

superior conj	6100 May 03 11:19	15°♄05'30	-1°32'45	morning set	6101 Apr 02 12:02	4°♄33'41	
minimum elong	6100 May 03 16:22	15°♄29'13	1°32'07	max. Earth dist.	6101 Apr 07 21:54	13°♄28'50	1.41021 AU
	6100 May 11 05:24	0°♄					
evening rise	6100 May 12 16:17	2°♄49'55		superior conj	6101 Apr 15 16:32	26°♄55'36	-1°56'05
asc. node	6100 May 14 02:08	5°♄34'07		minimum elong	6101 Apr 15 21:28	27°♄17'32	1°55'42
evening max el	6100 May 28 23:01	29°♄09'28	18°46'46		6101 Apr 17 09:44	0°♄	
	6100 May 29 20:48	0°♄		evening rise	6101 Apr 26 02:09	16°♄00'13	
retrograde	6100 Jun 06 04:35	3°♄12'46		asc. node	6101 Apr 30 23:11	25°♄00'14	
evening set	6100 Jun 08 06:32	2°♄58'10			6101 May 03 19:18	0°♄	
	6100 Jun 14 07:43	30°♄		evening max el	6101 May 12 06:17	11°♄48'20	18°16'41
inferior conj	6100 Jun 16 05:58	28°♄37'29	0°46'41	retrograde	6101 May 19 09:54	15°♄22'57	
minimum elong	6100 Jun 16 07:43	28°♄34'16	0°46'02	evening set	6101 May 21 19:05	14°♄59'59	
desc. node	6100 Jun 18 21:55	26°♄40'24		inferior conj	6101 May 28 23:11	10°♄19'08	2°07'01
min. Earth dist.	6100 Jun 19 11:16	26°♄16'49	0.57099 AU	minimum elong	6101 May 29 02:32	10°♄11'57	2°06'01
morning rise	6100 Jun 24 05:28	23°♄29'37		min. Earth dist.	6101 Jun 01 09:18	7°♄24'33	0.59164 AU
direct	6100 Jun 29 17:41	22°♄15'33		morning rise	6101 Jun 05 06:59	4°♄40'42	
morning max el	6100 Jul 14 02:08	29°♄45'31	26°18'34	desc. node	6101 Jun 05 18:58	4°♄24'27	
	6100 Jul 14 08:06	0°♄		direct	6101 Jun 11 13:47	2°♄53'02	
	6100 Aug 04 04:58	0°♄		morning max el	6101 Jun 25 23:00	10°♄42'22	27°23'32
asc. node	6100 Aug 10 01:28	11°♄31'20			6101 Jul 10 21:56	0°♄	
morning set	6100 Aug 11 17:16	14°♄59'43		morning set	6101 Jul 27 01:24	29°♄36'50	
					6101 Jul 27 05:49	0°♄	
superior conj	6100 Aug 18 15:49	0°♄07'52	1°18'43	asc. node	6101 Jul 27 22:29	1°♄27'52	
minimum elong	6100 Aug 18 13:33	29°♄55'24	1°18'23	max. Earth dist.	6101 Aug 02 15:53	13°♄54'48	1.31838 AU
	6100 Aug 18 14:23	0°♄					
max. Earth dist.	6100 Aug 19 04:59	1°♄20'37	1.32028 AU	superior conj	6101 Aug 03 03:36	14°♄59'36	1°00'34
evening rise	6100 Aug 25 13:58	15°♄08'13		minimum elong	6101 Aug 03 01:25	14°♄47'31	1°00'10
	6100 Sep 02 02:11	0°♄		evening rise	6101 Aug 09 22:32	29°♄49'59	
desc. node	6100 Sep 14 21:09	20°♄48'38			6101 Aug 10 00:26	0°♄	
	6100 Sep 22 04:42	0°♄			6101 Aug 26 09:03	0°♄	
evening max el	6100 Sep 25 16:28	3°♄35'10	27°06'19	desc. node	6101 Sep 01 18:12	8°♄46'24	
retrograde	6100 Oct 09 13:30	10°♄47'01		evening max el	6101 Sep 07 15:42	15°♄13'56	26°11'50
evening set	6100 Oct 16 14:49	8°♄34'08		retrograde	6101 Sep 21 14:40	22°♄20'53	
min. Earth dist.	6100 Oct 20 07:01	5°♄52'05	0.61079 AU	evening set	6101 Sep 28 02:29	20°♄38'37	
inferior conj	6100 Oct 23 10:02	3°♄10'27	-4°04'14	min. Earth dist.	6101 Oct 02 04:50	18°♄03'51	0.59001 AU
minimum elong	6100 Oct 23 16:36	2°♄56'14	4°02'24	inferior conj	6101 Oct 05 10:04	15°♄38'53	-4°55'38
	6100 Oct 27 10:30	30°♄		minimum elong	6101 Oct 05 15:44	15°♄28'12	4°54'40
morning rise	6100 Oct 30 20:30	28°♄18'23		morning rise	6101 Oct 13 07:13	11°♄09'12	
direct	6100 Nov 02 03:14	27°♄57'20		direct	6101 Oct 15 15:28	10°♄50'32	
asc. node	6100 Nov 06 00:45	29°♄01'32		morning max el	6101 Oct 23 15:59	14°♄43'48	18°27'23
	6100 Nov 07 12:39	0°♄		asc. node	6101 Oct 23 21:48	14°♄57'58	
morning max el	6100 Nov 09 07:10	1°♄32'10	17°58'12		6101 Nov 03 04:50	0°♄	
morning set	6100 Nov 25 00:19	26°♄17'55		morning set	6101 Nov 08 16:19	10°♄17'37	
	6100 Nov 27 00:36	0°♄					
superior conj	6100 Dec 05 05:25	14°♄46'19	0°46'34	superior conj	6101 Nov 17 16:00	27°♄22'52	1°14'14
minimum elong	6100 Dec 05 08:53	15°♄01'32	0°46'07	minimum elong	6101 Nov 17 19:37	27°♄39'38	1°13'51
desc. node	6100 Dec 11 20:25	26°♄05'53			6101 Nov 19 02:10	0°♄	
max. Earth dist.	6100 Dec 12 19:06	27°♄40'03	1.42362 AU	max. Earth dist.	6101 Nov 25 02:49	10°♄43'03	1.40367 AU
	6100 Dec 14 05:06	0°♄		desc. node	6101 Nov 28 17:26	16°♄51'01	
evening rise	6100 Dec 18 18:59	7°♄22'38		evening rise	6101 Nov 29 11:20	18°♄05'29	
	6101 Jan 02 17:36	0°♄			6101 Dec 06 21:20	0°♄	
evening max el	6101 Jan 20 11:49	22°♄53'52	22°19'17		6101 Dec 28 05:19	0°♄	
retrograde	6101 Jan 30 03:03	28°♄37'30		evening max el	6102 Jan 03 02:37	6°♄34'38	23°39'13
asc. node	6101 Feb 01 23:58	27°♄54'31		retrograde	6102 Jan 13 20:47	12°♄55'23	
evening set	6101 Feb 03 17:08	26°♄45'44		evening set	6102 Jan 18 23:09	10°♄48'30	
inferior conj	6101 Feb 09 01:29	20°♄24'08	2°10'34	asc. node	6102 Jan 19 21:01	9°♄58'18	
minimum elong	6101 Feb 08 23:11	20°♄32'09	2°09'51	inferior conj	6102 Jan 24 09:28	4°♄22'12	1°27'52
min. Earth dist.	6101 Feb 08 22:55	20°♄33'04	0.68198 AU	minimum elong	6102 Jan 24 07:38	4°♄28'32	1°27'12
morning rise	6101 Feb 14 05:04	14°♄13'58		min. Earth dist.	6102 Jan 23 19:40	5°♄09'23	0.68095 AU
direct	6101 Feb 18 22:08	12°♄15'15			6102 Jan 27 20:13	30°♄	
morning max el	6101 Feb 28 06:54	17°♄45'15	22°09'54	morning rise	6102 Jan 29 16:03	28°♄17'03	
desc. node	6101 Mar 09 19:43	29°♄13'08		direct	6102 Feb 02 19:15	26°♄41'00	
	6101 Mar 10 09:39	0°♄			6102 Feb 09 12:39	0°♄	
	6101 Mar 30 15:42	0°♄		morning max el	6102 Feb 11 00:20	1°♄24'04	20°49'00
				desc. node	6102 Feb 24 16:44	18°♄56'34	

	6102 Mar 04 04:51	0° H		desc. node	6103 Feb 11 13:45	9° \approx 03'04	
morning set	6102 Mar 12 19:04	13° H 09'33		morning set	6103 Feb 19 15:34	21° \approx 23'36	
max. Earth dist.	6102 Mar 21 02:08	26° H 20'59	1.42978 AU		6103 Feb 25 04:48	0° H	
	6102 Mar 23 07:48	0° Y		max. Earth dist.	6103 Mar 03 14:11	10° H 03'05	1.44449 AU
superior conj	6102 Mar 27 23:07	7° Y 43'08	-2°09'01	superior conj	6103 Mar 08 04:17	17° H 23'11	-2°05'45
minimum elong	6102 Mar 28 00:56	7° Y 50'51	2°08'59	minimum elong	6103 Mar 07 23:51	17° H 05'23	2°05'35
evening rise	6102 Apr 08 20:55	28° Y 26'15			6103 Mar 15 21:18	0° Y	
	6102 Apr 09 18:00	0° B		evening rise	6103 Mar 21 20:06	9° Y 58'48	
asc. node	6102 Apr 17 20:13	14° B 02'53			6103 Apr 02 23:18	0° B	
evening max el	6102 Apr 25 18:06	24° B 52'12	18°06'16	asc. node	6103 Apr 04 17:15	2° B 33'51	
retrograde	6102 May 02 07:27	28° B 14'19		evening max el	6103 Apr 09 07:06	8° B 11'20	18°14'44
evening set	6102 May 04 23:39	27° B 40'27		retrograde	6103 Apr 15 16:41	11° B 35'44	
inferior conj	6102 May 11 11:47	22° B 39'13	2°57'39	evening set	6103 Apr 18 15:26	10° B 49'33	
minimum elong	6102 May 11 14:33	22° B 32'23	2°57'05	inferior conj	6103 Apr 24 15:40	5° B 29'10	3°23'24
min. Earth dist.	6102 May 14 14:41	19° B 35'27	0.61386 AU	minimum elong	6103 Apr 24 16:58	5° B 25'32	3°23'16
morning rise	6102 May 18 03:27	16° B 40'49		min. Earth dist.	6103 Apr 27 05:02	2° B 39'05	0.63479 AU
desc. node	6102 May 23 15:59	14° B 26'27			6103 Apr 29 21:52	30° R Y	
direct	6102 May 24 21:02	14° B 22'05		morning rise	6103 Apr 30 17:24	29° Y 19'37	
morning max el	6102 Jun 08 02:12	22° B 21'00	27°52'35	direct	6103 May 07 13:05	26° Y 39'31	
	6102 Jun 14 19:47	0° II		desc. node	6103 May 10 13:01	27° Y 07'03	
	6102 Jul 04 01:10	0° E			6103 May 16 01:37	0° B	
morning set	6102 Jul 11 05:00	13° E 58'10		morning max el	6103 May 21 10:12	4° B 39'40	27°43'56
asc. node	6102 Jul 14 19:29	21° E 32'03			6103 Jun 09 11:54	0° II	
max. Earth dist.	6102 Jul 17 01:10	26° E 22'02	1.32085 AU	morning set	6103 Jun 25 01:45	27° II 55'52	
					6103 Jun 26 02:28	0° E	
superior conj	6102 Jul 18 14:04	29° E 43'46	0°38'17	max. Earth dist.	6103 Jun 30 04:49	8° E 29'02	1.32774 AU
minimum elong	6102 Jul 18 12:27	29° E 34'49	0°37'56	asc. node	6103 Jul 01 16:30	11° E 38'46	
	6102 Jul 18 17:02	0° O					
evening rise	6102 Jul 25 09:41	14° O 36'35		superior conj	6103 Jul 02 21:19	14° E 13'31	0°12'24
	6102 Aug 02 01:18	0° M		minimum elong	6103 Jul 02 20:44	14° E 10'17	0°12'14
desc. node	6102 Aug 19 15:12	25° M 25'28		behind sun begin	6103 Jul 02 17:17	13° E 51'46	
evening max el	6102 Aug 20 07:29	26° M 05'14	24°49'29	behind sun end	6103 Jul 03 00:10	14° E 28'50	
	6102 Aug 25 02:58	0° A		evening rise	6103 Jul 09 21:25	29° E 20'46	
retrograde	6102 Sep 03 04:37	3° A 05'04			6103 Jul 10 04:48	0° O	
evening set	6102 Sep 08 13:54	1° A 59'45			6103 Jul 27 04:49	0° M	
	6102 Sep 12 12:56	30° R M		evening max el	6103 Aug 01 19:31	6° M 25'59	23°12'30
min. Earth dist.	6102 Sep 13 18:47	29° M 14'01	0.57059 AU	desc. node	6103 Aug 06 12:13	10° M 15'42	
inferior conj	6102 Sep 16 14:24	27° M 23'44	-5°22'23	retrograde	6103 Aug 15 06:06	13° M 09'35	
minimum elong	6102 Sep 16 15:40	27° M 21'40	5°22'20	evening set	6103 Aug 19 03:23	12° M 36'33	
morning rise	6102 Sep 24 19:42	23° M 16'15		min. Earth dist.	6103 Aug 26 04:35	9° M 23'11	0.55551 AU
direct	6102 Sep 27 09:39	22° M 57'26		inferior conj	6103 Aug 27 22:57	8° M 21'24	-5°07'09
morning max el	6102 Oct 06 15:27	27° M 19'00	19°18'05	minimum elong	6103 Aug 27 17:25	8° M 29'29	5°06'28
	6102 Oct 09 03:45	0° A		morning rise	6103 Sep 05 09:46	4° M 30'01	
asc. node	6102 Oct 10 18:48	2° A 03'14		direct	6103 Sep 08 08:40	4° M 09'08	
morning set	6102 Oct 23 17:01	24° A 41'19		morning max el	6103 Sep 19 03:01	9° M 09'49	20°30'55
	6102 Oct 26 08:43	0° M		asc. node	6103 Sep 27 15:49	20° M 02'36	
					6103 Oct 03 06:59	0° A	
superior conj	6102 Oct 31 19:50	10° M 49'17	1°32'03	morning set	6103 Oct 07 23:27	9° A 20'44	
minimum elong	6102 Oct 31 22:21	11° M 01'32	1°31'52				
max. Earth dist.	6102 Nov 07 08:07	23° M 06'26	1.38241 AU	superior conj	6103 Oct 15 12:10	24° A 52'05	1°41'05
evening rise	6102 Nov 11 02:16	29° M 49'05		minimum elong	6103 Oct 15 13:12	24° A 57'21	1°41'04
	6102 Nov 11 04:46	0° X			6103 Oct 18 01:24	0° M	
desc. node	6102 Nov 15 14:27	7° X 30'30		max. Earth dist.	6103 Oct 20 15:26	5° M 03'59	1.36224 AU
	6102 Nov 30 05:18	0° Z		evening rise	6103 Oct 24 13:22	12° M 27'19	
evening max el	6102 Dec 16 15:42	20° Z 19'00	24°56'56	desc. node	6103 Nov 02 11:27	27° M 59'57	
retrograde	6102 Dec 28 10:18	27° Z 08'58			6103 Nov 03 16:53	0° X	
evening set	6103 Jan 03 01:58	24° Z 47'56			6103 Nov 25 07:26	0° Z	
asc. node	6103 Jan 06 18:03	20° Z 49'32		evening max el	6103 Nov 29 04:26	4° Z 03'41	26°05'18
min. Earth dist.	6103 Jan 07 14:39	19° Z 43'09	0.67624 AU	retrograde	6103 Dec 11 19:03	11° Z 12'56	
inferior conj	6103 Jan 08 15:31	18° Z 21'24	0°38'03	evening set	6103 Dec 17 23:55	8° Z 40'30	
minimum elong	6103 Jan 08 14:36	18° Z 24'25	0°37'42	min. Earth dist.	6103 Dec 22 05:37	4° Z 10'43	0.66786 AU
morning rise	6103 Jan 14 03:26	12° Z 23'12		inferior conj	6103 Dec 23 17:48	2° Z 18'30	-0°18'04
direct	6103 Jan 17 17:55	11° Z 08'30		minimum elong	6103 Dec 23 18:16	2° Z 17'01	0°17'49
morning max el	6103 Jan 25 01:46	15° Z 14'56	19°40'50	asc. node	6103 Dec 24 15:04	1° Z 13'00	
	6103 Feb 05 11:51	0° \approx			6103 Dec 25 15:46	30° R X	
greatest brilliancy	6103 Feb 07 00:34	2° \approx 14'40	-0.7m	morning rise	6103 Dec 29 13:11	26° X 29'35	

direct	6104 Jan 01 16:35	25°♌33'19		morning max el	6104 Dec 22 01:01	13°♌18'36	18°11'28
morning max el	6104 Jan 08 10:43	29°♌15'21	18°48'00		6105 Jan 02 23:28	0°♌	
	6104 Jan 09 04:05	0°♌		morning set	6105 Jan 09 18:14	11°♌00'16	
desc. node	6104 Jan 29 10:46	29°♌26'26		desc. node	6105 Jan 15 07:45	20°♌01'02	
	6104 Jan 29 19:19	0°♌			6105 Jan 21 13:43	0°♌	
morning set	6104 Jan 30 02:39	0°♌28'42					
max. Earth dist.	6104 Feb 14 07:30	24°♌17'29	1.45258 AU	superior conj	6105 Jan 24 17:23	4°♌58'55	-1°02'47
				minimum elong	6105 Jan 24 09:52	4°♌29'16	1°01'49
superior conj	6104 Feb 15 13:01	26°♌13'22	-1°42'37	max. Earth dist.	6105 Jan 27 02:42	8°♌44'08	1.45329 AU
minimum elong	6104 Feb 15 03:43	25°♌36'51	1°41'46	evening rise	6105 Feb 09 22:31	0°♌18'20	
	6104 Feb 17 22:38	0°♌			6105 Feb 09 17:49	0°♌	
evening rise	6104 Mar 01 20:27	20°♌34'33		greatest brilliancy	6105 Feb 22 01:40	19°♌02'38	-0.7m
	6104 Mar 07 16:37	0°♌			6105 Mar 01 16:46	0°♌	
greatest brilliancy	6104 Mar 08 06:53	0°♌57'23	-0.9m	evening max el	6105 Mar 06 02:27	5°♌13'05	19°25'15
asc. node	6104 Mar 21 14:17	20°♌24'02		asc. node	6105 Mar 08 11:20	7°♌21'01	
evening max el	6104 Mar 22 18:36	21°♌39'56	18°41'25	retrograde	6105 Mar 13 06:21	9°♌18'42	
retrograde	6104 Mar 29 09:28	25°♌19'31		evening set	6105 Mar 16 19:10	8°♌05'38	
evening set	6104 Apr 01 14:51	24°♌20'15		inferior conj	6105 Mar 22 06:11	2°♌12'29	3°21'31
inferior conj	6104 Apr 07 06:56	18°♌42'28	3°29'52	minimum elong	6105 Mar 22 04:49	2°♌16'56	3°21'22
minimum elong	6104 Apr 07 06:45	18°♌43'03	3°29'51	min. Earth dist.	6105 Mar 23 13:00	0°♌31'50	0.66633 AU
min. Earth dist.	6104 Apr 09 04:52	16°♌22'24	0.65260 AU		6105 Mar 23 22:54	30°♌	
morning rise	6104 Apr 12 22:04	12°♌27'51		morning rise	6105 Mar 27 14:09	25°♌56'38	
direct	6104 Apr 19 12:45	9°♌39'00		direct	6105 Apr 02 18:54	23°♌11'26	
desc. node	6104 Apr 26 10:03	12°♌04'13		desc. node	6105 Apr 13 07:05	28°♌44'22	
morning max el	6104 May 02 20:25	17°♌29'49	27°01'35		6105 Apr 14 14:53	0°♌	
	6104 May 13 07:02	0°♌		morning max el	6105 Apr 15 06:17	0°♌38'27	25°53'33
	6104 Jun 01 09:30	0°♌			6105 May 07 06:22	0°♌	
morning set	6104 Jun 07 12:45	11°♌21'55		morning set	6105 May 21 10:07	24°♌05'33	
max. Earth dist.	6104 Jun 11 23:07	20°♌07'06	1.33930 AU		6105 May 24 13:48	0°♌	
				max. Earth dist.	6105 May 25 05:57	1°♌17'17	1.35550 AU
superior conj	6104 Jun 15 23:19	28°♌23'06	-0°16'19				
minimum elong	6104 Jun 16 00:11	28°♌27'40	0°16'11	superior conj	6105 May 30 17:32	12°♌06'03	-0°46'37
	6104 Jun 16 17:46	0°♌		minimum elong	6105 May 30 20:10	12°♌19'24	0°46'09
asc. node	6104 Jun 17 13:31	1°♌44'13		asc. node	6105 Jun 04 10:34	21°♌44'46	
evening rise	6104 Jun 23 07:53	13°♌56'51		evening rise	6105 Jun 07 15:03	28°♌18'55	
	6104 Jul 01 11:45	0°♌			6105 Jun 08 10:50	0°♌	
evening max el	6104 Jul 13 12:13	16°♌50'23	21°37'12	evening max el	6105 Jun 25 16:29	27°♌48'31	20°15'41
desc. node	6104 Jul 23 09:15	22°♌43'37			6105 Jun 28 04:58	0°♌	
retrograde	6104 Jul 25 21:28	22°♌58'34		retrograde	6105 Jul 06 10:47	3°♌05'20	
evening set	6104 Jul 28 10:42	22°♌43'47		evening set	6105 Jul 08 09:15	2°♌55'50	
inferior conj	6104 Aug 06 17:57	18°♌43'22	-3°59'05	desc. node	6105 Jul 10 06:17	2°♌29'33	
minimum elong	6104 Aug 06 08:52	18°♌56'05	3°56'38		6105 Jul 15 17:41	30°♌	
min. Earth dist.	6104 Aug 06 14:11	18°♌48'38	0.54794 AU	inferior conj	6105 Jul 17 12:33	28°♌57'49	-2°10'09
morning rise	6104 Aug 15 08:12	14°♌51'53		minimum elong	6105 Jul 17 06:30	29°♌06'43	2°07'58
direct	6104 Aug 18 18:34	14°♌26'16		min. Earth dist.	6105 Jul 19 01:47	28°♌03'01	0.54991 AU
morning max el	6104 Aug 31 02:42	20°♌14'52	22°03'15	morning rise	6105 Jul 26 02:29	24°♌45'30	
	6104 Sep 08 04:50	0°♌		direct	6105 Jul 30 05:15	24°♌08'48	
asc. node	6104 Sep 13 12:50	8°♌43'20			6105 Aug 11 22:22	0°♌	
morning set	6104 Sep 21 09:22	24°♌09'10		morning max el	6105 Aug 12 18:04	0°♌45'01	23°46'56
	6104 Sep 24 03:45	0°♌		asc. node	6105 Aug 31 09:52	27°♌55'06	
					6105 Sep 01 11:27	0°♌	
superior conj	6104 Sep 28 13:12	9°♌19'55	1°42'35	morning set	6105 Sep 05 20:57	9°♌01'24	
minimum elong	6104 Sep 28 12:51	9°♌18'03	1°42'35				
max. Earth dist.	6104 Oct 02 05:26	16°♌57'42	1.34511 AU	superior conj	6105 Sep 12 20:05	24°♌03'49	1°37'38
evening rise	6104 Oct 06 16:35	25°♌50'01		minimum elong	6105 Sep 12 18:39	23°♌56'06	1°37'33
	6104 Oct 08 21:07	0°♌		max. Earth dist.	6105 Sep 15 04:10	29°♌04'58	1.33207 AU
desc. node	6104 Oct 19 08:28	18°♌13'42			6105 Sep 15 14:32	0°♌	
	6104 Oct 27 02:55	0°♌		evening rise	6105 Sep 20 08:02	9°♌46'57	
evening max el	6104 Nov 10 17:13	17°♌41'20	26°56'57		6105 Oct 01 06:03	0°♌	
retrograde	6104 Nov 23 22:21	24°♌59'32		desc. node	6105 Oct 06 05:30	8°♌04'47	
evening set	6104 Nov 30 14:57	22°♌20'55			6105 Oct 23 03:43	0°♌	
min. Earth dist.	6104 Dec 04 14:18	18°♌26'07	0.65594 AU	evening max el	6105 Oct 24 05:18	1°♌02'16	27°24'46
inferior conj	6104 Dec 06 14:10	16°♌08'41	-1°19'25	retrograde	6105 Nov 06 19:35	8°♌20'40	
minimum elong	6104 Dec 06 16:27	16°♌02'06	1°18'24	evening set	6105 Nov 13 20:33	5°♌43'53	
asc. node	6104 Dec 10 12:07	12°♌04'52		min. Earth dist.	6105 Nov 17 14:40	2°♌22'13	0.64066 AU
morning rise	6104 Dec 12 19:00	10°♌31'30			6105 Nov 19 21:14	30°♌	
direct	6104 Dec 15 13:16	9°♌49'57		inferior conj	6105 Nov 20 02:15	29°♌46'51	-2°24'07

minimum elong	6105 Nov 20 06:33	29° \mathbb{M} 35'37	2°22'25	inferior conj	6106 Nov 03 03:02	13° \mathbb{M} 05'07	-3°28'59
morning rise	6105 Nov 26 18:03	24° \mathbb{M} 24'21		minimum elong	6106 Nov 03 09:05	12° \mathbb{M} 51'02	3°27'00
asc. node	6105 Nov 27 09:10	24° \mathbb{M} 10'47		morning rise	6106 Nov 10 06:40	8° \mathbb{M} 00'42	
direct	6105 Nov 29 05:36	23° \mathbb{M} 53'29		direct	6106 Nov 12 14:19	7° \mathbb{M} 36'53	
morning max el	6105 Dec 05 17:53	27° \mathbb{M} 17'59	17°51'59	asc. node	6106 Nov 14 06:12	7° \mathbb{M} 49'30	
	6105 Dec 08 03:28	0° \mathbb{A}		morning max el	6106 Nov 19 10:14	11° \mathbb{M} 05'32	17°50'30
morning set	6105 Dec 22 13:58	22° \mathbb{A} 54'23			6106 Dec 02 00:50	0° \mathbb{A}	
	6105 Dec 26 18:14	0° \mathbb{B}		morning set	6106 Dec 05 07:36	5° \mathbb{A} 51'27	
desc. node	6106 Jan 02 04:46	10° \mathbb{B} 43'10					
				superior conj	6106 Dec 16 10:01	25° \mathbb{A} 20'30	0°26'01
superior conj	6106 Jan 04 12:58	14° \mathbb{B} 32'22	-0°16'31	minimum elong	6106 Dec 16 12:22	25° \mathbb{A} 30'31	0°25'43
minimum elong	6106 Jan 04 11:05	14° \mathbb{B} 24'43	0°16'12		6106 Dec 19 04:21	0° \mathbb{B}	
max. Earth dist.	6106 Jan 09 21:13	23° \mathbb{B} 06'45	1.44673 AU	desc. node	6106 Dec 20 01:48	1° \mathbb{B} 29'18	
	6106 Jan 14 06:14	0° \mathbb{A}		max. Earth dist.	6106 Dec 23 13:03	7° \mathbb{B} 11'02	1.43361 AU
evening rise	6106 Jan 20 10:34	9° \mathbb{A} 34'14		evening rise	6106 Dec 30 23:35	19° \mathbb{B} 00'22	
	6106 Feb 02 23:39	0° \mathbb{H}			6107 Jan 07 04:03	0° \mathbb{A}	
evening max el	6106 Feb 17 05:17	18° \mathbb{H} 48'12	20°24'12		6107 Jan 28 21:01	0° \mathbb{H}	
asc. node	6106 Feb 23 08:25	23° \mathbb{H} 10'22		evening max el	6107 Jan 31 02:42	2° \mathbb{H} 25'02	21°34'57
retrograde	6106 Feb 25 04:38	23° \mathbb{H} 28'18		retrograde	6107 Feb 09 02:21	7° \mathbb{H} 44'39	
evening set	6106 Mar 01 02:10	22° \mathbb{H} 00'37		asc. node	6107 Feb 10 05:27	7° \mathbb{H} 37'54	
inferior conj	6106 Mar 06 10:37	15° \mathbb{H} 54'16	3°01'26	evening set	6107 Feb 13 10:03	6° \mathbb{H} 01'40	
minimum elong	6106 Mar 06 08:31	16° \mathbb{H} 01'23	3°01'01	inferior conj	6107 Feb 18 17:57	29° \mathbb{A} 44'48	2°31'38
min. Earth dist.	6106 Mar 07 03:29	14° \mathbb{H} 56'45	0.67574 AU	minimum elong	6107 Feb 18 15:36	29° \mathbb{A} 53'00	2°30'59
morning rise	6106 Mar 11 14:39	9° \mathbb{H} 39'34			6107 Feb 18 13:34	30° \mathbb{R} \mathbb{A}	
direct	6106 Mar 17 06:28	7° \mathbb{H} 07'58		min. Earth dist.	6107 Feb 18 22:09	29° \mathbb{A} 30'14	0.68090 AU
morning max el	6106 Mar 28 14:58	13° \mathbb{H} 55'38	24°29'41	morning rise	6107 Feb 23 20:58	23° \mathbb{A} 32'47	
desc. node	6106 Mar 31 04:06	16° \mathbb{H} 38'53		direct	6107 Feb 28 22:26	21° \mathbb{A} 21'12	
	6106 Apr 10 16:21	0° \mathbb{Y}		morning max el	6107 Mar 11 00:27	27° \mathbb{A} 19'37	23°00'16
	6106 Apr 30 02:54	0° \mathbb{B}			6107 Mar 13 12:28	0° \mathbb{H}	
morning set	6106 May 03 12:37	5° \mathbb{B} 51'57		desc. node	6107 Mar 18 01:07	5° \mathbb{H} 26'57	
max. Earth dist.	6106 May 07 03:41	12° \mathbb{B} 19'58	1.37565 AU		6107 Apr 04 07:36	0° \mathbb{Y}	
				morning set	6107 Apr 14 14:26	16° \mathbb{Y} 26'09	
superior conj	6106 May 14 00:44	25° \mathbb{B} 13'29	-1°16'39	max. Earth dist.	6107 Apr 18 23:35	23° \mathbb{Y} 51'10	1.39776 AU
minimum elong	6106 May 14 05:05	25° \mathbb{B} 34'31	1°16'00		6107 Apr 22 11:56	0° \mathbb{B}	
	6106 May 16 11:32	0° \mathbb{H}					
asc. node	6106 May 22 07:37	11° \mathbb{H} 35'47		superior conj	6107 Apr 26 16:51	7° \mathbb{B} 35'29	-1°43'34
evening rise	6106 May 22 16:27	12° \mathbb{H} 19'39		minimum elong	6107 Apr 26 22:07	7° \mathbb{B} 59'40	1°43'01
	6106 Jun 01 05:01	0° \mathbb{B}		evening rise	6107 May 06 09:03	25° \mathbb{B} 51'22	
evening max el	6106 Jun 08 09:23	9° \mathbb{B} 29'26	19°13'20		6107 May 08 13:16	0° \mathbb{H}	
retrograde	6106 Jun 17 10:38	13° \mathbb{B} 55'47		asc. node	6107 May 09 04:41	1° \mathbb{H} 12'46	
evening set	6106 Jun 19 09:32	13° \mathbb{B} 44'16		evening max el	6107 May 22 12:25	21° \mathbb{H} 49'35	18°31'29
desc. node	6106 Jun 27 03:21	10° \mathbb{B} 02'43		retrograde	6107 May 30 05:17	25° \mathbb{H} 38'33	
inferior conj	6106 Jun 27 20:28	9° \mathbb{B} 34'15	-0°12'49	evening set	6107 Jun 01 10:24	25° \mathbb{H} 20'39	
minimum elong	6106 Jun 27 19:55	9° \mathbb{B} 35'11	0°12'38	inferior conj	6107 Jun 09 01:16	20° \mathbb{H} 51'13	1°24'33
transit middle	6106 Jun 27 19:55	9° \mathbb{B} 35'11	0°12'38	minimum elong	6107 Jun 09 04:03	20° \mathbb{H} 45'46	1°23'35
transit begin	6106 Jun 27 17:33	9° \mathbb{B} 39'07		min. Earth dist.	6107 Jun 12 10:18	18° \mathbb{H} 13'40	0.57941 AU
transit end	6106 Jun 27 22:16	9° \mathbb{B} 31'14		desc. node	6107 Jun 14 00:22	17° \mathbb{H} 06'09	
min. Earth dist.	6106 Jun 30 15:58	7° \mathbb{B} 41'58	0.56121 AU	morning rise	6107 Jun 16 18:26	15° \mathbb{H} 29'28	
morning rise	6106 Jul 06 03:17	4° \mathbb{B} 47'44		direct	6107 Jun 22 15:22	14° \mathbb{H} 01'39	
direct	6106 Jul 11 03:18	3° \mathbb{B} 50'05		morning max el	6107 Jul 07 00:37	21° \mathbb{H} 40'09	26°50'15
morning max el	6106 Jul 25 07:20	11° \mathbb{B} 03'26	25°28'03		6107 Jul 14 07:40	0° \mathbb{B}	
	6106 Aug 08 18:43	0° \mathbb{Q}			6107 Aug 01 13:46	0° \mathbb{Q}	
asc. node	6106 Aug 18 06:54	17° \mathbb{Q} 29'02		asc. node	6107 Aug 05 03:56	7° \mathbb{Q} 18'55	
morning set	6106 Aug 21 08:30	23° \mathbb{Q} 51'27		morning set	6107 Aug 05 18:22	8° \mathbb{Q} 34'42	
	6106 Aug 24 04:54	0° \mathbb{M}					
				superior conj	6107 Aug 12 18:06	23° \mathbb{Q} 48'13	1°11'33
superior conj	6106 Aug 28 06:22	8° \mathbb{M} 55'16	1°27'05	minimum elong	6107 Aug 12 15:49	23° \mathbb{Q} 35'34	1°11'11
minimum elong	6106 Aug 28 04:17	8° \mathbb{M} 43'49	1°26'50	max. Earth dist.	6107 Aug 12 20:39	24° \mathbb{Q} 02'20	1.31901 AU
max. Earth dist.	6106 Aug 29 10:17	11° \mathbb{M} 28'26	1.32337 AU		6107 Aug 15 13:28	0° \mathbb{M}	
evening rise	6106 Sep 04 08:14	24° \mathbb{M} 07'18		evening rise	6107 Aug 19 14:25	8° \mathbb{M} 43'03	
	6106 Sep 07 05:48	0° \mathbb{L}			6107 Aug 30 15:01	0° \mathbb{L}	
desc. node	6106 Sep 23 02:33	27° \mathbb{L} 22'53		desc. node	6107 Sep 09 23:35	15° \mathbb{L} 54'47	
	6106 Sep 24 22:19	0° \mathbb{M}		evening max el	6107 Sep 18 18:04	25° \mathbb{L} 59'33	26°47'02
evening max el	6106 Oct 06 14:34	13° \mathbb{M} 52'45	27°22'40		6107 Sep 23 16:45	0° \mathbb{M}	
retrograde	6106 Oct 20 09:42	21° \mathbb{M} 06'31		retrograde	6107 Oct 02 15:43	3° \mathbb{M} 08'27	
evening set	6106 Oct 27 13:21	18° \mathbb{M} 41'50		evening set	6107 Oct 09 13:02	1° \mathbb{M} 07'20	
min. Earth dist.	6106 Oct 31 04:49	15° \mathbb{M} 48'06	0.62235 AU		6107 Oct 11 07:38	30° \mathbb{R} \mathbb{L}	

































































































































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inferior conj	6107 Oct 16 13:04	25°♄54'08	-4°28'05	inferior conj	6108 Sep 27 04:58	8°♄04'41	-5°11'02
minimum elong	6107 Oct 16 19:37	25°♄40'47	4°26'32	minimum elong	6108 Sep 27 09:14	7°♄57'07	5°10'32
morning rise	6107 Oct 24 04:18	21°♄11'18		morning rise	6108 Oct 05 06:01	3°♄45'09	
direct	6107 Oct 26 11:22	20°♄51'27		direct	6108 Oct 07 16:13	3°♄26'44	
asc. node	6107 Nov 01 03:14	22°♄58'54		morning max el	6108 Oct 16 04:04	7°♄30'21	18°46'22
morning max el	6107 Nov 02 22:45	24°♄32'39	18°08'08	asc. node	6108 Oct 18 00:15	9°♄26'34	
	6107 Nov 07 10:28	0°♄			6108 Oct 30 15:00	0°♄	
morning set	6107 Nov 18 16:51	19°♄32'13		morning set	6108 Nov 01 12:58	3°♄43'20	
	6107 Nov 24 07:18	0°♄					
superior conj	6107 Nov 28 08:14	7°♄21'22	0°59'34	superior conj	6108 Nov 10 02:50	20°♄21'29	1°22'57
minimum elong	6107 Nov 28 12:00	7°♄38'14	0°59'06	minimum elong	6108 Nov 10 06:05	20°♄36'50	1°22'38
max. Earth dist.	6107 Dec 06 00:05	20°♄40'21	1.41546 AU		6108 Nov 15 08:08	0°♄	
desc. node	6107 Dec 06 22:48	22°♄15'37		max. Earth dist.	6108 Nov 17 06:13	3°♄25'26	1.39456 AU
evening rise	6107 Dec 11 03:33	29°♄09'11		evening rise	6108 Nov 21 05:34	10°♄18'00	
	6107 Dec 11 16:10	0°♄		desc. node	6108 Nov 22 19:49	12°♄58'55	
	6107 Dec 31 18:07	0°♄			6108 Dec 03 13:20	0°♄	
evening max el	6108 Jan 13 19:20	16°♄03'28	22°53'05	evening max el	6108 Dec 26 09:00	29°♄45'24	24°12'52
retrograde	6108 Jan 23 21:54	22°♄03'18			6108 Dec 26 14:55	0°♄	
asc. node	6108 Jan 28 02:29	20°♄33'34		retrograde	6109 Jan 06 14:06	6°♄20'25	
evening set	6108 Jan 28 17:11	20°♄04'47		evening set	6109 Jan 11 22:04	4°♄07'04	
inferior conj	6108 Feb 03 02:12	13°♄40'41	1°53'21	asc. node	6109 Jan 13 23:30	2°♄03'12	
minimum elong	6108 Feb 03 00:02	13°♄48'12	1°52'38		6109 Jan 15 15:37	30°♄	
min. Earth dist.	6108 Feb 02 18:43	14°♄06'35	0.68204 AU	min. Earth dist.	6109 Jan 16 15:01	28°♄42'31	0.67938 AU
morning rise	6108 Feb 08 06:48	7°♄32'43		inferior conj	6109 Jan 17 09:36	27°♄39'50	1°07'34
direct	6108 Feb 12 17:51	5°♄43'50		minimum elong	6109 Jan 17 08:05	27°♄44'56	1°07'01
morning max el	6108 Feb 21 14:11	10°♄52'33	21°34'14	morning rise	6109 Jan 22 18:11	21°♄37'27	
desc. node	6108 Mar 03 22:07	24°♄53'06		direct	6109 Jan 26 15:41	20°♄10'59	
	6108 Mar 07 13:06	0°♄		morning max el	6109 Feb 03 11:04	24°♄37'19	20°18'16
morning set	6108 Mar 24 11:52	25°♄40'24			6109 Feb 08 04:01	0°♄	
	6108 Mar 27 04:43	0°♄		desc. node	6109 Feb 18 19:08	14°♄47'14	
max. Earth dist.	6108 Mar 30 23:59	6°♄12'43	1.41904 AU		6109 Feb 28 21:35	0°♄	
				morning set	6109 Mar 03 11:36	3°♄58'47	
superior conj	6108 Apr 07 12:55	18°♄59'34	-2°03'10	max. Earth dist.	6109 Mar 13 07:24	19°♄26'40	1.43677 AU
minimum elong	6108 Apr 07 16:58	19°♄17'13	2°02'58				
	6108 Apr 13 17:53	0°♄		superior conj	6109 Mar 19 08:42	29°♄17'52	-2°09'55
evening rise	6108 Apr 18 13:01	8°♄43'57		minimum elong	6109 Mar 19 08:08	29°♄15'31	2°09'56
asc. node	6108 Apr 25 01:42	20°♄29'31			6109 Mar 19 18:54	0°♄	
	6108 May 01 00:51	0°♄		evening rise	6109 Apr 01 00:02	20°♄48'18	
evening max el	6108 May 04 21:56	4°♄39'19	18°09'48		6109 Apr 06 07:09	0°♄	
retrograde	6108 May 11 18:13	8°♄07'04		asc. node	6109 Apr 11 22:43	9°♄19'43	
evening set	6108 May 14 06:22	7°♄39'45		evening max el	6109 Apr 18 10:34	17°♄50'17	18°07'32
inferior conj	6108 May 21 03:11	2°♄49'49	2°31'53	retrograde	6109 Apr 24 21:17	21°♄11'55	
minimum elong	6108 May 21 06:27	2°♄42'19	2°31'03	evening set	6109 Apr 27 16:11	20°♄33'07	
	6108 May 24 05:50	30°♄		inferior conj	6109 May 03 22:48	15°♄23'42	3°11'13
min. Earth dist.	6108 May 24 11:10	29°♄48'23	0.60108 AU	minimum elong	6109 May 04 00:59	15°♄17'59	3°10'53
morning rise	6108 May 28 03:56	27°♄01'22		min. Earth dist.	6109 May 06 20:30	12°♄22'54	0.62306 AU
desc. node	6108 May 30 21:24	25°♄40'55		morning rise	6109 May 10 08:08	9°♄19'17	
direct	6108 Jun 03 16:10	24°♄59'58		direct	6109 May 17 03:32	6°♄49'47	
	6108 Jun 14 19:38	0°♄		desc. node	6109 May 17 18:25	6°♄50'57	
morning max el	6108 Jun 18 00:28	2°♄54'28	27°40'39	morning max el	6109 May 31 06:08	14°♄51'18	27°53'20
	6108 Jul 07 19:51	0°♄			6109 Jun 12 13:00	0°♄	
morning set	6108 Jul 20 00:49	23°♄05'43			6109 Jun 30 09:24	0°♄	
asc. node	6108 Jul 22 00:58	27°♄19'09		morning set	6109 Jul 04 01:49	7°♄17'54	
	6108 Jul 23 06:59	0°♄		asc. node	6109 Jul 08 21:58	17°♄24'48	
max. Earth dist.	6108 Jul 26 07:25	6°♄35'12	1.31887 AU	max. Earth dist.	6109 Jul 09 14:39	18°♄54'24	1.32314 AU
superior conj	6108 Jul 27 05:31	8°♄36'58	0°51'35	superior conj	6109 Jul 11 14:51	23°♄15'34	0°27'42
minimum elong	6108 Jul 27 03:30	8°♄25'52	0°51'11	minimum elong	6109 Jul 11 13:36	23°♄08'45	0°27'24
evening rise	6108 Aug 03 00:18	23°♄27'10			6109 Jul 14 16:50	0°♄	
	6108 Aug 06 03:32	0°♄		evening rise	6109 Jul 18 11:53	8°♄13'03	
	6108 Aug 24 01:54	0°♄			6109 Jul 29 18:13	0°♄	
desc. node	6108 Aug 26 20:36	3°♄22'12		evening max el	6109 Aug 12 03:02	17°♄50'49	24°09'08
evening max el	6108 Aug 30 13:46	7°♄16'19	25°39'32	desc. node	6109 Aug 13 17:38	19°♄19'03	
retrograde	6108 Sep 13 12:26	14°♄21'19		retrograde	6109 Aug 25 21:41	24°♄46'24	
evening set	6108 Sep 19 14:47	12°♄54'07		evening set	6109 Aug 30 15:58	23°♄56'13	
				min. Earth dist.	6109 Sep 05 13:47	21°♄00'17	0.56333 AU

inferior conj	6109 Sep 08 00:38	19° \mathbb{M} 29'08	-5°22'06	evening max el	6110 Jul 24 16:14	28° \mathcal{O} 09'47	22°30'59
minimum elong	6109 Sep 07 23:04	19° \mathbb{M} 31'34	5°22'03		6110 Jul 26 16:56	0° \mathbb{M}	
morning rise	6109 Sep 16 08:33	15° \mathbb{M} 29'50		desc. node	6110 Jul 31 14:39	3° \mathbb{M} 13'03	
direct	6109 Sep 19 01:44	15° \mathbb{M} 10'32		retrograde	6110 Aug 06 18:08	4° \mathbb{M} 40'15	
morning max el	6109 Sep 28 22:48	19° \mathbb{M} 47'52	19°46'28	evening set	6110 Aug 10 00:06	4° \mathbb{M} 17'05	
asc. node	6109 Oct 04 21:17	26° \mathbb{M} 56'29		min. Earth dist.	6110 Aug 17 23:26	0° \mathbb{M} 47'44	0.55123 AU
	6109 Oct 06 21:14	0° \mathcal{A}		inferior conj	6110 Aug 19 02:17	0° \mathbb{M} 09'39	-4°44'44
morning set	6109 Oct 16 16:24	18° \mathcal{A} 14'13		minimum elong	6110 Aug 18 18:29	0° \mathbb{M} 20'45	4°43'15
	6109 Oct 22 11:34	0° \mathbb{M}			6110 Aug 19 09:06	30° \mathcal{R} \mathcal{O}	
				morning rise	6110 Aug 27 14:45	26° \mathcal{O} 20'15	
superior conj	6109 Oct 24 12:31	4° \mathbb{M} 04'46	1°36'52	direct	6110 Aug 30 18:13	25° \mathcal{O} 57'41	
minimum elong	6109 Oct 24 14:25	4° \mathbb{M} 14'12	1°36'46		6110 Sep 09 16:59	0° \mathbb{M}	
max. Earth dist.	6109 Oct 30 11:15	15° \mathbb{M} 33'08	1.37350 AU	morning max el	6110 Sep 11 05:05	1° \mathbb{M} 18'35	21°08'02
evening rise	6109 Nov 03 05:32	22° \mathbb{M} 25'56		asc. node	6110 Sep 21 18:19	15° \mathbb{M} 14'49	
	6109 Nov 07 13:42	0° \mathcal{X}			6110 Sep 29 13:59	0° \mathcal{A}	
desc. node	6109 Nov 09 16:50	3° \mathcal{X} 34'34		morning set	6110 Oct 01 00:35	2° \mathcal{A} 57'54	
	6109 Nov 27 09:27	0° \mathcal{B}					
evening max el	6109 Dec 08 21:46	13° \mathcal{B} 30'07	25°27'37	superior conj	6110 Oct 08 08:58	18° \mathcal{A} 18'58	1°42'33
retrograde	6109 Dec 21 01:52	20° \mathcal{B} 30'15		minimum elong	6110 Oct 08 09:23	18° \mathcal{A} 21'07	1°42'34
evening set	6109 Dec 26 23:03	18° \mathcal{B} 04'01		max. Earth dist.	6110 Oct 12 20:59	27° \mathcal{A} 26'03	1.35455 AU
min. Earth dist.	6109 Dec 31 08:41	13° \mathcal{B} 13'48	0.67306 AU		6110 Oct 14 04:19	0° \mathbb{M}	
asc. node	6109 Dec 31 20:32	12° \mathcal{B} 35'50		evening rise	6110 Oct 17 00:03	5° \mathbb{M} 24'25	
inferior conj	6110 Jan 01 14:18	11° \mathcal{B} 38'32	0°14'59	desc. node	6110 Oct 27 13:51	23° \mathbb{M} 57'49	
minimum elong	6110 Jan 01 13:55	11° \mathcal{B} 39'45	0°14'52		6110 Oct 31 08:59	0° \mathcal{X}	
transit middle	6110 Jan 01 13:55	11° \mathcal{B} 39'45	0°14'52	evening max el	6110 Nov 21 10:45	27° \mathcal{X} 13'10	26°29'50
transit begin	6110 Jan 01 12:49	11° \mathcal{B} 43'17			6110 Nov 24 13:42	0° \mathcal{B}	
transit end	6110 Jan 01 15:00	11° \mathcal{B} 36'14		retrograde	6110 Dec 04 08:16	4° \mathcal{B} 26'57	
morning rise	6110 Jan 07 05:07	5° \mathcal{B} 43'46		evening set	6110 Dec 10 18:19	1° \mathcal{B} 51'28	
direct	6110 Jan 10 14:36	4° \mathcal{B} 37'22			6110 Dec 12 18:06	30° \mathcal{R} \mathcal{X}	
morning max el	6110 Jan 17 15:49	8° \mathcal{B} 32'26	19°16'21	min. Earth dist.	6110 Dec 14 21:22	27° \mathcal{X} 36'21	0.66320 AU
greatest brilliancy	6110 Jan 31 00:02	26° \mathcal{B} 22'45	-0.7m	inferior conj	6110 Dec 16 14:21	25° \mathcal{X} 32'59	-0°43'31
	6110 Feb 02 09:24	0° \approx		minimum elong	6110 Dec 16 15:33	25° \mathcal{X} 29'22	0°42'58
desc. node	6110 Feb 05 16:08	5° \approx 01'22		asc. node	6110 Dec 18 17:35	23° \mathcal{X} 04'02	
morning set	6110 Feb 10 11:27	12° \approx 26'20		morning rise	6110 Dec 22 13:30	19° \mathcal{X} 48'25	
	6110 Feb 21 17:57	0° \mathcal{X}		direct	6110 Dec 25 12:48	18° \mathcal{X} 58'46	
max. Earth dist.	6110 Feb 23 21:30	3° \mathcal{X} 22'44	1.44878 AU	morning max el	6111 Jan 01 03:15	22° \mathcal{X} 33'50	18°30'22
					6111 Jan 07 03:29	0° \mathcal{B}	
superior conj	6110 Feb 27 04:02	8° \mathcal{X} 33'33	-1°58'24	morning set	6111 Jan 21 09:57	22° \mathcal{B} 06'18	
minimum elong	6110 Feb 26 20:57	8° \mathcal{X} 05'26	1°57'58	desc. node	6111 Jan 23 13:08	25° \mathcal{B} 29'39	
	6110 Mar 12 09:32	0° \mathcal{Y}			6111 Jan 26 09:22	0° \approx	
evening rise	6110 Mar 13 13:46	1° \mathcal{Y} 56'43					
asc. node	6110 Mar 29 19:45	27° \mathcal{Y} 35'02		superior conj	6111 Feb 06 08:22	17° \approx 14'19	-1°27'15
	6110 Mar 31 19:17	0° \mathcal{B}		minimum elong	6111 Feb 05 22:58	16° \approx 37'29	1°26'14
evening max el	6110 Apr 01 23:19	1° \mathcal{B} 14'53	18°23'56	max. Earth dist.	6111 Feb 06 16:05	17° \approx 44'34	1.45381 AU
retrograde	6110 Apr 08 10:07	4° \mathcal{B} 44'04			6111 Feb 14 11:36	0° \mathcal{X}	
evening set	6110 Apr 11 11:38	3° \mathcal{B} 52'30		evening rise	6111 Feb 22 04:07	12° \mathcal{X} 08'09	
	6110 Apr 15 22:35	30° \mathcal{R} \mathcal{Y}		greatest brilliancy	6111 Mar 03 10:51	26° \mathcal{X} 48'50	-0.8m
inferior conj	6110 Apr 17 08:01	28° \mathcal{O} Y24'48	3°28'10		6111 Mar 05 12:06	0° \mathcal{Y}	
minimum elong	6110 Apr 17 08:40	28° \mathcal{O} Y22'55	3°28'07	evening max el	6111 Mar 16 09:35	14° \mathcal{Y} 46'09	18°58'07
min. Earth dist.	6110 Apr 19 15:01	25° \mathcal{O} Y45'38	0.64286 AU	asc. node	6111 Mar 16 16:48	15° \mathcal{Y} 04'13	
morning rise	6110 Apr 23 04:50	22° \mathcal{O} Y12'36		retrograde	6111 Mar 23 04:56	18° \mathcal{Y} 35'10	
direct	6110 Apr 29 23:19	19° \mathcal{O} Y26'49		evening set	6111 Mar 26 13:28	17° \mathcal{Y} 29'58	
desc. node	6110 May 04 15:27	20° \mathcal{O} Y33'59		inferior conj	6111 Apr 01 03:03	11° \mathcal{Y} 45'30	3°27'56
morning max el	6110 May 13 15:16	27° \mathcal{O} Y24'45	27°29'31	minimum elong	6111 Apr 01 02:19	11° \mathcal{Y} 47'49	3°27'52
	6110 May 16 01:54	0° \mathcal{B}		min. Earth dist.	6111 Apr 02 18:25	9° \mathcal{Y} 41'36	0.65899 AU
	6110 Jun 06 05:41	0° \mathbb{I}		morning rise	6111 Apr 06 14:45	5° \mathcal{Y} 30'18	
morning set	6110 Jun 17 18:52	21° \mathbb{I} 03'46		direct	6111 Apr 13 01:48	2° \mathcal{Y} 41'40	
	6110 Jun 22 05:03	0° \mathcal{B}		desc. node	6111 Apr 21 12:29	6° \mathcal{Y} 18'45	
max. Earth dist.	6110 Jun 22 14:32	0° \mathcal{B} 49'09	1.33206 AU	morning max el	6111 Apr 26 01:22	10° \mathcal{Y} 23'23	26°35'15
					6111 May 11 13:28	0° \mathcal{B}	
superior conj	6110 Jun 25 20:12	7° \mathcal{B} 38'13	0°00'31		6111 May 29 18:20	0° \mathbb{I}	
minimum elong	6110 Jun 25 20:10	7° \mathcal{B} 38'06	0°00'29	morning set	6111 Jun 01 00:36	4° \mathbb{I} 12'59	
behind sun begin	6110 Jun 25 14:45	7° \mathcal{B} 09'11		max. Earth dist.	6111 Jun 05 04:05	12° \mathbb{I} 14'32	1.34571 AU
behind sun end	6110 Jun 26 01:36	8° \mathcal{B} 07'03					
asc. node	6110 Jun 25 19:00	7° \mathcal{B} 31'48		superior conj	6111 Jun 09 19:15	21° \mathbb{I} 37'31	-0°29'03
evening rise	6110 Jul 02 23:22	22° \mathcal{B} 54'55		minimum elong	6111 Jun 09 20:51	21° \mathbb{I} 45'47	0°28'45
	6110 Jul 06 09:26	0° \mathcal{O}		asc. node	6111 Jun 12 16:02	27° \mathbb{I} 35'41	

	6111 Jun 13 19:32	0°☿		asc. node	6112 May 29 13:05	17°♊32'37	
evening rise	6111 Jun 17 08:43	7°☿25'57		evening rise	6112 May 31 13:47	21°♊39'59	
	6111 Jun 29 13:27	0°♌			6112 Jun 04 18:36	0°☿	
evening max el	6111 Jul 06 13:21	8°♌45'48	21°00'18	evening max el	6112 Jun 17 22:59	20°☿01'06	19°46'31
retrograde	6111 Jul 18 06:40	14°♌32'42		retrograde	6112 Jun 27 23:22	24°☿55'53	
desc. node	6111 Jul 18 11:43	14°♌32'35		evening set	6112 Jun 29 20:43	24°☿46'09	
evening set	6111 Jul 20 11:38	14°♌21'12		desc. node	6112 Jul 04 08:46	23°☿14'06	
inferior conj	6111 Jul 29 19:12	10°♌23'46	-3°16'11	inferior conj	6112 Jul 08 18:00	20°☿43'58	-1°19'18
minimum elong	6111 Jul 29 10:42	10°♌35'45	3°13'29	minimum elong	6112 Jul 08 14:21	20°☿49'37	1°17'57
min. Earth dist.	6111 Jul 30 09:25	10°♌03'42	0.54767 AU	min. Earth dist.	6112 Jul 10 21:45	19°☿24'10	0.55372 AU
morning rise	6111 Aug 07 10:02	6°♌26'07		morning rise	6112 Jul 17 05:52	16°☿18'08	
direct	6111 Aug 11 02:57	5°♌56'41		direct	6112 Jul 21 17:05	15°☿34'07	
morning max el	6111 Aug 24 00:23	12°♌05'32	22°46'39	morning max el	6112 Aug 04 14:08	22°☿27'13	24°31'19
	6111 Sep 06 07:45	0°♍			6112 Aug 11 06:33	0°♌	
asc. node	6111 Sep 08 15:21	4°♍09'38		asc. node	6112 Aug 25 12:22	23°♌31'31	
morning set	6111 Sep 15 11:27	17°♍48'28			6112 Aug 28 16:45	0°♍	
	6111 Sep 21 04:15	0°♎		morning set	6112 Aug 29 23:13	2°♍40'20	
superior conj	6111 Sep 22 12:49	2°♎54'11	1°41'12	superior conj	6112 Sep 05 21:22	17°♍41'54	1°33'48
minimum elong	6111 Sep 22 11:57	2°♎49'36	1°41'11	minimum elong	6112 Sep 05 19:37	17°♍32'18	1°33'39
max. Earth dist.	6111 Sep 25 14:59	9°♎25'18	1.33909 AU	max. Earth dist.	6112 Sep 07 17:13	21°♍39'50	1.32782 AU
evening rise	6111 Sep 30 08:56	19°♎02'34			6112 Sep 11 15:30	0°♎	
	6111 Oct 06 04:14	0°♏		evening rise	6112 Sep 13 04:26	3°♎10'02	
desc. node	6111 Oct 14 10:53	14°♏02'52			6112 Sep 27 23:03	0°♏	
	6111 Oct 25 12:10	0°♐		desc. node	6112 Sep 30 07:57	3°♏41'18	
evening max el	6111 Nov 03 23:35	10°♐45'31	27°12'08	evening max el	6112 Oct 16 10:35	23°♏54'13	27°27'47
retrograde	6111 Nov 17 08:52	18°♐03'47			6112 Oct 24 23:21	0°♐	
evening set	6111 Nov 24 05:41	15°♐24'54		retrograde	6112 Oct 30 03:06	1°♐11'12	
min. Earth dist.	6111 Nov 28 02:41	11°♐44'41	0.64985 AU		6112 Nov 03 23:54	30°♏♌	
inferior conj	6111 Nov 30 07:33	9°♐18'48	-1°46'34	evening set	6112 Nov 06 06:18	28°♏37'49	
minimum elong	6111 Nov 30 10:41	9°♐10'09	1°45'15	min. Earth dist.	6112 Nov 09 22:40	25°♏29'21	0.63319 AU
asc. node	6111 Dec 05 14:39	4°♐23'20		inferior conj	6112 Nov 12 15:11	22°♏49'03	-2°51'54
morning rise	6111 Dec 06 16:52	3°♐47'29		minimum elong	6112 Nov 12 20:18	22°♏36'18	2°50'01
direct	6111 Dec 09 08:06	3°♐10'47		morning rise	6112 Nov 19 12:00	17°♏34'10	
morning max el	6111 Dec 15 19:02	6°♐36'15	18°01'06	asc. node	6112 Nov 21 11:42	17°♏07'34	
	6111 Dec 31 15:05	0°♑		direct	6112 Nov 21 21:32	17°♏06'45	
morning set	6112 Jan 02 14:10	3°♑15'27		morning max el	6112 Nov 28 12:08	20°♏31'45	17°49'10
desc. node	6112 Jan 10 10:09	16°♑07'57			6112 Dec 05 14:51	0°♑	
				morning set	6112 Dec 14 20:00	15°♑38'21	
superior conj	6112 Jan 16 17:08	26°♑14'35	-0°43'15		6112 Dec 23 04:23	0°♑	
minimum elong	6112 Jan 16 11:54	25°♑53'46	0°42'30	superior conj	6112 Dec 26 23:02	6°♑18'33	0°02'25
	6112 Jan 19 02:01	0°♒		minimum elong	6112 Dec 26 23:18	6°♑19'39	0°02'26
max. Earth dist.	6112 Jan 20 12:00	2°♒14'01	1.45136 AU	behind sun begin	6112 Dec 26 13:55	5°♑40'48	
evening rise	6112 Feb 01 22:50	21°♒36'43		behind sun end	6112 Dec 27 08:42	6°♑58'24	
	6112 Feb 07 09:45	0°♓		desc. node	6112 Dec 27 07:11	6°♑52'11	
greatest brilliancy	6112 Feb 15 19:40	12°♓43'29	-0.7m	max. Earth dist.	6113 Jan 02 05:40	16°♑30'38	1.44182 AU
evening max el	6112 Feb 27 15:27	28°♓20'23	19°48'36		6113 Jan 10 19:52	0°♒	
	6112 Feb 29 09:46	0°♈		evening rise	6113 Jan 11 09:14	0°♒51'30	
asc. node	6112 Mar 02 13:53	1°♈34'30			6113 Jan 31 01:47	0°♓	
retrograde	6112 Mar 06 02:46	2°♈39'42		evening max el	6113 Feb 09 15:49	11°♓55'12	20°53'01
evening set	6112 Mar 09 19:12	1°♈20'17		asc. node	6113 Feb 17 10:57	16°♓50'24	
	6112 Mar 11 08:37	30°♓♈		retrograde	6113 Feb 18 01:09	16°♓52'16	
inferior conj	6112 Mar 15 04:49	25°♓21'01	3°14'19	evening set	6113 Feb 22 02:47	15°♓18'05	
minimum elong	6112 Mar 15 03:06	25°♓26'46	3°14'03	inferior conj	6113 Feb 27 10:44	9°♓06'38	2°49'54
min. Earth dist.	6112 Mar 16 05:26	23°♓58'52	0.67085 AU	minimum elong	6113 Feb 27 08:29	9°♓14'25	2°49'22
morning rise	6112 Mar 20 10:46	19°♓05'33		min. Earth dist.	6113 Feb 27 22:02	8°♓27'42	0.67839 AU
direct	6112 Mar 26 10:12	16°♓25'28		morning rise	6113 Mar 04 13:59	2°♓52'43	
desc. node	6112 Apr 07 09:30	23°♓33'33		direct	6113 Mar 09 23:39	0°♓29'16	
morning max el	6112 Apr 07 10:51	23°♓36'58	25°19'18	morning max el	6113 Mar 20 19:42	6°♓57'20	23°51'48
	6112 Apr 13 03:13	0°♈		desc. node	6113 Mar 25 06:29	11°♓52'36	
	6112 May 03 22:37	0°♉			6113 Apr 07 17:52	0°♈	
morning set	6112 May 13 14:38	16°♉33'58		morning set	6113 Apr 25 07:23	27°♈51'31	
max. Earth dist.	6112 May 17 06:56	23°♉19'51	1.36376 AU		6113 Apr 26 13:13	0°♉	
	6112 May 20 18:49	0°♊		max. Earth dist.	6113 Apr 29 02:49	4°♉29'53	1.38491 AU
superior conj	6112 May 23 09:13	5°♊06'14	-0°59'31	superior conj	6113 May 06 10:31	17°♉55'13	-1°28'40
minimum elong	6112 May 23 12:38	5°♊23'09	0°58'56				

minimum elong	6113 May 06 15:25	18°♄18'26	1°28'01	superior conj	6114 Apr 18 18:39	29°♄53'32	-1°53'05
	6113 May 12 16:39	0°♄		minimum elong	6114 Apr 18 23:46	0°♄16'26	1°52'40
evening rise	6113 May 15 11:50	5°♄29'21			6114 Apr 18 20:06	0°♄	
asc. node	6113 May 16 10:09	7°♄18'17		evening rise	6114 Apr 28 23:31	18°♄44'56	
	6113 May 30 00:11	0°♄		asc. node	6114 May 03 07:11	26°♄47'08	
evening max el	6113 May 31 20:36	1°♄59'45	18°53'03		6114 May 05 01:58	0°♄	
retrograde	6113 Jun 09 07:01	6°♄08'34		evening max el	6114 May 15 02:53	14°♄33'49	18°19'57
evening set	6113 Jun 11 08:00	5°♄54'57		retrograde	6114 May 22 09:30	18°♄11'31	
inferior conj	6113 Jun 19 10:28	1°♄37'18	0°31'52	evening set	6114 May 24 17:39	17°♄49'56	
minimum elong	6113 Jun 19 11:42	1°♄35'04	0°31'22	inferior conj	6114 Jun 01 00:28	13°♄12'08	1°56'47
desc. node	6113 Jun 21 05:47	0°♄19'31		minimum elong	6114 Jun 01 03:44	13°♄05'16	1°55'47
	6113 Jun 21 16:46	30°♄		min. Earth dist.	6114 Jun 04 10:46	10°♄21'12	0.58836 AU
min. Earth dist.	6113 Jun 22 13:48	29°♄23'24	0.56823 AU	morning rise	6114 Jun 08 10:43	7°♄37'49	
morning rise	6113 Jun 27 12:01	26°♄34'46		desc. node	6114 Jun 08 02:48	7°♄48'51	
direct	6113 Jul 02 21:09	25°♄25'08		direct	6114 Jun 14 15:17	5°♄55'14	
	6113 Jul 13 22:28	0°♄		morning max el	6114 Jun 29 00:32	13°♄41'59	27°16'03
morning max el	6113 Jul 17 04:46	2°♄51'26	26°06'13		6114 Jul 12 00:13	0°♄	
	6113 Aug 05 13:34	0°♄			6114 Jul 28 18:26	0°♄	
asc. node	6113 Aug 12 09:24	13°♄13'18		morning set	6114 Jul 29 18:52	2°♄07'21	
morning set	6113 Aug 14 10:15	17°♄28'42		asc. node	6114 Jul 30 06:25	3°♄08'08	
	6113 Aug 20 04:22	0°♄					
				superior conj	6114 Aug 05 20:20	17°♄27'34	1°03'38
superior conj	6113 Aug 21 08:32	2°♄35'29	1°21'05	minimum elong	6114 Aug 05 18:07	17°♄15'14	1°03'13
minimum elong	6113 Aug 21 06:18	2°♄23'12	1°20'46	max. Earth dist.	6114 Aug 05 12:17	16°♄42'58	1.31841 AU
max. Earth dist.	6113 Aug 22 01:25	4°♄08'37	1.32094 AU		6114 Aug 11 13:33	0°♄	
evening rise	6113 Aug 28 07:30	17°♄38'18		evening rise	6114 Aug 12 15:30	2°♄18'38	
	6113 Sep 03 12:11	0°♄			6114 Aug 27 11:42	0°♄	
desc. node	6113 Sep 17 05:00	22°♄42'10		desc. node	6114 Sep 04 02:01	10°♄49'23	
	6113 Sep 22 18:12	0°♄		evening max el	6114 Sep 10 17:59	18°♄13'32	26°21'55
evening max el	6113 Sep 28 17:32	6°♄27'15	27°11'37	retrograde	6114 Sep 24 16:39	25°♄20'41	
retrograde	6113 Oct 12 14:17	13°♄39'47		evening set	6114 Oct 01 07:20	23°♄33'20	
evening set	6113 Oct 19 16:26	11°♄23'30		min. Earth dist.	6114 Oct 05 07:23	20°♄58'34	0.59313 AU
min. Earth dist.	6113 Oct 23 08:12	8°♄38'46	0.61384 AU	inferior conj	6114 Oct 08 12:49	18°♄30'09	-4°49'06
inferior conj	6113 Oct 26 10:07	5°♄56'13	-3°55'17	minimum elong	6114 Oct 08 18:49	18°♄18'35	4°47'58
minimum elong	6113 Oct 26 16:37	5°♄41'53	3°53'22	morning rise	6114 Oct 16 08:31	13°♄56'51	
morning rise	6113 Nov 02 18:51	1°♄00'51		direct	6114 Oct 18 16:19	13°♄37'57	
direct	6113 Nov 05 01:40	0°♄39'13		asc. node	6114 Oct 26 05:41	17°♄10'10	
asc. node	6113 Nov 08 08:42	1°♄26'03		morning max el	6114 Oct 26 13:09	17°♄27'50	18°21'41
morning max el	6113 Nov 12 03:20	4°♄12'19	17°55'33		6114 Nov 04 12:26	0°♄	
morning set	6113 Nov 27 20:56	28°♄55'48		morning set	6114 Nov 11 11:18	12°♄50'51	
	6113 Nov 28 10:59	0°♄					
				superior conj	6114 Nov 20 14:46	0°♄06'35	1°10'43
superior conj	6113 Dec 08 07:15	17°♄39'03	0°41'28	minimum elong	6114 Nov 20 18:28	0°♄23'35	1°10'16
minimum elong	6113 Dec 08 10:31	17°♄53'14	0°41'02		6114 Nov 20 13:20	0°♄	
desc. node	6113 Dec 14 04:11	27°♄38'44		max. Earth dist.	6114 Nov 28 03:32	13°♄29'20	1.40682 AU
	6113 Dec 15 14:17	0°♄		desc. node	6114 Dec 01 01:13	18°♄24'20	
max. Earth dist.	6113 Dec 15 18:55	0°♄19'04	1.42638 AU	evening rise	6114 Dec 02 16:12	21°♄06'00	
evening rise	6113 Dec 22 03:10	10°♄32'12			6114 Dec 08 05:00	0°♄	
	6114 Jan 03 22:40	0°♄			6114 Dec 29 02:40	0°♄	
evening max el	6114 Jan 23 10:56	25°♄31'57	22°07'37	evening max el	6115 Jan 06 02:13	9°♄12'28	23°27'17
	6114 Jan 28 23:35	0°♄		retrograde	6115 Jan 16 16:18	15°♄27'47	
retrograde	6114 Feb 01 22:08	1°♄09'23		evening set	6115 Jan 21 16:50	13°♄23'03	
asc. node	6114 Feb 04 07:58	0°♄38'59		asc. node	6115 Jan 22 04:58	12°♄56'13	
	6114 Feb 05 12:47	30°♄		min. Earth dist.	6115 Jan 26 14:38	7°♄39'02	0.68138 AU
evening set	6114 Feb 06 10:30	29°♄19'59		inferior conj	6115 Jan 27 02:47	6°♄57'18	1°34'49
inferior conj	6114 Feb 11 18:41	22°♄59'32	2°16'21	minimum elong	6115 Jan 27 00:51	7°♄03'59	1°34'08
minimum elong	6114 Feb 11 16:21	23°♄07'40	2°15'39	morning rise	6115 Feb 01 08:47	0°♄51'24	
min. Earth dist.	6114 Feb 11 17:52	23°♄02'21	0.68184 AU		6115 Feb 02 15:19	30°♄	
morning rise	6114 Feb 16 22:02	16°♄48'47		direct	6115 Feb 05 14:01	29°♄11'59	
direct	6114 Feb 21 17:18	14°♄46'35			6115 Feb 08 17:31	0°♄	
morning max el	6114 Mar 03 06:25	20°♄23'54	22°22'41	morning max el	6115 Feb 13 22:48	4°♄01'12	21°00'20
	6114 Mar 11 09:50	0°♄		desc. node	6115 Feb 27 00:30	20°♄37'19	
desc. node	6114 Mar 12 03:29	0°♄58'02			6115 Mar 05 10:46	0°♄	
	6114 Mar 31 23:29	0°♄		morning set	6115 Mar 16 07:33	16°♄35'39	
morning set	6114 Apr 05 21:08	7°♄51'00		max. Earth dist.	6115 Mar 24 02:42	29°♄02'55	1.42717 AU
max. Earth dist.	6114 Apr 10 23:19	16°♄17'46	1.40701 AU		6115 Mar 24 16:41	0°♄	

superior conj	6115 Mar 31 04:52	10° Υ 50'53	-2°07'58	max. Earth dist.	6116 Mar 05 13:48	12° X 39'01	1.44272 AU
minimum elong	6115 Mar 31 07:24	11° Υ 01'39	2°07'54				
	6115 Apr 11 03:23	0° B		superior conj	6116 Mar 10 13:46	20° X 40'37	-2°07'30
evening rise	6115 Apr 11 20:49	1° B 18'04		minimum elong	6116 Mar 10 10:23	20° X 26'52	2°07'23
asc. node	6115 Apr 20 04:13	15° B 53'34			6116 Mar 16 06:09	0° Υ	
evening max el	6115 Apr 28 14:12	27° B 34'01	18°06'33	evening rise	6116 Mar 23 23:14	12° Υ 59'21	
	6115 May 01 17:49	0° II			6116 Apr 03 02:36	0° B	
retrograde	6115 May 05 04:56	0° II 57'04		asc. node	6116 Apr 06 01:15	4° B 29'53	
evening set	6115 May 07 20:08	0° II 24'53		evening max el	6116 Apr 11 03:10	10° B 51'09	18°12'13
	6115 May 08 17:42	30° R B		retrograde	6116 Apr 17 12:48	14° B 14'31	
inferior conj	6115 May 14 10:23	25° B 26'27	2°51'40	evening set	6116 Apr 20 10:31	13° B 30'18	
minimum elong	6115 May 14 13:19	25° B 19'20	2°51'02	inferior conj	6116 Apr 26 12:17	8° B 12'35	3°20'49
min. Earth dist.	6115 May 17 14:47	22° B 22'38	0.61058 AU	minimum elong	6116 Apr 26 13:49	8° B 08'21	3°20'38
morning rise	6115 May 21 04:21	19° B 30'22		min. Earth dist.	6116 Apr 29 03:51	5° B 19'09	0.63187 AU
desc. node	6115 May 25 23:48	17° B 26'23		morning rise	6116 May 02 15:53	2° B 04'03	
direct	6115 May 27 20:51	17° B 15'59			6116 May 06 07:14	30° R Υ	
morning max el	6115 Jun 11 02:52	25° B 13'42	27°50'45	direct	6116 May 09 11:40	29° Υ 26'22	
	6115 Jun 15 12:01	0° II		desc. node	6116 May 11 20:49	29° Υ 43'44	
	6115 Jul 05 10:34	0° B			6116 May 12 19:52	0° B	
morning set	6115 Jul 13 23:15	16° B 30'49		morning max el	6116 May 23 10:27	7° B 27'13	27°47'29
asc. node	6115 Jul 17 03:27	23° B 11'09			6116 Jun 09 17:00	0° II	
max. Earth dist.	6115 Jul 19 22:05	29° B 11'39	1.32020 AU	morning set	6116 Jun 26 21:13	0° B 32'29	
	6115 Jul 20 06:55	0° Ω			6116 Jun 26 14:44	0° B	
				max. Earth dist.	6116 Jul 02 02:50	11° B 22'14	1.32637 AU
superior conj	6115 Jul 21 07:05	2° Ω 12'33	0°41'55	asc. node	6116 Jul 03 00:30	13° B 17'45	
minimum elong	6115 Jul 21 05:20	2° Ω 02'57	0°41'32				
evening rise	6115 Jul 28 02:21	17° Ω 04'21		superior conj	6116 Jul 04 14:57	16° B 44'36	0°16'31
	6115 Aug 03 10:43	0° II		minimum elong	6116 Jul 04 14:10	16° B 40'21	0°16'19
desc. node	6115 Aug 21 23:02	27° II 41'46			6116 Jul 10 17:43	0° Ω	
evening max el	6115 Aug 23 10:42	29° II 10'45	25°03'04	evening rise	6116 Jul 11 14:08	1° Ω 49'05	
	6115 Aug 24 07:51	0° Ω			6116 Jul 27 00:46	0° II	
retrograde	6115 Sep 06 08:15	6° Ω 11'55		evening max el	6116 Aug 03 22:46	9° II 33'56	23°27'18
evening set	6115 Sep 11 22:29	5° Ω 00'55		desc. node	6116 Aug 07 20:03	12° II 50'41	
min. Earth dist.	6115 Sep 16 22:08	2° Ω 18'07	0.57328 AU	retrograde	6116 Aug 17 11:57	16° II 21'32	
inferior conj	6115 Sep 19 20:12	0° Ω 21'37	-5°20'39	evening set	6116 Aug 21 14:43	15° II 44'25	
minimum elong	6115 Sep 19 22:22	0° Ω 18'00	5°20'32	min. Earth dist.	6116 Aug 28 08:19	12° II 36'02	0.55726 AU
	6115 Sep 20 09:10	30° R II		inferior conj	6116 Aug 30 07:32	11° II 26'14	-5°12'52
morning rise	6115 Sep 28 00:29	26° II 11'09		minimum elong	6116 Aug 30 03:00	11° II 32'57	5°12'24
direct	6115 Sep 30 13:27	25° II 52'28		morning rise	6116 Sep 07 17:40	7° II 33'24	
	6115 Oct 09 10:25	0° Ω		direct	6116 Sep 10 14:59	7° II 13'02	
morning max el	6115 Oct 09 14:11	0° Ω 08'52	19°09'09	morning max el	6116 Sep 21 03:45	12° II 07'17	20°18'46
asc. node	6115 Oct 13 02:43	4° Ω 05'49		asc. node	6116 Sep 28 23:46	21° II 58'12	
morning set	6115 Oct 26 10:54	27° Ω 11'29			6116 Oct 03 16:16	0° Ω	
	6115 Oct 27 20:48	0° II		morning set	6116 Oct 09 16:41	11° Ω 49'25	
superior conj	6115 Nov 03 16:20	13° II 26'25	1°29'57	superior conj	6116 Oct 17 07:09	27° Ω 25'11	1°40'12
minimum elong	6115 Nov 03 19:04	13° II 39'36	1°29'44	minimum elong	6116 Oct 17 08:24	27° Ω 31'34	1°40'11
max. Earth dist.	6115 Nov 10 09:03	25° II 58'27	1.38554 AU		6116 Oct 18 13:57	0° II	
	6115 Nov 12 15:08	0° X		max. Earth dist.	6116 Oct 22 15:40	7° II 58'25	1.36505 AU
evening rise	6115 Nov 14 03:48	2° X 40'25		evening rise	6116 Oct 26 12:12	15° II 11'36	
desc. node	6115 Nov 17 22:14	9° X 04'50		desc. node	6116 Nov 03 19:16	29° II 36'21	
	6115 Dec 01 09:26	0° B			6116 Nov 04 01:01	0° X	
evening max el	6115 Dec 19 15:23	22° B 56'08	24°45'45		6116 Nov 25 00:46	0° B	
retrograde	6115 Dec 31 06:32	29° B 42'29		evening max el	6116 Dec 01 04:04	6° B 41'01	25°55'56
evening set	6116 Jan 05 20:15	27° B 23'17		retrograde	6116 Dec 13 16:09	13° B 48'27	
asc. node	6116 Jan 09 01:59	23° B 56'16		evening set	6116 Dec 19 19:05	11° B 17'24	
min. Earth dist.	6116 Jan 10 09:59	22° B 13'29	0.67717 AU	min. Earth dist.	6116 Dec 24 01:44	6° B 42'21	0.66935 AU
inferior conj	6116 Jan 11 09:15	20° B 56'28	0°46'03	inferior conj	6116 Dec 25 12:14	4° B 54'13	-0°09'09
minimum elong	6116 Jan 11 08:09	21° B 00'05	0°45'38	minimum elong	6116 Dec 25 12:28	4° B 53'28	0°09'01
morning rise	6116 Jan 16 20:14	14° B 57'14		transit middle	6116 Dec 25 12:28	4° B 53'28	0°09'01
direct	6116 Jan 20 12:30	13° B 39'36		transit begin	6116 Dec 25 10:07	5° B 00'51	
morning max el	6116 Jan 27 23:04	17° B 50'41	19°50'06	transit end	6116 Dec 25 14:50	4° B 46'05	
	6116 Feb 06 14:59	0° \approx		asc. node	6116 Dec 25 23:01	4° B 20'29	
greatest brilliancy	6116 Feb 10 01:19	4° \approx 57'55	-0.6m		6116 Dec 29 23:17	30° R X	
desc. node	6116 Feb 13 21:30	10° \approx 40'43		morning rise	6116 Dec 31 06:23	29° X 03'46	
morning set	6116 Feb 23 04:06	24° \approx 48'40		direct	6117 Jan 03 11:16	28° X 05'04	
	6116 Feb 26 12:34	0° X			6117 Jan 08 05:04	0° B	

morning max el	6117 Jan 10 07:03	1°  50'09	18°54'48		6118 Jan 04 05:26	0° 	
	6117 Jan 30 02:41	0° 		morning set	6118 Jan 12 22:45	14°  00'27	
desc. node	6117 Jan 30 18:32	1°  01'48		desc. node	6118 Jan 17 15:33	21°  34'59	
morning set	6117 Feb 01 11:37	3°  42'12			6118 Jan 22 22:09	0° 	
max. Earth dist.	6117 Feb 16 06:15	26°  48'45	1.45184 AU				
				superior conj	6118 Jan 28 04:32	8°  18'44	-1°09'30
superior conj	6117 Feb 18 00:48	29°  35'58	-1°47'21	minimum elong	6118 Jan 27 20:20	7°  46'31	1°08'30
minimum elong	6117 Feb 17 15:52	29°  00'50	1°46'38	max. Earth dist.	6118 Jan 30 01:10	11°  13'52	1.45367 AU
	6117 Feb 18 06:54	0° 			6118 Feb 11 01:25	0° 	
evening rise	6117 Mar 05 03:05	23°  43'23		evening rise	6118 Feb 13 08:08	3°  43'43	
	6117 Mar 08 23:47	0° 		greatest brilliancy	6118 Feb 24 18:57	21°  21'09	-0.7m
asc. node	6117 Mar 23 22:18	22°  07'01			6118 Mar 02 15:40	0° 	
evening max el	6117 Mar 25 15:05	24°  08'50	18°36'19	evening max el	6118 Mar 08 23:38	7°  51'56	19°17'46
retrograde	6117 Apr 01 04:42	27°  05'55'26		asc. node	6118 Mar 10 19:20	9°  03'33'08	
evening set	6117 Apr 04 09:02	26°  05'58'15		retrograde	6118 Mar 16 01:07	11°  05'52'57	
inferior conj	6117 Apr 10 02:08	21°  02'30'04	3°29'54	evening set	6118 Mar 19 12:47	10°  04'41'59	
minimum elong	6117 Apr 10 02:09	21°  02'30'00	3°29'53	inferior conj	6118 Mar 25 00:23	4°  51'08	3°23'36
min. Earth dist.	6117 Apr 12 02:25	18°  05'57'35	0.65021 AU	minimum elong	6118 Mar 24 23:11	4°  55'02	3°23'28
morning rise	6117 Apr 15 18:37	15°  08'48		min. Earth dist.	6118 Mar 26 09:25	3°  04'11	0.66456 AU
direct	6117 Apr 22 10:25	12°  02'20'18			6118 Mar 28 23:04	30°  48'50	
desc. node	6117 Apr 28 17:51	14°  02'22'28		morning rise	6118 Mar 30 09:14	28°  35'23	
morning max el	6117 May 05 20:33	20°  09'13'44	27°09'39	direct	6118 Apr 05 15:45	25°  48'50	
	6117 May 14 05:43	0° 			6118 Apr 14 15:48	0° 	
	6117 Jun 02 18:55	0° 		desc. node	6118 Apr 15 14:53	0°  49'17	
morning set	6117 Jun 10 09:55	14°  04'08		morning max el	6118 Apr 18 06:28	3°  20'15	26°04'55
max. Earth dist.	6117 Jun 14 22:39	23°  04'32	1.33725 AU		6118 May 08 12:22	0° 	
	6117 Jun 18 06:54	0° 		morning set	6118 May 24 09:38	26°  55'18	
					6118 May 26 01:07	0° 	
superior conj	6117 Jun 18 17:55	0°  57'51	-0°11'50	max. Earth dist.	6118 May 28 07:08	4°  18'14	1.35284 AU
minimum elong	6117 Jun 18 18:32	1°  01'09	0°11'44				
behind sun begin	6117 Jun 18 14:42	0°  40'58		superior conj	6118 Jun 02 13:31	14°  45'49	-0°41'59
behind sun end	6117 Jun 18 22:22	1°  21'21		minimum elong	6118 Jun 02 15:53	14°  45'50	0°41'33
asc. node	6117 Jun 19 21:33	3°  23'49		asc. node	6118 Jun 06 18:36	23°  25'41	
evening rise	6117 Jun 26 00:57	16°  26'49			6118 Jun 09 22:44	0° 	
	6117 Jul 02 19:29	0° 		evening rise	6118 Jun 10 08:47	0°  51'49	
evening max el	6117 Jul 16 14:17	19°  55'43	21°50'47		6118 Jun 27 21:47	0° 	
desc. node	6117 Jul 25 17:06	25°  41'57		evening max el	6118 Jun 28 16:41	0°  48'02	20°26'37
retrograde	6117 Jul 29 04:31	26°  10'26		retrograde	6118 Jul 09 17:02	6°  12'31	
evening set	6117 Jul 31 21:27	25°  53'59		evening set	6118 Jul 11 16:39	6°  02'44	
min. Earth dist.	6117 Aug 09 17:59	22°  06'00	0.54843 AU	desc. node	6118 Jul 12 14:08	5°  52'12	
inferior conj	6117 Aug 10 03:52	21°  52'09	-4°12'43	inferior conj	6118 Jul 20 21:33	2°  05'30	-2°28'01
minimum elong	6117 Aug 09 18:53	22°  04'45	4°10'27	minimum elong	6118 Jul 20 14:44	2°  15'24	2°25'37
morning rise	6117 Aug 18 17:42	18°  01'47		min. Earth dist.	6118 Jul 22 05:10	1°  19'36	0.54906 AU
direct	6117 Aug 22 02:04	17°  37'09			6118 Jul 24 14:25	30°  48'50	
morning max el	6117 Sep 03 05:05	23°  18'47	21°48'33	morning rise	6118 Jul 29 11:54	27°  57'30	
	6117 Sep 09 02:14	0° 		direct	6118 Aug 02 12:03	27°  22'52	
asc. node	6117 Sep 15 20:50	10°  33'21			6118 Aug 10 21:51	0° 	
morning set	6117 Sep 24 02:15	26°  36'47		morning max el	6118 Aug 15 21:12	3°  52'18	23°31'15
	6117 Sep 25 16:56	0° 		asc. node	6118 Sep 02 17:53	29°  40'53	
					6118 Sep 02 21:52	0° 	
superior conj	6117 Oct 01 07:08	11°  49'55	1°42'47	morning set	6118 Sep 08 13:41	11°  48'20	
minimum elong	6117 Oct 01 06:59	11°  49'04	1°42'48				
max. Earth dist.	6117 Oct 05 04:22	19°  50'50	1.34740 AU	superior conj	6118 Sep 15 13:16	26°  41'22	1°38'45
evening rise	6117 Oct 09 13:20	28°  28'31		minimum elong	6118 Sep 15 11:59	26°  42'25	1°38'41
	6117 Oct 10 08:30	0° 			6118 Sep 17 04:10	0° 	
desc. node	6117 Oct 21 16:18	19°  52'55		max. Earth dist.	6118 Sep 18 01:50	1°  55'10	1.33375 AU
	6117 Oct 28 06:07	0° 		evening rise	6118 Sep 23 03:10	12°  48'35	
evening max el	6117 Nov 13 16:56	20°  47'20'31	26°50'37		6118 Oct 02 14:30	0° 	
retrograde	6117 Nov 26 20:23	27°  38'06		desc. node	6118 Oct 08 13:21	9°  47'41	
evening set	6117 Dec 03 11:19	25°  00'06			6118 Oct 23 13:52	0° 	
min. Earth dist.	6117 Dec 07 11:36	20°  59'58	0.65794 AU	evening max el	6118 Oct 27 05:20	3°  44'49	27°22'28
inferior conj	6117 Dec 09 09:40	18°  45'56	-1°09'47	retrograde	6118 Nov 09 18:29	11°  43'11	
minimum elong	6117 Dec 09 11:40	18°  40'08	1°08'55	evening set	6118 Nov 16 18:29	8°  45'25'43	
asc. node	6117 Dec 12 20:05	15°  40'40		min. Earth dist.	6118 Nov 20 13:20	4°  59'17	0.64312 AU
morning rise	6117 Dec 15 12:58	13°  40'06'40		inferior conj	6118 Nov 22 23:09	2°  26'10	-2°14'12
direct	6117 Dec 18 08:27	12°  23'11		minimum elong	6118 Nov 23 03:09	2°  15'33	2°12'36
morning max el	6117 Dec 24 20:43	15°  45'31'18	18°15'46		6118 Nov 25 08:38	30°  48'50	

morning rise	6118 Nov 29 13:13	27° \mathbb{M} 01'10	direct	6119 Nov 15 11:44	10° \mathbb{M} 16'00	
asc. node	6118 Nov 29 17:08	26° \mathbb{M} 57'10	asc. node	6119 Nov 16 14:09	10° \mathbb{M} 21'38	
direct	6118 Dec 02 01:39	26° \mathbb{M} 28'53	morning max el	6119 Nov 22 05:58	13° \mathbb{M} 43'21	17°49'36
morning max el	6118 Dec 08 13:21	29° \mathbb{M} 53'23	17°53'46	6119 Dec 03 09:16	0° \mathbb{M}	
	6118 Dec 08 15:59	0° \mathbb{M}	morning set	6119 Dec 08 05:28	8° \mathbb{M} 32'53	
morning set	6118 Dec 25 14:40	25° \mathbb{M} 43'40				
	6118 Dec 28 03:22	0° \mathbb{M}	superior conj	6119 Dec 19 13:58	28° \mathbb{M} 19'25	0°20'05
desc. node	6119 Jan 04 12:34	12° \mathbb{M} 16'13	minimum elong	6119 Dec 19 15:52	28° \mathbb{M} 27'25	0°19'50
				6119 Dec 20 13:53	0° \mathbb{M}	
superior conj	6119 Jan 07 20:51	17° \mathbb{M} 42'25	-0°23'29	6119 Dec 22 09:35	3° \mathbb{M} 02'12	
minimum elong	6119 Jan 07 18:07	17° \mathbb{M} 31'22	0°23'02	6119 Dec 26 12:52	9° \mathbb{M} 48'33	1.43591 AU
max. Earth dist.	6119 Jan 12 20:13	25° \mathbb{M} 39'16	1.44816 AU	evening rise	6120 Jan 03 09:19	22° \mathbb{M} 14'24
	6119 Jan 15 14:25	0° \mathbb{M}		6120 Jan 08 10:45	0° \mathbb{M}	
evening rise	6119 Jan 23 21:25	12° \mathbb{M} 51'51		6120 Jan 29 14:36	0° \mathbb{M}	
	6119 Feb 04 04:34	0° \mathbb{M}	evening max el	6120 Feb 03 01:27	5° \mathbb{M} 03'36	21°23'45
greatest brilliancy	6119 Feb 07 13:08	4° \mathbb{M} 57'43	-0.6m	retrograde	6120 Feb 11 21:13	10° \mathbb{M} 17'14
evening max el	6119 Feb 20 03:18	21° \mathbb{M} 27'03	20°14'35	asc. node	6120 Feb 12 13:24	10° \mathbb{M} 14'50
asc. node	6119 Feb 25 16:22	25° \mathbb{M} 33'48		evening set	6120 Feb 16 03:20	8° \mathbb{M} 36'26
retrograde	6119 Feb 27 23:17	26° \mathbb{M} 01'22		inferior conj	6120 Feb 21 11:11	2° \mathbb{M} 20'50
evening set	6119 Mar 03 19:29	24° \mathbb{M} 35'48		minimum elong	6120 Feb 21 08:51	2° \mathbb{M} 28'58
inferior conj	6119 Mar 09 04:10	18° \mathbb{M} 31'18	3°05'08	min. Earth dist.	6120 Feb 21 17:09	2° \mathbb{M} 00'09
minimum elong	6119 Mar 09 02:10	18° \mathbb{M} 38'06	3°04'46		6120 Feb 23 04:23	30° \mathbb{M}
min. Earth dist.	6119 Mar 09 23:01	17° \mathbb{M} 27'24	0.67462 AU	morning rise	6120 Feb 26 14:11	26° \mathbb{M} 08'21
morning rise	6119 Mar 14 08:38	12° \mathbb{M} 16'26		direct	6120 Mar 02 17:47	23° \mathbb{M} 53'39
direct	6119 Mar 20 02:30	9° \mathbb{M} 42'25		morning max el	6120 Mar 13 00:28	29° \mathbb{M} 59'42
morning max el	6119 Mar 31 15:14	16° \mathbb{M} 36'23	24°42'48		6120 Mar 13 00:35	0° \mathbb{M}
desc. node	6119 Apr 02 11:53	18° \mathbb{M} 33'59		desc. node	6120 Mar 19 08:52	7° \mathbb{M} 15'01
	6119 Apr 11 17:47	0° \mathbb{M}			6120 Apr 04 13:58	0° \mathbb{M}
	6119 May 01 11:48	0° \mathbb{M}		morning set	6120 Apr 16 21:02	19° \mathbb{M} 36'34
morning set	6119 May 06 15:15	8° \mathbb{M} 50'59		max. Earth dist.	6120 Apr 21 01:46	26° \mathbb{M} 46'02
max. Earth dist.	6119 May 10 06:02	15° \mathbb{M} 20'52	1.37251 AU		6120 Apr 22 22:07	0° \mathbb{M}
superior conj	6119 May 16 22:33	27° \mathbb{M} 59'06	-1°12'13	superior conj	6120 Apr 28 17:08	10° \mathbb{M} 28'08
minimum elong	6119 May 17 02:41	28° \mathbb{M} 19'10	1°11'35	minimum elong	6120 Apr 28 22:21	10° \mathbb{M} 52'20
	6119 May 17 23:19	0° \mathbb{M}		evening rise	6120 May 08 05:16	28° \mathbb{M} 32'40
asc. node	6119 May 24 15:37	13° \mathbb{M} 18'27			6120 May 08 23:26	0° \mathbb{M}
evening rise	6119 May 25 11:11	14° \mathbb{M} 56'14		asc. node	6120 May 10 12:38	2° \mathbb{M} 57'44
	6119 Jun 02 09:37	0° \mathbb{M}		evening max el	6120 May 24 09:25	24° \mathbb{M} 36'52
evening max el	6119 Jun 11 07:45	12° \mathbb{M} 22'26	19°21'15	retrograde	6120 Jun 01 06:30	28° \mathbb{M} 30'37
retrograde	6119 Jun 20 14:41	16° \mathbb{M} 55'43		evening set	6120 Jun 03 10:28	28° \mathbb{M} 13'57
evening set	6119 Jun 22 12:59	16° \mathbb{M} 44'46		inferior conj	6120 Jun 11 04:18	23° \mathbb{M} 47'31
desc. node	6119 Jun 29 11:10	13° \mathbb{M} 40'40		minimum elong	6120 Jun 11 06:46	23° \mathbb{M} 42'46
inferior conj	6119 Jul 01 02:47	12° \mathbb{M} 36'59	-0°29'45	min. Earth dist.	6120 Jun 14 12:17	21° \mathbb{M} 15'30
minimum elong	6119 Jul 01 01:28	12° \mathbb{M} 39'08	0°29'18	desc. node	6120 Jun 15 08:10	20° \mathbb{M} 40'07
min. Earth dist.	6119 Jul 03 18:41	10° \mathbb{M} 52'56	0.55908 AU	morning rise	6120 Jun 18 23:44	18° \mathbb{M} 30'26
morning rise	6119 Jul 09 11:09	7° \mathbb{M} 56'05		direct	6120 Jun 24 17:40	17° \mathbb{M} 07'36
direct	6119 Jul 14 07:52	7° \mathbb{M} 02'19		morning max el	6120 Jul 09 02:49	24° \mathbb{M} 43'14
morning max el	6119 Jul 28 10:20	14° \mathbb{M} 10'29	25°13'49		6120 Jul 13 23:21	0° \mathbb{M}
	6119 Aug 09 22:10	0° \mathbb{M}			6120 Aug 02 00:35	0° \mathbb{M}
asc. node	6119 Aug 20 14:54	19° \mathbb{M} 12'00		asc. node	6120 Aug 06 11:55	9° \mathbb{M} 00'02
morning set	6119 Aug 24 01:18	26° \mathbb{M} 18'57		morning set	6120 Aug 07 11:29	11° \mathbb{M} 03'47
	6119 Aug 25 18:32	0° \mathbb{M}				
superior conj	6119 Aug 30 23:08	11° \mathbb{M} 21'55	1°29'01	superior conj	6120 Aug 14 10:44	26° \mathbb{M} 15'12
minimum elong	6119 Aug 30 21:07	11° \mathbb{M} 10'52	1°28'47	minimum elong	6120 Aug 14 08:27	26° \mathbb{M} 02'34
max. Earth dist.	6119 Sep 01 07:06	14° \mathbb{M} 16'51	1.32440 AU	max. Earth dist.	6120 Aug 14 17:01	26° \mathbb{M} 49'55
evening rise	6119 Sep 07 02:12	26° \mathbb{M} 37'47			6120 Aug 16 03:26	0° \mathbb{M}
	6119 Sep 08 17:53	0° \mathbb{M}		evening rise	6120 Aug 21 07:37	11° \mathbb{M} 11'47
desc. node	6119 Sep 25 10:23	29° \mathbb{M} 11'34			6120 Aug 30 22:52	0° \mathbb{M}
	6119 Sep 25 23:32	0° \mathbb{M}		desc. node	6120 Sep 11 07:25	17° \mathbb{M} 51'44
evening max el	6119 Oct 09 15:10	16° \mathbb{M} 40'39	27°25'06	evening max el	6120 Sep 20 19:31	28° \mathbb{M} 54'12
retrograde	6119 Oct 23 09:35	23° \mathbb{M} 55'02			6120 Sep 22 00:19	0° \mathbb{M}
evening set	6119 Oct 30 13:24	21° \mathbb{M} 27'45		retrograde	6120 Oct 04 16:55	6° \mathbb{M} 04'11
min. Earth dist.	6119 Nov 03 04:59	18° \mathbb{M} 30'33	0.62521 AU	evening set	6120 Oct 11 15:56	3° \mathbb{M} 58'39
inferior conj	6119 Nov 06 01:48	15° \mathbb{M} 47'57	-3°19'25	min. Earth dist.	6120 Oct 15 09:41	1° \mathbb{M} 20'31
minimum elong	6119 Nov 06 07:38	15° \mathbb{M} 34'06	3°17'25		6120 Oct 17 00:56	30° \mathbb{M}
morning rise	6119 Nov 13 03:39	10° \mathbb{M} 40'42		inferior conj	6120 Oct 18 14:13	28° \mathbb{M} 41'48
				minimum elong	6120 Oct 18 20:49	28° \mathbb{M} 28'03
						4°18'16

morning rise	6120 Oct 26 03:49	23° Ω 55'49		morning rise	6121 Oct 08 08:47	6° Ω 35'59	
direct	6120 Oct 28 10:43	23° Ω 35'35		direct	6121 Oct 10 18:10	6° Ω 17'33	
asc. node	6120 Nov 02 11:11	25° Ω 18'00		morning max el	6121 Oct 19 01:56	10° Ω 17'23	18°39'15
morning max el	6120 Nov 04 19:17	27° Ω 14'18	18°04'17	asc. node	6121 Oct 20 08:13	11° Ω 35'01	
	6120 Nov 07 06:42	0° \mathbb{M}			6121 Nov 01 01:22	0° \mathbb{M}	
morning set	6120 Nov 20 12:41	22° \mathbb{M} 07'57		morning set	6121 Nov 04 07:25	6° \mathbb{M} 15'12	
	6120 Nov 24 18:14	0° \mathbb{X}					
superior conj	6120 Nov 30 08:41	10° \mathbb{X} 10'17	0°55'08	superior conj	6121 Nov 13 00:35	23° \mathbb{M} 02'25	1°20'01
minimum elong	6120 Nov 30 12:23	10° \mathbb{X} 26'44	0°54'39	minimum elong	6121 Nov 13 03:59	23° \mathbb{M} 18'23	1°19'41
max. Earth dist.	6120 Dec 08 00:24	23° \mathbb{X} 22'55	1.41837 AU		6121 Nov 16 19:04	0° \mathbb{X}	
desc. node	6120 Dec 08 06:37	23° \mathbb{X} 48'52		max. Earth dist.	6121 Nov 20 06:51	6° \mathbb{X} 13'27	1.39777 AU
	6120 Dec 12 00:52	0° \mathbb{Z}		evening rise	6121 Nov 24 08:58	13° \mathbb{X} 14'40	
evening rise	6120 Dec 13 10:22	2° \mathbb{Z} 15'04		desc. node	6121 Nov 25 03:39	14° \mathbb{X} 32'58	
	6120 Dec 31 20:58	0° \approx			6121 Dec 04 19:54	0° \mathbb{Z}	
evening max el	6121 Jan 15 18:37	18° \approx 41'26	22°41'09	evening max el	6121 Dec 29 08:37	2° \approx 22'45	24°01'11
retrograde	6121 Jan 25 17:14	24° \approx 35'48		retrograde	6122 Jan 09 10:01	8° \approx 53'09	
asc. node	6121 Jan 29 10:25	23° \approx 24'40		evening set	6122 Jan 14 15:59	6° \approx 42'03	
evening set	6121 Jan 30 10:40	22° \approx 39'36		asc. node	6122 Jan 16 07:27	5° \approx 05'55	
inferior conj	6121 Feb 04 19:25	16° \approx 16'12	1°59'40	min. Earth dist.	6122 Jan 19 10:09	1° \approx 12'21	0.67999 AU
minimum elong	6121 Feb 04 17:12	16° \approx 23'56	1°58'57	inferior conj	6122 Jan 20 03:04	0° \approx 15'01	1°14'59
min. Earth dist.	6121 Feb 04 13:37	16° \approx 36'19	0.68211 AU	minimum elong	6122 Jan 20 01:25	0° \approx 20'35	1°14'23
morning rise	6121 Feb 09 23:37	10° \approx 07'26			6122 Jan 20 07:30	30° \mathbb{R} \mathbb{Z}	
direct	6121 Feb 14 12:43	8° \approx 15'11		morning rise	6122 Jan 25 10:53	24° \mathbb{Z} 11'33	
morning max el	6121 Feb 23 13:22	13° \approx 31'14	21°46'31	direct	6122 Jan 29 10:20	22° \mathbb{Z} 41'46	
desc. node	6121 Mar 06 05:53	26° \approx 36'15		morning max el	6122 Feb 06 09:01	27° \mathbb{Z} 13'53	20°28'44
	6121 Mar 08 16:32	0° \mathbb{H}			6122 Feb 08 22:25	0° \approx	
morning set	6121 Mar 27 22:42	29° \mathbb{H} 02'48		desc. node	6122 Feb 21 02:54	16° \approx 26'47	
	6121 Mar 28 13:00	0° \mathbb{Y}			6122 Mar 02 04:29	0° \mathbb{H}	
max. Earth dist.	6121 Apr 03 00:59	8° \mathbb{Y} 58'35	1.41601 AU	morning set	6122 Mar 07 00:36	7° \mathbb{H} 26'08	
				max. Earth dist.	6122 Mar 16 07:13	22° \mathbb{H} 04'58	1.43442 AU
superior conj	6121 Apr 10 16:30	22° \mathbb{Y} 01'44	-2°00'54		6122 Mar 21 03:48	0° \mathbb{Y}	
minimum elong	6121 Apr 10 20:57	22° \mathbb{Y} 21'12	2°00'38				
	6121 Apr 15 04:02	0° \mathbb{B}		superior conj	6122 Mar 22 16:08	2° \mathbb{Y} 30'29	-2°10'00
evening rise	6121 Apr 21 11:24	11° \mathbb{B} 31'57		minimum elong	6122 Mar 22 16:29	2° \mathbb{Y} 31'56	2°09'59
asc. node	6121 Apr 27 09:40	22° \mathbb{B} 18'14		evening rise	6122 Apr 04 01:14	23° \mathbb{Y} 44'11	
	6121 May 02 00:27	0° \mathbb{I}			6122 Apr 07 15:00	0° \mathbb{B}	
evening max el	6121 May 07 18:12	7° \mathbb{I} 23'14	18°11'49	asc. node	6122 Apr 14 06:42	11° \mathbb{B} 13'10	
retrograde	6121 May 14 16:54	10° \mathbb{I} 53'10		evening max el	6122 Apr 21 06:39	20° \mathbb{B} 32'04	18°06'43
evening set	6121 May 17 03:57	10° \mathbb{I} 27'28		retrograde	6122 Apr 27 18:04	23° \mathbb{B} 53'32	
inferior conj	6121 May 24 03:15	5° \mathbb{I} 40'44	2°23'34	evening set	6122 Apr 30 12:02	23° \mathbb{B} 16'30	
minimum elong	6121 May 24 06:35	5° \mathbb{I} 33'16	2°22'40	inferior conj	6122 May 06 20:31	18° \mathbb{B} 10'01	3°06'49
min. Earth dist.	6121 May 27 12:13	2° \mathbb{I} 41'06	0.59772 AU	minimum elong	6122 May 06 22:54	18° \mathbb{B} 03'52	3°06'24
morning rise	6121 May 31 06:26	29° \mathbb{B} 55'30		min. Earth dist.	6122 May 09 20:10	15° \mathbb{B} 07'40	0.61987 AU
	6121 May 31 03:26	30° \mathbb{R} \mathbb{B}		morning rise	6122 May 13 08:00	12° \mathbb{B} 07'32	
desc. node	6121 Jun 02 05:10	28° \mathbb{B} 55'43		direct	6122 May 20 02:59	9° \mathbb{B} 41'29	
direct	6121 Jun 06 16:53	27° \mathbb{B} 58'48		desc. node	6122 May 20 02:12	9° \mathbb{B} 41'29	
	6121 Jun 13 14:29	0° \mathbb{I}		morning max el	6122 Jun 03 06:33	17° \mathbb{B} 42'27	27°53'51
morning max el	6121 Jun 21 01:42	5° \mathbb{I} 51'56	27°35'30		6122 Jun 13 12:32	0° \mathbb{I}	
	6121 Jul 09 01:55	0° \mathbb{E}			6122 Jul 01 20:07	0° \mathbb{E}	
morning set	6121 Jul 22 18:36	25° \mathbb{E} 37'40		morning set	6122 Jul 06 20:34	9° \mathbb{E} 53'09	
asc. node	6121 Jul 24 08:56	28° \mathbb{E} 59'31		asc. node	6122 Jul 11 05:58	19° \mathbb{E} 04'46	
	6121 Jul 24 20:17	0° \mathbb{Q}		max. Earth dist.	6122 Jul 12 11:54	21° \mathbb{E} 45'57	1.32222 AU
max. Earth dist.	6121 Jul 29 03:57	9° \mathbb{Q} 24'08	1.31859 AU				
superior conj	6121 Jul 29 22:21	11° \mathbb{Q} 05'40	0°54'54	superior conj	6122 Jul 14 08:08	25° \mathbb{E} 46'23	0°31'34
minimum elong	6121 Jul 29 20:16	10° \mathbb{Q} 54'10	0°54'29	minimum elong	6122 Jul 14 06:44	25° \mathbb{E} 38'45	0°31'15
evening rise	6121 Aug 05 17:06	25° \mathbb{Q} 55'41			6122 Jul 16 06:27	0° \mathbb{Q}	
	6121 Aug 07 15:32	0° \mathbb{P}		evening rise	6122 Jul 21 04:34	10° \mathbb{Q} 41'53	
	6121 Aug 24 21:01	0° \mathbb{A}			6122 Jul 31 00:06	0° \mathbb{P}	
desc. node	6121 Aug 29 04:26	5° \mathbb{A} 30'48		evening max el	6122 Aug 15 06:30	20° \mathbb{P} 59'01	24°23'31
evening max el	6121 Sep 02 16:26	10° \mathbb{A} 18'53	25°51'20	desc. node	6122 Aug 16 01:28	21° \mathbb{P} 43'28	
retrograde	6121 Sep 16 15:21	17° \mathbb{A} 24'45		retrograde	6122 Aug 29 02:18	27° \mathbb{P} 56'18	
evening set	6121 Sep 22 21:16	15° \mathbb{A} 52'06		evening set	6122 Sep 03 01:58	27° \mathbb{P} 01'00	
min. Earth dist.	6121 Sep 27 04:52	13° \mathbb{A} 16'20	0.58438 AU	min. Earth dist.	6122 Sep 08 17:33	24° \mathbb{P} 08'55	0.56578 AU
inferior conj	6121 Sep 30 09:01	10° \mathbb{A} 59'01	-5°06'11	inferior conj	6122 Sep 11 07:44	22° \mathbb{P} 30'52	-5°23'13
minimum elong	6121 Sep 30 13:52	10° \mathbb{A} 50'14	5°05'32	minimum elong	6122 Sep 11 07:13	22° \mathbb{P} 31'41	5°23'13
				morning rise	6122 Sep 19 14:48	18° \mathbb{P} 28'46	

direct	6122 Sep 22 06:45	18° \mathbb{M} 09'42		inferior conj	6123 Aug 22 11:39	3° \mathbb{M} 17'05	-4°53'55
morning max el	6122 Oct 01 22:23	22° \mathbb{M} 41'24	19°36'02	minimum elong	6123 Aug 22 04:32	3° \mathbb{M} 27'16	4°52'43
asc. node	6122 Oct 07 05:16	28° \mathbb{M} 56'37			6123 Aug 29 03:09	30° \mathbb{R} \mathcal{Q}	
	6122 Oct 07 22:50	0° \mathcal{E}		morning rise	6123 Aug 30 23:33	29° \mathcal{Q} 27'23	
morning set	6122 Oct 19 09:59	20° \mathcal{E} 43'52		direct	6123 Sep 03 01:28	29° \mathcal{Q} 05'25	
	6122 Oct 24 00:05	0° \mathbb{M}			6123 Sep 07 18:11	0° \mathbb{M}	
				morning max el	6123 Sep 14 06:29	4° \mathbb{M} 19'04	20°54'40
superior conj	6122 Oct 27 08:19	6° \mathbb{M} 40'07	1°35'18	asc. node	6123 Sep 24 02:18	17° \mathbb{M} 08'33	
minimum elong	6122 Oct 27 10:26	6° \mathbb{M} 50'36	1°35'11		6123 Oct 01 01:29	0° \mathcal{E}	
max. Earth dist.	6122 Nov 02 11:51	18° \mathbb{M} 26'15	1.37660 AU	morning set	6123 Oct 03 17:37	5° \mathcal{E} 26'27	
evening rise	6122 Nov 06 05:52	25° \mathbb{M} 14'28					
	6122 Nov 08 23:15	0° \mathcal{X}		superior conj	6123 Oct 11 03:25	20° \mathcal{E} 50'45	1°42'10
desc. node	6122 Nov 12 00:42	5° \mathcal{X} 10'16		minimum elong	6123 Oct 11 04:03	20° \mathcal{E} 54'00	1°42'10
	6122 Nov 28 10:41	0° \mathcal{Z}			6123 Oct 15 16:30	0° \mathbb{M}	
evening max el	6122 Dec 11 21:31	16° \mathcal{Z} 07'45	25°17'10	max. Earth dist.	6123 Oct 15 20:48	0° \mathbb{M} 21'07	1.35718 AU
retrograde	6122 Dec 23 22:27	23° \mathcal{Z} 04'34		evening rise	6123 Oct 19 21:54	8° \mathbb{M} 06'20	
evening set	6122 Dec 29 17:41	20° \mathcal{Z} 40'11		desc. node	6123 Oct 29 21:44	25° \mathbb{M} 36'06	
min. Earth dist.	6123 Jan 03 04:24	15° \mathcal{Z} 44'48	0.67422 AU		6123 Nov 01 15:25	0° \mathcal{X}	
asc. node	6123 Jan 03 04:30	15° \mathcal{Z} 44'28		evening max el	6123 Nov 24 10:30	29° \mathcal{X} 51'54	26°21'39
inferior conj	6123 Jan 04 08:19	14° \mathcal{Z} 14'13	0°23'24		6123 Nov 24 13:52	0° \mathcal{Z}	
minimum elong	6123 Jan 04 07:44	14° \mathcal{Z} 16'07	0°23'11	retrograde	6123 Dec 07 05:39	7° \mathcal{Z} 04'06	
morning rise	6123 Jan 09 22:03	8° \mathcal{Z} 18'10		evening set	6123 Dec 13 13:56	4° \mathcal{Z} 29'36	
direct	6123 Jan 13 09:16	7° \mathcal{Z} 08'54		min. Earth dist.	6123 Dec 17 17:55	0° \mathcal{Z} 09'23	0.66492 AU
morning max el	6123 Jan 20 12:38	11° \mathcal{Z} 07'41	19°24'36		6123 Dec 17 21:02	30° \mathbb{R} \mathcal{X}	
greatest brilliancy	6123 Feb 02 15:17	28° \mathcal{Z} 31'40	-0.7m	inferior conj	6123 Dec 19 09:13	28° \mathcal{X} 09'50	-0°34'17
	6123 Feb 03 14:52	0° \approx		minimum elong	6123 Dec 19 10:09	28° \mathcal{X} 06'59	0°33'51
desc. node	6123 Feb 07 23:56	6° \approx 38'34		asc. node	6123 Dec 21 01:34	26° \mathcal{X} 09'52	
morning set	6123 Feb 13 22:46	15° \approx 47'41		morning rise	6123 Dec 25 07:00	22° \mathcal{X} 23'42	
	6123 Feb 23 01:58	0° \mathcal{H}		direct	6123 Dec 28 07:44	21° \mathcal{X} 31'47	
max. Earth dist.	6123 Feb 26 20:40	5° \mathcal{H} 56'44	1.44742 AU	morning max el	6124 Jan 03 23:15	25° \mathcal{X} 08'57	18°36'09
					6124 Jan 08 02:35	0° \mathcal{Z}	
superior conj	6123 Mar 02 14:49	11° \mathcal{H} 54'40	-2°01'27	morning set	6124 Jan 24 17:02	25° \mathcal{Z} 14'53	
minimum elong	6123 Mar 02 08:37	11° \mathcal{H} 29'56	2°01'08	desc. node	6124 Jan 25 20:57	27° \mathcal{Z} 05'16	
	6123 Mar 13 17:50	0° \mathcal{Y}			6124 Jan 27 17:12	0° \approx	
evening rise	6123 Mar 16 18:23	5° \mathcal{Y} 01'25					
asc. node	6123 Apr 01 03:45	29° \mathcal{Y} 34'35		superior conj	6124 Feb 09 20:14	20° \approx 37'23	-1°33'02
	6123 Apr 01 11:23	0° \mathcal{B}		minimum elong	6124 Feb 09 10:43	20° \approx 00'02	1°32'04
evening max el	6123 Apr 04 19:36	3° \mathcal{B} 55'22	18°20'21	max. Earth dist.	6124 Feb 09 15:00	20° \approx 16'51	1.45354 AU
retrograde	6123 Apr 11 05:46	7° \mathcal{B} 22'30			6124 Feb 15 19:33	0° \mathcal{H}	
evening set	6123 Apr 14 06:19	6° \mathcal{B} 32'48		evening rise	6124 Feb 25 12:10	15° \mathcal{H} 21'05	
inferior conj	6123 Apr 20 03:59	1° \mathcal{B} 07'38	3°26'47	greatest brilliancy	6124 Mar 04 22:43	28° \mathcal{H} 47'17	-0.8m
minimum elong	6123 Apr 20 04:52	1° \mathcal{B} 05'07	3°26'42		6124 Mar 05 17:11	0° \mathcal{Y}	
	6123 Apr 21 03:30	30° \mathbb{R} \mathcal{Y}		asc. node	6124 Mar 18 00:49	17° \mathcal{Y} 11'33	
min. Earth dist.	6123 Apr 22 13:14	28° \mathcal{Y} 24'22	0.64013 AU	evening max el	6124 Mar 18 06:22	17° \mathcal{Y} 25'48	18°51'56
morning rise	6123 Apr 26 02:28	24° \mathcal{Y} 56'19		retrograde	6124 Mar 24 23:57	21° \mathcal{Y} 11'17	
direct	6123 May 02 21:33	22° \mathcal{Y} 12'15		evening set	6124 Mar 28 07:24	20° \mathcal{Y} 08'06	
desc. node	6123 May 06 23:13	23° \mathcal{Y} 03'11		inferior conj	6124 Apr 02 21:46	14° \mathcal{Y} 25'54	3°28'51
	6123 May 16 10:57	0° \mathcal{B}		minimum elong	6124 Apr 02 21:14	14° \mathcal{Y} 27'36	3°28'49
morning max el	6123 May 16 15:19	0° \mathcal{B} 10'58	27°35'12	min. Earth dist.	6124 Apr 04 15:23	12° \mathcal{Y} 16'15	0.65684 AU
	6123 Jun 07 12:49	0° \mathbb{I}		morning rise	6124 Apr 08 10:37	8° \mathcal{Y} 10'51	
morning set	6123 Jun 20 14:59	23° \mathbb{I} 43'18		direct	6124 Apr 14 22:59	5° \mathcal{Y} 21'59	
	6123 Jun 23 17:44	0° \mathcal{E}		desc. node	6124 Apr 22 20:14	8° \mathcal{Y} 31'39	
max. Earth dist.	6123 Jun 25 13:10	3° \mathcal{E} 45'03	1.33046 AU	morning max el	6124 Apr 28 01:32	13° \mathcal{Y} 07'04	26°44'58
asc. node	6123 Jun 28 03:01	9° \mathcal{E} 11'52			6124 May 11 16:01	0° \mathcal{B}	
					6124 May 30 04:35	0° \mathbb{I}	
superior conj	6123 Jun 28 14:13	10° \mathcal{E} 11'44	0°04'50	morning set	6124 Jun 02 22:40	6° \mathbb{I} 58'51	
minimum elong	6123 Jun 28 13:59	10° \mathcal{E} 10'26	0°04'45	max. Earth dist.	6124 Jun 07 04:31	15° \mathbb{I} 15'24	1.34338 AU
behind sun begin	6123 Jun 28 08:48	9° \mathcal{E} 42'45					
behind sun end	6123 Jun 28 19:09	10° \mathcal{E} 38'08		superior conj	6124 Jun 11 14:23	24° \mathbb{I} 15'01	-0°24'28
evening rise	6123 Jul 05 16:12	25° \mathcal{E} 24'46		minimum elong	6124 Jun 11 15:43	24° \mathbb{I} 21'56	0°24'13
	6123 Jul 07 20:49	0° \mathcal{Q}		asc. node	6124 Jun 14 00:04	29° \mathbb{I} 16'38	
	6123 Jul 26 12:30	0° \mathbb{M}			6124 Jun 14 08:19	0° \mathcal{E}	
evening max el	6123 Jul 27 19:09	1° \mathbb{M} 17'55	22°45'24	evening rise	6124 Jun 19 02:02	9° \mathcal{E} 58'02	
desc. node	6123 Aug 02 22:29	5° \mathbb{M} 58'13			6124 Jun 29 15:02	0° \mathcal{Q}	
retrograde	6123 Aug 10 00:20	7° \mathbb{M} 53'15		evening max el	6124 Jul 08 14:37	11° \mathcal{Q} 49'33	21°12'52
evening set	6123 Aug 13 11:33	7° \mathbb{M} 26'57		desc. node	6124 Jul 19 19:29	17° \mathcal{Q} 42'51	
min. Earth dist.	6123 Aug 21 03:09	4° \mathbb{M} 03'32	0.55255 AU	retrograde	6124 Jul 20 13:44	17° \mathcal{Q} 44'15	

evening set	6124 Jul 22 21:13	17° Ω 31'48		desc. node	6125 Jul 06 16:31	26° Ω 46'32	
inferior conj	6124 Aug 01 05:00	13° Ω 33'35	-3°32'14	inferior conj	6125 Jul 12 02:02	23° Ω 51'10	-1°37'25
minimum elong	6124 Jul 31 20:09	13° Ω 46'00	3°29'34	minimum elong	6125 Jul 11 21:31	23° Ω 58'02	1°35'46
min. Earth dist.	6124 Aug 01 12:53	13° Ω 22'30	0.54754 AU	min. Earth dist.	6125 Jul 14 00:58	22° Ω 40'02	0.55217 AU
morning rise	6124 Aug 09 19:43	9° Ω 38'40		morning rise	6125 Jul 20 14:45	19° Ω 30'14	
direct	6124 Aug 13 10:15	9° Ω 10'43		direct	6125 Jul 24 22:50	18° Ω 49'01	
morning max el	6124 Aug 26 03:14	15° Ω 12'25	22°31'20	morning max el	6125 Aug 07 17:25	25° Ω 36'34	24°15'58
	6124 Sep 06 12:53	0° \mathbb{M}			6125 Aug 11 20:45	0° Ω	
asc. node	6124 Sep 09 23:21	5° \mathbb{M} 58'55		asc. node	6125 Aug 27 20:22	25° Ω 17'19	
morning set	6124 Sep 17 04:14	20° \mathbb{M} 16'59			6125 Aug 30 04:44	0° \mathbb{M}	
	6124 Sep 21 17:39	0° Ω		morning set	6125 Sep 01 15:56	5° \mathbb{M} 08'57	
superior conj	6124 Sep 24 06:22	5° Ω 24'06	1°41'50	superior conj	6125 Sep 08 14:22	20° \mathbb{M} 10'33	1°35'18
minimum elong	6124 Sep 24 05:41	5° Ω 20'28	1°41'49	minimum elong	6125 Sep 08 12:43	20° \mathbb{M} 01'36	1°35'09
max. Earth dist.	6124 Sep 27 13:29	12° Ω 19'04	1.34109 AU	max. Earth dist.	6125 Sep 10 14:25	24° \mathbb{M} 30'25	1.32918 AU
evening rise	6124 Oct 02 04:55	21° Ω 39'48			6125 Sep 13 04:27	0° Ω	
	6124 Oct 06 14:26	0° \mathbb{M}		evening rise	6125 Sep 15 23:01	5° Ω 43'32	
desc. node	6124 Oct 15 18:45	15° \mathbb{M} 44'46			6125 Sep 29 04:59	0° \mathbb{M}	
	6124 Oct 25 10:58	0° \mathbb{M}		desc. node	6125 Oct 02 15:46	5° \mathbb{M} 27'47	
evening max el	6124 Nov 05 23:19	13° \mathbb{M} 26'41	27°07'17	evening max el	6125 Oct 19 10:39	26° \mathbb{M} 39'40	27°27'21
retrograde	6124 Nov 19 07:11	20° \mathbb{M} 45'02			6125 Oct 23 08:50	0° \mathbb{M}	
evening set	6124 Nov 26 02:39	18° \mathbb{M} 06'01		retrograde	6125 Nov 02 02:31	3° \mathbb{M} 57'27	
min. Earth dist.	6124 Nov 30 00:26	14° \mathbb{M} 20'48	0.65210 AU	evening set	6125 Nov 09 05:03	1° \mathbb{M} 22'36	
inferior conj	6124 Dec 02 03:34	11° \mathbb{M} 57'40	-1°36'46		6125 Nov 10 22:28	30° \mathbb{M}	
minimum elong	6124 Dec 02 06:24	11° \mathbb{M} 49'44	1°35'34	min. Earth dist.	6125 Nov 12 21:56	28° \mathbb{M} 09'41	0.63586 AU
asc. node	6124 Dec 06 22:36	7° \mathbb{M} 18'54		inferior conj	6125 Nov 15 12:47	25° \mathbb{M} 30'46	-2°42'01
morning rise	6124 Dec 08 11:18	6° \mathbb{M} 24'18		minimum elong	6125 Nov 15 17:37	25° \mathbb{M} 18'31	2°40'10
direct	6124 Dec 11 03:33	5° \mathbb{M} 45'59		morning rise	6125 Nov 22 07:51	20° \mathbb{M} 13'13	
morning max el	6124 Dec 17 14:36	9° \mathbb{M} 12'16	18°04'21	asc. node	6125 Nov 23 19:37	19° \mathbb{M} 48'59	
	6124 Dec 31 22:47	0° \mathbb{M}		direct	6125 Nov 24 18:00	19° \mathbb{M} 44'42	
morning set	6125 Jan 04 16:55	6° \mathbb{M} 11'20		morning max el	6125 Dec 01 07:40	23° \mathbb{M} 09'23	17°49'46
desc. node	6125 Jan 11 18:00	17° \mathbb{M} 42'37			6125 Dec 06 17:33	0° \mathbb{M}	
superior conj	6125 Jan 19 03:06	29° \mathbb{M} 31'33	-0°50'17	morning set	6125 Dec 17 19:20	18° \mathbb{M} 24'41	
minimum elong	6125 Jan 18 21:00	29° \mathbb{M} 07'24	0°49'26		6125 Dec 24 13:40	0° \mathbb{M}	
	6125 Jan 19 10:17	0° \approx		desc. node	6125 Dec 29 15:01	8° \mathbb{M} 26'12	
max. Earth dist.	6125 Jan 22 10:45	4° \approx 45'46	1.45223 AU	superior conj	6125 Dec 30 05:16	9° \mathbb{M} 24'50	-0°04'14
evening rise	6125 Feb 04 09:14	24° \approx 54'20		minimum elong	6125 Dec 30 04:49	9° \mathbb{M} 22'56	0°04'09
	6125 Feb 07 16:23	0° \mathbb{M}		behind sun begin	6125 Dec 29 19:26	8° \mathbb{M} 44'23	
greatest brilliancy	6125 Feb 17 16:30	15° \mathbb{M} 15'09	-0.7m	behind sun end	6125 Dec 30 14:12	10° \mathbb{M} 01'26	
	6125 Feb 28 14:31	0° \mathbb{Y}		max. Earth dist.	6126 Jan 05 04:36	19° \mathbb{M} 04'25	1.44369 AU
evening max el	6125 Mar 01 12:53	0° \mathbb{Y} 59'19	19°40'07		6126 Jan 12 03:25	0° \approx	
asc. node	6125 Mar 04 21:50	3° \mathbb{Y} 51'24		evening rise	6126 Jan 14 19:52	4° \approx 08'50	
retrograde	6125 Mar 08 21:31	5° \mathbb{Y} 13'46			6126 Feb 01 03:51	0° \mathbb{M}	
evening set	6125 Mar 12 12:38	3° \mathbb{Y} 56'36		evening max el	6126 Feb 12 14:04	14° \mathbb{M} 34'19	20°42'42
	6125 Mar 16 09:34	30° \mathbb{M}		asc. node	6126 Feb 19 18:51	19° \mathbb{M} 19'41	
inferior conj	6125 Mar 17 22:41	27° \mathbb{M} 59'20	3°17'04	retrograde	6126 Feb 20 19:52	19° \mathbb{M} 25'27	
minimum elong	6125 Mar 17 21:05	28° \mathbb{M} 04'39	3°16'52	evening set	6126 Feb 24 20:01	17° \mathbb{M} 53'36	
min. Earth dist.	6125 Mar 19 01:26	26° \mathbb{M} 30'41	0.66935 AU	inferior conj	6126 Mar 02 04:07	11° \mathbb{M} 43'53	2°54'12
morning rise	6125 Mar 23 05:16	21° \mathbb{M} 43'38		minimum elong	6126 Mar 02 01:54	11° \mathbb{M} 51'29	2°53'43
direct	6125 Mar 29 06:34	19° \mathbb{M} 01'38		min. Earth dist.	6126 Mar 02 17:21	10° \mathbb{M} 58'23	0.67755 AU
desc. node	6125 Apr 09 17:16	25° \mathbb{M} 34'27		morning rise	6126 Mar 07 07:35	5° \mathbb{M} 29'35	
morning max el	6125 Apr 10 11:11	26° \mathbb{M} 19'03	25°31'34	direct	6126 Mar 12 19:23	3° \mathbb{M} 03'08	
	6125 Apr 13 20:49	0° \mathbb{Y}		morning max el	6126 Mar 23 19:55	9° \mathbb{M} 38'25	24°05'06
	6125 May 05 05:56	0° \mathbb{M}		desc. node	6126 Mar 27 14:17	13° \mathbb{M} 45'19	
morning set	6125 May 16 15:21	19° \mathbb{M} 27'58			6126 Apr 08 21:50	0° \mathbb{Y}	
max. Earth dist.	6125 May 20 08:41	26° \mathbb{M} 21'52	1.36076 AU		6126 Apr 27 22:36	0° \mathbb{M}	
	6125 May 22 06:24	0° \mathbb{M}		morning set	6126 Apr 28 11:38	0° \mathbb{M} 56'05	
superior conj	6125 May 26 05:52	7° \mathbb{M} 48'41	-0°54'55	max. Earth dist.	6126 May 02 04:57	7° \mathbb{M} 28'19	1.38161 AU
minimum elong	6125 May 26 09:00	8° \mathbb{M} 04'22	0°54'23	superior conj	6126 May 09 09:17	20° \mathbb{M} 44'23	-1°24'27
asc. node	6125 May 31 21:05	19° \mathbb{M} 14'50		minimum elong	6126 May 09 14:01	21° \mathbb{M} 06'57	1°23'49
evening rise	6125 Jun 03 07:52	24° \mathbb{M} 14'58			6126 May 14 03:59	0° \mathbb{M}	
	6125 Jun 06 04:34	0° \mathbb{M}		evening rise	6126 May 18 07:07	8° \mathbb{M} 08'26	
evening max el	6125 Jun 20 22:19	22° \mathbb{M} 58'35	19°56'19	asc. node	6126 May 18 18:06	9° \mathbb{M} 02'24	
retrograde	6125 Jul 01 05:02	28° \mathbb{M} 01'09			6126 May 30 16:19	0° \mathbb{M}	
evening set	6125 Jul 03 02:26	27° \mathbb{M} 51'38		evening max el	6126 Jun 03 18:21	4° \mathbb{M} 51'20	18°59'47

retrograde	6126 Jun 12 09:47	9°☿05'58		evening max el	6127 May 17 23:34	17°♊20'22	18°23'36
evening set	6126 Jun 14 09:56	8°☿53'10		retrograde	6127 May 25 09:28	21°♊01'35	
inferior conj	6126 Jun 22 15:25	4°☿38'25	0°16'23	evening set	6127 May 27 16:35	20°♊41'19	
minimum elong	6126 Jun 22 16:05	4°☿37'16	0°16'06	inferior conj	6127 Jun 04 02:10	16°♊06'28	1°45'53
desc. node	6126 Jun 23 13:31	3°☿59'39		minimum elong	6127 Jun 04 05:19	16°♊00'00	1°44'53
min. Earth dist.	6126 Jun 25 16:24	2°☿31'45	0.56563 AU	min. Earth dist.	6127 Jun 07 12:19	13°♊19'47	0.58518 AU
	6126 Jun 30 01:40	30°♋♊		desc. node	6127 Jun 10 10:33	11°♊16'45	
morning rise	6126 Jun 30 18:55	29°♊41'25		morning rise	6127 Jun 11 14:53	10°♊36'26	
direct	6126 Jul 06 00:56	28°♊36'06		direct	6127 Jun 17 16:59	8°♊59'02	
	6126 Jul 12 00:47	0°☿		morning max el	6127 Jul 02 02:14	16°♊42'57	27°07'45
morning max el	6126 Jul 20 07:28	5°☿58'15	25°53'17		6127 Jul 13 00:20	0°☿	
	6126 Aug 06 20:55	0°♊			6127 Jul 30 06:35	0°♊	
asc. node	6126 Aug 14 17:24	14°♊56'25		morning set	6127 Aug 01 12:14	4°♊37'51	
morning set	6126 Aug 17 03:09	19°♊57'46		asc. node	6127 Aug 01 14:25	4°♊49'22	
	6126 Aug 21 18:12	0°♎					
superior conj	6126 Aug 24 01:13	5°♎03'22	1°23'20	superior conj	6127 Aug 08 13:02	19°♊55'39	1°06'33
minimum elong	6126 Aug 23 23:02	4°♎51'19	1°23'03	minimum elong	6127 Aug 08 10:47	19°♊43'10	1°06'10
max. Earth dist.	6126 Aug 24 21:53	6°♎57'09	1.32171 AU	max. Earth dist.	6127 Aug 08 08:39	19°♊31'23	1.31853 AU
evening rise	6126 Aug 31 01:06	20°♎09'02			6127 Aug 13 02:54	0°♎	
	6126 Sep 04 22:44	0°♊		evening rise	6127 Aug 15 08:31	4°♎47'49	
desc. node	6126 Sep 19 12:46	24°♊34'44			6127 Aug 28 16:01	0°♊	
	6126 Sep 23 12:02	0°♎		desc. node	6127 Sep 06 09:48	12°♊51'06	
evening max el	6126 Oct 01 18:28	9°♎18'52	27°16'12	evening max el	6127 Sep 13 20:06	21°♊12'43	26°31'24
retrograde	6126 Oct 15 14:48	16°♎31'50		retrograde	6127 Sep 27 18:25	28°♊20'17	
evening set	6126 Oct 22 17:35	14°♎12'26		evening set	6127 Oct 04 11:42	26°♊27'59	
min. Earth dist.	6126 Oct 26 09:07	11°♎24'42	0.61685 AU	min. Earth dist.	6127 Oct 08 09:45	23°♊52'53	0.59623 AU
inferior conj	6126 Oct 29 09:49	8°♎41'42	-3°46'07	inferior conj	6127 Oct 11 15:12	21°♊21'21	-4°42'04
minimum elong	6126 Oct 29 16:11	8°♎27'23	3°44'09	minimum elong	6127 Oct 11 21:28	21°♊09'02	4°40'47
morning rise	6126 Nov 05 16:46	3°♎43'03		morning rise	6127 Oct 19 09:22	16°♊44'37	
direct	6126 Nov 07 23:46	3°♎20'45		direct	6127 Oct 21 16:51	16°♊25'24	
asc. node	6126 Nov 10 16:39	3°♎52'58		asc. node	6127 Oct 28 13:42	19°♊25'07	
morning max el	6126 Nov 14 23:18	6°♎52'13	17°53'22	morning max el	6127 Oct 29 10:09	20°♊12'03	18°16'29
	6126 Nov 29 20:50	0°♋			6127 Nov 05 18:03	0°♎	
morning set	6126 Nov 30 17:49	1°♋35'08		morning set	6127 Nov 14 06:31	15°♎25'43	
					6127 Nov 22 00:19	0°♋	
superior conj	6126 Dec 11 09:34	20°♋33'52	0°36'09	superior conj	6127 Nov 23 13:58	2°♋52'30	1°06'55
minimum elong	6126 Dec 11 12:34	20°♋46'47	0°35'45	minimum elong	6127 Nov 23 17:43	3°♋09'37	1°06'29
desc. node	6126 Dec 16 12:01	29°♋12'39		max. Earth dist.	6127 Dec 01 04:18	16°♋16'04	1.40990 AU
	6126 Dec 16 23:25	0°♋		desc. node	6127 Dec 03 09:03	19°♋58'35	
max. Earth dist.	6126 Dec 18 18:44	2°♋58'30	1.42901 AU	evening rise	6127 Dec 05 21:36	24°♋08'53	
evening rise	6126 Dec 25 11:47	13°♋43'45			6127 Dec 09 12:47	0°♋	
	6127 Jan 05 04:03	0°♋			6127 Dec 30 01:49	0°♋	
evening max el	6127 Jan 26 10:00	28°♋11'12	21°56'04	evening max el	6128 Jan 09 01:46	11°♋51'19	23°15'17
	6127 Jan 28 07:41	0°♋		retrograde	6128 Jan 19 11:47	18°♋01'11	
retrograde	6127 Feb 04 17:07	3°♋42'20		evening set	6128 Jan 24 10:29	15°♋58'35	
asc. node	6127 Feb 06 15:52	3°♋22'24		asc. node	6128 Jan 24 12:55	15°♋53'26	
evening set	6127 Feb 09 03:48	1°♋55'14		inferior conj	6128 Jan 29 20:06	9°♋33'24	1°41'38
	6127 Feb 11 02:48	30°♋♋		minimum elong	6128 Jan 29 18:03	9°♋40'25	1°40'55
inferior conj	6127 Feb 14 11:52	25°♋36'02	2°22'00	min. Earth dist.	6128 Jan 29 09:33	10°♋09'39	0.68173 AU
minimum elong	6127 Feb 14 09:31	25°♋44'12	2°21'18	morning rise	6128 Feb 04 01:33	3°♋26'47	
min. Earth dist.	6127 Feb 14 12:49	25°♋32'45	0.68162 AU	direct	6128 Feb 08 08:49	1°♋44'02	
morning rise	6127 Feb 19 15:03	19°♋24'47		morning max el	6128 Feb 16 21:28	6°♋39'42	21°11'57
direct	6127 Feb 24 12:31	17°♋19'11		desc. node	6128 Feb 29 08:20	22°♋19'44	
morning max el	6127 Mar 06 06:03	23°♋03'48	22°35'41		6128 Mar 05 15:56	0°♋	
	6127 Mar 12 07:46	0°♋		morning set	6128 Mar 18 19:43	20°♋01'56	
desc. node	6127 Mar 14 11:19	2°♋44'48			6128 Mar 25 01:16	0°♋	
	6127 Apr 02 06:43	0°♋		max. Earth dist.	6128 Mar 26 03:31	1°♋47'08	1.42447 AU
morning set	6127 Apr 09 05:36	11°♋07'23					
max. Earth dist.	6127 Apr 14 01:01	19°♋09'27	1.40383 AU	superior conj	6128 Apr 02 10:04	13°♋57'57	-2°06'34
	6127 Apr 20 06:15	0°♋		minimum elong	6128 Apr 02 13:13	14°♋11'29	2°06'28
					6128 Apr 11 12:53	0°♋	
superior conj	6127 Apr 21 20:17	2°♋50'55	-1°49'53	evening rise	6128 Apr 13 20:20	4°♋09'43	
minimum elong	6127 Apr 22 01:30	3°♋14'30	1°49'25	asc. node	6128 Apr 21 12:09	17°♋44'04	
evening rise	6127 May 01 20:34	21°♋29'27			6128 Apr 30 03:35	0°♋	
asc. node	6127 May 05 15:07	28°♋33'55		evening max el	6128 Apr 30 10:19	0°♋16'53	18°07'14
	6127 May 06 09:50	0°♋		retrograde	6128 May 07 02:45	3°♋41'16	

evening set	6128 May 09 16:54	3° Π 10'48		asc. node	6129 Apr 08 09:12	6° \mathcal{B} 25'42	
	6128 May 14 11:52	30° \mathcal{R} \mathcal{B}		evening max el	6129 Apr 13 23:16	13° \mathcal{B} 32'11	18°10'10
inferior conj	6128 May 16 09:21	28° \mathcal{B} 15'12	2°45'09	retrograde	6129 Apr 20 09:06	16° \mathcal{B} 54'45	
minimum elong	6128 May 16 12:26	28° \mathcal{B} 07'53	2°44'26	evening set	6129 Apr 23 05:49	16° \mathcal{B} 12'29	
min. Earth dist.	6128 May 19 15:09	25° \mathcal{B} 11'46	0.60730 AU	inferior conj	6129 Apr 29 09:12	10° \mathcal{B} 57'36	3°17'47
morning rise	6128 May 23 05:40	22° \mathcal{B} 21'35		minimum elong	6129 Apr 29 10:58	10° \mathcal{B} 52'48	3°17'32
desc. node	6128 May 27 07:36	20° \mathcal{B} 30'41		min. Earth dist.	6129 May 02 02:58	8° \mathcal{B} 01'10	0.62882 AU
direct	6128 May 29 20:49	20° \mathcal{B} 11'40		morning rise	6129 May 05 14:44	4° \mathcal{B} 50'16	
morning max el	6128 Jun 13 03:43	28° \mathcal{B} 08'14	27°48'03	direct	6129 May 12 10:29	2° \mathcal{B} 15'13	
	6128 Jun 14 23:00	0° Π		desc. node	6129 May 14 04:38	2° \mathcal{B} 24'39	
	6128 Jul 05 19:05	0° \mathcal{E}		morning max el	6129 May 26 10:49	10° \mathcal{B} 16'43	27°50'19
morning set	6128 Jul 15 17:24	19° \mathcal{E} 03'52			6129 Jun 10 20:44	0° Π	
asc. node	6128 Jul 18 11:27	24° \mathcal{E} 51'10			6129 Jun 28 02:29	0° \mathcal{E}	
	6128 Jul 20 20:39	0° Ω		morning set	6129 Jun 29 16:32	3° \mathcal{E} 09'44	
max. Earth dist.	6128 Jul 21 18:56	2° Ω 01'43	1.31962 AU	max. Earth dist.	6129 Jul 05 00:43	14° \mathcal{E} 15'58	1.32513 AU
				asc. node	6129 Jul 05 08:30	14° \mathcal{E} 57'35	
superior conj	6128 Jul 23 00:04	4° Ω 41'48	0°45'27	superior conj	6129 Jul 07 08:32	19° \mathcal{E} 16'31	0°20'36
minimum elong	6128 Jul 22 22:13	4° Ω 31'36	0°45'04	minimum elong	6129 Jul 07 07:34	19° \mathcal{E} 11'18	0°20'22
evening rise	6128 Jul 29 19:05	19° Ω 32'53			6129 Jul 12 06:49	0° Ω	
	6128 Aug 03 20:56	0° \mathcal{M}		evening rise	6129 Jul 14 06:53	4° Ω 18'22	
desc. node	6128 Aug 23 06:49	29° \mathcal{M} 56'22			6129 Jul 28 00:23	0° \mathcal{M}	
	6128 Aug 23 08:10	0° \mathcal{A}		evening max el	6129 Aug 07 02:08	12° \mathcal{M} 42'43	23°42'00
evening max el	6128 Aug 25 13:49	2° \mathcal{A} 16'18	25°16'17	desc. node	6129 Aug 10 03:51	15° \mathcal{M} 23'08	
retrograde	6128 Sep 08 11:48	9° \mathcal{A} 18'55		retrograde	6129 Aug 20 17:34	19° \mathcal{M} 33'39	
evening set	6128 Sep 14 06:38	8° \mathcal{A} 02'11		evening set	6129 Aug 25 01:48	18° \mathcal{M} 52'11	
min. Earth dist.	6128 Sep 19 01:24	5° \mathcal{A} 21'57	0.57603 AU	min. Earth dist.	6129 Aug 31 12:08	15° \mathcal{M} 48'27	0.55924 AU
inferior conj	6128 Sep 22 01:36	3° \mathcal{A} 19'28	-5°18'04	inferior conj	6129 Sep 02 15:47	14° \mathcal{M} 30'54	-5°17'20
minimum elong	6128 Sep 22 04:35	3° \mathcal{A} 14'22	5°17'50	minimum elong	6129 Sep 02 12:17	14° \mathcal{M} 36'11	5°17'03
	6128 Sep 27 15:21	30° \mathcal{R} \mathcal{M}		morning rise	6129 Sep 11 01:12	10° \mathcal{M} 36'08	
morning rise	6128 Sep 30 04:49	29° \mathcal{M} 05'59		direct	6129 Sep 13 20:58	10° \mathcal{M} 16'14	
direct	6128 Oct 02 16:46	28° \mathcal{M} 47'25		morning max el	6129 Sep 24 04:14	15° \mathcal{M} 04'22	20°07'03
	6128 Oct 07 11:09	0° \mathcal{A}		asc. node	6129 Oct 01 07:49	23° \mathcal{M} 55'39	
morning max el	6128 Oct 11 12:47	2° \mathcal{A} 59'03	19°00'45		6129 Oct 05 00:04	0° \mathcal{A}	
asc. node	6128 Oct 14 10:46	6° \mathcal{A} 11'04		morning set	6129 Oct 12 10:02	14° \mathcal{A} 18'44	
morning set	6128 Oct 28 05:00	29° \mathcal{A} 43'14					
	6128 Oct 28 08:24	0° \mathcal{M}		superior conj	6129 Oct 20 02:21	29° \mathcal{A} 59'21	1°39'10
superior conj	6128 Nov 05 13:14	16° \mathcal{M} 05'45	1°27'36	minimum elong	6129 Oct 20 03:51	0° \mathcal{M} 06'50	1°39'06
minimum elong	6128 Nov 05 16:10	16° \mathcal{M} 19'46	1°27'22		6129 Oct 20 02:29	0° \mathcal{M}	
max. Earth dist.	6128 Nov 12 10:04	28° \mathcal{M} 50'56	1.38869 AU	max. Earth dist.	6129 Oct 25 15:57	10° \mathcal{M} 52'44	1.36796 AU
	6128 Nov 13 01:32	0° \mathcal{A}		evening rise	6129 Oct 29 11:26	17° \mathcal{M} 57'24	
evening rise	6128 Nov 16 05:54	5° \mathcal{A} 34'14			6129 Nov 05 09:31	0° \mathcal{A}	
desc. node	6128 Nov 19 06:03	10° \mathcal{A} 39'57		desc. node	6129 Nov 06 03:05	1° \mathcal{A} 12'53	
	6128 Dec 01 14:08	0° \mathcal{B}			6129 Nov 25 20:55	0° \mathcal{B}	
evening max el	6128 Dec 21 15:05	25° \mathcal{B} 34'11	24°34'21	evening max el	6129 Dec 04 03:43	9° \mathcal{B} 18'42	25°46'18
	6128 Dec 26 21:16	0° \approx		retrograde	6129 Dec 16 13:10	16° \mathcal{B} 24'01	
retrograde	6129 Jan 02 02:46	2° \approx 16'45		evening set	6129 Dec 22 14:07	13° \mathcal{B} 54'31	
evening set	6129 Jan 07 14:29	29° \mathcal{B} 59'28		min. Earth dist.	6129 Dec 26 21:46	9° \mathcal{B} 14'09	0.67074 AU
	6129 Jan 07 14:14	30° \mathcal{R} \mathcal{B}		inferior conj	6129 Dec 28 06:35	7° \mathcal{B} 30'19	-0°00'24
asc. node	6129 Jan 10 09:59	27° \mathcal{B} 03'04		minimum elong	6129 Dec 28 06:35	7° \mathcal{B} 30'18	0°00'21
min. Earth dist.	6129 Jan 12 05:17	24° \mathcal{B} 44'34	0.67804 AU	transit middle	6129 Dec 28 06:35	7° \mathcal{B} 30'18	0°00'21
inferior conj	6129 Jan 13 02:56	23° \mathcal{B} 32'23	0°53'54	transit begin	6129 Dec 28 03:46	7° \mathcal{B} 39'15	
minimum elong	6129 Jan 13 01:41	23° \mathcal{B} 36'33	0°53'26	transit end	6129 Dec 28 09:24	7° \mathcal{B} 21'22	
morning rise	6129 Jan 18 13:02	17° \mathcal{B} 32'06		asc. node	6129 Dec 28 07:03	7° \mathcal{B} 28'49	
direct	6129 Jan 22 07:07	16° \mathcal{B} 11'27		morning rise	6130 Jan 02 23:32	1° \mathcal{B} 38'18	
morning max el	6129 Jan 29 20:37	20° \mathcal{B} 27'34	19°59'38	direct	6130 Jan 06 05:56	0° \mathcal{B} 37'03	
	6129 Feb 06 16:26	0° \approx		morning max el	6130 Jan 13 03:30	4° \mathcal{B} 25'26	19°01'56
desc. node	6129 Feb 15 05:21	12° \approx 19'48			6130 Jan 31 09:35	0° \approx	
morning set	6129 Feb 25 16:53	28° \approx 15'21		desc. node	6130 Feb 02 02:22	2° \approx 38'09	
	6129 Feb 26 19:59	0° \mathcal{H}		morning set	6130 Feb 04 21:13	6° \approx 58'04	
max. Earth dist.	6129 Mar 08 13:27	15° \mathcal{H} 16'00	1.44076 AU	max. Earth dist.	6130 Feb 19 04:55	29° \approx 20'19	1.45091 AU
					6130 Feb 19 15:01	0° \mathcal{H}	
superior conj	6129 Mar 13 22:47	23° \mathcal{H} 57'31	-2°08'47	superior conj	6130 Feb 21 12:23	2° \mathcal{H} 58'45	-1°51'42
minimum elong	6129 Mar 13 20:25	23° \mathcal{H} 47'53	2°08'44	minimum elong	6130 Feb 21 03:59	2° \mathcal{H} 25'36	1°51'03
	6129 Mar 17 14:56	0° \mathcal{Y}		evening rise	6130 Mar 08 09:09	26° \mathcal{H} 51'28	
evening rise	6129 Mar 27 01:53	15° \mathcal{Y} 59'25			6130 Mar 10 07:16	0° \mathcal{Y}	
	6129 Apr 04 07:32	0° \mathcal{B}					


































































































































asc. node	6130 Mar 26 06:15	24°♈29'26		max. Earth dist.	6131 Feb 01 23:45	13°♊44'40	1.45389 AU
evening max el	6130 Mar 28 11:30	26°♈58'38	18°31'40		6131 Feb 12 09:02	0°♋	
	6130 Apr 01 13:27	0°♌		evening rise	6131 Feb 16 17:21	6°♋48'54	
retrograde	6130 Apr 04 00:00	0°♌32'28		greatest brilliancy	6131 Feb 27 10:56	23°♋35'23	-0.8m
	6130 Apr 06 09:40	30°♌♈			6131 Mar 03 17:00	0°♈	
evening set	6130 Apr 07 03:19	29°♈37'18		evening max el	6131 Mar 11 20:42	10°♈31'17	19°10'34
inferior conj	6130 Apr 12 21:30	24°♈04'46	3°29'33	asc. node	6131 Mar 13 03:17	11°♈44'09	
minimum elong	6130 Apr 12 21:44	24°♈04'03	3°29'32	retrograde	6131 Mar 18 19:52	14°♈27'47	
min. Earth dist.	6130 Apr 15 00:10	21°♈34'10	0.64769 AU	evening set	6131 Mar 22 06:26	13°♈18'50	
morning rise	6130 Apr 18 15:25	17°♈51'05		inferior conj	6131 Mar 27 18:40	7°♈30'15	3°25'19
direct	6130 Apr 25 08:16	15°♈03'10		minimum elong	6131 Mar 27 17:37	7°♈33'37	3°25'14
desc. node	6130 May 01 01:40	16°♈43'57		min. Earth dist.	6131 Mar 29 05:55	5°♈37'12	0.66273 AU
morning max el	6130 May 08 20:37	22°♈58'42	27°17'12	morning rise	6131 Apr 02 04:27	1°♈14'40	
	6130 May 15 01:46	0°♉			6131 Apr 03 18:39	30°♌♋	
	6130 Jun 04 03:39	0°♊		direct	6131 Apr 08 12:40	28°♌27'06	
morning set	6130 Jun 13 06:48	16°♊46'21			6131 Apr 13 18:49	0°♈	
max. Earth dist.	6130 Jun 17 21:55	26°♊02'11	1.33532 AU	desc. node	6131 Apr 17 22:40	2°♈56'15	
	6130 Jun 19 19:50	0°♋		morning max el	6131 Apr 21 06:32	6°♈02'21	26°15'53
					6131 May 09 17:31	0°♌	
superior conj	6130 Jun 21 12:21	3°♋33'00	-0°07'22	morning set	6131 May 27 08:39	29°♌43'47	
minimum elong	6130 Jun 21 12:44	3°♋35'02	0°07'20		6131 May 27 12:07	0°♊	
behind sun begin	6130 Jun 21 07:47	3°♋08'51		max. Earth dist.	6131 May 31 08:04	7°♊19'16	1.35027 AU
behind sun end	6130 Jun 21 17:42	4°♋01'14					
asc. node	6130 Jun 22 05:30	5°♋03'49		superior conj	6131 Jun 05 09:11	17°♊24'51	-0°37'20
evening rise	6130 Jun 28 17:57	18°♋57'23		minimum elong	6131 Jun 05 11:16	17°♊35'32	0°36'58
	6130 Jul 04 04:26	0°♌		asc. node	6131 Jun 09 02:31	25°♊06'21	
evening max el	6130 Jul 19 16:38	23°♌02'33	22°04'37		6131 Jun 11 10:54	0°♋	
desc. node	6130 Jul 28 00:54	28°♌37'09		evening rise	6131 Jun 13 02:19	3°♋24'20	
retrograde	6130 Aug 01 11:21	29°♌23'11			6131 Jun 28 07:40	0°♌	
evening set	6130 Aug 04 08:29	29°♌04'44		evening max el	6131 Jul 01 17:07	3°♌48'38	20°38'00
min. Earth dist.	6130 Aug 12 21:49	25°♌23'32	0.54922 AU	retrograde	6131 Jul 12 23:25	9°♌20'52	
inferior conj	6130 Aug 13 13:43	25°♌01'12	-4°25'10	desc. node	6131 Jul 14 21:54	9°♌11'43	
minimum elong	6130 Aug 13 05:00	25°♌13'27	4°23'10	evening set	6131 Jul 15 00:36	9°♌10'39	
morning rise	6130 Aug 22 03:05	21°♌11'31		inferior conj	6131 Jul 24 06:45	5°♌13'44	-2°45'33
direct	6130 Aug 25 09:39	20°♌47'42		minimum elong	6131 Jul 23 23:15	5°♌24'30	2°43'00
morning max el	6130 Sep 06 07:13	26°♌22'10	21°34'04	min. Earth dist.	6131 Jul 25 08:28	4°♌36'51	0.54839 AU
	6130 Sep 09 17:48	0°♍		morning rise	6131 Aug 01 21:23	1°♌09'44	
asc. node	6130 Sep 18 04:50	12°♍24'41		direct	6131 Aug 05 19:00	0°♌37'02	
morning set	6130 Sep 26 19:08	29°♍04'36		morning max el	6131 Aug 19 00:12	6°♌59'22	23°15'37
	6130 Sep 27 05:45	0°♎			6131 Sep 04 07:09	0°♍	
				asc. node	6131 Sep 05 01:50	1°♍27'33	
superior conj	6130 Oct 04 01:09	14°♎20'16	1°42'50	morning set	6131 Sep 11 06:21	13°♍55'32	
minimum elong	6130 Oct 04 01:11	14°♎20'29	1°42'50				
max. Earth dist.	6130 Oct 08 03:25	22°♎44'08	1.34981 AU	superior conj	6131 Sep 18 06:29	28°♍59'20	1°39'46
	6130 Oct 11 20:07	0°♏		minimum elong	6131 Sep 18 05:21	28°♍53'12	1°39'42
evening rise	6130 Oct 12 10:18	1°♏07'54			6131 Sep 18 17:48	0°♎	
desc. node	6130 Oct 24 00:07	21°♏31'51		max. Earth dist.	6131 Sep 20 23:43	4°♎46'29	1.33553 AU
	6130 Oct 29 10:25	0°♐		evening rise	6131 Sep 25 22:27	14°♎55'01	
evening max el	6130 Nov 16 16:39	22°♐59'44	26°43'50		6131 Oct 03 23:30	0°♏	
	6130 Nov 27 12:22	0°♑		desc. node	6131 Oct 10 21:09	11°♏30'14	
retrograde	6130 Nov 29 18:15	0°♑16'16			6131 Oct 24 05:10	0°♐	
	6130 Dec 01 21:59	30°♑♐		evening max el	6131 Oct 30 05:17	6°♐27'07	27°19'29
evening set	6130 Dec 06 07:27	27°♐39'07		retrograde	6131 Nov 12 17:08	13°♐45'23	
min. Earth dist.	6130 Dec 10 08:42	23°♐33'41	0.65984 AU	evening set	6131 Nov 19 16:06	11°♐07'20	
inferior conj	6130 Dec 12 04:59	21°♐23'14	-1°00'18	min. Earth dist.	6131 Nov 23 11:43	7°♐36'07	0.64552 AU
minimum elong	6130 Dec 12 06:41	21°♐18'13	0°59'32	inferior conj	6131 Nov 25 19:47	5°♐05'26	-2°04'19
asc. node	6130 Dec 15 04:05	18°♐06'21		minimum elong	6131 Nov 25 23:28	4°♐55'29	2°02'48
morning rise	6130 Dec 18 06:47	15°♐42'01			6131 Dec 01 14:23	30°♑♏	
direct	6130 Dec 21 03:33	14°♐56'27		morning rise	6131 Dec 02 08:09	29°♏38'04	
morning max el	6130 Dec 27 16:26	18°♐28'10	18°20'29	asc. node	6131 Dec 02 01:06	29°♏46'08	
	6131 Jan 05 10:05	0°♒		direct	6131 Dec 04 21:31	29°♏04'18	
morning set	6131 Jan 16 03:55	17°♒03'07			6131 Dec 08 04:39	0°♐	
desc. node	6131 Jan 19 23:23	23°♒09'48		morning max el	6131 Dec 11 08:47	2°♐28'57	17°55'59
	6131 Jan 24 06:24	0°♓		morning set	6131 Dec 28 15:53	28°♐34'52	
					6131 Dec 29 12:10	0°♑	
superior conj	6131 Jan 31 15:57	11°♓40'00	-1°16'04	desc. node	6132 Jan 06 20:24	13°♑50'01	
minimum elong	6131 Jan 31 07:11	11°♓05'39	1°15'00				

superior conj	6132 Jan 11 05:20	20° Z 54'38	-0°30'30	behind sun begin	6132 Dec 21 15:07	1° Z 05'57	
minimum elong	6132 Jan 11 01:43	20° Z 40'06	0°29'57	behind sun end	6132 Dec 22 00:38	1° Z 45'48	
max. Earth dist.	6132 Jan 15 19:18	28° Z 12'19	1.44945 AU	desc. node	6132 Dec 23 17:26	4° Z 35'27	
	6132 Jan 16 22:37	0° \approx		max. Earth dist.	6132 Dec 28 12:26	12° Z 24'46	1.43812 AU
evening rise	6132 Jan 27 08:17	16° \approx 10'05		evening rise	6133 Jan 05 19:22	25° Z 29'16	
	6132 Feb 05 10:02	0° H			6133 Jan 08 17:49	0° \approx	
greatest brilliancy	6132 Feb 11 00:27	8° H 20'42	-0.6m		6133 Jan 29 11:48	0° H	
evening max el	6132 Feb 23 01:09	24° H 06'04	20°05'11	evening max el	6133 Feb 05 00:03	7° H 41'56	21°12'44
asc. node	6132 Feb 28 00:19	27° H 55'39		retrograde	6133 Feb 13 16:04	12° H 49'43	
retrograde	6132 Mar 01 17:55	28° H 34'51		asc. node	6133 Feb 13 21:21	12° H 49'28	
evening set	6132 Mar 05 12:49	27° H 11'23		evening set	6133 Feb 17 20:36	11° H 11'11	
inferior conj	6132 Mar 10 21:47	21° H 08'40	3°08'35	inferior conj	6133 Feb 23 04:28	4° H 56'54	2°41'36
minimum elong	6132 Mar 10 19:52	21° H 15'08	3°08'15	minimum elong	6133 Feb 23 02:08	5° H 04'57	2°41'01
min. Earth dist.	6132 Mar 11 18:36	19° H 58'26	0.67344 AU	min. Earth dist.	6133 Feb 23 12:15	4° H 29'56	0.67983 AU
morning rise	6132 Mar 16 02:42	14° H 53'37			6133 Feb 27 00:51	30° R \approx	
direct	6132 Mar 21 22:34	12° H 17'22		morning rise	6133 Feb 28 07:30	28° \approx 43'54	
morning max el	6132 Apr 02 15:31	19° H 17'29	24°55'42	direct	6133 Mar 05 13:12	26° \approx 26'08	
desc. node	6132 Apr 03 19:41	20° H 30'37			6133 Mar 13 03:28	0° H	
	6132 Apr 11 17:44	0° Y		morning max el	6133 Mar 16 00:36	2° H 39'55	23°26'53
	6132 May 01 20:20	0° B		desc. node	6133 Mar 21 16:43	9° H 04'15	
morning set	6132 May 08 17:18	11° B 48'17			6133 Apr 05 19:53	0° Y	
max. Earth dist.	6132 May 12 08:14	18° B 21'59	1.36941 AU	morning set	6133 Apr 20 03:03	22° Y 45'19	
	6132 May 18 11:06	0° II		max. Earth dist.	6133 Apr 24 03:58	29° Y 41'35	1.39114 AU
					6133 Apr 24 08:11	0° B	
superior conj	6132 May 18 20:00	0° II 43'31	-1°07'44				
minimum elong	6132 May 18 23:53	1° II 02'32	1°07'06	superior conj	6133 May 01 17:01	13° B 19'35	-1°36'00
asc. node	6132 May 25 23:33	15° II 00'35		minimum elong	6133 May 01 22:10	13° B 43'36	1°35'23
evening rise	6132 May 27 05:40	17° II 32'06			6133 May 10 10:07	0° II	
	6132 Jun 02 16:20	0° E		evening rise	6133 May 11 01:14	1° II 13'12	
evening max el	6132 Jun 13 06:18	15° E 16'13	19°29'40	asc. node	6133 May 12 20:34	4° II 42'08	
retrograde	6132 Jun 22 19:10	19° E 56'50		evening max el	6133 May 27 06:35	27° II 24'59	18°41'48
evening set	6132 Jun 24 16:59	19° E 46'24			6133 May 30 13:26	0° E	
desc. node	6132 Jun 30 18:54	17° E 17'36		retrograde	6133 Jun 04 08:10	1° E 23'51	
inferior conj	6132 Jul 03 09:31	15° E 40'42	-0°47'09	evening set	6133 Jun 06 11:00	1° E 08'21	
minimum elong	6132 Jul 03 07:24	15° E 44'05	0°46'22		6133 Jun 09 09:53	30° R II	
min. Earth dist.	6132 Jul 05 21:27	14° E 05'03	0.55701 AU	inferior conj	6133 Jun 14 07:50	26° II 45'00	0°58'04
morning rise	6132 Jul 11 19:15	11° E 05'17		minimum elong	6133 Jun 14 09:56	26° II 41'04	0°57'18
direct	6132 Jul 16 12:38	10° E 15'10		min. Earth dist.	6133 Jun 17 14:31	24° II 18'55	0.57339 AU
morning max el	6132 Jul 30 13:24	17° E 18'09	24°59'19	desc. node	6133 Jun 17 15:57	24° II 16'23	
	6132 Aug 09 23:11	0° O		morning rise	6133 Jun 22 05:29	21° II 32'49	
asc. node	6132 Aug 21 22:51	20° O 55'43		direct	6133 Jun 27 20:19	20° II 14'46	
morning set	6132 Aug 25 18:04	28° O 46'58		morning max el	6133 Jul 12 05:14	27° II 47'29	26°28'45
	6132 Aug 26 07:46	0° P			6133 Jul 14 09:05	0° E	
					6133 Aug 03 10:39	0° O	
superior conj	6132 Sep 01 15:56	13° P 49'12	1°30'50	asc. node	6133 Aug 08 19:52	10° O 41'32	
minimum elong	6132 Sep 01 14:00	13° P 38'38	1°30'39	morning set	6133 Aug 10 04:35	13° O 33'03	
max. Earth dist.	6132 Sep 03 04:03	17° P 06'20	1.32549 AU				
evening rise	6132 Sep 08 20:19	29° P 09'11		superior conj	6133 Aug 17 03:25	28° O 42'34	1°16'46
	6132 Sep 09 06:14	0° L		minimum elong	6133 Aug 17 01:09	28° O 30'00	1°16'26
	6132 Sep 26 02:20	0° M		max. Earth dist.	6133 Aug 17 13:26	29° O 37'54	1.31979 AU
desc. node	6132 Sep 26 18:09	0° M 59'34			6133 Aug 17 17:26	0° P	
evening max el	6132 Oct 11 15:34	19° M 27'52	27°26'43	evening rise	6133 Aug 24 00:56	13° P 41'03	
retrograde	6132 Oct 25 09:17	26° M 43'04			6133 Sep 01 07:38	0° L	
evening set	6132 Nov 01 13:06	24° M 13'24		desc. node	6133 Sep 13 15:10	19° L 47'19	
min. Earth dist.	6132 Nov 05 04:52	21° M 12'30	0.62806 AU		6133 Sep 22 01:08	0° M	
inferior conj	6132 Nov 08 00:14	18° M 30'27	-3°09'39	evening max el	6133 Sep 23 20:50	1° M 48'06	27°01'10
minimum elong	6132 Nov 08 05:50	18° M 16'56	3°07'41	retrograde	6133 Oct 07 18:03	8° M 59'08	
morning rise	6132 Nov 15 00:20	13° M 20'29		evening set	6133 Oct 14 18:25	6° M 49'28	
direct	6132 Nov 17 08:54	12° M 54'52		min. Earth dist.	6133 Oct 18 11:13	4° M 09'25	0.60816 AU
asc. node	6132 Nov 17 22:08	12° M 56'18		inferior conj	6133 Oct 21 15:01	1° M 28'56	-4°11'25
morning max el	6132 Nov 24 01:39	16° M 21'07	17°49'06	minimum elong	6133 Oct 21 21:38	1° M 14'52	4°09'39
	6132 Dec 03 16:44	0° X			6133 Oct 23 09:53	30° R L	
morning set	6132 Dec 10 03:41	11° X 15'24		morning rise	6133 Oct 29 02:58	26° L 39'41	
	6132 Dec 20 23:25	0° Z		direct	6133 Oct 31 09:43	26° L 19'03	
				asc. node	6133 Nov 04 19:11	27° L 39'14	
superior conj	6132 Dec 21 18:31	1° Z 20'09	0°13'57	morning max el	6133 Nov 07 15:44	29° L 55'35	18°00'49
minimum elong	6132 Dec 21 19:53	1° Z 25'53	0°13'46		6133 Nov 07 17:32	0° M	

morning set	6133 Nov 23 08:48	24° \mathbb{M} 44'21		superior conj	6134 Nov 15 22:40	25° \mathbb{M} 43'57	1°16'52
	6133 Nov 26 05:04	0° \mathbb{X}		minimum elong	6134 Nov 16 02:12	26° \mathbb{M} 00'23	1°16'31
					6134 Nov 18 06:12	0° \mathbb{X}	
superior conj	6133 Dec 03 09:38	13° \mathbb{X} 00'30	0°50'26	max. Earth dist.	6134 Nov 23 07:31	9° \mathbb{X} 00'32	1.40094 AU
minimum elong	6133 Dec 03 13:13	13° \mathbb{X} 16'20	0°49'59	desc. node	6134 Nov 27 11:27	16° \mathbb{X} 06'21	
desc. node	6133 Dec 10 14:26	25° \mathbb{X} 21'59		evening rise	6134 Nov 27 12:53	16° \mathbb{X} 12'23	
max. Earth dist.	6133 Dec 11 00:31	26° \mathbb{X} 03'56	1.42123 AU		6134 Dec 06 03:01	0° \mathbb{Z}	
	6133 Dec 13 09:49	0° \mathbb{Z}			6134 Dec 27 18:17	0° \approx	
evening rise	6133 Dec 16 17:42	5° \mathbb{Z} 22'13		evening max el	6135 Jan 01 08:17	5° \approx 00'15	23°49'27
	6134 Jan 02 00:50	0° \approx		retrograde	6135 Jan 12 05:52	11° \approx 25'40	
evening max el	6134 Jan 18 17:53	21° \approx 19'23	22°29'20	evening set	6135 Jan 17 09:53	9° \approx 16'49	
retrograde	6134 Jan 28 12:33	27° \approx 08'05		asc. node	6135 Jan 18 15:29	8° \approx 06'57	
asc. node	6134 Jan 31 18:24	26° \approx 13'30		min. Earth dist.	6135 Jan 22 05:18	3° \approx 42'02	0.68053 AU
evening set	6134 Feb 02 04:10	25° \approx 14'16		inferior conj	6135 Jan 22 20:32	2° \approx 50'08	1°22'15
inferior conj	6134 Feb 07 12:40	18° \approx 51'46	2°05'51	minimum elong	6135 Jan 22 18:46	2° \approx 56'08	1°21'37
minimum elong	6134 Feb 07 10:24	18° \approx 59'40	2°05'07		6135 Jan 25 00:06	30° \mathbb{R} \mathbb{Z}	
min. Earth dist.	6134 Feb 07 08:36	19° \approx 05'55	0.68208 AU	morning rise	6135 Jan 28 03:39	26° \mathbb{Z} 45'44	
morning rise	6134 Feb 12 16:31	12° \approx 42'13		direct	6135 Feb 01 05:07	25° \mathbb{Z} 12'33	
direct	6134 Feb 17 07:44	10° \approx 46'30			6135 Feb 09 10:58	0° \approx	
morning max el	6134 Feb 26 12:45	16° \approx 10'05	21°59'01	morning max el	6135 Feb 09 07:11	29° \mathbb{Z} 50'31	20°39'31
desc. node	6134 Mar 08 13:46	28° \approx 20'24		desc. node	6135 Feb 23 10:47	18° \approx 06'57	
	6134 Mar 09 18:58	0° \mathbb{X}			6135 Mar 03 11:08	0° \mathbb{X}	
	6134 Mar 29 21:07	0° \mathbb{Y}		morning set	6135 Mar 10 13:33	10° \mathbb{X} 53'18	
morning set	6134 Mar 31 09:03	2° \mathbb{Y} 23'49		max. Earth dist.	6135 Mar 19 07:19	24° \mathbb{X} 44'23	1.43199 AU
max. Earth dist.	6134 Apr 06 02:13	11° \mathbb{Y} 45'51	1.41292 AU		6135 Mar 22 12:45	0° \mathbb{Y}	
superior conj	6134 Apr 13 19:39	25° \mathbb{Y} 02'38	-1°58'21	superior conj	6135 Mar 25 23:03	5° \mathbb{Y} 41'31	-2°09'37
minimum elong	6134 Apr 14 00:24	25° \mathbb{Y} 23'37	1°58'02	minimum elong	6135 Mar 26 00:16	5° \mathbb{Y} 46'33	2°09'38
	6134 Apr 16 14:19	0° \mathbb{B}		evening rise	6135 Apr 07 02:03	26° \mathbb{Y} 38'40	
evening rise	6134 Apr 24 09:29	14° \mathbb{B} 18'58			6135 Apr 08 23:37	0° \mathbb{B}	
asc. node	6134 Apr 29 17:37	24° \mathbb{B} 06'02		asc. node	6135 Apr 16 14:41	13° \mathbb{B} 05'18	
	6134 May 03 03:39	0° \mathbb{H}		evening max el	6135 Apr 24 02:48	23° \mathbb{B} 13'51	18°06'14
evening max el	6134 May 10 14:39	10° \mathbb{H} 07'43	18°14'14	retrograde	6135 Apr 30 15:08	26° \mathbb{B} 35'28	
retrograde	6134 May 17 15:53	13° \mathbb{H} 40'02		evening set	6135 May 03 08:08	26° \mathbb{B} 00'09	
evening set	6134 May 20 01:55	13° \mathbb{H} 15'51		inferior conj	6135 May 09 18:34	20° \mathbb{B} 56'29	3°01'50
inferior conj	6134 May 27 03:47	8° \mathbb{H} 32'20	2°14'35	minimum elong	6135 May 09 21:10	20° \mathbb{B} 49'56	3°01'20
minimum elong	6134 May 27 07:08	8° \mathbb{H} 24'59	2°13'37	min. Earth dist.	6135 May 12 20:01	17° \mathbb{B} 53'09	0.61670 AU
min. Earth dist.	6134 May 30 13:29	5° \mathbb{H} 35'08	0.59443 AU	morning rise	6135 May 16 08:18	14° \mathbb{B} 56'07	
morning rise	6134 Jun 03 09:27	2° \mathbb{H} 50'36		desc. node	6135 May 22 10:03	12° \mathbb{B} 35'19	
desc. node	6134 Jun 04 13:00	2° \mathbb{H} 14'05		direct	6135 May 23 02:38	12° \mathbb{B} 33'53	
direct	6134 Jun 09 18:01	0° \mathbb{H} 58'44		morning max el	6135 Jun 06 07:03	20° \mathbb{B} 33'46	27°53'29
morning max el	6134 Jun 24 03:06	8° \mathbb{H} 50'01	27°29'25		6135 Jun 14 09:57	0° \mathbb{H}	
	6134 Jul 10 06:53	0° \mathbb{E}			6135 Jul 03 06:31	0° \mathbb{E}	
morning set	6134 Jul 25 12:17	28° \mathbb{E} 08'37		morning set	6135 Jul 09 15:09	12° \mathbb{E} 26'56	
	6134 Jul 26 09:28	0° \mathbb{O}		asc. node	6135 Jul 13 13:56	20° \mathbb{E} 43'46	
asc. node	6134 Jul 26 16:55	0° \mathbb{O} 39'23		max. Earth dist.	6135 Jul 15 09:01	24° \mathbb{E} 36'03	1.32144 AU
max. Earth dist.	6134 Aug 01 00:22	12° \mathbb{O} 11'57	1.31843 AU				
superior conj	6134 Aug 01 15:10	13° \mathbb{O} 33'41	0°58'06	superior conj	6135 Jul 17 01:21	28° \mathbb{E} 16'00	0°35'21
minimum elong	6134 Aug 01 13:01	13° \mathbb{O} 21'50	0°57'42	minimum elong	6135 Jul 16 23:49	28° \mathbb{E} 07'36	0°35'00
evening rise	6134 Aug 08 09:58	28° \mathbb{O} 23'42		evening rise	6135 Jul 17 20:19	0° \mathbb{O}	
	6134 Aug 09 04:09	0° \mathbb{N}			6135 Jul 23 21:17	13° \mathbb{O} 09'51	
	6134 Aug 25 19:46	0° \mathbb{U}		desc. node	6135 Aug 01 07:43	0° \mathbb{N}	
desc. node	6134 Aug 31 12:12	7° \mathbb{U} 36'40		evening max el	6135 Aug 18 09:14	24° \mathbb{N} 04'06	
evening max el	6134 Sep 05 18:59	13° \mathbb{U} 20'01	26°02'37		6135 Aug 18 09:56	24° \mathbb{N} 05'48	24°37'37
retrograde	6134 Sep 19 17:58	20° \mathbb{U} 26'29		retrograde	6135 Aug 26 23:07	0° \mathbb{U}	
evening set	6134 Sep 26 03:12	18° \mathbb{U} 48'34		evening set	6135 Sep 01 06:34	1° \mathbb{U} 04'31	
min. Earth dist.	6134 Sep 30 07:49	16° \mathbb{U} 13'28	0.58740 AU		6135 Sep 06 11:30	0° \mathbb{U} 03'55	
inferior conj	6134 Oct 03 12:38	13° \mathbb{U} 51'53	-5°00'45	min. Earth dist.	6135 Sep 06 15:36	30° \mathbb{R} \mathbb{N}	
minimum elong	6134 Oct 03 17:59	13° \mathbb{U} 41'59	4°59'54	inferior conj	6135 Sep 11 21:10	27° \mathbb{N} 15'25	0.56828 AU
morning rise	6134 Oct 11 11:03	9° \mathbb{U} 25'15		minimum elong	6135 Sep 14 14:23	25° \mathbb{N} 30'43	-5°23'21
direct	6134 Oct 13 19:44	9° \mathbb{U} 06'45		morning rise	6135 Sep 14 14:52	25° \mathbb{N} 29'57	5°23'20
morning max el	6134 Oct 21 23:33	13° \mathbb{U} 02'59	18°32'39	direct	6135 Sep 22 20:32	21° \mathbb{N} 25'46	
asc. node	6134 Oct 22 16:14	13° \mathbb{U} 44'37		morning max el	6135 Sep 25 11:22	21° \mathbb{N} 06'52	
	6134 Nov 02 10:58	0° \mathbb{M}			6135 Oct 04 21:40	25° \mathbb{N} 33'07	19°26'11
morning set	6134 Nov 07 02:05	8° \mathbb{M} 47'11		asc. node	6135 Oct 08 20:10	0° \mathbb{U}	
				morning set	6135 Oct 09 13:16	0° \mathbb{U} 57'19	
					6135 Oct 22 03:42	23° \mathbb{U} 13'29	

	6135 Oct 25 12:34	0°♍		asc. node	6136 Sep 25 10:17	19°♏02'23	
					6136 Oct 01 12:22	0°♏	
superior conj	6135 Oct 30 04:22	9°♍15'50	1°33'33	morning set	6136 Oct 05 10:43	7°♏54'34	
minimum elong	6135 Oct 30 06:43	9°♍27'20	1°33'24				
max. Earth dist.	6135 Nov 05 12:40	21°♍19'11	1.37969 AU	superior conj	6136 Oct 12 22:01	23°♏22'26	1°41'37
evening rise	6135 Nov 09 06:38	28°♍03'48		minimum elong	6136 Oct 12 22:52	23°♏26'49	1°41'36
	6135 Nov 10 09:12	0°♏			6136 Oct 16 04:57	0°♍	
desc. node	6135 Nov 14 08:27	6°♏44'57		max. Earth dist.	6136 Oct 17 20:48	3°♍15'45	1.35985 AU
	6135 Nov 29 13:16	0°♏		evening rise	6136 Oct 21 20:03	10°♍48'28	
evening max el	6135 Dec 14 21:19	18°♏45'11	25°06'25	desc. node	6136 Oct 31 05:27	27°♍12'50	
retrograde	6135 Dec 26 18:53	25°♏38'23			6136 Nov 01 22:39	0°♏	
evening set	6136 Jan 01 12:12	23°♏15'49			6136 Nov 23 23:26	0°♏	
asc. node	6136 Jan 05 12:31	18°♏52'15		evening max el	6136 Nov 26 10:09	2°♏29'36	26°13'01
min. Earth dist.	6136 Jan 05 23:58	18°♏15'23	0.67533 AU	retrograde	6136 Dec 09 02:52	9°♏40'13	
inferior conj	6136 Jan 07 02:14	16°♏49'30	0°31'38	evening set	6136 Dec 15 09:21	7°♏06'46	
minimum elong	6136 Jan 07 01:28	16°♏52'02	0°31'22	min. Earth dist.	6136 Dec 19 14:14	2°♏41'27	0.66656 AU
morning rise	6136 Jan 12 14:58	10°♏52'17		inferior conj	6136 Dec 21 03:52	0°♏45'46	-0°25'12
direct	6136 Jan 16 03:57	9°♏40'05		minimum elong	6136 Dec 21 04:33	0°♏43'41	0°24'52
morning max el	6136 Jan 23 09:37	13°♏42'48	19°33'12		6136 Dec 21 18:49	30°♏♏	
	6136 Feb 04 19:43	0°♏		asc. node	6136 Dec 22 09:34	29°♏15'45	
greatest brilliancy	6136 Feb 05 08:49	0°♏48'32	-0.7m	morning rise	6136 Dec 27 00:22	24°♏58'07	
desc. node	6136 Feb 10 07:47	8°♏15'48		direct	6136 Dec 30 02:31	24°♏03'53	
morning set	6136 Feb 17 10:35	19°♏10'11		morning max el	6137 Jan 05 19:20	27°♏43'29	18°42'20
	6136 Feb 24 10:02	0°♏			6137 Jan 07 21:27	0°♏	
max. Earth dist.	6136 Feb 29 20:04	8°♏31'18	1.44593 AU	morning set	6137 Jan 27 00:46	28°♏24'41	
				desc. node	6137 Jan 27 04:45	28°♏40'22	
superior conj	6136 Mar 05 01:12	15°♏14'12	-2°04'03		6137 Jan 28 01:00	0°♏	
minimum elong	6136 Mar 04 19:57	14°♏53'11	2°03'48	max. Earth dist.	6137 Feb 11 13:52	22°♏48'15	1.45311 AU
	6136 Mar 14 02:28	0°♏					
evening rise	6136 Mar 18 22:29	8°♏04'17		superior conj	6137 Feb 12 08:07	23°♏59'50	-1°38'29
	6136 Apr 01 09:43	0°♏		minimum elong	6137 Feb 11 22:38	23°♏22'40	1°37'34
asc. node	6136 Apr 02 11:44	1°♏32'16			6137 Feb 16 03:46	0°♏	
evening max el	6136 Apr 06 15:50	6°♏35'10	18°17'06	evening rise	6137 Feb 27 19:41	18°♏31'59	
retrograde	6136 Apr 13 01:33	10°♏00'38			6137 Mar 06 23:18	0°♏	
evening set	6136 Apr 16 01:09	9°♏12'49		greatest brilliancy	6137 Mar 07 07:45	0°♏33'42	-0.9m
inferior conj	6136 Apr 22 00:09	3°♏50'13	3°24'57	asc. node	6137 Mar 20 08:46	19°♏16'37	
minimum elong	6136 Apr 22 01:16	3°♏47'03	3°24'51	evening max el	6137 Mar 21 02:58	20°♏04'28	18°46'08
min. Earth dist.	6136 Apr 24 11:38	1°♏03'07	0.63733 AU	retrograde	6137 Mar 27 19:02	23°♏46'41	
	6136 Apr 25 11:26	30°♏♏		evening set	6137 Mar 31 01:22	22°♏45'37	
morning rise	6136 Apr 28 00:23	27°♏39'46		inferior conj	6137 Apr 05 16:37	17°♏05'44	3°29'29
direct	6136 May 04 19:50	24°♏57'45		minimum elong	6137 Apr 05 16:16	17°♏06'49	3°29'28
desc. node	6136 May 08 07:05	25°♏34'42		min. Earth dist.	6137 Apr 07 12:32	14°♏50'25	0.65456 AU
	6136 May 15 11:11	0°♏		morning rise	6137 Apr 11 06:39	10°♏50'52	
morning max el	6136 May 18 15:26	2°♏57'12	27°40'10	direct	6137 Apr 17 20:17	8°♏01'58	
	6136 Jun 07 19:21	0°♏		desc. node	6137 Apr 25 04:05	10°♏46'04	
morning set	6136 Jun 22 10:52	26°♏21'18		morning max el	6137 May 01 01:42	15°♏50'22	26°54'12
	6136 Jun 24 06:23	0°♏			6137 May 12 17:27	0°♏	
max. Earth dist.	6136 Jun 27 11:38	6°♏39'46	1.32897 AU		6137 May 31 14:34	0°♏	
asc. node	6136 Jun 29 10:58	10°♏50'41		morning set	6137 Jun 05 20:24	9°♏43'07	
				max. Earth dist.	6137 Jun 10 04:41	18°♏15'05	1.34112 AU
superior conj	6136 Jun 30 08:06	12°♏43'53	0°09'06				
minimum elong	6136 Jun 30 07:39	12°♏41'30	0°08'57	superior conj	6137 Jun 14 09:17	26°♏51'09	-0°19'53
behind sun begin	6136 Jun 30 03:11	12°♏17'33		minimum elong	6137 Jun 14 10:21	26°♏56'45	0°19'42
behind sun end	6136 Jun 30 12:07	13°♏05'29			6137 Jun 15 21:18	0°♏	
evening rise	6136 Jul 07 09:01	27°♏53'39		asc. node	6137 Jun 16 07:59	0°♏56'17	
	6136 Jul 08 08:57	0°♏		evening rise	6137 Jun 21 19:14	12°♏29'04	
	6136 Jul 25 21:47	0°♏			6137 Jun 30 19:33	0°♏	
evening max el	6136 Jul 29 22:12	4°♏25'25	22°59'55	evening max el	6137 Jul 11 16:08	14°♏53'31	21°25'49
desc. node	6136 Aug 04 06:16	8°♏38'57		desc. node	6137 Jul 22 03:18	20°♏48'30	
retrograde	6136 Aug 12 06:24	11°♏05'20		retrograde	6137 Jul 23 20:51	20°♏55'39	
evening set	6136 Aug 15 23:00	10°♏35'33		evening set	6137 Jul 26 07:16	20°♏42'03	
min. Earth dist.	6136 Aug 23 06:47	7°♏17'43	0.55404 AU	inferior conj	6137 Aug 04 14:53	16°♏42'44	-3°47'30
inferior conj	6136 Aug 24 20:43	6°♏22'59	-5°01'49	minimum elong	6137 Aug 04 05:51	16°♏55'24	3°44'56
minimum elong	6136 Aug 24 14:26	6°♏32'05	5°00'56	min. Earth dist.	6137 Aug 04 16:28	16°♏40'31	0.54768 AU
morning rise	6136 Sep 02 08:02	2°♏32'36		morning rise	6137 Aug 13 05:22	12°♏49'54	
direct	6136 Sep 05 08:21	2°♏11'13		direct	6137 Aug 16 17:37	12°♏23'16	
morning max el	6136 Sep 16 07:37	7°♏17'50	20°41'45	morning max el	6137 Aug 29 05:57	18°♏17'50	22°16'06

	6137 Sep 07 15:55	0°♍		direct	6138 Jul 28 05:03	22°♊03'27	
asc. node	6137 Sep 12 07:17	7°♍47'35		morning max el	6138 Aug 10 20:42	28°♊45'01	24°00'19
morning set	6137 Sep 19 20:59	22°♍44'15			6138 Aug 12 03:20	0°♊	
	6137 Sep 23 07:08	0°♊		asc. node	6138 Aug 30 04:18	27°♊02'16	
					6138 Aug 31 16:18	0°♍	
superior conj	6137 Sep 26 24:00	7°♊53'07	1°42'18	morning set	6138 Sep 04 08:37	7°♍36'14	
minimum elong	6137 Sep 26 23:29	7°♊50'28	1°42'17				
max. Earth dist.	6137 Sep 30 12:01	15°♊11'17	1.34323 AU	superior conj	6138 Sep 11 07:24	22°♍38'11	1°36'39
evening rise	6137 Oct 05 01:05	24°♊16'25		minimum elong	6138 Sep 11 05:52	22°♍29'54	1°36'32
	6137 Oct 08 01:18	0°♍		max. Earth dist.	6138 Sep 13 11:43	27°♍20'02	1.33072 AU
desc. node	6137 Oct 18 02:30	17°♍24'30			6138 Sep 14 17:47	0°♊	
	6137 Oct 26 11:55	0°♋		evening rise	6138 Sep 18 17:47	8°♊16'26	
evening max el	6137 Nov 08 22:55	16°♋05'51	27°01'54		6138 Sep 30 12:10	0°♍	
retrograde	6137 Nov 22 05:20	23°♋24'15		desc. node	6138 Oct 04 23:32	7°♍11'59	
evening set	6137 Nov 28 23:18	20°♋45'22		evening max el	6138 Oct 22 10:40	29°♍23'12	27°26'14
min. Earth dist.	6137 Dec 02 21:55	16°♋55'01	0.65423 AU		6138 Oct 23 02:27	0°♋	
inferior conj	6137 Dec 04 23:19	14°♋34'49	-1°27'05	retrograde	6138 Nov 05 01:46	6°♋41'25	
minimum elong	6137 Dec 05 01:51	14°♋27'38	1°25'59	evening set	6138 Nov 12 03:28	4°♋05'28	
asc. node	6137 Dec 09 06:34	10°♋14'44		min. Earth dist.	6138 Nov 15 20:59	0°♋47'52	0.63845 AU
morning rise	6137 Dec 11 05:29	8°♋59'25			6138 Nov 16 15:53	30°♋♍	
direct	6137 Dec 13 22:48	8°♋19'25		inferior conj	6138 Nov 18 10:06	28°♍10'45	-2°32'05
morning max el	6137 Dec 20 10:08	11°♋46'48	18°07'58	minimum elong	6138 Nov 18 14:39	27°♍59'02	2°30'20
	6138 Jan 02 06:08	0°♎		morning rise	6138 Nov 25 03:24	22°♍50'31	
morning set	6138 Jan 07 20:11	9°♎07'40		asc. node	6138 Nov 26 03:35	22°♍31'12	
desc. node	6138 Jan 14 01:45	19°♎16'08		direct	6138 Nov 27 14:15	22°♍20'48	
	6138 Jan 20 18:45	0°♏		morning max el	6138 Dec 04 03:09	25°♍45'23	17°50'48
					6138 Dec 07 17:11	0°♋	
superior conj	6138 Jan 22 13:24	2°♏48'42	-0°57'13	morning set	6138 Dec 20 19:07	21°♋11'18	
minimum elong	6138 Jan 22 06:30	2°♏21'24	0°56'18		6138 Dec 25 23:05	0°♎	
max. Earth dist.	6138 Jan 25 09:13	7°♏15'34	1.45288 AU	desc. node	6138 Dec 31 22:47	9°♎59'14	
evening rise	6138 Feb 07 19:17	28°♏10'20					
	6138 Feb 08 23:33	0°♌		superior conj	6139 Jan 02 12:03	12°♎31'47	-0°11'00
greatest brilliancy	6138 Feb 20 11:58	17°♌41'24	-0.7m	minimum elong	6139 Jan 02 10:49	12°♎26'47	0°10'47
	6138 Mar 01 06:06	0°♍		behind sun begin	6139 Jan 02 03:27	11°♎56'39	
evening max el	6138 Mar 04 10:09	3°♍37'27	19°32'02	behind sun end	6139 Jan 02 18:12	12°♎56'52	
asc. node	6138 Mar 07 05:48	6°♍05'55		max. Earth dist.	6139 Jan 08 03:32	21°♎37'07	1.44537 AU
retrograde	6138 Mar 11 16:12	7°♍47'10			6139 Jan 13 11:20	0°♏	
evening set	6138 Mar 15 06:05	6°♍32'12		evening rise	6139 Jan 18 06:37	7°♏25'53	
inferior conj	6138 Mar 20 16:37	0°♍37'08	3°19'38		6139 Feb 02 07:18	0°♌	
minimum elong	6138 Mar 20 15:09	0°♍41'58	3°19'27	evening max el	6139 Feb 15 12:15	17°♌13'01	20°32'37
	6138 Mar 21 03:52	30°♌♌		asc. node	6139 Feb 22 02:50	21°♌46'25	
min. Earth dist.	6138 Mar 21 21:33	29°♌01'56	0.66773 AU	retrograde	6139 Feb 23 14:33	21°♌58'08	
morning rise	6138 Mar 25 23:55	24°♌21'17		evening set	6139 Feb 27 13:16	20°♌28'33	
direct	6138 Apr 01 03:03	21°♌37'29		inferior conj	6139 Mar 04 21:32	14°♌20'39	2°58'19
desc. node	6138 Apr 12 01:06	27°♌36'17		minimum elong	6139 Mar 04 19:23	14°♌27'59	2°57'52
morning max el	6138 Apr 13 11:26	29°♌00'22	25°43'34	min. Earth dist.	6139 Mar 05 12:44	13°♌28'38	0.67662 AU
	6138 Apr 14 10:30	0°♍		morning rise	6139 Mar 10 01:17	8°♌06'05	
	6138 May 06 12:56	0°♎		direct	6139 Mar 15 15:16	5°♌36'46	
morning set	6138 May 19 15:36	22°♎19'58		morning max el	6139 Mar 26 20:07	12°♌18'52	24°18'22
max. Earth dist.	6138 May 23 10:13	29°♎23'08	1.35786 AU	desc. node	6139 Mar 29 22:07	15°♌38'29	
	6138 May 23 17:56	0°♏			6139 Apr 10 01:05	0°♍	
					6139 Apr 29 07:56	0°♎	
superior conj	6138 May 29 02:13	10°♏29'39	-0°50'18	morning set	6139 May 01 15:15	3°♎58'01	
minimum elong	6138 May 29 05:05	10°♏44'03	0°49'48	max. Earth dist.	6139 May 05 07:07	10°♎26'54	1.37838 AU
asc. node	6138 Jun 03 05:01	20°♏55'47					
evening rise	6138 Jun 06 01:46	26°♏48'39		superior conj	6139 May 12 07:42	23°♎31'39	-1°20'11
	6138 Jun 07 15:28	0°♊		minimum elong	6139 May 12 12:14	23°♎53'26	1°19'31
evening max el	6138 Jun 23 21:57	25°♊56'30	20°06'36		6139 May 15 15:38	0°♏	
	6138 Jun 29 12:49	0°♊		evening rise	6139 May 21 02:11	10°♏45'56	
retrograde	6138 Jul 04 10:57	1°♊06'49		asc. node	6139 May 21 02:04	10°♏45'22	
evening set	6138 Jul 06 08:47	0°♊57'22			6139 May 31 15:14	0°♊	
desc. node	6138 Jul 09 00:21	0°♊15'22		evening max el	6139 Jun 06 16:19	7°♊42'46	19°06'55
	6138 Jul 09 16:30	30°♌♊		retrograde	6139 Jun 15 12:56	12°♊03'33	
inferior conj	6138 Jul 15 10:29	26°♊58'21	-1°55'37	evening set	6139 Jun 17 12:22	11°♊51'29	
minimum elong	6138 Jul 15 05:06	27°♊06'22	1°53'39	inferior conj	6139 Jun 25 20:49	7°♊39'24	0°00'24
min. Earth dist.	6138 Jul 17 04:17	25°♊56'00	0.55088 AU	minimum elong	6139 Jun 25 20:50	7°♊39'23	0°00'22
morning rise	6138 Jul 23 23:53	22°♊42'09		transit middle	6139 Jun 25 20:50	7°♊39'23	0°00'22

transit begin	6139 Jun 25 17:02	7°  45'51		minimum elong	6140 Jun 06 07:18	18°  55'11	1°33'19
transit end	6139 Jun 26 00:38	7°  32'54		min. Earth dist.	6140 Jun 09 14:01	16°  19'09	0.58202 AU
desc. node	6139 Jun 25 21:22	7°  38'29		desc. node	6140 Jun 11 18:24	14°  46'34	
min. Earth dist.	6139 Jun 28 19:01	5°  40'22	0.56318 AU	morning rise	6140 Jun 13 19:26	13°  35'32	
morning rise	6139 Jul 04 02:08	2°  48'04		direct	6140 Jun 19 18:51	12°  03'17	
direct	6139 Jul 09 04:59	1°  46'55		morning max el	6140 Jul 04 04:07	19°  44'20	26°58'48
morning max el	6139 Jul 23 10:14	9°  04'28	25°39'55		6140 Jul 12 22:03	0° 	
	6139 Aug 08 03:07	0° 			6140 Jul 30 18:20	0° 	
asc. node	6139 Aug 17 01:20	16°  038'39		asc. node	6140 Aug 02 22:24	6°  030'11	
morning set	6139 Aug 19 20:02	22°  025'51		morning set	6140 Aug 03 05:35	7°  007'57	
	6139 Aug 23 08:06	0° 					
superior conj	6139 Aug 26 17:58	7°  030'25	1°25'28	superior conj	6140 Aug 10 05:46	22°  023'26	1°09'24
minimum elong	6139 Aug 26 15:50	7°  018'40	1°25'13	minimum elong	6140 Aug 10 03:30	22°  010'50	1°09'01
max. Earth dist.	6139 Aug 27 18:30	9°  045'16	1.32257 AU	max. Earth dist.	6140 Aug 10 05:07	22°  019'47	1.31868 AU
evening rise	6139 Sep 02 18:52	22°  039'23		evening rise	6140 Aug 13 16:34	0° 	
	6139 Sep 06 10:00	0° 			6140 Aug 17 01:39	7°  016'56	
desc. node	6139 Sep 21 20:34	26°  025'25		desc. node	6140 Aug 28 21:53	0° 	
	6139 Sep 24 09:26	0° 		evening max el	6140 Sep 07 17:36	14°  051'06	
evening max el	6139 Oct 04 19:20	12°  008'55	27°20'01		6140 Sep 15 22:05	24°  010'39	26°40'13
retrograde	6139 Oct 18 15:02	19°  022'16		retrograde	6140 Sep 24 02:53	0° 	
evening set	6139 Oct 25 18:22	16°  059'58			6140 Sep 29 20:02	1°  018'52	
min. Earth dist.	6139 Oct 29 09:51	14°  009'04	0.61982 AU	evening set	6140 Oct 05 09:48	30°  00R 	
inferior conj	6139 Nov 01 09:12	11°  025'59	-3°36'44	min. Earth dist.	6140 Oct 06 15:38	29°  021'44	
minimum elong	6139 Nov 01 15:25	11°  011'45	3°34'45	inferior conj	6140 Oct 10 11:53	26°  045'59	0.59934 AU
morning rise	6139 Nov 08 14:23	6°  024'10		minimum elong	6140 Oct 13 17:13	24°  011'36	-4°34'35
direct	6139 Nov 10 21:41	6°  001'06		morning rise	6140 Oct 13 23:40	23°  058'39	4°33'08
asc. node	6139 Nov 13 00:38	6°  021'21		direct	6140 Oct 21 09:50	19°  031'32	
morning max el	6139 Nov 17 19:12	9°  030'59	17°51'37	asc. node	6140 Oct 23 17:03	19°  012'00	
	6139 Dec 01 06:22	0° 		morning max el	6140 Oct 29 21:42	21°  041'38	
morning set	6139 Dec 03 15:04	4°  014'52			6140 Oct 31 07:03	22°  055'37	18°11'44
				morning set	6140 Nov 05 21:15	0° 	
superior conj	6139 Dec 14 12:28	23°  0129'41	0°30'36		6140 Nov 16 02:00	18°  000'57	
minimum elong	6139 Dec 14 15:08	23°  0141'05	0°30'15		6140 Nov 22 11:21	0° 	
	6139 Dec 18 08:52	0° 		superior conj	6140 Nov 25 13:38	5°  0139'28	1°02'54
desc. node	6139 Dec 18 19:48	0°  0345'32		minimum elong	6140 Nov 25 17:24	5°  0156'30	1°02'26
max. Earth dist.	6139 Dec 21 18:36	5°  036'53	1.43154 AU	max. Earth dist.	6140 Dec 03 05:02	19°  0101'34	1.41297 AU
evening rise	6139 Dec 28 20:51	16°  0355'56		desc. node	6140 Dec 04 16:49	21°  0132'02	
	6140 Jan 06 10:06	0° 		evening rise	6140 Dec 08 03:33	27°  0112'43	
	6140 Jan 28 13:45	0° 			6140 Dec 09 21:02	0° 	
evening max el	6140 Jan 29 09:00	0°  0150'03	21°44'37		6140 Dec 30 02:46	0° 	
retrograde	6140 Feb 07 12:04	6°  014'55		evening max el	6141 Jan 11 01:16	14°  029'30	23°03'16
asc. node	6140 Feb 08 23:53	6°  0103'10		retrograde	6141 Jan 21 07:14	20°  033'56	
evening set	6140 Feb 11 21:08	4°  0130'02		asc. node	6141 Jan 25 20:57	18°  048'04	
	6140 Feb 15 21:43	30° 		evening set	6141 Jan 26 04:07	18°  033'30	
inferior conj	6140 Feb 17 05:06	28°  012'05	2°27'26	min. Earth dist.	6141 Jan 31 04:29	12°  039'37	0.68199 AU
minimum elong	6140 Feb 17 02:45	28°  020'17	2°26'46	inferior conj	6141 Jan 31 13:23	12°  008'52	1°48'14
min. Earth dist.	6140 Feb 17 07:47	28°  002'45	0.68131 AU	minimum elong	6141 Jan 31 11:17	12°  016'10	1°47'31
morning rise	6140 Feb 22 08:10	22°  000'25		morning rise	6141 Feb 05 18:22	6°  001'32	
direct	6140 Feb 27 07:49	19°  051'33		direct	6141 Feb 10 03:40	4°  015'30	
morning max el	6140 Mar 08 05:51	25°  043'30	22°48'49	morning max el	6141 Feb 18 20:22	9°  017'59	21°23'46
	6140 Mar 12 03:12	0° 		desc. node	6141 Mar 02 16:09	24°  002'01	
desc. node	6140 Mar 15 19:08	4°  0131'46			6141 Mar 06 20:38	0° 	
	6140 Apr 02 13:45	0° 		morning set	6141 Mar 22 07:28	23°  0136'44	
morning set	6140 Apr 11 13:27	14°  0121'32			6141 Mar 26 09:49	0° 	
max. Earth dist.	6140 Apr 16 02:58	22°  0102'08	1.40061 AU	max. Earth dist.	6141 Mar 29 04:27	4°  0131'50	1.42161 AU
	6140 Apr 20 16:30	0° 					
superior conj	6140 Apr 23 21:28	5°  046'28	-1°46'29	superior conj	6141 Apr 05 14:42	17°  0103'03	-2°04'50
minimum elong	6140 Apr 24 02:45	6°  010'30	1°45'58	minimum elong	6141 Apr 05 18:24	17°  0119'00	2°04'41
evening rise	6140 May 03 17:21	24°  012'37			6141 Apr 12 22:42	0° 	
asc. node	6140 May 06 23:07	0° 		evening rise	6141 Apr 16 19:27	6°  0159'59	
	6140 May 06 18:51	0° 		asc. node	6141 Apr 23 20:10	19°  0134'04	
evening max el	6140 May 19 20:22	20°  0106'49	18°27'39		6141 Apr 30 15:10	0° 	
retrograde	6140 May 27 09:53	23°  0152'03		evening max el	6141 May 03 06:30	3°  0100'02	18°08'25
evening set	6140 May 29 15:55	23°  0133'05		retrograde	6141 May 10 00:54	6°  0126'08	
inferior conj	6140 Jun 06 04:20	19°  0101'07	1°34'19	evening set	6141 May 12 13:58	5°  0157'23	
				inferior conj	6141 May 19 08:43	1°  0104'47	2°37'57

minimum elong	6141 May 19 11:55	0° Π 57'20	2°37'11	inferior conj	6142 May 02 06:22	13° \mathcal{B} 43'13	3°14'14
	6141 May 20 12:22	30° \mathcal{R} \mathcal{B}		minimum elong	6142 May 02 08:22	13° \mathcal{B} 37'54	3°13'56
min. Earth dist.	6141 May 22 15:47	28° \mathcal{B} 02'10	0.60393 AU	min. Earth dist.	6142 May 05 02:17	10° \mathcal{B} 44'14	0.62573 AU
morning rise	6141 May 26 07:24	25° \mathcal{B} 13'48		morning rise	6142 May 08 13:56	7° \mathcal{B} 37'20	
desc. node	6141 May 29 15:27	23° \mathcal{B} 38'42		direct	6142 May 15 09:33	5° \mathcal{B} 05'10	
direct	6141 Jun 01 21:01	23° \mathcal{B} 08'28		desc. node	6142 May 16 12:27	5° \mathcal{B} 09'00	
	6141 Jun 15 02:12	0° Π		morning max el	6142 May 29 11:11	13° \mathcal{B} 06'54	27°52'18
morning max el	6141 Jun 16 04:47	1° Π 04'02	27°44'33		6142 Jun 11 23:04	0° Π	
	6141 Jul 07 02:46	0° \mathcal{E}			6142 Jun 29 13:49	0° \mathcal{E}	
morning set	6141 Jul 18 11:27	21° \mathcal{E} 36'45		morning set	6142 Jul 02 11:36	5° \mathcal{E} 46'11	
asc. node	6141 Jul 20 19:25	26° \mathcal{E} 31'11		asc. node	6142 Jul 07 16:26	16° \mathcal{E} 37'24	
	6141 Jul 22 10:16	0° \mathcal{O}		max. Earth dist.	6142 Jul 07 22:16	17° \mathcal{E} 08'39	1.32402 AU
max. Earth dist.	6141 Jul 24 15:43	4° \mathcal{O} 51'43	1.31912 AU				
				superior conj	6142 Jul 10 01:57	21° \mathcal{E} 47'57	0°24'36
superior conj	6141 Jul 25 17:01	7° \mathcal{O} 11'00	0°48'56	minimum elong	6142 Jul 10 00:50	21° \mathcal{E} 41'49	0°24'20
minimum elong	6141 Jul 25 15:04	7° \mathcal{O} 00'16	0°48'32		6142 Jul 13 20:09	0° \mathcal{O}	
evening rise	6141 Aug 01 11:52	22° \mathcal{O} 01'33		evening rise	6142 Jul 16 23:34	6° \mathcal{O} 47'18	
	6141 Aug 05 07:56	0° \mathcal{N}			6142 Jul 29 02:54	0° \mathcal{N}	
	6141 Aug 23 18:20	0° \mathcal{A}		evening max el	6142 Aug 10 05:29	15° \mathcal{N} 51'09	23°56'38
desc. node	6141 Aug 25 14:39	2° \mathcal{A} 08'57		desc. node	6142 Aug 12 11:41	17° \mathcal{N} 52'28	
evening max el	6141 Aug 28 16:49	5° \mathcal{A} 21'08	25°29'05	retrograde	6142 Aug 23 22:47	22° \mathcal{N} 44'48	
retrograde	6141 Sep 11 15:12	12° \mathcal{A} 25'06		evening set	6142 Aug 28 12:29	21° \mathcal{N} 58'43	
evening set	6141 Sep 17 14:15	11° \mathcal{A} 02'37		min. Earth dist.	6142 Sep 03 15:56	18° \mathcal{N} 59'17	0.56138 AU
min. Earth dist.	6141 Sep 22 04:37	8° \mathcal{A} 24'29	0.57887 AU	inferior conj	6142 Sep 05 23:35	17° \mathcal{N} 34'21	-5°20'33
inferior conj	6141 Sep 25 06:34	6° \mathcal{A} 16'22	-5°14'37	minimum elong	6142 Sep 05 21:09	17° \mathcal{N} 38'05	5°20'25
minimum elong	6141 Sep 25 10:19	6° \mathcal{A} 09'52	5°14'15	morning rise	6142 Sep 14 08:13	13° \mathcal{N} 37'15	
morning rise	6141 Oct 03 08:41	1° \mathcal{A} 59'42		direct	6142 Sep 17 02:32	13° \mathcal{N} 17'43	
direct	6141 Oct 05 19:37	1° \mathcal{A} 41'15		morning max el	6142 Sep 27 04:20	18° \mathcal{N} 00'00	19°55'48
morning max el	6141 Oct 14 11:09	5° \mathcal{A} 48'26	18°52'46	asc. node	6142 Oct 03 15:45	25° \mathcal{N} 53'42	
asc. node	6141 Oct 16 18:44	8° \mathcal{A} 17'27			6142 Oct 06 06:03	0° \mathcal{A}	
	6141 Oct 29 19:37	0° \mathcal{M}		morning set	6142 Oct 15 03:24	16° \mathcal{A} 48'01	
morning set	6141 Oct 30 23:14	2° \mathcal{M} 15'09			6142 Oct 21 15:02	0° \mathcal{M}	
superior conj	6141 Nov 08 10:26	18° \mathcal{M} 45'50	1°25'04	superior conj	6142 Oct 22 21:43	2° \mathcal{M} 33'49	1°37'56
minimum elong	6141 Nov 08 13:33	19° \mathcal{M} 00'38	1°24'47	minimum elong	6142 Oct 22 23:26	2° \mathcal{M} 42'25	1°37'51
	6141 Nov 14 12:09	0° \mathcal{X}		max. Earth dist.	6142 Oct 28 16:15	13° \mathcal{M} 46'17	1.37091 AU
max. Earth dist.	6141 Nov 15 11:01	1° \mathcal{X} 42'09	1.39189 AU	evening rise	6142 Nov 01 10:59	20° \mathcal{M} 44'07	
evening rise	6141 Nov 19 08:27	8° \mathcal{X} 29'13			6142 Nov 06 18:26	0° \mathcal{X}	
desc. node	6141 Nov 21 13:50	12° \mathcal{X} 14'33		desc. node	6142 Nov 08 10:52	2° \mathcal{X} 49'02	
	6141 Dec 02 19:36	0° \mathcal{Z}			6142 Nov 26 19:18	0° \mathcal{Z}	
evening max el	6141 Dec 24 14:43	28° \mathcal{Z} 11'52	24°22'49	evening max el	6142 Dec 07 03:22	11° \mathcal{Z} 56'34	25°36'23
	6141 Dec 26 12:35	0° \approx		retrograde	6142 Dec 19 10:03	18° \mathcal{Z} 59'21	
retrograde	6142 Jan 04 22:54	4° \approx 50'30		evening set	6142 Dec 25 08:58	16° \mathcal{Z} 31'35	
evening set	6142 Jan 10 08:36	2° \approx 35'17		min. Earth dist.	6142 Dec 29 17:41	11° \mathcal{Z} 45'55	0.67202 AU
asc. node	6142 Jan 12 17:59	0° \approx 08'37		asc. node	6142 Dec 30 15:01	10° \mathcal{Z} 37'51	
	6142 Jan 12 20:54	30° \mathcal{R} \mathcal{Z}		inferior conj	6142 Dec 31 00:46	10° \mathcal{Z} 06'35	0°08'15
min. Earth dist.	6142 Jan 15 00:32	27° \mathcal{Z} 15'12	0.67883 AU	minimum elong	6142 Dec 31 00:34	10° \mathcal{Z} 07'16	0°08'12
inferior conj	6142 Jan 15 20:34	26° \mathcal{Z} 08'02	1°01'35	transit middle	6142 Dec 31 00:34	10° \mathcal{Z} 07'16	0°08'12
minimum elong	6142 Jan 15 19:09	26° \mathcal{Z} 12'44	1°01'04	transit begin	6142 Dec 30 22:08	10° \mathcal{Z} 15'01	
morning rise	6142 Jan 21 05:49	20° \mathcal{Z} 06'38		transit end	6142 Dec 31 02:59	9° \mathcal{Z} 59'32	
direct	6142 Jan 25 01:43	18° \mathcal{Z} 42'54		morning rise	6143 Jan 05 16:33	4° \mathcal{Z} 13'04	
morning max el	6142 Feb 01 18:19	23° \mathcal{Z} 04'24	20°09'28	direct	6143 Jan 09 00:35	3° \mathcal{Z} 09'06	
	6142 Feb 07 15:54	0° \approx		morning max el	6143 Jan 16 00:03	7° \mathcal{Z} 00'57	19°09'30
desc. node	6142 Feb 17 13:09	13° \approx 58'54		greatest brilliancy	6143 Jan 29 15:36	25° \mathcal{Z} 24'01	-0.7m
	6142 Feb 28 03:13	0° \mathcal{H}			6143 Feb 01 15:56	0° \approx	
morning set	6142 Mar 01 05:48	1° \mathcal{H} 42'27		desc. node	6143 Feb 04 10:08	4° \approx 14'58	
max. Earth dist.	6142 Mar 11 13:04	17° \mathcal{H} 53'13	1.43866 AU	morning set	6143 Feb 08 07:29	10° \approx 16'23	
					6143 Feb 20 23:00	0° \mathcal{H}	
superior conj	6142 Mar 17 07:14	27° \mathcal{H} 13'00	-2°09'37	max. Earth dist.	6143 Feb 22 03:42	1° \mathcal{H} 52'50	1.44985 AU
minimum elong	6142 Mar 17 05:53	27° \mathcal{H} 07'25	2°09'36				
	6142 Mar 18 23:45	0° \mathcal{Y}		superior conj	6143 Feb 24 23:47	6° \mathcal{H} 21'36	-1°55'36
evening rise	6142 Mar 30 04:01	18° \mathcal{Y} 58'06		minimum elong	6143 Feb 24 16:03	5° \mathcal{H} 51'01	1°55'04
	6142 Apr 05 13:48	0° \mathcal{B}		evening rise	6143 Mar 11 14:44	29° \mathcal{H} 58'44	
asc. node	6142 Apr 10 17:12	8° \mathcal{B} 20'57			6143 Mar 11 15:02	0° \mathcal{Y}	
evening max el	6142 Apr 16 19:20	16° \mathcal{B} 13'34	18°08'34	asc. node	6143 Mar 28 14:14	26° \mathcal{Y} 31'10	
retrograde	6142 Apr 23 05:35	19° \mathcal{B} 35'32		evening max el	6143 Mar 31 07:51	29° \mathcal{Y} 38'54	18°27'20
evening set	6142 Apr 26 01:17	18° \mathcal{B} 55'10			6143 Mar 31 16:25	0° \mathcal{B}	

retrograde	6143 Apr 06 19:22	3°♄10'07			6144 Feb 13 16:41	0°♄	
evening set	6143 Apr 09 21:42	2°♄16'54		evening rise	6144 Feb 20 02:14	10°♄03'58	
	6143 Apr 12 19:02	30°♄		greatest brilliancy	6144 Mar 01 01:22	25°♄44'14	-0.8m
inferior conj	6143 Apr 15 17:02	26°♄47'00	3°28'51		6144 Mar 03 20:02	0°♄	
minimum elong	6143 Apr 15 17:29	26°♄45'38	3°28'49	evening max el	6144 Mar 13 17:39	13°♄11'07	19°03'41
min. Earth dist.	6143 Apr 17 22:03	24°♄11'37	0.64514 AU	asc. node	6144 Mar 14 11:16	13°♄54'14	
morning rise	6143 Apr 21 12:29	20°♄34'03		retrograde	6144 Mar 20 14:40	17°♄03'22	
direct	6143 Apr 28 06:15	17°♄47'08		evening set	6144 Mar 24 00:09	15°♄56'26	
desc. node	6143 May 03 09:28	19°♄08'18		inferior conj	6144 Mar 29 13:05	10°♄10'05	3°26'50
morning max el	6143 May 11 20:36	25°♄44'08	27°24'05	minimum elong	6144 Mar 29 12:12	10°♄12'51	3°26'45
	6143 May 15 18:38	0°♄		min. Earth dist.	6144 Mar 31 02:33	8°♄11'06	0.66081 AU
	6143 Jun 05 11:46	0°♄		morning rise	6144 Apr 03 23:53	3°♄54'40	
morning set	6143 Jun 16 03:21	19°♄27'40		direct	6144 Apr 10 09:41	1°♄06'26	
max. Earth dist.	6143 Jun 20 20:52	28°♄59'09	1.33352 AU	desc. node	6144 Apr 19 06:29	5°♄05'39	
	6143 Jun 21 08:37	0°♄		morning max el	6144 Apr 23 06:38	8°♄45'14	26°26'25
					6144 May 09 21:42	0°♄	
superior conj	6143 Jun 24 06:36	6°♄07'38	-0°02'58		6144 May 27 22:49	0°♄	
minimum elong	6143 Jun 24 06:45	6°♄08'27	0°02'58	morning set	6144 May 29 07:18	2°♄31'26	
behind sun begin	6143 Jun 24 01:21	5°♄39'47		max. Earth dist.	6144 Jun 02 08:49	10°♄20'26	1.34779 AU
behind sun end	6143 Jun 24 12:09	6°♄37'09					
asc. node	6143 Jun 24 13:27	6°♄44'06		superior conj	6144 Jun 07 04:38	20°♄03'34	-0°32'44
evening rise	6143 Jul 01 10:50	21°♄27'41		minimum elong	6144 Jun 07 06:27	20°♄12'54	0°32'23
	6143 Jul 05 14:27	0°♄		asc. node	6144 Jun 10 10:29	26°♄47'28	
evening max el	6143 Jul 22 19:09	26°♄09'58	22°18'41		6144 Jun 11 23:18	0°♄	
	6143 Jul 27 13:13	0°♄		evening rise	6144 Jun 14 19:45	5°♄56'55	
desc. node	6143 Jul 30 08:42	1°♄28'44			6144 Jun 28 01:51	0°♄	
retrograde	6143 Aug 04 17:55	2°♄36'02		evening max el	6144 Jul 03 17:49	6°♄50'39	20°49'49
evening set	6143 Aug 07 19:39	2°♄15'12		retrograde	6144 Jul 15 06:05	12°♄30'48	
	6143 Aug 13 15:09	30°♄		desc. node	6144 Jul 16 05:44	12°♄28'26	
min. Earth dist.	6143 Aug 16 01:33	28°♄40'31	0.55019 AU	evening set	6144 Jul 17 09:09	12°♄19'58	
inferior conj	6143 Aug 16 23:21	28°♄09'44	-4°36'32	inferior conj	6144 Jul 26 16:12	8°♄22'57	-3°02'44
minimum elong	6143 Aug 16 15:04	28°♄21'27	4°34'48	minimum elong	6144 Jul 26 08:06	8°♄34'27	3°00'03
morning rise	6143 Aug 25 12:14	24°♄20'23		min. Earth dist.	6144 Jul 27 11:47	7°♄55'08	0.54790 AU
direct	6143 Aug 28 17:09	23°♄57'14		morning rise	6144 Aug 04 06:57	4°♄22'37	
morning max el	6143 Sep 09 09:01	29°♄24'31	21°20'00	direct	6144 Aug 08 02:04	3°♄51'42	
	6143 Sep 09 23:55	0°♄		morning max el	6144 Aug 21 03:10	10°♄06'47	23°00'03
asc. node	6143 Sep 20 12:45	14°♄16'50			6144 Sep 04 14:59	0°♄	
	6143 Sep 28 18:05	0°♄		asc. node	6144 Sep 06 09:46	3°♄15'27	
morning set	6143 Sep 29 12:01	1°♄32'49		morning set	6144 Sep 12 23:03	16°♄23'38	
					6144 Sep 19 07:19	0°♄	
superior conj	6143 Oct 06 19:16	16°♄51'19	1°42'43				
minimum elong	6143 Oct 06 19:30	16°♄52'37	1°42'44	superior conj	6144 Sep 19 23:48	1°♄28'20	1°40'37
max. Earth dist.	6143 Oct 11 02:44	25°♄38'29	1.35228 AU	minimum elong	6144 Sep 19 22:48	1°♄23'04	1°40'35
	6143 Oct 13 07:53	0°♄		max. Earth dist.	6144 Sep 22 21:50	7°♄39'19	1.33737 AU
evening rise	6143 Oct 15 07:33	3°♄48'27		evening rise	6144 Sep 27 17:57	17°♄30'49	
desc. node	6143 Oct 26 07:53	23°♄10'43			6144 Oct 04 08:54	0°♄	
	6143 Oct 30 15:32	0°♄		desc. node	6144 Oct 12 04:56	13°♄12'54	
evening max el	6143 Nov 19 16:24	25°♄39'21	26°36'33		6144 Oct 23 23:55	0°♄	
	6143 Nov 24 21:35	0°♄		evening max el	6144 Nov 01 05:08	9°♄09'28	27°15'50
retrograde	6143 Dec 02 15:54	2°♄54'31		retrograde	6144 Nov 14 15:37	16°♄27'45	
evening set	6143 Dec 09 03:22	0°♄18'16		evening set	6144 Nov 21 13:29	13°♄49'13	
	6143 Dec 09 12:07	30°♄		min. Earth dist.	6144 Nov 25 09:51	10°♄13'11	0.64787 AU
min. Earth dist.	6143 Dec 13 05:35	26°♄07'37	0.66167 AU	inferior conj	6144 Nov 27 16:11	7°♄45'02	-1°54'25
inferior conj	6143 Dec 15 00:05	24°♄00'55	-0°50'52	minimum elong	6144 Nov 27 19:34	7°♄35'47	1°53'01
minimum elong	6143 Dec 15 01:31	23°♄56'40	0°50'14	asc. node	6144 Dec 03 09:04	2°♄38'07	
asc. node	6143 Dec 17 12:01	21°♄10'16		morning rise	6144 Dec 04 02:54	2°♄15'29	
morning rise	6143 Dec 21 00:27	18°♄17'50		direct	6144 Dec 06 17:16	1°♄40'10	
direct	6143 Dec 23 22:34	17°♄30'05		morning max el	6144 Dec 13 04:16	5°♄05'07	17°58'36
morning max el	6143 Dec 30 12:13	21°♄03'31	18°25'38		6144 Dec 29 20:30	0°♄	
	6144 Jan 06 13:03	0°♄		morning set	6144 Dec 30 17:39	1°♄28'15	
morning set	6144 Jan 19 09:48	20°♄08'32		desc. node	6145 Jan 08 04:09	15°♄24'17	
desc. node	6144 Jan 22 07:09	24°♄45'07					
	6144 Jan 25 14:24	0°♄		superior conj	6145 Jan 13 14:23	24°♄09'10	-0°37'34
				minimum elong	6145 Jan 13 09:52	23°♄51'08	0°36'54
superior conj	6144 Feb 04 03:38	15°♄02'42	-1°22'22		6145 Jan 17 06:46	0°♄	
minimum elong	6144 Feb 03 18:27	14°♄26'44	1°21'20	max. Earth dist.	6145 Jan 17 18:20	0°♄45'37	1.45058 AU
max. Earth dist.	6144 Feb 04 22:32	16°♄16'45	1.45396 AU	evening rise	6145 Jan 29 19:04	19°♄28'50	

	6145 Feb 05 15:52	0° H		max. Earth dist.	6145 Dec 31 11:44	15° Z 00'13	1.44017 AU
greatest brilliancy	6145 Feb 13 01:56	11° H 09'00	-0.6m	evening rise	6146 Jan 09 05:37	28° Z 45'08	
evening max el	6145 Feb 24 22:52	26° H 45'39	19°56'06		6146 Jan 10 01:03	0° \approx	
	6145 Feb 28 20:44	0° Y			6146 Jan 30 11:13	0° H	
asc. node	6145 Mar 01 08:19	0° Y 16'22		evening max el	6146 Feb 07 22:34	10° H 21'01	21°02'02
retrograde	6145 Mar 04 12:37	1° Y 09'13		retrograde	6146 Feb 16 10:57	15° H 23'02	
	6145 Mar 07 23:17	30° R H		asc. node	6146 Feb 16 05:22	15° H 22'45	
evening set	6145 Mar 08 06:12	29° H 47'53		evening set	6146 Feb 20 13:55	13° H 46'49	
inferior conj	6145 Mar 13 15:30	23° H 47'00	3°11'50	inferior conj	6146 Feb 25 21:48	7° H 34'00	2°46'17
minimum elong	6145 Mar 13 13:41	23° H 53'04	3°11'32	minimum elong	6146 Feb 25 19:31	7° H 41'55	2°45'44
min. Earth dist.	6145 Mar 14 14:21	22° H 30'21	0.67212 AU	min. Earth dist.	6146 Feb 26 07:28	7° H 00'37	0.67910 AU
morning rise	6145 Mar 18 20:57	17° H 31'43		morning rise	6146 Mar 03 00:56	1° H 20'28	
direct	6145 Mar 24 18:45	14° H 53'21			6146 Mar 04 20:16	30° R \approx	
morning max el	6145 Apr 05 15:53	21° H 59'39	25°08'28	direct	6146 Mar 08 08:45	28° \approx 59'38	
desc. node	6145 Apr 06 03:30	22° H 29'21			6146 Mar 12 04:57	0° H	
	6145 Apr 12 15:37	0° Y		morning max el	6146 Mar 19 00:51	5° H 21'12	23°40'17
	6145 May 03 04:18	0° B		desc. node	6146 Mar 24 00:31	10° H 55'08	
morning set	6145 May 11 18:57	14° B 45'14			6146 Apr 07 01:00	0° Y	
max. Earth dist.	6145 May 15 10:26	21° B 24'42	1.36632 AU	morning set	6146 Apr 23 08:32	25° Y 53'35	
	6145 May 19 22:44	0° II			6146 Apr 25 17:52	0° B	
				max. Earth dist.	6146 Apr 27 06:17	2° B 39'18	1.38779 AU
superior conj	6145 May 21 17:13	3° II 28'00	-1°03'12				
minimum elong	6145 May 21 20:50	3° II 45'53	1°02'35	superior conj	6146 May 04 16:35	16° B 11'08	-1°31'59
asc. node	6145 May 28 07:33	16° II 43'34		minimum elong	6146 May 04 21:37	16° B 34'48	1°31'21
evening rise	6145 May 30 00:04	20° II 08'29			6146 May 11 21:01	0° II	
	6145 Jun 04 00:27	0° E		evening rise	6146 May 13 21:03	3° II 54'10	
evening max el	6145 Jun 16 05:09	18° E 12'03	19°38'35	asc. node	6146 May 15 04:36	6° II 27'24	
retrograde	6145 Jun 26 00:13	23° E 00'21			6146 May 29 21:54	0° E	
evening set	6145 Jun 27 21:40	22° E 50'21		evening max el	6146 May 30 04:01	0° E 15'11	18°47'38
desc. node	6145 Jul 03 02:46	20° E 54'13		retrograde	6146 Jun 07 10:17	4° E 19'19	
inferior conj	6145 Jul 06 16:49	18° E 46'36	-1°04'52	evening set	6146 Jun 09 12:03	4° E 04'53	
minimum elong	6145 Jul 06 13:52	18° E 51'15	1°03'47	inferior conj	6146 Jun 17 11:56	29° II 44'39	0°43'47
min. Earth dist.	6145 Jul 09 00:27	17° E 19'29	0.55514 AU	minimum elong	6146 Jun 17 13:35	29° II 41'38	0°43'08
morning rise	6145 Jul 15 03:45	14° E 16'29			6146 Jun 17 03:31	30° R II	
direct	6145 Jul 19 17:46	13° E 29'46		desc. node	6146 Jun 19 23:48	27° II 55'17	
morning max el	6145 Aug 02 16:40	20° E 27'27	24°44'22	min. Earth dist.	6146 Jun 20 16:58	27° II 24'57	0.57056 AU
	6145 Aug 10 20:59	0° O		morning rise	6146 Jun 25 11:42	24° II 37'35	
asc. node	6145 Aug 24 06:49	22° O 40'35		direct	6146 Jun 30 23:30	23° II 24'08	
	6145 Aug 27 20:31	0° P			6146 Jul 14 09:04	0° E	
morning set	6145 Aug 28 10:50	1° P 15'44		morning max el	6146 Jul 15 07:51	0° E 53'36	26°16'55
					6146 Aug 04 19:44	0° O	
superior conj	6145 Sep 04 08:49	16° P 17'27	1°32'33	asc. node	6146 Aug 11 03:52	12° O 24'02	
minimum elong	6145 Sep 04 06:59	16° P 07'25	1°32'22	morning set	6146 Aug 12 21:40	16° O 02'50	
max. Earth dist.	6145 Sep 06 01:06	19° P 56'41	1.32671 AU		6146 Aug 19 07:21	0° P	
	6145 Sep 10 18:49	0° L					
evening rise	6145 Sep 11 14:36	1° L 41'43		superior conj	6146 Aug 19 20:09	1° P 10'44	1°19'14
	6145 Sep 27 06:26	0° L		minimum elong	6146 Aug 19 17:54	0° P 58'18	1°18'54
desc. node	6145 Sep 29 01:59	2° L 47'30		max. Earth dist.	6146 Aug 20 09:52	2° P 26'29	1.32036 AU
evening max el	6145 Oct 14 15:50	22° L 14'33	27°27'33	evening rise	6146 Aug 26 18:24	16° P 11'24	
retrograde	6145 Oct 28 08:54	29° L 30'40			6146 Sep 02 17:08	0° L	
evening set	6145 Nov 04 12:27	26° L 58'53		desc. node	6146 Sep 15 23:02	21° L 42'25	
min. Earth dist.	6145 Nov 08 04:30	23° L 54'00	0.63087 AU		6146 Sep 22 10:43	0° L	
inferior conj	6145 Nov 10 22:22	21° L 12'45	-2°59'52	evening max el	6146 Sep 26 22:00	4° L 41'25	27°07'06
minimum elong	6145 Nov 11 03:43	20° L 59'38	2°57'56	retrograde	6146 Oct 10 19:00	11° L 53'18	
morning rise	6145 Nov 17 20:43	16° L 00'09		evening set	6146 Oct 17 20:25	9° L 39'56	
direct	6145 Nov 20 05:47	15° L 33'35		min. Earth dist.	6146 Oct 21 12:34	6° L 57'29	0.61122 AU
asc. node	6145 Nov 20 06:06	15° L 33'35		inferior conj	6146 Oct 24 15:25	4° L 15'44	-4°02'41
morning max el	6145 Nov 26 21:17	18° L 59'02	17°48'57	minimum elong	6146 Oct 24 22:00	4° L 01'28	4°00'49
	6145 Dec 04 22:48	0° J			6146 Oct 30 12:33	30° R L	
morning set	6145 Dec 13 02:15	13° J 59'14		morning rise	6146 Nov 01 01:40	29° L 23'11	
	6145 Dec 22 08:50	0° Z		direct	6146 Nov 03 08:23	29° L 02'04	
				asc. node	6146 Nov 07 03:08	0° L 02'43	
superior conj	6145 Dec 24 23:36	4° Z 22'52	0°07'37		6146 Nov 07 01:05	0° L	
minimum elong	6145 Dec 25 00:23	4° Z 26'07	0°07'33	morning max el	6146 Nov 10 12:00	2° L 36'42	17°57'47
behind sun begin	6145 Dec 24 16:05	3° Z 51'34		morning set	6146 Nov 26 05:10	27° L 21'56	
behind sun end	6145 Dec 25 08:41	5° Z 00'35			6146 Nov 27 15:33	0° J	
desc. node	6145 Dec 26 01:12	6° Z 08'56					

superior conj	6146 Dec 06 11:01	15° ♄ 52'30	0°45'33	max. Earth dist.	6147 Nov 26 08:14	11° ♄ 48'01	1.40411 AU
minimum elong	6146 Dec 06 14:27	16° ♄ 07'30	0°45'05	desc. node	6147 Nov 29 19:14	17° ♄ 40'32	
desc. node	6146 Dec 12 22:14	26° ♄ 55'35		evening rise	6147 Nov 30 17:19	19° ♄ 12'25	
max. Earth dist.	6146 Dec 14 00:26	28° ♄ 44'20	1.42401 AU		6147 Dec 07 10:18	0° ♄	
	6146 Dec 14 18:47	0° ♄			6147 Dec 28 13:49	0° ♄	
evening rise	6146 Dec 20 01:28	8° ♄ 31'11		evening max el	6148 Jan 04 07:55	7° ♄ 38'37	23°37'35
	6147 Jan 03 05:17	0° ♄		retrograde	6148 Jan 15 01:31	13° ♄ 58'41	
evening max el	6147 Jan 21 17:04	23° ♄ 58'12	22°17'38	evening set	6148 Jan 20 03:38	11° ♄ 52'05	
retrograde	6147 Jan 31 07:45	29° ♄ 41'00		asc. node	6148 Jan 20 23:26	11° ♄ 06'57	
asc. node	6147 Feb 03 02:24	29° ♄ 00'47		min. Earth dist.	6148 Jan 25 00:19	6° ♄ 12'18	0.68102 AU
evening set	6147 Feb 04 21:36	27° ♄ 49'33		inferior conj	6148 Jan 25 13:54	5° ♄ 25'52	1°29'19
inferior conj	6147 Feb 10 05:54	21° ♄ 28'06	2°11'47	minimum elong	6148 Jan 25 12:02	5° ♄ 32'16	1°28'40
minimum elong	6147 Feb 10 03:36	21° ♄ 36'08	2°11'05		6148 Jan 30 01:53	30° ♄	
min. Earth dist.	6147 Feb 10 03:35	21° ♄ 36'11	0.68197 AU	morning rise	6148 Jan 30 20:23	29° ♄ 20'37	
morning rise	6147 Feb 15 09:27	15° ♄ 17'52		direct	6148 Feb 03 23:53	27° ♄ 44'03	
direct	6147 Feb 20 02:51	13° ♄ 18'36			6148 Feb 09 10:46	0° ♄	
morning max el	6147 Mar 01 12:13	18° ♄ 49'41	22°11'43	morning max el	6148 Feb 12 05:28	2° ♄ 27'56	20°50'35
desc. node	6147 Mar 10 21:31	0° ♄ 05'35		desc. node	6148 Feb 25 18:30	19° ♄ 47'48	
	6147 Mar 10 19:51	0° ♄			6148 Mar 03 17:11	0° ♄	
	6147 Mar 31 04:49	0° ♄		morning set	6148 Mar 13 02:14	14° ♄ 20'29	
morning set	6147 Apr 03 18:46	5° ♄ 43'45		max. Earth dist.	6148 Mar 21 07:36	27° ♄ 25'35	1.42945 AU
max. Earth dist.	6147 Apr 09 03:32	14° ♄ 34'45	1.40978 AU		6148 Mar 22 21:29	0° ♄	
superior conj	6147 Apr 16 22:16	28° ♄ 02'48	-1°55'32	superior conj	6148 Mar 28 05:19	8° ♄ 51'20	-2°08'54
minimum elong	6147 Apr 17 03:15	28° ♄ 24'59	1°55'10	minimum elong	6148 Mar 28 07:17	8° ♄ 59'39	2°08'51
	6147 Apr 18 00:29	0° ♄		evening rise	6148 Apr 09 02:19	29° ♄ 32'14	
evening rise	6147 Apr 27 07:13	17° ♄ 05'34			6148 Apr 09 08:34	0° ♄	
asc. node	6147 May 02 01:40	25° ♄ 54'14		asc. node	6148 Apr 17 22:41	14° ♄ 57'22	
	6147 May 04 09:03	0° ♄		evening max el	6148 Apr 25 22:54	25° ♄ 56'21	18°06'13
evening max el	6147 May 13 11:10	12° ♄ 53'25	18°17'04	retrograde	6148 May 02 12:24	29° ♄ 18'32	
retrograde	6147 May 20 15:11	16° ♄ 28'24		evening set	6148 May 05 04:27	28° ♄ 44'55	
evening set	6147 May 23 00:11	16° ♄ 05'40		inferior conj	6148 May 11 16:54	23° ♄ 44'01	2°56'19
inferior conj	6147 May 30 04:42	11° ♄ 25'14	2°04'53	minimum elong	6148 May 11 19:41	23° ♄ 37'08	2°55'45
minimum elong	6147 May 30 08:02	11° ♄ 18'07	2°03'54	min. Earth dist.	6148 May 14 20:01	20° ♄ 40'13	0.61344 AU
min. Earth dist.	6147 Jun 02 14:51	8° ♄ 31'10	0.59119 AU	morning rise	6148 May 18 08:54	17° ♄ 45'54	
morning rise	6147 Jun 06 12:51	5° ♄ 47'23		desc. node	6148 May 23 17:49	15° ♄ 33'16	
desc. node	6147 Jun 06 20:49	5° ♄ 36'29		direct	6148 May 25 02:20	15° ♄ 27'48	
direct	6147 Jun 12 19:22	4° ♄ 00'25		morning max el	6148 Jun 08 07:37	23° ♄ 26'29	27°52'24
morning max el	6147 Jun 27 04:34	11° ♄ 49'22	27°22'34		6148 Jun 14 04:14	0° ♄	
	6147 Jul 11 10:11	0° ♄			6148 Jul 03 16:08	0° ♄	
	6147 Jul 27 22:15	0° ♄		morning set	6148 Jul 11 09:35	15° ♄ 01'03	
morning set	6147 Jul 28 05:52	0° ♄ 39'50		asc. node	6148 Jul 14 21:56	22° ♄ 23'50	
asc. node	6147 Jul 29 00:54	2° ♄ 20'06		max. Earth dist.	6148 Jul 17 06:04	27° ♄ 27'03	1.32070 AU
					6148 Jul 18 10:03	0° ♄	
superior conj	6147 Aug 04 07:57	16° ♄ 02'13	1°01'15	superior conj	6148 Jul 18 18:28	0° ♄ 46'09	0°39'04
minimum elong	6147 Aug 04 05:46	15° ♄ 50'04	1°00'49	minimum elong	6148 Jul 18 16:48	0° ♄ 37'03	0°38'42
max. Earth dist.	6147 Aug 03 20:44	15° ♄ 00'09	1.31836 AU	evening rise	6148 Jul 25 14:00	15° ♄ 38'44	
	6147 Aug 10 17:02	0° ♄			6148 Aug 01 16:20	0° ♄	
evening rise	6147 Aug 11 02:54	0° ♄ 52'35		desc. node	6148 Aug 19 17:04	26° ♄ 23'28	
	6147 Aug 26 20:58	0° ♄		evening max el	6148 Aug 20 13:21	27° ♄ 13'15	24°51'32
desc. node	6147 Sep 02 20:04	9° ♄ 41'46			6148 Aug 23 18:42	0° ♄	
evening max el	6147 Sep 08 21:24	16° ♄ 21'00	26°13'19	retrograde	6148 Sep 03 10:34	4° ♄ 13'19	
retrograde	6147 Sep 22 20:17	23° ♄ 27'54		evening set	6148 Sep 08 20:37	3° ♄ 07'09	
evening set	6147 Sep 29 08:34	21° ♄ 44'53		min. Earth dist.	6148 Sep 14 00:40	0° ♄ 21'56	0.57091 AU
min. Earth dist.	6147 Oct 03 10:35	19° ♄ 10'07	0.59044 AU	inferior conj	6148 Sep 14 14:22	30° ♄	
inferior conj	6147 Oct 06 15:50	16° ♄ 44'42	-4°54'39	minimum elong	6148 Sep 16 20:39	28° ♄ 30'47	-5°22'22
minimum elong	6147 Oct 06 21:34	16° ♄ 33'50	4°53'39	morning rise	6148 Sep 16 22:06	28° ♄ 28'25	5°22'20
morning rise	6147 Oct 14 12:49	12° ♄ 14'30		direct	6148 Sep 25 01:50	24° ♄ 22'55	
direct	6147 Oct 16 20:57	11° ♄ 55'49		morning max el	6148 Sep 27 15:37	24° ♄ 04'08	
morning max el	6147 Oct 24 20:57	15° ♄ 48'37	18°26'31		6148 Oct 06 20:42	28° ♄ 25'03	19°16'47
asc. node	6147 Oct 25 00:11	15° ♄ 56'25		asc. node	6148 Oct 08 09:51	0° ♄	
	6147 Nov 03 19:15	0° ♄		morning set	6148 Oct 10 21:12	3° ♄ 00'01	
morning set	6147 Nov 09 20:55	11° ♄ 20'43			6148 Oct 23 21:32	25° ♄ 44'31	
superior conj	6147 Nov 18 21:07	28° ♄ 27'25	1°13'31	superior conj	6148 Oct 26 00:39	0° ♄	
minimum elong	6147 Nov 19 00:46	28° ♄ 44'13	1°13'07				
	6147 Nov 19 17:14	0° ♄					
				superior conj	6148 Nov 01 00:42	11° ♄ 53'24	1°31'35

minimum elong	6148 Nov 01 03:16	12°♍05'51	1°31'24	superior conj	6149 Oct 15 16:51	25°♊55'32	1°40'52
max. Earth dist.	6148 Nov 07 13:41	24°♍13'04	1.38286 AU	minimum elong	6149 Oct 15 17:56	26°♊01'02	1°40'51
	6148 Nov 10 19:15	0°♊			6149 Oct 17 17:24	0°♍	
evening rise	6148 Nov 11 07:52	0°♊55'16		max. Earth dist.	6149 Oct 20 20:57	6°♍10'52	1.36264 AU
desc. node	6148 Nov 15 16:16	8°♊20'28		evening rise	6149 Oct 24 18:36	13°♍32'25	
	6148 Nov 29 16:40	0°♊		desc. node	6149 Nov 02 13:19	28°♍50'11	
evening max el	6148 Dec 16 21:03	21°♊23'03	24°55'19		6149 Nov 03 06:21	0°♊	
retrograde	6148 Dec 28 15:10	28°♊12'30			6149 Nov 24 14:17	0°♊	
evening set	6149 Jan 03 06:33	25°♊51'43		evening max el	6149 Nov 29 09:45	5°♊07'26	26°03'55
asc. node	6149 Jan 06 20:27	22°♊00'01		retrograde	6149 Dec 12 00:01	12°♊16'26	
min. Earth dist.	6149 Jan 07 19:22	20°♊46'15	0.67642 AU	evening set	6149 Dec 18 04:36	9°♊44'13	
inferior conj	6149 Jan 08 20:02	19°♊25'05	0°39'46	min. Earth dist.	6149 Dec 22 10:26	5°♊13'40	0.66813 AU
minimum elong	6149 Jan 08 19:05	19°♊28'14	0°39'24	inferior conj	6149 Dec 23 22:24	3°♊21'58	-0°16'10
morning rise	6149 Jan 14 07:48	13°♊26'46		minimum elong	6149 Dec 23 22:50	3°♊20'38	0°15'58
direct	6149 Jan 17 22:33	12°♊11'38		transit middle	6149 Dec 23 22:50	3°♊20'38	0°15'58
morning max el	6149 Jan 25 06:44	16°♊18'37	19°42'04	transit begin	6149 Dec 23 22:26	3°♊21'51	
	6149 Feb 04 23:28	0°♊		transit end	6149 Dec 23 23:13	3°♊19'25	
greatest brilliancy	6149 Feb 07 05:18	3°♊16'41	-0.7m	asc. node	6149 Dec 24 17:28	2°♊23'08	
desc. node	6149 Feb 11 15:31	9°♊53'30			6149 Dec 26 19:22	30°♋♊	
morning set	6149 Feb 19 22:41	22°♊34'03		morning rise	6149 Dec 29 17:37	27°♋♊24'49	
	6149 Feb 24 17:49	0°♋		direct	6150 Jan 01 21:14	26°♋♊36'14	
max. Earth dist.	6149 Mar 03 19:30	11°♋06'38	1.44428 AU		6150 Jan 08 07:56	0°♊	
				morning max el	6150 Jan 08 15:33	0°♊18'35	18°48'50
superior conj	6149 Mar 08 10:58	18°♋32'31	-2°06'10		6150 Jan 29 08:27	0°♊	
minimum elong	6149 Mar 08 06:44	18°♋15'26	2°06'00	desc. node	6150 Jan 29 12:33	0°♊16'05	
	6149 Mar 15 11:07	0°♋		morning set	6150 Jan 30 09:10	1°♊36'53	
evening rise	6149 Mar 22 01:56	11°♋05'50		max. Earth dist.	6150 Feb 14 12:36	25°♊19'42	1.45250 AU
	6149 Apr 02 11:26	0°♋					
asc. node	6149 Apr 04 19:42	3°♋29'20		superior conj	6150 Feb 15 19:58	27°♊22'52	-1°43'33
evening max el	6149 Apr 09 11:55	9°♋15'15	18°14'21	minimum elong	6150 Feb 15 10:43	26°♊46'32	1°42'44
retrograde	6149 Apr 15 21:29	12°♋39'27			6150 Feb 17 11:55	0°♋	
evening set	6149 Apr 18 20:05	11°♋53'33		evening rise	6150 Mar 03 02:43	21°♋42'12	
inferior conj	6149 Apr 24 20:32	6°♋33'32	3°22'46		6150 Mar 08 05:58	0°♋	
minimum elong	6149 Apr 24 21:53	6°♋29'47	3°22'37	greatest brilliancy	6150 Mar 09 07:14	1°♋41'49	-0.9m
min. Earth dist.	6149 Apr 27 10:13	3°♋42'55	0.63438 AU	asc. node	6150 Mar 22 16:43	21°♋20'44	
morning rise	6149 Apr 30 22:33	0°♋24'03		evening max el	6150 Mar 23 23:28	22°♋43'32	18°40'43
	6149 May 01 11:19	30°♋♋		retrograde	6150 Mar 30 14:10	26°♋22'41	
direct	6149 May 07 18:13	27°♋44'20		evening set	6150 Apr 02 19:24	25°♋23'43	
desc. node	6149 May 10 14:50	28°♋09'24		inferior conj	6150 Apr 08 11:36	19°♋46'20	3°29'48
	6149 May 14 16:00	0°♋		minimum elong	6150 Apr 08 11:27	19°♋46'46	3°29'47
morning max el	6149 May 21 15:36	5°♋44'38	27°44'29	min. Earth dist.	6150 Apr 10 09:53	17°♋25'25	0.65222 AU
	6149 Jun 09 00:50	0°♋		morning rise	6150 Apr 14 02:56	13°♋31'43	
morning set	6149 Jun 25 06:31	28°♋59'23		direct	6150 Apr 20 17:45	10°♋42'56	
	6149 Jun 25 18:36	0°♋		desc. node	6150 Apr 27 11:51	13°♋02'49	
max. Earth dist.	6149 Jun 30 09:54	9°♋34'46	1.32752 AU	morning max el	6150 May 04 01:48	18°♋34'18	27°02'50
asc. node	6149 Jul 01 18:57	12°♋30'32			6150 May 13 17:11	0°♋	
					6150 Jun 02 00:05	0°♋	
superior conj	6149 Jul 03 01:50	15°♋16'20	0°13'17	morning set	6150 Jun 08 17:46	12°♋26'33	
minimum elong	6149 Jul 03 01:11	15°♋12'52	0°13'06	max. Earth dist.	6150 Jun 13 04:29	21°♋13'56	1.33897 AU
behind sun begin	6149 Jul 02 22:08	14°♋56'25					
behind sun end	6149 Jul 03 04:14	15°♋29'20		superior conj	6150 Jun 17 03:59	29°♋26'45	-0°15'23
	6149 Jul 09 21:25	0°♋		minimum elong	6150 Jun 17 04:48	29°♋31'03	0°15'14
evening rise	6149 Jul 10 01:46	0°♋23'07		behind sun begin	6150 Jun 17 03:02	29°♋21'48	
	6149 Jul 26 14:14	0°♋		behind sun end	6150 Jun 17 06:34	29°♋40'18	
evening max el	6149 Aug 02 01:24	7°♋34'13	23°14'39		6150 Jun 17 10:19	0°♋	
desc. node	6149 Aug 06 14:06	11°♋17'25		asc. node	6150 Jun 18 15:59	2°♋36'23	
retrograde	6149 Aug 15 12:22	14°♋18'25		evening rise	6150 Jun 24 12:19	14°♋59'47	
evening set	6149 Aug 19 10:29	13°♋44'45			6150 Jul 02 02:08	0°♋	
min. Earth dist.	6149 Aug 26 10:30	10°♋32'10	0.55572 AU	evening max el	6150 Jul 14 17:56	17°♋58'26	21°39'08
inferior conj	6149 Aug 28 05:35	9°♋29'15	-5°08'33	desc. node	6150 Jul 24 11:07	23°♋50'16	
minimum elong	6149 Aug 28 00:14	9°♋37'06	5°07'54	retrograde	6150 Jul 27 03:53	24°♋07'34	
morning rise	6149 Sep 05 16:17	5°♋37'43		evening set	6150 Jul 29 17:42	23°♋52'32	
direct	6149 Sep 08 14:58	5°♋16'54		inferior conj	6150 Aug 08 00:48	19°♋51'55	-4°01'55
morning max el	6149 Sep 19 08:34	10°♋16'42	20°29'12	minimum elong	6150 Aug 07 15:42	20°♋04'38	3°59'28
asc. node	6149 Sep 27 18:13	20°♋57'45		min. Earth dist.	6150 Aug 07 20:10	19°♋58'24	0.54802 AU
	6149 Oct 02 22:11	0°♋		morning rise	6150 Aug 16 14:56	16°♋00'35	
morning set	6149 Oct 08 03:54	10°♋23'38		direct	6150 Aug 20 01:04	15°♋35'05	

morning max el	6150 Sep 01 08:28	21°Ω22'38	22°01'08	morning rise	6151 Jul 27 09:07	25°♄53'51	
	6150 Sep 08 15:47	0°♍		direct	6151 Jul 31 11:36	25°♄17'23	
asc. node	6150 Sep 14 15:16	9°♍37'15			6151 Aug 11 20:16	0°Ω	
morning set	6150 Sep 22 13:47	25°♍11'43		morning max el	6151 Aug 13 23:53	1°Ω52'37	23°44'45
	6150 Sep 24 20:25	0°♎		asc. node	6151 Sep 01 12:20	28°Ω47'56	
					6151 Sep 02 03:12	0°♍	
superior conj	6150 Sep 29 17:46	10°♎22'43	1°42'36	morning set	6151 Sep 07 01:20	10°♍03'26	
minimum elong	6150 Sep 29 17:27	10°♎21'04	1°42'37				
max. Earth dist.	6150 Oct 03 10:41	18°♎03'45	1.34545 AU	superior conj	6151 Sep 14 00:31	25°♍05'52	1°37'53
evening rise	6150 Oct 07 21:33	26°♎54'04		minimum elong	6151 Sep 13 23:07	24°♍58'19	1°37'47
	6150 Oct 09 12:30	0°♏			6151 Sep 16 07:18	0°♎	
desc. node	6150 Oct 20 10:21	19°♏04'13		max. Earth dist.	6151 Sep 16 09:14	0°♎10'13	1.33229 AU
	6150 Oct 27 14:20	0°♐		evening rise	6151 Sep 21 12:44	10°♎49'53	
evening max el	6150 Nov 11 22:34	18°♐45'12	26°56'03		6151 Oct 01 20:08	0°♏	
retrograde	6150 Nov 25 03:29	26°♐03'20		desc. node	6151 Oct 07 07:23	8°♏55'48	
evening set	6150 Dec 01 19:49	23°♐24'51			6151 Oct 23 07:53	0°♐	
min. Earth dist.	6150 Dec 05 19:18	19°♐29'18	0.65624 AU	evening max el	6151 Oct 25 10:45	2°♐06'39	27°24'32
inferior conj	6150 Dec 07 18:57	17°♐12'16	-1°17'25	retrograde	6151 Nov 08 00:53	9°♐25'04	
minimum elong	6150 Dec 07 21:10	17°♐05'51	1°16'27	evening set	6151 Nov 15 01:40	6°♐48'15	
asc. node	6150 Dec 11 14:31	13°♐13'07		min. Earth dist.	6151 Nov 18 19:54	3°♐25'53	0.64097 AU
morning rise	6150 Dec 13 23:33	11°♐34'49		inferior conj	6151 Nov 21 07:15	0°♐50'50	-2°22'11
direct	6150 Dec 16 18:00	10°♐52'59		minimum elong	6151 Nov 21 11:29	0°♐39'43	2°20'30
morning max el	6150 Dec 23 05:47	14°♐21'47	18°12'01		6151 Nov 22 02:48	30°♑♏	
	6151 Jan 03 12:38	0°♑		morning rise	6151 Nov 27 22:48	25°♏27'59	
morning set	6151 Jan 11 00:11	12°♑06'40		asc. node	6151 Nov 28 11:35	25°♏16'12	
desc. node	6151 Jan 16 09:35	20°♑50'24		direct	6151 Nov 30 10:27	24°♏56'56	
	6151 Jan 22 03:08	0°♒		morning max el	6151 Dec 06 22:39	28°♏21'27	17°52'14
					6151 Dec 08 11:10	0°♐	
superior conj	6151 Jan 26 00:17	6°♒08'07	-1°04'05	morning set	6151 Dec 23 19:27	23°♐59'44	
minimum elong	6151 Jan 25 16:38	5°♒37'57	1°03'06		6151 Dec 27 08:20	0°♑	
max. Earth dist.	6151 Jan 28 07:47	9°♒46'08	1.45338 AU	desc. node	6152 Jan 03 06:37	11°♑32'33	
	6151 Feb 10 06:55	0°♒					
evening rise	6151 Feb 11 05:12	1°♒26'48		superior conj	6152 Jan 05 19:30	15°♑40'48	-0°17'54
greatest brilliancy	6151 Feb 23 06:14	20°♒03'48	-0.7m	minimum elong	6152 Jan 05 17:27	15°♑32'30	0°17'33
	6151 Mar 02 02:47	0°♓		max. Earth dist.	6152 Jan 11 02:33	24°♑10'03	1.44695 AU
evening max el	6151 Mar 07 07:24	6°♓16'25	19°24'11		6152 Jan 14 19:24	0°♒	
asc. node	6151 Mar 09 13:45	8°♓19'21		evening rise	6152 Jan 21 17:31	10°♒43'41	
retrograde	6151 Mar 14 10:56	10°♓21'20			6152 Feb 03 11:41	0°♒	
evening set	6151 Mar 17 23:37	9°♓08'33		evening max el	6152 Feb 18 10:24	19°♒52'01	20°22'44
inferior conj	6151 Mar 23 10:42	3°♓15'45	3°21'53	asc. node	6152 Feb 24 10:48	24°♒11'26	
minimum elong	6151 Mar 23 09:22	3°♓20'05	3°21'44	retrograde	6152 Feb 26 09:15	24°♒31'11	
min. Earth dist.	6151 Mar 24 17:51	1°♓34'07	0.66608 AU	evening set	6152 Mar 01 06:36	23°♒03'47	
	6151 Mar 25 23:44	30°♓♒		inferior conj	6152 Mar 06 15:04	16°♒57'42	3°02'09
morning rise	6151 Mar 28 18:48	26°♒59'52		minimum elong	6152 Mar 06 13:00	17°♒04'45	3°01'45
direct	6151 Apr 03 23:47	24°♒14'29		min. Earth dist.	6152 Mar 07 08:14	15°♒59'15	0.67565 AU
desc. node	6151 Apr 14 08:53	29°♒39'57		morning rise	6152 Mar 11 19:11	10°♒42'56	
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morning max el	6151 Apr 16 11:39	1°♓42'12	25°55'10	morning max el	6152 Mar 28 20:23	14°♒59'31	24°31'28
	6151 May 07 19:19	0°♔		desc. node	6152 Mar 31 05:55	17°♒32'40	
morning set	6151 May 22 15:24	25°♔10'34			6152 Apr 10 03:17	0°♓	
	6151 May 25 05:20	0°♕			6152 Apr 29 17:03	0°♔	
max. Earth dist.	6151 May 26 11:29	2°♕23'54	1.35511 AU	morning set	6152 May 03 18:20	6°♔58'00	
				max. Earth dist.	6152 May 07 09:18	13°♔26'05	1.37524 AU
superior conj	6151 May 31 22:21	13°♕09'45	-0°45'41				
minimum elong	6151 Jun 01 00:56	13°♕22'50	0°45'13	superior conj	6152 May 14 05:47	26°♔17'41	-1°15'47
asc. node	6151 Jun 05 13:01	22°♕36'44		minimum elong	6152 May 14 10:06	26°♔38'34	1°15'09
evening rise	6151 Jun 08 19:32	29°♕21'37			6152 May 16 03:27	0°♕	
	6151 Jun 09 03:02	0°♖		asc. node	6152 May 22 10:03	12°♕27'50	
evening max el	6151 Jun 26 21:51	28°♖55'00	20°17'13	evening rise	6152 May 22 21:03	13°♕22'34	
	6151 Jun 28 01:47	0°♗			6152 May 31 18:13	0°♖	
retrograde	6151 Jul 07 17:01	4°♗12'56		evening max el	6152 Jun 08 14:28	10°♖34'32	19°14'25
evening set	6151 Jul 09 15:39	4°♗03'23		retrograde	6152 Jun 17 16:32	15°♖01'53	
desc. node	6151 Jul 11 08:09	3°♗40'29		evening set	6152 Jun 19 15:17	14°♖50'28	
inferior conj	6151 Jul 18 19:11	0°♗05'31	-2°13'37	desc. node	6152 Jun 27 05:11	11°♖16'18	
minimum elong	6151 Jul 18 12:59	0°♗14'37	2°11'24	inferior conj	6152 Jun 28 02:39	10°♖40'46	-0°16'05
	6151 Jul 18 22:56	30°♗♖		minimum elong	6152 Jun 28 01:58	10°♖41'56	0°15'52
min. Earth dist.	6151 Jul 20 07:37	29°♖12'00	0.54979 AU	transit middle	6152 Jun 28 01:58	10°♖41'56	0°15'52



































































































































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transit end	6152 Jun 28 02:31	10°☿41'00		desc. node	6153 Jun 14 02:11	18°♄19'03	
min. Earth dist.	6152 Jun 30 21:39	8°☿49'40	0.56088 AU	morning rise	6153 Jun 17 00:26	16°♄35'45	
morning rise	6152 Jul 06 09:39	5°☿55'07		direct	6153 Jun 22 20:56	15°♄08'38	
direct	6152 Jul 11 09:16	4°☿57'59		morning max el	6153 Jul 07 06:13	22°♄46'49	26°48'59
morning max el	6152 Jul 25 13:04	12°☿10'34	25°26'11		6153 Jul 13 16:28	0°☿	
	6152 Aug 08 07:47	0°♁			6153 Aug 01 05:32	0°♁	
asc. node	6152 Aug 18 09:22	18°♁21'19		asc. node	6153 Aug 05 06:23	8°♁11'03	
morning set	6152 Aug 21 12:52	24°♁53'28		morning set	6153 Aug 05 22:48	9°♁37'18	
	6152 Aug 23 21:52	0°♄					
superior conj	6152 Aug 28 10:43	9°♄57'07	1°27'30	superior conj	6153 Aug 12 22:27	24°♁50'30	1°12'09
minimum elong	6152 Aug 28 08:39	9°♄45'45	1°27'15	minimum elong	6153 Aug 12 20:10	24°♁37'51	1°11'46
max. Earth dist.	6152 Aug 29 15:13	12°♄33'28	1.32347 AU	max. Earth dist.	6153 Aug 13 01:33	25°♁07'40	1.31898 AU
evening rise	6152 Sep 04 12:44	25°♄09'42		evening rise	6153 Aug 15 06:29	0°♄	
	6152 Sep 06 21:48	0°♂			6153 Aug 19 18:49	9°♄45'35	
desc. node	6152 Sep 23 04:25	28°♂15'03		desc. node	6153 Aug 30 05:07	0°♂	
	6152 Sep 24 09:21	0°♄		evening max el	6153 Sep 10 01:26	16°♂48'57	
evening max el	6152 Oct 06 20:05	14°♄57'59	27°23'08		6153 Sep 18 23:44	27°♂06'13	26°48'13
retrograde	6152 Oct 20 15:07	22°♄11'50		retrograde	6153 Sep 22 09:02	0°♄	
evening set	6152 Oct 27 18:48	19°♄46'48		evening set	6153 Sep 22 09:02	0°♄	
min. Earth dist.	6152 Oct 31 10:17	16°♄52'36	0.62275 AU		6153 Oct 02 21:20	4°♄15'15	
inferior conj	6152 Nov 03 08:18	14°♄09'38	-3°27'14	min. Earth dist.	6153 Oct 09 18:56	2°♄13'28	
minimum elong	6152 Nov 03 14:19	13°♄55'35	3°25'14	inferior conj	6153 Oct 13 01:38	30°♄	
morning rise	6152 Nov 10 11:43	9°♄04'49		minimum elong	6153 Oct 13 13:42	29°♂36'38	0.60245 AU
direct	6152 Nov 12 19:24	8°♄40'54		morning rise	6153 Oct 16 18:42	26°♂59'45	-4°26'41
asc. node	6152 Nov 14 08:39	8°♄51'56		direct	6153 Oct 17 01:17	26°♂46'18	4°25'06
morning max el	6152 Nov 19 15:02	12°♄09'19	17°50'18	morning rise	6153 Oct 24 09:45	22°♂16'27	
	6152 Dec 01 15:18	0°♂		direct	6153 Oct 26 16:45	21°♂56'34	
morning set	6152 Dec 05 12:39	6°♂55'28		asc. node	6153 Oct 26 16:45	23°♂58'58	
				morning max el	6153 Nov 01 05:40	25°♂37'24	18°07'29
superior conj	6152 Dec 16 15:56	26°♂27'01	0°24'51	morning set	6153 Nov 03 03:43	25°♂37'24	18°07'29
minimum elong	6152 Dec 16 18:12	26°♂36'37	0°24'32		6153 Nov 06 20:54	0°♄	
	6152 Dec 18 18:26	0°♂			6153 Nov 18 21:38	20°♄35'44	
desc. node	6152 Dec 20 03:38	2°♂18'25		superior conj	6153 Nov 23 22:29	0°♂	
max. Earth dist.	6152 Dec 23 18:26	8°♂14'39	1.43397 AU	minimum elong	6153 Nov 28 13:41	8°♂26'44	0°58'39
evening rise	6152 Dec 31 06:19	20°♂08'57		max. Earth dist.	6153 Nov 28 17:25	8°♂43'30	0°58'11
	6153 Jan 06 16:38	0°♂		desc. node	6153 Dec 06 05:32	21°♂44'51	1.41595 AU
	6153 Jan 28 04:19	0°♂		evening rise	6153 Dec 07 00:39	23°♂04'57	
evening max el	6153 Jan 31 07:54	3°♂28'29	21°33'18		6153 Dec 11 09:54	0°♂16'50	
retrograde	6153 Feb 09 06:58	8°♂47'14			6153 Dec 11 05:44	0°♂	
asc. node	6153 Feb 10 07:52	8°♂41'33		evening max el	6153 Dec 31 05:08	0°♂	
evening set	6153 Feb 13 14:29	7°♂04'30		retrograde	6154 Jan 14 00:37	17°♂06'52	22°51'21
inferior conj	6153 Feb 18 22:22	0°♂47'49	2°32'38	asc. node	6154 Jan 24 02:37	23°♂05'55	
minimum elong	6153 Feb 18 20:00	0°♂56'00	2°32'01	evening set	6154 Jan 28 04:54	21°♂40'09	
min. Earth dist.	6153 Feb 19 02:48	0°♂32'24	0.68091 AU	inferior conj	6154 Jan 28 21:39	21°♂07'42	
	6153 Feb 19 12:09	30°♂		minimum elong	6154 Feb 03 06:38	14°♂43'39	1°54'40
morning rise	6153 Feb 24 01:22	24°♂35'43		min. Earth dist.	6154 Feb 03 04:27	14°♂51'12	1°53'57
direct	6153 Mar 01 03:08	22°♂23'41		morning rise	6154 Feb 02 23:22	15°♂08'47	0.68211 AU
morning max el	6153 Mar 11 05:47	28°♂23'07	23°02'03	direct	6154 Feb 08 11:09	8°♂35'35	
	6153 Mar 12 18:50	0°♂		morning max el	6154 Feb 12 22:30	6°♂46'13	
desc. node	6153 Mar 18 02:55	6°♂19'02		desc. node	6154 Feb 21 19:25	11°♂55'55	21°35'52
	6153 Apr 03 20:26	0°♂			6154 Mar 04 23:55	25°♂44'12	
morning set	6153 Apr 14 20:42	17°♂33'43		morning set	6154 Mar 08 00:45	0°♂	
max. Earth dist.	6153 Apr 19 05:09	24°♂56'13	1.39732 AU		6154 Mar 25 18:46	26°♂49'57	
	6153 Apr 22 02:44	0°♂		max. Earth dist.	6154 Mar 27 18:18	0°♂	
superior conj	6153 Apr 26 22:14	8°♂40'33	-1°42'53	superior conj	6154 Apr 01 05:28	7°♂16'59	1.41862 AU
minimum elong	6153 Apr 27 03:30	9°♂04'47	1°42'20	minimum elong	6154 Apr 08 18:47	20°♂06'14	-2°02'48
evening rise	6153 May 06 13:52	26°♂54'54			6154 Apr 08 22:56	20°♂24'17	2°02'35
	6153 May 08 04:40	0°♄		evening rise	6154 Apr 14 08:48	0°♂	
asc. node	6153 May 09 07:06	2°♄05'14		asc. node	6154 Apr 19 18:11	9°♂48'46	
evening max el	6153 May 22 17:18	22°♄53'48	18°32'09		6154 Apr 26 04:07	21°♂22'55	
retrograde	6153 May 30 10:46	26°♄43'31		evening max el	6154 May 01 11:42	0°♄	
evening set	6153 Jun 01 15:40	26°♄25'49		retrograde	6154 May 06 02:45	5°♄43'20	18°10'02
inferior conj	6153 Jun 09 06:59	21°♄56'49	1°21'58	evening set	6154 May 12 23:21	9°♄11'23	
minimum elong	6153 Jun 09 09:42	21°♄51'30	1°21'02	inferior conj	6154 May 15 11:19	8°♄44'19	
				minimum elong	6154 May 22 08:29	3°♄54'51	2°30'10
					6154 May 22 11:46	3°♄47'21	2°29'18

min. Earth dist.	6154 May 25 16:38	0° Π 53'37	0.60058 AU	minimum elong	6155 May 05 06:02	16° \mathcal{B} 22'35	3°09'52
	6154 May 26 18:17	30° \mathcal{R} \mathcal{B}		min. Earth dist.	6155 May 08 01:48	13° \mathcal{B} 27'21	0.62261 AU
morning rise	6154 May 29 09:35	28° \mathcal{B} 06'49		morning rise	6155 May 11 13:29	10° \mathcal{B} 24'13	
desc. node	6154 May 31 23:12	26° \mathcal{B} 50'17		direct	6155 May 18 08:48	7° \mathcal{B} 55'13	
direct	6154 Jun 04 21:33	26° \mathcal{B} 06'06		desc. node	6155 May 18 20:12	7° \mathcal{B} 55'54	
	6154 Jun 14 15:27	0° Π		morning max el	6155 Jun 01 11:32	15° \mathcal{B} 56'41	27°53'27
morning max el	6154 Jun 19 05:58	4° Π 00'30	27°40'04		6155 Jun 12 24:00	0° Π	
	6154 Jul 08 09:35	0° \mathcal{E}			6155 Jul 01 00:56	0° \mathcal{E}	
morning set	6154 Jul 21 05:20	24° \mathcal{E} 08'30		morning set	6155 Jul 05 06:27	8° \mathcal{E} 21'04	
asc. node	6154 Jul 23 03:23	28° \mathcal{E} 10'56		asc. node	6155 Jul 10 00:25	18° \mathcal{E} 16'34	
	6154 Jul 23 23:47	0° \mathcal{N}		max. Earth dist.	6155 Jul 10 19:36	19° \mathcal{E} 59'40	1.32300 AU
max. Earth dist.	6154 Jul 27 12:18	7° \mathcal{N} 40'22	1.31879 AU				
				superior conj	6155 Jul 12 19:17	24° \mathcal{E} 18'09	0°28'31
superior conj	6154 Jul 28 09:53	9° \mathcal{N} 39'16	0°52'19	minimum elong	6155 Jul 12 17:59	24° \mathcal{E} 11'09	0°28'13
minimum elong	6154 Jul 28 07:51	9° \mathcal{N} 28'05	0°51'54		6155 Jul 15 09:48	0° \mathcal{N}	
evening rise	6154 Aug 04 04:38	24° \mathcal{N} 29'24		evening rise	6155 Jul 19 16:13	9° \mathcal{N} 15'15	
	6154 Aug 06 19:43	0° \mathcal{N}			6155 Jul 30 07:51	0° \mathcal{N}	
	6154 Aug 24 10:52	0° \mathcal{E}		evening max el	6155 Aug 13 08:53	18° \mathcal{N} 58'36	24°11'10
desc. node	6154 Aug 27 22:27	4° \mathcal{E} 18'19		desc. node	6155 Aug 14 19:28	20° \mathcal{N} 18'06	
evening max el	6154 Aug 31 19:32	8° \mathcal{E} 23'34	25°41'16	retrograde	6155 Aug 27 03:40	25° \mathcal{N} 54'23	
retrograde	6154 Sep 14 18:13	15° \mathcal{E} 28'39		evening set	6155 Aug 31 22:47	25° \mathcal{N} 03'27	
evening set	6154 Sep 20 21:08	14° \mathcal{E} 00'36		min. Earth dist.	6155 Sep 06 19:42	22° \mathcal{N} 08'05	0.56366 AU
min. Earth dist.	6154 Sep 25 07:40	11° \mathcal{E} 23'55	0.58180 AU	inferior conj	6155 Sep 09 06:59	20° \mathcal{N} 36'01	-5°22'38
inferior conj	6154 Sep 28 10:56	9° \mathcal{E} 10'43	-5°10'21	minimum elong	6155 Sep 09 05:36	20° \mathcal{N} 38'10	5°22'35
minimum elong	6154 Sep 28 15:19	9° \mathcal{E} 02'54	5°09'51	morning rise	6155 Sep 17 14:48	16° \mathcal{N} 36'20	
morning rise	6154 Oct 06 11:50	4° \mathcal{E} 50'41		direct	6155 Sep 20 07:48	16° \mathcal{N} 17'05	
direct	6154 Oct 08 21:52	4° \mathcal{E} 32'17		morning max el	6155 Sep 30 04:07	20° \mathcal{N} 53'42	19°45'00
morning max el	6154 Oct 17 09:10	8° \mathcal{E} 35'25	18°45'19	asc. node	6155 Oct 05 23:42	27° \mathcal{N} 52'15	
asc. node	6154 Oct 19 02:40	10° \mathcal{E} 24'02			6155 Oct 07 09:44	0° \mathcal{E}	
	6154 Oct 31 06:30	0° \mathcal{N}		morning set	6155 Oct 17 20:51	19° \mathcal{E} 16'45	
morning set	6154 Nov 02 17:32	4° \mathcal{N} 46'04			6155 Oct 23 03:42	0° \mathcal{N}	
				superior conj	6155 Oct 25 17:16	5° \mathcal{N} 08'03	1°36'31
superior conj	6154 Nov 11 07:52	21° \mathcal{N} 25'29	1°22'19	minimum elong	6155 Oct 25 19:13	5° \mathcal{N} 17'42	1°36'25
minimum elong	6154 Nov 11 11:09	21° \mathcal{N} 40'57	1°22'00	max. Earth dist.	6155 Oct 31 16:40	16° \mathcal{N} 38'58	1.37393 AU
	6154 Nov 15 23:07	0° \mathcal{N}		evening rise	6155 Nov 04 10:56	23° \mathcal{N} 31'09	
max. Earth dist.	6154 Nov 18 11:40	4° \mathcal{N} 30'27	1.39504 AU		6155 Nov 08 03:54	0° \mathcal{N}	
evening rise	6154 Nov 22 11:24	11° \mathcal{N} 24'12		desc. node	6155 Nov 10 18:42	4° \mathcal{N} 24'30	
desc. node	6154 Nov 23 21:41	13° \mathcal{N} 48'23			6155 Nov 27 19:43	0° \mathcal{E}	
	6154 Dec 04 01:55	0° \mathcal{E}		evening max el	6155 Dec 10 03:05	14° \mathcal{E} 33'51	25°26'11
	6154 Dec 26 19:00	0° \mathcal{E}		retrograde	6155 Dec 22 06:47	21° \mathcal{E} 33'34	
evening max el	6154 Dec 27 14:17	0° \mathcal{E} 48'45	24°11'15	evening set	6155 Dec 28 03:41	19° \mathcal{E} 07'38	
retrograde	6155 Jan 07 18:54	7° \mathcal{E} 23'12		min. Earth dist.	6156 Jan 01 13:27	14° \mathcal{E} 16'43	0.67324 AU
evening set	6155 Jan 13 02:36	5° \mathcal{E} 10'10		asc. node	6156 Jan 01 22:57	13° \mathcal{E} 46'18	
asc. node	6155 Jan 15 01:55	3° \mathcal{E} 12'17		inferior conj	6156 Jan 02 18:51	12° \mathcal{E} 42'01	0°16'47
	6155 Jan 17 15:12	30° \mathcal{R} \mathcal{E}		minimum elong	6156 Jan 02 18:26	12° \mathcal{E} 43'24	0°16'38
min. Earth dist.	6155 Jan 17 19:42	29° \mathcal{E} 44'54	0.67949 AU	morning rise	6156 Jan 08 09:30	6° \mathcal{E} 47'06	
inferior conj	6155 Jan 18 14:04	28° \mathcal{E} 42'57	1°09'10	direct	6156 Jan 11 19:15	5° \mathcal{E} 40'17	
minimum elong	6155 Jan 18 12:32	28° \mathcal{E} 48'08	1°08'35	morning max el	6156 Jan 18 20:44	9° \mathcal{E} 35'46	19°17'27
morning rise	6155 Jan 23 22:32	22° \mathcal{E} 40'24		greatest brilliancy	6156 Feb 01 04:04	27° \mathcal{E} 21'56	-0.7m
direct	6155 Jan 27 20:18	21° \mathcal{E} 13'27			6156 Feb 02 21:55	0° \mathcal{E}	
morning max el	6155 Feb 04 16:08	25° \mathcal{E} 40'34	20°19'41	desc. node	6156 Feb 06 17:58	5° \mathcal{E} 51'34	
	6155 Feb 08 12:45	0° \mathcal{E}		morning set	6156 Feb 11 18:21	13° \mathcal{E} 35'53	
desc. node	6155 Feb 19 20:56	15° \mathcal{E} 37'46			6156 Feb 22 07:09	0° \mathcal{N}	
	6155 Mar 01 10:24	0° \mathcal{N}		max. Earth dist.	6156 Feb 25 02:43	4° \mathcal{N} 25'42	1.44864 AU
morning set	6155 Mar 04 18:48	5° \mathcal{N} 09'15					
max. Earth dist.	6155 Mar 14 12:43	20° \mathcal{N} 30'08	1.43644 AU	superior conj	6156 Feb 28 10:52	9° \mathcal{N} 43'00	-1°59'02
	6155 Mar 20 08:46	0° \mathcal{N}		minimum elong	6156 Feb 28 03:56	9° \mathcal{N} 15'27	1°58'37
					6156 Mar 11 23:18	0° \mathcal{N}	
superior conj	6155 Mar 20 15:07	0° \mathcal{N} 26'15	-2°10'01	evening rise	6156 Mar 13 19:46	3° \mathcal{N} 03'55	
minimum elong	6155 Mar 20 14:44	0° \mathcal{N} 24'38	2°10'01	asc. node	6156 Mar 29 22:11	28° \mathcal{N} 30'52	
evening rise	6155 Apr 02 05:37	21° \mathcal{N} 54'30			6156 Mar 31 02:24	0° \mathcal{E}	
	6155 Apr 06 21:14	0° \mathcal{E}		evening max el	6156 Apr 02 04:10	2° \mathcal{E} 18'35	18°23'25
asc. node	6155 Apr 13 01:09	10° \mathcal{E} 14'23		retrograde	6156 Apr 08 14:51	5° \mathcal{E} 47'25	
evening max el	6155 Apr 19 15:23	18° \mathcal{E} 54'20	18°07'23	evening set	6156 Apr 11 16:14	4° \mathcal{E} 56'05	
retrograde	6155 Apr 26 02:11	22° \mathcal{E} 15'56			6156 Apr 17 01:58	30° \mathcal{R} \mathcal{N}	
evening set	6155 Apr 28 20:56	21° \mathcal{E} 37'23		inferior conj	6156 Apr 17 12:47	29° \mathcal{N} 28'46	3°27'46
inferior conj	6155 May 05 03:49	16° \mathcal{E} 28'23	3°10'14				

minimum elong	6156 Apr 17 13:29	29° Υ 26'45	3°27'43	evening max el	6157 Mar 16 14:31	15° Υ 50'03	18°57'11
min. Earth dist.	6156 Apr 19 20:07	26° Υ 48'58	0.64250 AU	asc. node	6157 Mar 16 19:14	16° Υ 01'54	
morning rise	6156 Apr 23 09:51	23° Υ 16'38		retrograde	6157 Mar 23 09:35	19° Υ 38'27	
direct	6156 Apr 30 04:23	20° Υ 31'07		evening set	6157 Mar 26 17:58	18° Υ 33'31	
desc. node	6156 May 04 17:14	21° Υ 34'27		inferior conj	6157 Apr 01 07:39	12° Υ 49'22	3°27'59
morning max el	6156 May 13 20:37	28° Υ 29'10	27°30'20	minimum elong	6157 Apr 01 06:58	12° Υ 51'33	3°27'57
	6156 May 15 07:35	0° ♄		min. Earth dist.	6157 Apr 02 23:21	10° Υ 44'36	0.65874 AU
	6156 Jun 05 19:29	0° ♂		morning rise	6157 Apr 06 19:32	6° Υ 34'07	
morning set	6156 Jun 17 23:41	22° ♂ 07'22		direct	6157 Apr 13 06:46	3° Υ 45'29	
	6156 Jun 21 21:28	0° ♄		desc. node	6157 Apr 21 14:17	7° Υ 16'11	
max. Earth dist.	6156 Jun 22 19:40	1° ♄ 54'53	1.33180 AU	morning max el	6157 Apr 26 06:45	11° Υ 27'42	26°36'35
asc. node	6156 Jun 25 21:27	8° ♄ 23'36			6157 May 11 01:06	0° ♄	
					6157 May 29 09:23	0° ♂	
superior conj	6156 Jun 26 00:44	8° ♄ 41'07	0°01'25	morning set	6157 Jun 01 05:41	5° ♂ 17'36	
minimum elong	6156 Jun 26 00:39	8° ♄ 40'43	0°01'23	max. Earth dist.	6157 Jun 05 09:27	13° ♂ 20'59	1.34535 AU
behind sun begin	6156 Jun 25 19:15	8° ♄ 11'52					
behind sun end	6156 Jun 26 06:04	9° ♄ 09'36		superior conj	6157 Jun 09 23:57	22° ♂ 41'07	-0°28'07
evening rise	6156 Jul 03 03:42	23° ♄ 57'13		minimum elong	6157 Jun 10 01:29	22° ♂ 49'07	0°27'50
	6156 Jul 06 01:28	0° ♄		asc. node	6157 Jun 12 18:30	28° ♂ 27'53	
evening max el	6156 Jul 24 22:00	29° ♄ 17'46	22°33'04		6157 Jun 13 12:03	0° ♄	
	6156 Jul 25 15:47	0° ♄		evening rise	6157 Jun 17 13:08	8° ♄ 28'46	
desc. node	6156 Jul 31 16:28	4° ♄ 16'32			6157 Jun 29 01:18	0° ♄	
retrograde	6156 Aug 07 00:25	5° ♄ 48'59		evening max el	6157 Jul 06 18:53	9° ♄ 53'19	21°02'06
evening set	6156 Aug 10 07:09	5° ♄ 25'22		retrograde	6157 Jul 18 13:04	15° ♄ 41'26	
min. Earth dist.	6156 Aug 18 05:20	1° ♄ 56'56	0.55135 AU	desc. node	6157 Jul 18 13:30	15° ♄ 41'25	
inferior conj	6156 Aug 19 08:59	1° ♄ 17'41	-4°46'46	evening set	6157 Jul 20 18:22	15° ♄ 29'48	
minimum elong	6156 Aug 19 01:17	1° ♄ 28'38	4°45'19	inferior conj	6157 Jul 30 01:57	11° ♄ 32'18	-3°19'21
	6156 Aug 21 16:45	30° ♄		minimum elong	6157 Jul 29 17:22	11° ♄ 44'23	3°16'40
morning rise	6156 Aug 27 21:19	27° ♄ 28'19		min. Earth dist.	6157 Jul 30 15:15	11° ♄ 13'32	0.54759 AU
direct	6156 Aug 31 00:37	27° ♄ 05'49		morning rise	6157 Aug 07 16:42	7° ♄ 35'08	
	6156 Sep 08 10:47	0° ♄		direct	6157 Aug 11 09:19	7° ♄ 05'53	
morning max el	6156 Sep 11 10:40	2° ♄ 25'47	21°06'12	morning max el	6157 Aug 24 06:09	13° ♄ 13'43	22°44'33
asc. node	6156 Sep 21 20:45	16° ♄ 09'45			6157 Sep 05 21:24	0° ♄	
	6156 Sep 29 06:01	0° ♄		asc. node	6157 Sep 08 17:48	5° ♄ 03'51	
morning set	6156 Oct 01 05:01	4° ♄ 00'56		morning set	6157 Sep 15 15:50	18° ♄ 51'35	
					6157 Sep 20 20:55	0° ♄	
superior conj	6156 Oct 08 13:34	19° ♄ 22'25	1°42'28				
minimum elong	6156 Oct 08 14:02	19° ♄ 24'49	1°42'28	superior conj	6157 Sep 22 17:17	3° ♄ 57'24	1°41'21
max. Earth dist.	6156 Oct 13 02:25	28° ♄ 33'13	1.35488 AU	minimum elong	6157 Sep 22 16:28	3° ♄ 53'03	1°41'19
	6156 Oct 13 20:03	0° ♄		max. Earth dist.	6157 Sep 25 20:13	10° ♄ 32'13	1.33934 AU
evening rise	6156 Oct 17 05:09	6° ♄ 29'26		evening rise	6157 Sep 30 13:45	20° ♄ 06'55	
desc. node	6156 Oct 27 15:45	24° ♄ 48'48			6157 Oct 05 19:00	0° ♄	
	6156 Oct 30 21:39	0° ♄		desc. node	6157 Oct 14 12:46	14° ♄ 54'28	
evening max el	6156 Nov 21 16:09	28° ♄ 17'53	26°28'40		6157 Oct 24 21:37	0° ♄	
	6156 Nov 23 12:26	0° ♄		evening max el	6157 Nov 04 04:57	11° ♄ 50'24	27°11'27
retrograde	6156 Dec 04 13:20	5° ♄ 31'27		retrograde	6157 Nov 17 14:02	19° ♄ 08'44	
evening set	6156 Dec 10 23:06	2° ♄ 56'09		evening set	6157 Nov 24 10:38	16° ♄ 29'53	
	6156 Dec 13 22:45	30° ♄		min. Earth dist.	6157 Nov 28 07:46	12° ♄ 48'57	0.65020 AU
min. Earth dist.	6156 Dec 15 02:17	28° ♄ 40'19	0.66349 AU	inferior conj	6157 Nov 30 12:24	10° ♄ 23'25	-1°44'36
inferior conj	6156 Dec 16 19:03	26° ♄ 37'26	-0°41'33	minimum elong	6157 Nov 30 15:28	10° ♄ 14'53	1°43'17
minimum elong	6156 Dec 16 20:12	26° ♄ 33'59	0°41'02	asc. node	6157 Dec 05 17:03	5° ♄ 31'21	
asc. node	6156 Dec 18 19:59	24° ♄ 14'37		morning rise	6157 Dec 06 21:30	4° ♄ 51'48	
morning rise	6156 Dec 22 18:00	20° ♄ 52'39		direct	6157 Dec 09 12:52	4° ♄ 14'54	
direct	6156 Dec 25 17:32	20° ♄ 02'40		morning max el	6157 Dec 15 23:47	7° ♄ 40'25	18°01'31
morning max el	6157 Jan 01 08:06	23° ♄ 37'57	18°31'07		6157 Dec 31 04:40	0° ♄	
	6157 Jan 06 14:05	0° ♄		morning set	6158 Jan 02 19:54	4° ♄ 22'07	
morning set	6157 Jan 21 16:19	23° ♄ 14'48		desc. node	6158 Jan 10 12:03	16° ♄ 58'21	
desc. node	6157 Jan 23 15:01	26° ♄ 20'08					
	6157 Jan 25 22:31	0° ♄		superior conj	6158 Jan 16 23:56	27° ♄ 24'18	-0°44'37
				minimum elong	6158 Jan 16 18:32	27° ♄ 02'50	0°43'51
superior conj	6157 Feb 06 15:26	18° ♄ 24'47	-1°28'24		6158 Jan 18 15:12	0° ♄	
minimum elong	6157 Feb 06 06:00	17° ♄ 47'48	1°27'23	max. Earth dist.	6158 Jan 20 17:11	3° ♄ 17'13	1.45154 AU
max. Earth dist.	6157 Feb 06 21:21	18° ♄ 48'00	1.45386 AU	evening rise	6158 Feb 02 05:40	22° ♄ 46'24	
	6157 Feb 14 00:43	0° ♄			6158 Feb 06 22:21	0° ♄	
evening rise	6157 Feb 22 10:39	13° ♄ 17'03		greatest brilliancy	6158 Feb 16 00:40	13° ♄ 46'55	-0.7m
greatest brilliancy	6157 Mar 03 14:32	27° ♄ 47'07	-0.8m	evening max el	6158 Feb 27 20:27	29° ♄ 24'29	19°47'21
	6157 Mar 05 00:38	0° ♄			6158 Feb 28 10:43	0° ♄	

asc. node	6158 Mar 03 16:16	2° Υ 34'30		evening rise	6159 Jan 12 16:04	2° \approx 01'15	
retrograde	6158 Mar 07 07:23	3° Υ 43'05			6159 Jan 31 12:32	0° H	
evening set	6158 Mar 10 23:39	2° Υ 23'57		evening max el	6159 Feb 10 20:56	12° H 59'41	20°51'32
	6158 Mar 13 13:04	30° R H		asc. node	6159 Feb 18 13:19	17° H 53'22	
inferior conj	6158 Mar 16 09:18	26° H 24'59	3°14'49	retrograde	6159 Feb 19 05:46	17° H 55'52	
minimum elong	6158 Mar 16 07:37	26° H 30'38	3°14'34	evening set	6159 Feb 23 07:11	16° H 22'01	
min. Earth dist.	6158 Mar 17 10:14	25° H 01'51	0.67067 AU	inferior conj	6159 Feb 28 15:09	10° H 10'49	2°50'47
morning rise	6158 Mar 21 15:21	20° H 09'26		minimum elong	6159 Feb 28 12:55	10° H 18'34	2°50'16
direct	6158 Mar 27 15:02	17° H 29'05		min. Earth dist.	6159 Mar 01 02:44	9° H 30'56	0.67830 AU
desc. node	6158 Apr 08 11:20	24° H 29'02		morning rise	6159 Mar 05 18:26	3° H 56'50	
morning max el	6158 Apr 08 16:16	24° H 41'30	25°21'02	direct	6159 Mar 11 04:24	1° H 32'56	
	6158 Apr 13 11:14	0° Υ		morning max el	6159 Mar 22 01:06	8° H 02'04	23°53'39
	6158 May 04 11:58	0° B		desc. node	6159 Mar 26 08:20	12° H 46'48	
morning set	6158 May 14 20:08	17° B 40'18			6159 Apr 08 05:32	0° Υ	
max. Earth dist.	6158 May 18 12:32	24° B 27'07	1.36331 AU	morning set	6159 Apr 26 13:20	28° Υ 59'26	
	6158 May 21 10:26	0° II			6159 Apr 27 03:26	0° B	
				max. Earth dist.	6159 Apr 30 08:29	5° B 36'56	1.38448 AU
superior conj	6158 May 24 14:09	6° II 11'01	-0°58'36				
minimum elong	6158 May 24 17:31	6° II 27'42	0°58'02	superior conj	6159 May 07 15:43	19° B 00'56	-1°27'52
asc. node	6158 May 30 15:32	18° II 25'26		minimum elong	6159 May 07 20:35	19° B 24'04	1°27'13
evening rise	6158 Jun 01 18:20	22° II 43'43			6159 May 13 08:17	0° II	
	6158 Jun 05 09:56	0° B		evening rise	6159 May 16 16:33	6° II 33'39	
evening max el	6158 Jun 19 04:15	21° B 08'04	19°47'55	asc. node	6159 May 17 12:33	8° II 11'22	
retrograde	6158 Jun 29 05:34	26° B 04'05			6159 May 30 07:37	0° B	
evening set	6158 Jul 01 02:53	25° B 54'24		evening max el	6159 Jun 02 01:36	3° B 05'31	18°53'55
desc. node	6158 Jul 05 10:32	24° B 27'58		retrograde	6159 Jun 10 12:42	7° B 15'08	
inferior conj	6158 Jul 10 00:31	21° B 52'30	-1°22'52	evening set	6159 Jun 12 13:32	7° B 01'39	
minimum elong	6158 Jul 09 20:42	21° B 58'23	1°21'27	inferior conj	6159 Jun 20 16:28	2° B 44'24	0°28'50
min. Earth dist.	6158 Jul 12 03:35	20° B 33'57	0.55346 AU	minimum elong	6159 Jun 20 17:35	2° B 42'24	0°28'23
morning rise	6158 Jul 18 12:27	17° B 27'25		desc. node	6159 Jun 22 07:34	1° B 34'22	
direct	6158 Jul 22 23:15	16° B 43'48		min. Earth dist.	6159 Jun 23 19:29	0° B 31'31	0.56787 AU
morning max el	6158 Aug 05 19:59	23° B 36'07	24°29'11		6159 Jun 24 14:18	30° R II	
	6158 Aug 11 14:55	0° Ω		morning rise	6159 Jun 28 18:15	27° II 42'41	
asc. node	6158 Aug 26 14:51	24° Ω 25'24		direct	6159 Jul 04 03:01	26° II 33'37	
	6158 Aug 29 08:58	0° M			6159 Jul 13 15:18	0° B	
morning set	6158 Aug 31 03:36	3° M 43'38		morning max el	6159 Jul 18 10:28	3° B 59'20	26°04'30
					6159 Aug 06 03:56	0° Ω	
superior conj	6158 Sep 07 01:46	18° M 45'07	1°34'07	asc. node	6159 Aug 13 11:52	14° Ω 06'21	
minimum elong	6158 Sep 07 00:02	18° M 35'40	1°33'58	morning set	6159 Aug 15 14:38	18° Ω 31'37	
max. Earth dist.	6158 Sep 08 22:14	22° M 46'17	1.32799 AU		6159 Aug 20 21:20	0° M	
	6158 Sep 12 07:50	0° A					
evening rise	6158 Sep 14 09:03	4° A 13'55		superior conj	6159 Aug 22 12:51	3° M 38'10	1°21'34
	6158 Sep 28 11:55	0° M		minimum elong	6159 Aug 22 10:38	3° M 25'57	1°21'16
desc. node	6158 Oct 01 09:46	4° M 33'40		max. Earth dist.	6159 Aug 23 06:16	5° M 14'11	1.32100 AU
evening max el	6158 Oct 17 15:59	24° M 59'44	27°27'45	evening rise	6159 Aug 29 11:56	18° M 41'21	
	6158 Oct 24 02:03	0° A			6159 Sep 04 03:25	0° A	
retrograde	6158 Oct 31 08:25	2° A 16'49		desc. node	6159 Sep 18 06:47	23° A 35'37	
evening set	6158 Nov 07 11:30	29° M 43'15			6159 Sep 23 02:02	0° M	
	6158 Nov 07 01:51	30° R M		evening max el	6159 Sep 29 23:04	7° M 33'39	27°12'25
min. Earth dist.	6158 Nov 11 03:57	26° M 34'09	0.63358 AU	retrograde	6159 Oct 13 19:47	14° M 46'18	
inferior conj	6158 Nov 13 20:14	23° M 54'00	-2°50'01	evening set	6159 Oct 20 22:01	12° M 29'34	
minimum elong	6158 Nov 14 01:19	23° M 41'20	2°48'07	min. Earth dist.	6159 Oct 24 13:45	9° M 44'25	0.61422 AU
morning rise	6158 Nov 20 16:50	18° M 38'45		inferior conj	6159 Oct 27 15:29	7° M 01'48	-3°53'39
asc. node	6158 Nov 22 14:07	18° M 12'28		minimum elong	6159 Oct 27 21:58	6° M 47'28	3°51'44
direct	6158 Nov 23 02:25	18° M 11'12		morning rise	6159 Nov 03 23:59	2° M 05'59	
morning max el	6158 Nov 29 16:52	21° M 36'08	17°49'12	direct	6159 Nov 06 06:47	1° M 44'17	
	6158 Dec 06 03:10	0° A		asc. node	6159 Nov 09 11:09	2° M 28'09	
morning set	6158 Dec 16 01:13	16° A 43'41		morning max el	6159 Nov 13 08:09	5° M 17'11	17°55'12
	6158 Dec 23 18:20	0° B		morning set	6159 Nov 29 01:49	0° A 00'26	
					6159 Nov 29 01:44	0° A	
superior conj	6158 Dec 28 05:16	7° B 26'51	0°01'08				
minimum elong	6158 Dec 28 05:23	7° B 27'20	0°01'08	superior conj	6159 Dec 09 12:55	18° A 45'57	0°40'24
behind sun begin	6158 Dec 27 19:55	6° B 48'10		minimum elong	6159 Dec 09 16:08	18° A 59'53	0°39'58
behind sun end	6158 Dec 28 14:52	8° B 06'24		desc. node	6159 Dec 15 06:02	28° A 29'09	
desc. node	6158 Dec 28 09:02	7° B 42'25			6159 Dec 16 03:55	0° B	
max. Earth dist.	6159 Jan 03 10:52	17° B 34'22	1.44210 AU	max. Earth dist.	6159 Dec 17 00:17	1° B 23'59	1.42674 AU
	6159 Jan 11 08:38	0° \approx		evening rise	6159 Dec 23 09:44	11° B 41'30	

	6160 Jan 04 10:26	0°♊			6160 Dec 28 11:51	0°♊	
evening max el	6160 Jan 24 16:11	26°♊36'55	22°05'57	evening max el	6161 Jan 06 07:32	10°♊17'11	23°25'34
	6160 Jan 28 12:25	0°♋		retrograde	6161 Jan 16 21:02	16°♊31'42	
retrograde	6160 Feb 03 02:49	2°♋13'30		evening set	6161 Jan 21 21:19	14°♊27'16	
asc. node	6160 Feb 05 10:21	1°♋45'27		asc. node	6161 Jan 22 07:24	14°♊05'09	
evening set	6160 Feb 07 14:56	0°♋24'24		inferior conj	6161 Jan 27 07:14	8°♊01'34	1°36'16
	6160 Feb 08 02:17	30°♋		minimum elong	6161 Jan 27 05:15	8°♊08'20	1°35'34
inferior conj	6160 Feb 12 23:06	24°♊04'08	2°17'34	min. Earth dist.	6161 Jan 26 19:17	8°♊42'34	0.68149 AU
minimum elong	6160 Feb 12 20:46	24°♊12'16	2°16'52	morning rise	6161 Feb 01 13:08	1°♊55'35	
min. Earth dist.	6160 Feb 12 22:32	24°♊06'05	0.68185 AU	direct	6161 Feb 05 18:40	0°♊15'40	
morning rise	6160 Feb 18 02:25	17°♊53'19		morning max el	6161 Feb 14 03:57	5°♊05'43	21°01'53
direct	6160 Feb 22 22:00	15°♊50'35		desc. node	6161 Feb 27 02:21	21°♊29'30	
morning max el	6160 Mar 03 11:44	21°♊28'57	22°24'30		6161 Mar 04 22:45	0°♋	
	6160 Mar 10 19:09	0°♋		morning set	6161 Mar 16 14:37	17°♋46'54	
desc. node	6160 Mar 12 05:20	1°♋51'24			6161 Mar 24 06:10	0°♌	
	6160 Mar 31 12:20	0°♌		max. Earth dist.	6161 Mar 24 08:09	0°♌08'06	1.42681 AU
morning set	6160 Apr 06 03:44	9°♌01'07					
max. Earth dist.	6160 Apr 11 04:56	17°♌24'17	1.40663 AU	superior conj	6161 Mar 31 10:58	11°♌59'23	-2°07'47
	6160 Apr 18 10:42	0°♍		minimum elong	6161 Mar 31 13:38	12°♌10'44	2°07'42
					6161 Apr 10 17:53	0°♍	
superior conj	6160 Apr 19 00:17	1°♍00'51	-1°52'31	evening rise	6161 Apr 12 02:08	2°♍24'32	
minimum elong	6160 Apr 19 05:25	1°♍23'56	1°52'05	asc. node	6161 Apr 20 06:36	16°♍48'21	
evening rise	6160 Apr 29 04:31	19°♍50'26		evening max el	6161 Apr 28 19:00	28°♍39'06	18°06'37
asc. node	6160 May 03 09:34	27°♍40'59			6161 Apr 30 07:32	0°♎	
	6160 May 04 16:12	0°♎		retrograde	6161 May 05 09:58	2°♎02'19	
evening max el	6160 May 15 07:45	15°♎39'08	18°20'22	evening set	6161 May 08 01:00	1°♎30'25	
retrograde	6160 May 22 14:48	19°♎17'17			6161 May 10 16:32	30°♎	
evening set	6160 May 24 22:46	18°♎55'54		inferior conj	6161 May 14 15:34	26°♎32'22	2°50'16
inferior conj	6160 Jun 01 06:00	14°♎18'28	1°54'35	minimum elong	6161 May 14 18:31	26°♎25'13	2°49'37
minimum elong	6160 Jun 01 09:15	14°♎11'40	1°53'34	min. Earth dist.	6161 May 17 20:11	23°♎28'34	0.61010 AU
min. Earth dist.	6160 Jun 04 16:18	11°♎28'07	0.58796 AU	morning rise	6161 May 21 09:53	20°♎36'36	
desc. node	6160 Jun 08 04:36	9°♎01'35		desc. node	6161 May 26 01:36	18°♎34'58	
morning rise	6160 Jun 08 16:37	8°♎44'44		direct	6161 May 28 02:09	18°♎22'54	
direct	6160 Jun 14 20:51	7°♎02'51		morning max el	6161 Jun 11 08:20	26°♎20'30	27°50'29
morning max el	6160 Jun 29 06:05	14°♎49'08	27°14'58		6161 Jun 14 18:27	0°♎	
	6160 Jul 11 11:41	0°♏			6161 Jul 05 00:59	0°♏	
	6160 Jul 28 10:39	0°♐		morning set	6161 Jul 14 03:50	17°♏34'55	
morning set	6160 Jul 29 23:18	3°♐10'28		asc. node	6161 Jul 17 05:52	24°♏03'51	
asc. node	6160 Jul 30 08:52	4°♐00'46			6161 Jul 19 23:43	0°♑	
max. Earth dist.	6160 Aug 05 17:05	17°♐48'21	1.31838 AU	max. Earth dist.	6161 Jul 20 03:03	0°♑18'09	1.32008 AU
superior conj	6160 Aug 06 00:41	18°♑30'21	1°04'15	superior conj	6161 Jul 21 11:30	3°♑16'08	0°42'42
minimum elong	6160 Aug 05 22:27	18°♑17'59	1°03'51	minimum elong	6161 Jul 21 09:44	3°♑06'24	0°42'19
	6160 Aug 11 06:14	0°♒		evening rise	6161 Jul 28 06:43	18°♑07'49	
evening rise	6160 Aug 12 19:52	3°♒21'32			6161 Aug 03 01:56	0°♒	
	6160 Aug 27 00:16	0°♓		desc. node	6161 Aug 22 00:51	28°♒40'10	
desc. node	6160 Sep 04 03:49	11°♓44'46			6161 Aug 23 08:24	0°♓	
evening max el	6160 Sep 10 23:42	19°♓21'11	26°23'25	evening max el	6161 Aug 23 16:36	0°♓19'48	25°05'01
retrograde	6160 Sep 24 22:20	26°♓28'25		retrograde	6161 Sep 06 14:12	7°♓21'08	
evening set	6160 Oct 01 13:24	24°♓40'22		evening set	6161 Sep 12 05:10	6°♓09'15	
min. Earth dist.	6160 Oct 05 13:08	22°♓05'37	0.59351 AU	min. Earth dist.	6161 Sep 17 04:02	3°♓26'53	0.57365 AU
inferior conj	6160 Oct 08 18:35	19°♓36'46	-4°48'00	inferior conj	6161 Sep 20 02:25	1°♓29'34	-5°20'29
minimum elong	6160 Oct 09 00:39	19°♓25'02	4°46'50	minimum elong	6161 Sep 20 04:45	1°♓25'39	5°20'20
morning rise	6160 Oct 16 14:05	15°♓03'00			6161 Sep 22 09:25	30°♒♎	
direct	6160 Oct 18 21:48	14°♓44'04		morning rise	6161 Sep 28 06:35	27°♎18'40	
asc. node	6160 Oct 26 08:11	18°♓10'05		direct	6161 Sep 30 19:21	27°♎00'01	
morning max el	6160 Oct 26 18:09	18°♓33'34	18°20'55		6161 Oct 08 08:45	0°♓	
	6160 Nov 04 02:01	0°♔		morning max el	6161 Oct 09 19:27	1°♓15'48	19°07'56
morning set	6160 Nov 11 16:00	13°♔55'09		asc. node	6161 Oct 13 05:12	5°♓04'00	
	6160 Nov 20 04:16	0°♕		morning set	6161 Oct 26 15:29	28°♓15'45	
					6161 Oct 27 12:30	0°♔	
superior conj	6160 Nov 20 20:01	1°♕12'23	1°09'54				
minimum elong	6160 Nov 20 23:43	1°♕29'24	1°09'29	superior conj	6161 Nov 03 21:19	14°♔31'43	1°29'25
max. Earth dist.	6160 Nov 28 09:04	14°♕35'30	1.40727 AU	minimum elong	6161 Nov 04 00:05	14°♔45'04	1°29'12
desc. node	6160 Dec 01 03:02	19°♕14'45		max. Earth dist.	6161 Nov 10 14:42	27°♔05'58	1.38602 AU
evening rise	6160 Dec 02 22:19	22°♕14'12			6161 Nov 12 05:35	0°♕	
	6160 Dec 07 17:55	0°♖		evening rise	6161 Nov 14 09:33	3°♕47'48	

desc. node	6161 Nov 18 00:05	9°  55'35		desc. node	6162 Nov 04 21:07	0°  27'04	
	6161 Nov 30 20:57	0° 			6162 Nov 04 14:34	0° 	
evening max el	6161 Dec 19 20:43	24°  00'51	24°44'05		6162 Nov 25 08:40	0° 	
	6161 Dec 27 22:44	0° 		evening max el	6162 Dec 02 09:24	7°  45'30	25°54'37
retrograde	6161 Dec 31 11:23	0°  46'38		retrograde	6162 Dec 14 21:09	14°  52'45	
	6162 Jan 03 17:44	30°  R 		evening set	6162 Dec 20 23:47	12°  52'15	
evening set	6162 Jan 06 00:49	28°  52'41		min. Earth dist.	6162 Dec 25 06:34	7°  46'10	0.66954 AU
asc. node	6162 Jan 09 04:26	25°  50'06		inferior conj	6162 Dec 26 16:51	5°  58'34	-0°07'19
min. Earth dist.	6162 Jan 10 14:42	23°  51'10	0.67737 AU	minimum elong	6162 Dec 26 17:02	5°  57'58	0°07'12
inferior conj	6162 Jan 11 13:45	22°  50'46	0°47'43	transit middle	6162 Dec 26 17:02	5°  57'58	0°07'12
minimum elong	6162 Jan 11 12:38	22°  50'43	0°47'18	transit begin	6162 Dec 26 14:30	6°  50'57	
morning rise	6162 Jan 17 00:36	16°  50'12		transit end	6162 Dec 26 19:35	5°  50'00	
direct	6162 Jan 20 17:08	14°  54'31		asc. node	6162 Dec 27 01:29	5°  53'30	
morning max el	6162 Jan 28 04:05	18°  55'01	19°51'20	morning rise	6163 Jan 01 10:49	0°  57'55	
	6162 Feb 06 01:55	0° 			6163 Jan 01 16:12	30°  R 	
greatest brilliancy	6162 Feb 10 08:04	6°  57'49	-0.6m	direct	6163 Jan 04 15:55	29°  58'52	
desc. node	6162 Feb 13 23:22	11°  53'21			6163 Jan 07 18:22	0° 	
morning set	6162 Feb 23 11:12	25°  59'41		morning max el	6163 Jan 11 11:56	2°  54'21	18°55'46
	6162 Feb 26 01:23	0° 			6163 Jan 30 15:28	0° 	
max. Earth dist.	6162 Mar 06 19:03	13°  54'58	1.44245 AU	desc. node	6163 Jan 31 20:24	1°  52'49	
				morning set	6163 Feb 02 18:20	4°  51'58	
superior conj	6162 Mar 11 20:22	21°  50'14	-2°07'49	max. Earth dist.	6163 Feb 17 11:24	27°  52'11	1.45172 AU
minimum elong	6162 Mar 11 17:09	21°  53'13	2°07'43		6163 Feb 18 19:56	0° 	
	6162 Mar 16 19:50	0° 					
evening rise	6162 Mar 25 04:58	14°  56'46		superior conj	6163 Feb 19 07:48	0°  54'43	-1°48'15
	6162 Apr 03 15:20	0° 		minimum elong	6163 Feb 18 22:57	0°  51'53	1°47'31
asc. node	6162 Apr 07 03:38	5°  52'54		evening rise	6163 Mar 06 09:19	24°  52'06	
evening max el	6162 Apr 12 07:59	11°  55'55	18°11'57		6163 Mar 09 13:03	0° 	
retrograde	6162 Apr 18 17:38	15°  59'11		asc. node	6163 Mar 25 00:42	23°  59'24	
evening set	6162 Apr 21 15:12	14°  53'15		evening max el	6163 Mar 26 19:57	25°  59'23	18°35'38
inferior conj	6162 Apr 27 17:11	9°  51'56	3°20'05	retrograde	6163 Apr 02 09:24	28°  59'40	
minimum elong	6162 Apr 27 18:46	9°  51'36	3°19'54	evening set	6163 Apr 05 13:35	28°  59'02	
min. Earth dist.	6162 Apr 30 09:04	6°  52'40	0.63138 AU	inferior conj	6163 Apr 11 06:49	22°  59'27	3°29'42
morning rise	6162 May 03 21:05	3°  59'33		minimum elong	6163 Apr 11 06:53	22°  59'27	3°29'42
direct	6162 May 10 16:49	0°  53'21		min. Earth dist.	6163 Apr 13 07:29	20°  59'01	0.64984 AU
desc. node	6162 May 12 22:39	0°  54'42		morning rise	6163 Apr 16 23:32	16°  59'13	
morning max el	6162 May 24 15:52	8°  53'32	27°48'01	direct	6163 Apr 23 15:27	13°  59'25	
	6162 Jun 10 05:13	0° 		desc. node	6163 Apr 29 19:41	15°  59'22	
	6162 Jun 27 06:29	0° 		morning max el	6163 May 07 01:55	21°  59'19	27°10'48
morning set	6162 Jun 28 01:57	1°  53'7			6163 May 14 14:45	0° 	
max. Earth dist.	6162 Jul 03 07:57	12°  52'29	1.32618 AU		6163 Jun 03 09:06	0° 	
asc. node	6162 Jul 04 02:53	14°  51'02		morning set	6163 Jun 11 14:52	15°  59'09	
				max. Earth dist.	6163 Jun 16 03:57	24°  59'12	1.33695 AU
superior conj	6162 Jul 05 19:27	17°  54'36	0°17'25		6163 Jun 18 23:16	0° 	
minimum elong	6162 Jul 05 18:37	17°  54'08	0°17'11				
	6162 Jul 11 10:15	0° 		superior conj	6163 Jun 19 22:31	2°  59'02	-0°10'53
evening rise	6162 Jul 12 18:29	2°  52'38		minimum elong	6163 Jun 19 23:06	2°  59'05	0°10'49
	6162 Jul 27 11:31	0° 		behind sun begin	6163 Jun 19 18:57	1°  59'43	
evening max el	6162 Aug 05 04:39	10°  59'43	23°29'22	behind sun end	6163 Jun 20 03:14	2°  59'27	
desc. node	6162 Aug 08 21:53	13°  59'52		asc. node	6163 Jun 20 23:56	4°  59'16	
retrograde	6162 Aug 18 18:07	17°  59'31		evening rise	6163 Jun 27 05:20	17°  59'30	
evening set	6162 Aug 22 21:45	16°  59'53			6163 Jul 03 10:17	0° 	
min. Earth dist.	6162 Aug 29 14:16	13°  59'45	0.55758 AU	evening max el	6163 Jul 17 19:59	21°  59'04	21°52'44
inferior conj	6162 Aug 31 14:06	12°  59'34	-5°13'59	desc. node	6163 Jul 26 18:55	26°  59'48	
minimum elong	6162 Aug 31 09:45	12°  59'41	5°13'34	retrograde	6163 Jul 30 10:52	27°  59'02	
morning rise	6162 Sep 09 00:08	8°  59'41		evening set	6163 Aug 02 04:27	27°  59'03	
direct	6162 Sep 11 21:14	8°  59'21		inferior conj	6163 Aug 11 10:40	23°  59'01	-4°15'15
morning max el	6162 Sep 22 09:14	13°  59'14	20°17'05	minimum elong	6163 Aug 11 01:42	23°  59'13	4°13'02
asc. node	6162 Sep 30 02:13	22°  59'54		min. Earth dist.	6163 Aug 10 23:55	23°  59'16	0.54856 AU
	6162 Oct 04 06:50	0° 		morning rise	6163 Aug 20 00:23	19°  59'10	
morning set	6162 Oct 10 21:09	12°  59'52		direct	6163 Aug 23 08:34	18°  59'46	
				morning max el	6163 Sep 04 10:47	24°  59'26	21°46'27
superior conj	6162 Oct 18 11:51	28°  59'29	1°39'59		6163 Sep 09 11:04	0° 	
minimum elong	6162 Oct 18 13:10	28°  59'35	1°39'55	asc. node	6163 Sep 16 23:16	11°  59'28	
	6162 Oct 19 05:54	0° 		morning set	6163 Sep 25 06:37	27°  59'39	
max. Earth dist.	6162 Oct 23 21:04	9°  59'05	1.36547 AU		6163 Sep 26 09:21	0° 	
evening rise	6162 Oct 27 17:29	16°  59'17					

superior conj	6163 Oct 02 11:39	12°♌53'14	1°42'47	morning set	6164 Sep 08 18:03	12°♏31'36	
minimum elong	6163 Oct 02 11:32	12°♌52'37	1°42'47				
max. Earth dist.	6163 Oct 06 09:35	20°♌57'22	1.34775 AU	superior conj	6164 Sep 15 17:41	27°♏34'40	1°38'58
evening rise	6163 Oct 10 18:16	29°♌33'10		minimum elong	6164 Sep 15 16:26	27°♏27'54	1°38'54
	6163 Oct 10 23:53	0°♍			6164 Sep 16 20:45	0°♌	
desc. node	6163 Oct 22 18:08	20°♍43'54		max. Earth dist.	6164 Sep 18 06:58	3°♌02'08	1.33396 AU
	6163 Oct 28 17:50	0°♎		evening rise	6164 Sep 23 07:53	13°♌24'53	
evening max el	6163 Nov 14 22:17	21°♎25'10	26°49'43		6164 Oct 02 04:34	0°♍	
retrograde	6163 Nov 28 01:31	28°♎42'38		desc. node	6164 Oct 08 15:09	10°♍39'36	
evening set	6163 Dec 04 16:10	26°♎04'48			6164 Oct 22 19:53	0°♎	
min. Earth dist.	6163 Dec 08 16:35	22°♎03'56	0.65819 AU	evening max el	6164 Oct 27 10:45	4°♎50'22	27°22'05
inferior conj	6163 Dec 10 14:25	19°♎50'21	-1°07'52	retrograde	6164 Nov 09 23:43	12°♎08'44	
minimum elong	6163 Dec 10 16:21	19°♎44'42	1°07'00	evening set	6164 Nov 16 23:34	9°♎31'14	
asc. node	6163 Dec 13 22:33	16°♎13'59		min. Earth dist.	6164 Nov 20 18:32	6°♎04'05	0.64348 AU
morning rise	6163 Dec 16 17:30	14°♎10'50		inferior conj	6164 Nov 23 04:07	3°♎31'17	-2°12'13
direct	6163 Dec 19 13:09	13°♎27'02		minimum elong	6164 Nov 23 08:03	3°♎20'48	2°10'38
morning max el	6163 Dec 26 01:29	16°♎57'22	18°16'24		6164 Nov 26 18:39	30°♏	
	6164 Jan 04 17:56	0°♐		morning rise	6164 Nov 29 17:57	28°♏05'56	
morning set	6164 Jan 14 04:50	15°♐08'17		asc. node	6164 Nov 29 19:35	28°♏04'13	
desc. node	6164 Jan 18 17:25	22°♐25'32		direct	6164 Dec 02 06:30	27°♏33'27	
	6164 Jan 23 11:18	0°♑			6164 Dec 07 17:08	0°♎	
				morning max el	6164 Dec 08 18:06	0°♎57'55	17°54'02
superior conj	6164 Jan 29 11:31	9°♑29'17	-1°10'47	morning set	6164 Dec 25 20:12	26°♎50'05	
minimum elong	6164 Jan 29 03:12	8°♑56'38	1°09'45		6164 Dec 27 17:12	0°♐	
max. Earth dist.	6164 Jan 31 06:23	12°♑17'31	1.45373 AU	desc. node	6165 Jan 04 14:26	13°♐06'37	
	6164 Feb 11 14:18	0°♑					
evening rise	6164 Feb 14 14:49	4°♑43'22		superior conj	6165 Jan 08 03:27	18°♐51'52	-0°24'51
greatest brilliancy	6164 Feb 25 23:18	22°♑22'32	-0.7m	minimum elong	6165 Jan 08 00:33	18°♐40'09	0°24'24
	6164 Mar 02 02:30	0°♒		max. Earth dist.	6165 Jan 13 01:30	26°♐43'08	1.44840 AU
evening max el	6164 Mar 09 04:36	8°♒56'19	19°16'40		6165 Jan 15 03:26	0°♑	
asc. node	6164 Mar 10 21:46	10°♒32'10		evening rise	6165 Jan 24 04:22	14°♑02'03	
retrograde	6164 Mar 16 05:43	12°♒56'34			6165 Feb 03 16:40	0°♑	
evening set	6164 Mar 19 17:14	11°♒45'52		greatest brilliancy	6165 Feb 07 21:59	6°♑15'12	-0.6m
inferior conj	6164 Mar 25 04:55	5°♒55'20	3°23'50	evening max el	6165 Feb 20 08:23	22°♑31'25	20°13'09
minimum elong	6164 Mar 25 03:45	5°♒59'08	3°23'44	asc. node	6165 Feb 25 18:48	26°♑35'08	
min. Earth dist.	6164 Mar 26 14:17	4°♒07'28	0.66437 AU	retrograde	6165 Feb 28 03:53	27°♑04'52	
	6164 Mar 30 05:02	30°♒		evening set	6165 Mar 03 23:55	25°♑39'33	
morning rise	6164 Mar 30 13:54	29°♒39'33		inferior conj	6165 Mar 09 08:37	19°♑35'18	3°05'48
direct	6164 Apr 05 20:40	26°♒52'52		minimum elong	6165 Mar 09 06:38	19°♑42'02	3°05'26
	6164 Apr 13 12:10	0°♓		min. Earth dist.	6165 Mar 10 03:45	18°♑30'28	0.67454 AU
desc. node	6164 Apr 15 16:43	1°♓46'08		morning rise	6165 Mar 14 13:09	13°♑20'22	
morning max el	6164 Apr 18 11:49	4°♓24'48	26°06'24	direct	6165 Mar 20 07:18	10°♑46'01	
	6164 May 08 00:51	0°♈		morning max el	6165 Mar 31 20:37	17°♑40'48	24°44'32
morning set	6164 May 24 14:49	28°♈00'33		desc. node	6165 Apr 02 13:45	19°♑28'48	
	6164 May 25 16:24	0°♉			6165 Apr 11 04:01	0°♒	
max. Earth dist.	6164 May 28 12:31	5°♉24'54	1.35246 AU		6165 May 01 01:39	0°♈	
				morning set	6165 May 06 20:53	9°♈57'25	
superior conj	6164 Jun 02 18:15	15°♉49'51	-0°41'03	max. Earth dist.	6165 May 10 11:35	16°♈27'23	1.37208 AU
minimum elong	6164 Jun 02 20:34	16°♉01'36	0°40'38				
asc. node	6164 Jun 06 20:59	24°♉17'58		superior conj	6165 May 17 03:33	29°♈03'47	-1°11'21
	6164 Jun 09 14:56	0°♊		minimum elong	6165 May 17 07:38	29°♈23'41	1°10'43
evening rise	6164 Jun 10 13:12	1°♊54'53			6165 May 17 15:05	0°♉	
	6164 Jun 27 02:34	0°♋		asc. node	6165 May 24 18:01	14°♉10'54	
evening max el	6164 Jun 28 22:03	1°♋55'15	20°28'15	evening rise	6165 May 25 15:45	15°♉59'42	
retrograde	6164 Jul 09 23:18	7°♋20'55			6165 Jun 01 23:35	0°♊	
evening set	6164 Jul 11 23:06	7°♋11'06		evening max el	6165 Jun 11 12:50	13°♊28'19	19°22'24
desc. node	6164 Jul 12 15:55	7°♋03'09		retrograde	6165 Jun 20 20:37	18°♊02'43	
inferior conj	6164 Jul 21 04:11	3°♋13'59	-2°31'28	evening set	6165 Jun 22 18:49	17°♊51'52	
minimum elong	6164 Jul 20 21:13	3°♋24'03	2°29'02	desc. node	6165 Jun 29 12:57	14°♊54'45	
min. Earth dist.	6164 Jul 22 10:58	2°♋29'23	0.54889 AU	inferior conj	6165 Jul 01 09:00	13°♊44'23	-0°33'07
	6164 Jul 27 06:30	30°♋		minimum elong	6165 Jul 01 07:32	13°♊46'46	0°32'35
morning rise	6164 Jul 29 18:30	29°♋06'40		min. Earth dist.	6165 Jul 04 00:22	12°♊01'31	0.55871 AU
direct	6164 Aug 02 18:21	28°♋32'16		morning rise	6165 Jul 09 17:31	9°♊04'21	
	6164 Aug 09 00:40	0°♌		direct	6165 Jul 14 13:48	8°♊11'04	
morning max el	6164 Aug 16 02:58	5°♌00'44	23°29'08	morning max el	6165 Jul 28 16:03	15°♊18'33	25°11'58
asc. node	6164 Sep 02 20:18	0°♍34'54			6165 Aug 09 10:09	0°♋	
	6164 Sep 02 12:57	0°♎		asc. node	6165 Aug 20 17:18	20°♋05'10	

morning set	6165 Aug 24 05:40	27°Ω22'08		morning set	6166 Aug 08 15:55	12°Ω06'56	
	6165 Aug 25 11:12	0°൬					
superior conj	6165 Aug 31 03:29	12°൬24'55	1°29'24	superior conj	6166 Aug 15 15:06	27°Ω18'00	1°14'46
minimum elong	6165 Aug 31 01:29	12°൬13'59	1°29'12	minimum elong	6166 Aug 15 12:49	27°Ω05'23	1°14'25
max. Earth dist.	6165 Sep 01 12:04	15°൬23'15	1.32449 AU	max. Earth dist.	6166 Aug 15 21:55	27°Ω55'46	1.31938 AU
evening rise	6165 Sep 07 06:44	27°൬41'23		evening rise	6166 Aug 16 20:24	0°൬	
	6165 Sep 08 09:50	0°Ω			6166 Aug 22 12:02	12°൬14'49	
	6165 Sep 25 10:59	0°ℳ			6166 Aug 31 13:17	0°Ω	
desc. node	6165 Sep 25 12:09	0°ℳ04'20		desc. node	6166 Sep 12 09:11	18°Ω45'40	
evening max el	6165 Oct 09 20:38	17°ℳ46'41	27°25'23	evening max el	6166 Sep 22 01:07	0°ℳ00'55	26°55'29
retrograde	6165 Oct 23 14:57	25°ℳ01'09			6166 Sep 22 00:44	0°ℳ	
evening set	6165 Oct 30 18:46	22°ℳ33'32		retrograde	6166 Oct 05 22:28	7°ℳ11'00	
min. Earth dist.	6165 Nov 03 10:22	19°ℳ35'49	0.62565 AU	evening set	6166 Oct 12 21:42	5°ℳ04'51	
inferior conj	6165 Nov 06 07:00	16°ℳ53'14	-3°17'32	min. Earth dist.	6166 Oct 16 15:19	2°ℳ26'27	0.60552 AU
minimum elong	6165 Nov 06 12:48	16°ℳ39'27	3°15'33	inferior conj	6166 Oct 19 19:45	29°Ω47'29	-4°18'27
morning rise	6165 Nov 13 08:38	11°ℳ45'35		minimum elong	6166 Oct 20 02:23	29°Ω33'38	4°16'46
direct	6165 Nov 15 16:46	11°ℳ20'47			6166 Oct 19 13:47	30°℞Ω	
asc. node	6165 Nov 16 16:36	11°ℳ25'22		morning rise	6166 Oct 27 09:10	25°Ω01'00	
morning max el	6165 Nov 22 10:45	14°ℳ47'55	17°49'26	direct	6166 Oct 29 15:59	24°Ω40'46	
	6165 Dec 02 23:15	0°℞		asc. node	6166 Nov 03 13:37	26°Ω18'43	
morning set	6165 Dec 08 10:32	9°℞37'38		morning max el	6166 Nov 06 00:12	28°Ω19'09	18°03'43
					6166 Nov 07 14:02	0°ℳ	
superior conj	6165 Dec 19 19:56	29°℞26'42	0°18'52	morning set	6166 Nov 21 17:28	23°ℳ11'44	
minimum elong	6165 Dec 19 21:44	29°℞34'16	0°18'38		6166 Nov 25 09:19	0°℞	
	6165 Dec 20 03:51	0°Ω		superior conj	6166 Dec 01 14:09	11°℞16'01	0°54'10
desc. node	6165 Dec 22 11:25	3°Ω52'01		minimum elong	6166 Dec 01 17:50	11°℞32'20	0°53'42
max. Earth dist.	6165 Dec 26 18:08	10°Ω52'16	1.43629 AU	max. Earth dist.	6166 Dec 09 05:47	24°℞27'24	1.41882 AU
evening rise	6166 Jan 03 16:03	23°Ω23'30		desc. node	6166 Dec 09 08:25	24°℞38'25	
	6166 Jan 07 23:20	0°≈			6166 Dec 12 14:27	0°Ω	
	6166 Jan 28 23:19	0°℞		evening rise	6166 Dec 14 16:44	3°Ω23'04	
evening max el	6166 Feb 03 06:37	6°℞07'33	21°22'11		6167 Jan 01 08:16	0°≈	
retrograde	6166 Feb 12 01:50	11°℞20'21		evening max el	6167 Jan 16 23:51	19°≈45'11	22°39'29
asc. node	6166 Feb 12 15:50	11°℞18'33		retrograde	6167 Jan 26 21:56	25°≈38'48	
evening set	6166 Feb 16 07:46	9°℞39'50		asc. node	6167 Jan 30 12:52	24°≈31'10	
inferior conj	6166 Feb 21 15:36	3°℞24'24	2°37'44	evening set	6167 Jan 31 15:08	23°≈42'53	
minimum elong	6166 Feb 21 13:16	3°℞32'31	2°37'06	inferior conj	6167 Feb 05 23:51	17°≈19'36	2°00'59
min. Earth dist.	6166 Feb 21 21:49	3°℞02'50	0.68036 AU	minimum elong	6167 Feb 05 21:36	17°≈27'22	2°00'15
	6166 Feb 24 04:29	30°℞≈		min. Earth dist.	6167 Feb 05 18:17	17°≈38'54	0.68214 AU
morning rise	6166 Feb 26 18:36	27°≈11'51		morning rise	6167 Feb 11 03:58	11°≈10'44	
direct	6166 Mar 03 22:29	24°≈56'43		direct	6167 Feb 15 17:23	9°≈17'57	
	6166 Mar 13 03:43	0°℞		morning max el	6167 Feb 24 18:39	14°≈35'05	21°48'12
morning max el	6166 Mar 14 05:51	1°℞03'53	23°15'25	desc. node	6167 Mar 07 07:46	27°≈28'13	
desc. node	6166 Mar 20 10:46	8°℞08'14			6167 Mar 09 03:42	0°℞	
	6166 Apr 05 02:25	0°℞		morning set	6167 Mar 29 05:31	0°℞12'32	
morning set	6166 Apr 18 03:18	20°℞44'58			6167 Mar 29 02:23	0°℞	
max. Earth dist.	6166 Apr 22 07:28	27°℞52'30	1.39399 AU	max. Earth dist.	6167 Apr 04 06:31	10°℞03'36	1.41559 AU
	6166 Apr 23 12:40	0°Ω					
superior conj	6166 Apr 29 22:31	11°Ω34'06	-1°39'08	superior conj	6167 Apr 11 22:18	23°℞08'36	-2°00'28
minimum elong	6166 Apr 30 03:44	11°Ω58'20	1°38'32	minimum elong	6167 Apr 12 02:49	23°℞28'25	2°00'12
evening rise	6166 May 09 10:06	29°Ω37'08			6167 Apr 15 18:53	0°Ω	
	6166 May 09 14:51	0°ℳ		evening rise	6167 Apr 22 16:32	12°Ω37'01	
asc. node	6166 May 11 15:02	3°ℳ50'50		asc. node	6167 Apr 28 12:05	23°Ω11'45	
evening max el	6166 May 25 14:21	25°ℳ42'13	18°37'07		6167 May 02 12:48	0°ℳ	
retrograde	6166 Jun 02 12:05	29°ℳ36'45		evening max el	6167 May 08 23:04	8°ℳ27'41	18°12'07
evening set	6166 Jun 04 15:51	29°ℳ20'16		retrograde	6167 May 15 22:06	11°ℳ57'55	
inferior conj	6166 Jun 12 10:08	24°ℳ54'16	1°08'57	evening set	6167 May 18 08:59	11°ℳ32'28	
minimum elong	6166 Jun 12 12:32	24°ℳ49'41	1°08'05	inferior conj	6167 May 25 08:39	6°ℳ46'10	2°21'42
min. Earth dist.	6166 Jun 15 17:56	22°ℳ23'05	0.57592 AU	minimum elong	6167 May 25 11:59	6°ℳ38'43	2°20'47
desc. node	6166 Jun 16 10:00	21°ℳ54'29		min. Earth dist.	6167 May 28 17:43	3°ℳ46'52	0.59727 AU
morning rise	6166 Jun 20 05:51	19°ℳ37'53		morning rise	6167 Jun 01 12:11	1°ℳ01'23	
direct	6166 Jun 25 23:22	18°ℳ15'44		desc. node	6167 Jun 03 07:02	0°ℳ06'02	
morning max el	6166 Jul 10 08:31	25°ℳ50'59	26°38'24		6167 Jun 03 12:42	30°℞Ω	
	6166 Jul 14 06:02	0°Ω		direct	6167 Jun 07 22:24	29°Ω05'21	
	6166 Aug 02 15:57	0°Ω			6167 Jun 12 11:59	0°ℳ	
asc. node	6166 Aug 07 14:19	9°Ω52'35		morning max el	6167 Jun 22 07:14	6°ℳ58'12	27°34'42
					6167 Jul 09 15:13	0°Ω	

morning set	6167 Jul 23 23:05	26°☿40'10		morning set	6168 Jul 07 01:11	10°☿55'51	
asc. node	6167 Jul 25 11:20	29°☿51'04		asc. node	6168 Jul 11 08:23	19°☿56'00	
	6167 Jul 25 13:01	0°♊		max. Earth dist.	6168 Jul 12 16:50	22°☿50'43	1.32209 AU
max. Earth dist.	6167 Jul 30 08:46	10°♊28'44	1.31854 AU				
				superior conj	6168 Jul 14 12:33	26°☿48'33	0°32'23
superior conj	6167 Jul 31 02:42	12°♊07'46	0°55'36	minimum elong	6168 Jul 14 11:08	26°☿40'45	0°32'03
minimum elong	6167 Jul 31 00:36	11°♊56'11	0°55'11		6168 Jul 15 23:31	0°♊	
evening rise	6167 Aug 06 21:26	26°♊57'41		evening rise	6168 Jul 21 08:55	11°♊43'45	
	6167 Aug 08 07:58	0°♊			6168 Jul 30 14:27	0°♊	
	6167 Aug 25 07:26	0°♊		evening max el	6168 Aug 15 12:23	22°♊06'35	24°25'33
desc. node	6167 Aug 30 06:13	6°♊26'13		desc. node	6168 Aug 16 03:16	22°♊41'41	
evening max el	6167 Sep 03 22:10	11°♊25'51	25°53'02	retrograde	6168 Aug 29 08:18	29°♊04'01	
retrograde	6167 Sep 17 21:06	18°♊31'49		evening set	6168 Sep 03 08:46	28°♊07'57	
evening set	6167 Sep 24 03:32	16°♊58'25		min. Earth dist.	6168 Sep 08 23:26	25°♊16'25	0.56607 AU
min. Earth dist.	6167 Sep 28 10:41	14°♊22'47	0.58474 AU	inferior conj	6168 Sep 11 14:02	23°♊37'29	-5°23'36
inferior conj	6167 Oct 01 14:55	12°♊04'54	-5°05'28	minimum elong	6168 Sep 11 13:42	23°♊38'01	5°23'36
minimum elong	6167 Oct 01 19:52	11°♊55'53	5°04'46	morning rise	6168 Sep 19 20:58	19°♊35'00	
morning rise	6167 Oct 09 14:31	7°♊41'23		direct	6168 Sep 22 12:46	19°♊15'57	
direct	6167 Oct 11 23:45	7°♊22'58		morning max el	6168 Oct 02 03:41	23°♊47'01	19°34'42
morning max el	6167 Oct 20 07:00	11°♊22'24	18°38'20	asc. node	6168 Oct 07 07:42	29°♊52'32	
asc. node	6167 Oct 21 10:39	12°♊32'57			6168 Oct 07 09:49	0°♊	
	6167 Nov 01 16:31	0°♊		morning set	6168 Oct 19 14:29	21°♊46'35	
morning set	6167 Nov 05 12:03	7°♊18'21			6168 Oct 23 16:13	0°♊	
superior conj	6167 Nov 14 05:41	24°♊06'57	1°19'21	superior conj	6168 Oct 27 13:08	7°♊43'40	1°34'55
minimum elong	6167 Nov 14 09:06	24°♊23'00	1°19'00	minimum elong	6168 Oct 27 15:18	7°♊54'22	1°34'47
	6167 Nov 17 10:03	0°♊		max. Earth dist.	6168 Nov 02 17:25	19°♊32'36	1.37700 AU
max. Earth dist.	6167 Nov 21 12:22	7°♊18'58	1.39820 AU	evening rise	6168 Nov 06 11:22	26°♊20'04	
evening rise	6167 Nov 25 14:54	14°♊21'33			6168 Nov 08 13:36	0°♊	
desc. node	6167 Nov 26 05:27	15°♊22'28		desc. node	6168 Nov 12 02:28	5°♊59'47	
	6167 Dec 05 08:35	0°♊			6168 Nov 27 21:28	0°♊	
	6167 Dec 27 08:14	0°♊		evening max el	6168 Dec 12 02:53	17°♊11'41	25°15'38
evening max el	6167 Dec 30 13:57	3°♊26'46	23°59'31	retrograde	6168 Dec 24 03:21	24°♊07'59	
retrograde	6168 Jan 10 14:50	9°♊56'30		evening set	6168 Dec 29 22:18	21°♊43'52	
evening set	6168 Jan 15 20:31	7°♊45'44		asc. node	6169 Jan 03 06:58	16°♊54'51	
asc. node	6168 Jan 17 09:54	6°♊15'15		min. Earth dist.	6169 Jan 03 09:09	16°♊47'48	0.67443 AU
min. Earth dist.	6168 Jan 20 14:51	2°♊15'19	0.68011 AU	inferior conj	6169 Jan 04 12:52	15°♊17'50	0°25'08
inferior conj	6168 Jan 21 07:33	1°♊18'42	1°16'33	minimum elong	6169 Jan 04 12:14	15°♊19'51	0°24'55
minimum elong	6168 Jan 21 05:53	1°♊24'22	1°15'56	morning rise	6169 Jan 10 02:27	9°♊21'36	
	6168 Jan 22 06:56	30°♊		direct	6169 Jan 13 13:56	8°♊11'53	
morning rise	6168 Jan 26 15:15	25°♊15'07		morning max el	6169 Jan 20 17:35	12°♊11'09	19°25'44
direct	6168 Jan 30 15:01	23°♊44'49		greatest brilliancy	6169 Feb 02 19:47	29°♊32'29	-0.7m
morning max el	6168 Feb 07 14:09	28°♊17'40	20°30'11		6169 Feb 03 03:09	0°♊	
	6168 Feb 09 05:01	0°♊		desc. node	6169 Feb 08 01:47	7°♊28'52	
desc. node	6168 Feb 22 04:47	17°♊17'59		morning set	6169 Feb 14 05:47	16°♊57'28	
	6168 Mar 01 17:08	0°♊			6169 Feb 22 15:10	0°♊	
morning set	6168 Mar 07 07:48	8°♊36'50		max. Earth dist.	6169 Feb 27 01:56	6°♊59'43	1.44728 AU
max. Earth dist.	6168 Mar 16 12:34	23°♊08'45	1.43414 AU				
	6168 Mar 20 17:36	0°♊		superior conj	6169 Mar 02 21:37	13°♊03'53	-2°02'01
				minimum elong	6169 Mar 02 15:35	12°♊39'48	2°01'41
superior conj	6168 Mar 22 22:29	3°♊38'45	-2°09'59		6169 Mar 13 07:42	0°♊	
minimum elong	6168 Mar 22 22:59	3°♊40'54	2°10'00	evening rise	6169 Mar 17 00:20	6°♊08'16	
evening rise	6168 Apr 04 06:46	24°♊50'12			6169 Mar 31 21:25	0°♊	
	6168 Apr 07 05:21	0°♊		asc. node	6169 Apr 01 06:11	0°♊29'54	
asc. node	6168 Apr 14 09:08	12°♊07'30		evening max el	6169 Apr 05 00:26	4°♊58'47	18°19'51
evening max el	6168 Apr 21 11:29	21°♊35'59	18°06'35	retrograde	6169 Apr 11 10:30	8°♊25'36	
retrograde	6168 Apr 27 23:00	24°♊57'25		evening set	6169 Apr 14 10:56	7°♊36'10	
evening set	6168 Apr 30 16:49	24°♊20'38		inferior conj	6169 Apr 20 08:46	2°♊11'22	3°26'17
inferior conj	6168 May 07 01:34	19°♊14'31	3°05'40	minimum elong	6169 Apr 20 09:42	2°♊08'43	3°26'13
minimum elong	6168 May 07 04:01	19°♊08'17	3°05'15		6169 Apr 22 06:42	30°♊	
min. Earth dist.	6168 May 10 01:30	16°♊11'59	0.61946 AU	min. Earth dist.	6169 Apr 22 18:21	29°♊27'30	0.63974 AU
morning rise	6168 May 13 13:24	13°♊12'17		morning rise	6169 Apr 26 07:31	26°♊00'07	
direct	6168 May 20 08:17	10°♊46'47		direct	6169 May 03 02:38	23°♊16'24	
desc. node	6168 May 20 04:05	10°♊46'53		desc. node	6169 May 07 01:07	24°♊04'05	
morning max el	6168 Jun 03 11:57	18°♊47'33	27°53'50		6169 May 15 13:52	0°♊	
	6168 Jun 12 22:49	0°♊		morning max el	6169 May 16 20:41	1°♊15'18	27°35'59
	6168 Jul 01 11:32	0°♊			6169 Jun 07 02:22	0°♊	

morning set	6169 Jun 20 19:48	24° Π 46'47		morning max el	6170 Apr 29 06:54	14° Υ 10'53	26°46'18
	6169 Jun 23 10:06	0° \mathfrak{E}			6170 May 12 03:18	0° \mathfrak{B}	
max. Earth dist.	6169 Jun 25 18:20	4° \mathfrak{E} 50'47	1.33020 AU		6170 May 30 19:33	0° Π	
asc. node	6169 Jun 28 05:25	10° \mathfrak{E} 03'13		morning set	6170 Jun 04 03:42	8° Π 02'56	
				max. Earth dist.	6170 Jun 08 09:53	16° Π 21'35	1.34303 AU
superior conj	6169 Jun 28 18:46	11° \mathfrak{E} 14'30	0°05'45				
minimum elong	6169 Jun 28 18:29	11° \mathfrak{E} 12'59	0°05'39	superior conj	6170 Jun 12 19:02	25° Π 18'02	-0°23'31
behind sun begin	6169 Jun 28 13:24	10° \mathfrak{E} 45'51		minimum elong	6170 Jun 12 20:18	25° Π 24'42	0°23'18
behind sun end	6169 Jun 28 23:33	11° \mathfrak{E} 40'08		asc. node	6170 Jun 15 02:27	0° \mathfrak{E} 07'56	
evening rise	6169 Jul 05 20:34	26° \mathfrak{E} 27'01			6170 Jun 15 00:56	0° \mathfrak{E}	
	6169 Jul 07 13:08	0° \mathfrak{Q}		evening rise	6170 Jun 20 06:25	11° \mathfrak{E} 00'19	
	6169 Jul 25 17:24	0° \mathfrak{M}			6170 Jun 30 04:12	0° \mathfrak{Q}	
evening max el	6169 Jul 28 01:00	2° \mathfrak{M} 25'59	22°47'31	evening max el	6170 Jul 09 20:10	12° \mathfrak{Q} 56'35	21°14'42
desc. node	6169 Aug 03 00:19	7° \mathfrak{M} 00'56		desc. node	6170 Jul 20 21:22	18° \mathfrak{Q} 50'16	
retrograde	6169 Aug 10 06:37	9° \mathfrak{M} 02'00		retrograde	6170 Jul 21 20:07	18° \mathfrak{Q} 52'26	
evening set	6169 Aug 13 18:41	8° \mathfrak{M} 35'09		evening set	6170 Jul 24 04:02	18° \mathfrak{Q} 39'49	
min. Earth dist.	6169 Aug 21 09:05	5° \mathfrak{M} 12'36	0.55274 AU	inferior conj	6170 Aug 02 11:46	14° \mathfrak{Q} 41'27	-3°35'18
inferior conj	6169 Aug 22 18:22	4° \mathfrak{M} 24'58	-4°55'42	minimum elong	6170 Aug 02 02:52	14° \mathfrak{Q} 53'57	3°32'38
minimum elong	6169 Aug 22 11:23	4° \mathfrak{M} 34'59	4°54'34	min. Earth dist.	6170 Aug 02 18:45	14° \mathfrak{Q} 31'40	0.54755 AU
morning rise	6169 Aug 31 06:09	0° \mathfrak{M} 35'13		morning rise	6170 Aug 11 02:24	10° \mathfrak{Q} 46'54	
direct	6169 Sep 03 07:52	0° \mathfrak{M} 13'19		direct	6170 Aug 14 16:39	10° \mathfrak{Q} 19'07	
morning max el	6169 Sep 14 12:04	5° \mathfrak{M} 25'57	20°52'49	morning max el	6170 Aug 27 09:00	16° \mathfrak{Q} 19'46	22°29'09
asc. node	6169 Sep 24 04:44	18° \mathfrak{M} 03'14			6170 Sep 07 01:55	0° \mathfrak{M}	
	6169 Sep 30 17:19	0° \mathfrak{A}		asc. node	6170 Sep 11 01:45	6° \mathfrak{M} 52'08	
morning set	6169 Oct 03 22:04	6° \mathfrak{A} 29'04		morning set	6170 Sep 18 08:35	21° \mathfrak{M} 18'55	
					6170 Sep 22 10:29	0° \mathfrak{A}	
superior conj	6169 Oct 11 08:02	21° \mathfrak{A} 53'46	1°42'02				
minimum elong	6169 Oct 11 08:43	21° \mathfrak{A} 57'16	1°42'02	superior conj	6170 Sep 25 10:49	6° \mathfrak{A} 26'10	1°41'54
	6169 Oct 15 08:26	0° \mathfrak{M}		minimum elong	6170 Sep 25 10:10	6° \mathfrak{A} 22'45	1°41'54
max. Earth dist.	6169 Oct 16 02:15	1° \mathfrak{M} 27'43	1.35756 AU	max. Earth dist.	6170 Sep 28 18:38	13° \mathfrak{A} 24'25	1.34139 AU
evening rise	6169 Oct 20 03:03	9° \mathfrak{M} 10'55		evening rise	6170 Oct 03 09:43	22° \mathfrak{A} 42'56	
desc. node	6169 Oct 29 23:30	26° \mathfrak{M} 25'55			6170 Oct 07 05:38	0° \mathfrak{M}	
	6169 Nov 01 04:32	0° \mathfrak{X}		desc. node	6170 Oct 16 20:32	16° \mathfrak{M} 34'48	
	6169 Nov 23 17:16	0° \mathfrak{Z}			6170 Oct 25 21:32	0° \mathfrak{X}	
evening max el	6169 Nov 24 15:50	0° \mathfrak{Z} 55'41	26°20'24	evening max el	6170 Nov 07 04:38	14° \mathfrak{X} 30'11	27°06'35
retrograde	6169 Dec 07 10:38	8° \mathfrak{Z} 07'41		retrograde	6170 Nov 20 12:19	21° \mathfrak{X} 48'36	
evening set	6169 Dec 13 18:40	5° \mathfrak{Z} 33'21		evening set	6170 Nov 27 07:32	19° \mathfrak{X} 09'39	
min. Earth dist.	6169 Dec 17 22:46	1° \mathfrak{Z} 12'26	0.66519 AU	min. Earth dist.	6170 Dec 01 05:26	15° \mathfrak{X} 23'43	0.65238 AU
	6169 Dec 18 22:37	30° \mathfrak{R} \mathfrak{X}		inferior conj	6170 Dec 03 08:22	13° \mathfrak{X} 00'55	-1°34'49
inferior conj	6169 Dec 19 13:51	29° \mathfrak{X} 13'22	-0°32'24	minimum elong	6170 Dec 03 11:08	12° \mathfrak{X} 53'09	1°33'39
minimum elong	6169 Dec 19 14:44	29° \mathfrak{X} 10'41	0°31'58	asc. node	6170 Dec 08 01:02	8° \mathfrak{X} 25'55	
asc. node	6169 Dec 21 04:01	27° \mathfrak{X} 19'32		morning rise	6170 Dec 09 15:52	7° \mathfrak{X} 27'19	
morning rise	6169 Dec 25 11:27	23° \mathfrak{X} 27'01		direct	6170 Dec 12 08:15	6° \mathfrak{X} 48'46	
direct	6169 Dec 28 12:23	22° \mathfrak{X} 34'46		morning max el	6170 Dec 18 19:19	10° \mathfrak{X} 15'11	18°04'49
morning max el	6170 Jan 04 04:04	26° \mathfrak{X} 12'10	18°36'58		6171 Jan 01 12:24	0° \mathfrak{Z}	
	6170 Jan 07 11:53	0° \mathfrak{Z}		morning set	6171 Jan 05 22:41	7° \mathfrak{Z} 17'12	
morning set	6170 Jan 24 23:27	26° \mathfrak{Z} 22'47		desc. node	6171 Jan 12 19:46	18° \mathfrak{Z} 31'46	
desc. node	6170 Jan 25 22:47	27° \mathfrak{Z} 54'56			6171 Jan 19 23:40	0° \mathfrak{A}	
	6170 Jan 27 06:27	0° \mathfrak{A}					
superior conj	6170 Feb 10 03:16	21° \mathfrak{A} 47'03	-1°34'07	superior conj	6171 Jan 20 09:54	0° \mathfrak{A} 40'32	-0°51'38
minimum elong	6170 Feb 09 17:44	21° \mathfrak{A} 09'41	1°33'09	minimum elong	6171 Jan 20 03:38	0° \mathfrak{A} 15'46	0°50'46
max. Earth dist.	6170 Feb 09 20:11	21° \mathfrak{A} 19'19	1.45353 AU	max. Earth dist.	6171 Jan 23 15:54	5° \mathfrak{A} 48'10	1.45230 AU
	6170 Feb 15 08:51	0° \mathfrak{X}		evening rise	6171 Feb 05 16:01	26° \mathfrak{A} 03'14	
evening rise	6170 Feb 25 18:35	16° \mathfrak{X} 29'04			6171 Feb 08 05:16	0° \mathfrak{X}	
greatest brilliancy	6170 Mar 06 02:09	29° \mathfrak{X} 44'05	-0.8m	greatest brilliancy	6171 Feb 18 21:30	16° \mathfrak{X} 18'06	-0.7m
	6170 Mar 06 06:11	0° \mathfrak{Y}			6171 Feb 28 21:02	0° \mathfrak{Y}	
asc. node	6170 Mar 19 03:14	18° \mathfrak{Y} 08'24		evening max el	6171 Mar 02 17:52	2° \mathfrak{Y} 02'57	19°38'55
evening max el	6170 Mar 19 11:13	18° \mathfrak{Y} 29'01	18°51'03	asc. node	6171 Mar 06 00:16	4° \mathfrak{Y} 50'42	
retrograde	6170 Mar 26 04:35	22° \mathfrak{Y} 13'59		retrograde	6171 Mar 10 02:07	6° \mathfrak{Y} 16'42	
evening set	6170 Mar 29 11:52	21° \mathfrak{Y} 11'05		evening set	6171 Mar 13 17:05	4° \mathfrak{Y} 59'49	
inferior conj	6170 Apr 04 02:21	15° \mathfrak{Y} 29'12	3°28'54		6171 Mar 18 09:50	30° \mathfrak{R} \mathfrak{X}	
minimum elong	6170 Apr 04 01:51	15° \mathfrak{Y} 30'46	3°28'52	inferior conj	6171 Mar 19 03:10	29° \mathfrak{X} 02'54	3°17'34
min. Earth dist.	6170 Apr 05 20:19	13° \mathfrak{Y} 18'41	0.65654 AU	minimum elong	6171 Mar 19 01:36	29° \mathfrak{X} 08'06	3°17'21
morning rise	6170 Apr 09 15:23	9° \mathfrak{Y} 14'07		min. Earth dist.	6171 Mar 20 06:14	27° \mathfrak{X} 33'15	0.66914 AU
direct	6170 Apr 16 03:55	6° \mathfrak{Y} 25'17		morning rise	6171 Mar 24 09:52	22° \mathfrak{X} 47'07	
desc. node	6170 Apr 23 22:08	9° \mathfrak{Y} 29'12		direct	6171 Mar 30 11:25	20° \mathfrak{X} 04'52	
				desc. node	6171 Apr 10 19:07	26° \mathfrak{X} 29'51	

morning max el	6171 Apr 11 16:36	27° X 23'08	25°33'17	direct	6172 Mar 13 00:10	4° X 05'57	
	6171 Apr 14 03:33	0° Y		morning max el	6172 Mar 24 01:18	10° X 42'14	24°06'56
	6171 May 05 19:14	0° B		desc. node	6172 Mar 27 16:06	14° X 38'45	
morning set	6171 May 17 20:45	20° B 33'25			6172 Apr 08 09:25	0° Y	
max. Earth dist.	6171 May 21 14:17	27° B 28'40	1.36038 AU		6172 Apr 27 12:55	0° B	
	6171 May 22 22:03	0° II		morning set	6172 Apr 28 17:29	2° B 02'44	
				max. Earth dist.	6172 May 02 10:33	8° B 34'16	1.38120 AU
superior conj	6171 May 27 10:44	8° II 52'36	-0°54'00				
minimum elong	6171 May 27 13:49	9° II 08'02	0°53'28	superior conj	6172 May 09 14:26	21° B 48'57	-1°23'39
asc. node	6171 Jun 01 23:29	20° II 06'36		minimum elong	6172 May 09 19:08	22° B 11'24	1°22'59
evening rise	6171 Jun 04 12:22	25° II 17'47			6172 May 13 19:51	0° II	
	6171 Jun 06 20:23	0° B		evening rise	6172 May 18 11:48	9° II 11'37	
evening max el	6171 Jun 22 03:35	24° B 04'36	19°57'42	asc. node	6172 May 18 20:31	9° II 54'34	
retrograde	6171 Jul 02 11:12	29° B 08'17			6172 May 30 03:01	0° B	
evening set	6171 Jul 04 08:38	28° B 58'48		evening max el	6172 Jun 03 23:21	5° B 56'09	19°00'41
desc. node	6171 Jul 07 18:23	27° B 58'26		retrograde	6172 Jun 12 15:30	10° B 11'39	
inferior conj	6171 Jul 13 08:33	24° B 58'33	-1°40'56	evening set	6172 Jun 14 15:30	9° B 58'59	
minimum elong	6171 Jul 13 03:52	25° B 05'39	1°39'13	inferior conj	6172 Jun 22 21:26	5° B 44'36	0°13'19
min. Earth dist.	6171 Jul 15 06:46	23° B 48'40	0.55199 AU	minimum elong	6172 Jun 22 21:59	5° B 43'40	0°13'04
morning rise	6171 Jul 21 21:19	20° B 38'20		transit middle	6172 Jun 22 21:59	5° B 43'40	0°13'04
direct	6171 Jul 26 05:04	19° B 57'26		transit begin	6172 Jun 22 19:48	5° B 47'28	
morning max el	6171 Aug 08 23:13	26° B 44'08	24°13'48	transit end	6172 Jun 23 00:10	5° B 39'51	
	6171 Aug 12 03:03	0° Q		desc. node	6172 Jun 23 15:23	5° B 13'15	
asc. node	6171 Aug 28 22:46	26° Q 09'40		min. Earth dist.	6172 Jun 25 22:04	3° B 38'59	0.56528 AU
	6171 Aug 30 20:57	0° P		morning rise	6172 Jul 01 01:09	0° B 48'27	
morning set	6171 Sep 02 20:17	6° P 10'50			6172 Jul 03 16:08	30° R II	
				direct	6172 Jul 06 06:47	29° II 43'40	
superior conj	6171 Sep 09 18:44	21° P 12'25	1°35'34		6172 Jul 08 21:39	0° B	
minimum elong	6171 Sep 09 17:07	21° P 03'36	1°35'27	morning max el	6172 Jul 20 13:08	7° B 05'11	25°51'34
max. Earth dist.	6171 Sep 11 19:24	25° P 35'26	1.32938 AU		6172 Aug 06 10:59	0° Q	
	6171 Sep 13 21:06	0° B		asc. node	6172 Aug 14 19:47	15° Q 48'17	
evening rise	6171 Sep 17 03:38	6° B 46'08		morning set	6172 Aug 17 07:33	20° Q 59'57	
	6171 Sep 29 18:33	0° M			6172 Aug 21 11:16	0° P	
desc. node	6171 Oct 03 17:34	6° M 18'43					
evening max el	6171 Oct 20 16:01	27° M 43'49	27°27'16	superior conj	6172 Aug 24 05:35	6° P 05'24	1°23'48
	6171 Oct 23 05:29	0° X		minimum elong	6172 Aug 24 03:24	5° P 53'25	1°23'31
retrograde	6171 Nov 03 07:48	5° X 01'42		max. Earth dist.	6172 Aug 25 02:46	8° P 02'05	1.32176 AU
evening set	6171 Nov 10 10:12	2° X 26'43		evening rise	6172 Aug 31 05:35	21° P 11'33	
	6171 Nov 13 07:47	30° R M			6172 Sep 04 14:22	0° B	
min. Earth dist.	6171 Nov 14 03:12	29° M 13'07	0.63621 AU	desc. node	6172 Sep 19 14:36	25° B 27'23	
inferior conj	6171 Nov 16 17:48	26° M 34'27	-2°40'06		6172 Sep 22 21:27	0° M	
minimum elong	6171 Nov 16 22:35	26° M 22'17	2°38'17	evening max el	6172 Oct 02 00:01	10° M 24'38	27°16'53
morning rise	6171 Nov 23 12:38	21° M 16'31		retrograde	6172 Oct 15 20:17	17° M 37'43	
asc. node	6171 Nov 24 22:04	20° M 53'07		evening set	6172 Oct 22 23:09	15° M 17'56	
direct	6171 Nov 25 22:50	20° M 47'51		min. Earth dist.	6172 Oct 26 14:41	12° M 29'46	0.61725 AU
morning max el	6171 Dec 02 12:24	24° M 12'31	17°49'52	inferior conj	6172 Oct 29 15:11	9° M 46'44	-3°44'24
	6171 Dec 07 05:00	0° X		minimum elong	6172 Oct 29 21:32	9° M 32'24	3°42'26
morning set	6171 Dec 19 00:36	19° X 29'04		morning rise	6172 Nov 05 21:55	4° M 47'38	
	6171 Dec 25 03:52	0° B		direct	6172 Nov 08 04:56	4° M 25'14	
desc. node	6171 Dec 30 16:46	9° B 15'04		asc. node	6172 Nov 10 19:05	4° M 54'53	
				morning max el	6172 Nov 15 04:10	7° M 56'30	17°53'04
superior conj	6171 Dec 31 11:32	10° B 32'10	-0°05'34		6172 Nov 29 11:38	0° X	
minimum elong	6171 Dec 31 10:56	10° B 29'43	0°05'26	morning set	6172 Nov 30 22:49	2° X 39'17	
behind sun begin	6171 Dec 31 01:45	9° B 52'01					
behind sun end	6171 Dec 31 20:07	11° B 07'20		superior conj	6172 Dec 11 15:23	21° X 40'16	0°35'02
max. Earth dist.	6172 Jan 06 09:49	20° B 07'08	1.44391 AU	minimum elong	6172 Dec 11 18:18	21° X 52'53	0°34'38
	6172 Jan 12 16:31	0° B		desc. node	6172 Dec 16 13:49	0° B 01'49	
evening rise	6172 Jan 16 02:41	5° B 17'36			6172 Dec 16 13:22	0° B	
	6172 Feb 01 15:20	0° X		max. Earth dist.	6172 Dec 19 00:07	4° B 02'25	1.42941 AU
evening max el	6172 Feb 13 19:11	15° X 37'56	20°41'15	evening rise	6172 Dec 25 18:27	14° B 52'22	
asc. node	6172 Feb 20 21:19	20° X 21'25			6173 Jan 04 16:19	0° B	
retrograde	6172 Feb 22 00:29	20° X 28'12		evening max el	6173 Jan 26 15:15	29° B 14'58	21°54'24
evening set	6172 Feb 26 00:26	18° X 56'38			6173 Jan 27 09:26	0° X	
inferior conj	6172 Mar 02 08:32	12° X 47'12	2°55'02	retrograde	6173 Feb 04 21:47	4° X 45'10	
minimum elong	6172 Mar 02 06:21	12° X 54'44	2°54'33	asc. node	6173 Feb 06 18:21	4° X 27'04	
min. Earth dist.	6172 Mar 02 22:03	12° X 00'45	0.67745 AU	evening set	6173 Feb 09 08:16	2° X 58'21	
morning rise	6172 Mar 07 12:02	6° X 32'51			6173 Feb 12 04:27	30° R B	

inferior conj	6173 Feb 14 16:18	26° \approx 39'19	2°23'07	minimum elong	6174 Jan 29 22:30	10° \approx 43'38	1°42'19
minimum elong	6173 Feb 14 13:57	26° \approx 47'30	2°22'27	morning rise	6174 Feb 04 05:55	4° \approx 29'52	
min. Earth dist.	6173 Feb 14 17:30	26° \approx 35'11	0.68163 AU	direct	6174 Feb 08 13:30	2° \approx 46'38	
morning rise	6173 Feb 19 19:27	20° \approx 28'01		morning max el	6174 Feb 17 02:41	7° \approx 43'13	21°13'32
direct	6173 Feb 24 17:14	18° \approx 21'55		desc. node	6174 Mar 01 10:09	23° \approx 10'52	
morning max el	6173 Mar 06 11:23	24° \approx 07'32	22°37'28		6174 Mar 06 03:59	0° \approx	
	6173 Mar 11 16:32	0° \approx		morning set	6174 Mar 20 02:45	21° \approx 12'07	
desc. node	6173 Mar 14 13:08	3° \approx 36'56			6174 Mar 25 14:55	0° \approx	
	6173 Apr 01 19:44	0° \approx		max. Earth dist.	6174 Mar 27 09:00	2° \approx 51'33	1.42404 AU
morning set	6173 Apr 09 12:05	12° \approx 16'01					
max. Earth dist.	6173 Apr 14 06:37	20° \approx 14'48	1.40338 AU	superior conj	6174 Apr 03 16:06	15° \approx 05'23	-2°06'18
	6173 Apr 19 21:03	0° \approx		minimum elong	6174 Apr 03 19:22	15° \approx 19'24	2°06'12
					6174 Apr 12 03:38	0° \approx	
superior conj	6173 Apr 22 01:50	3° \approx 56'54	-1°49'16	evening rise	6174 Apr 15 01:37	5° \approx 15'14	
minimum elong	6173 Apr 22 07:05	4° \approx 20'39	1°48'48	asc. node	6174 Apr 22 14:37	18° \approx 38'19	
evening rise	6173 May 02 01:30	22° \approx 33'45			6174 Apr 30 08:28	0° \approx	
asc. node	6173 May 05 17:34	29° \approx 27'00		evening max el	6174 May 01 15:11	1° \approx 21'31	18°07'27
	6173 May 06 00:42	0° \approx		retrograde	6174 May 08 07:53	4° \approx 46'10	
evening max el	6173 May 18 04:28	18° \approx 24'59	18°24'08	evening set	6174 May 10 21:52	4° \approx 15'58	
retrograde	6173 May 25 14:52	22° \approx 06'47			6174 May 16 21:59	30° \approx	
evening set	6173 May 27 21:48	21° \approx 46'44		inferior conj	6174 May 17 14:39	29° \approx 20'49	2°43'34
inferior conj	6173 Jun 04 07:48	17° \approx 12'16	1°43'32	minimum elong	6174 May 17 17:44	29° \approx 13'28	2°42'51
minimum elong	6173 Jun 04 10:55	17° \approx 05'54	1°42'32	min. Earth dist.	6174 May 20 20:37	26° \approx 17'30	0.60675 AU
min. Earth dist.	6173 Jun 07 17:53	14° \approx 26'15	0.58470 AU	morning rise	6174 May 24 11:18	23° \approx 27'33	
desc. node	6173 Jun 10 12:25	12° \approx 29'17		desc. node	6174 May 28 09:27	21° \approx 39'37	
morning rise	6173 Jun 11 20:51	11° \approx 42'53		direct	6174 May 31 02:12	21° \approx 18'21	
direct	6173 Jun 17 22:34	10° \approx 06'12		morning max el	6174 Jun 14 09:16	29° \approx 14'52	27°47'41
morning max el	6173 Jul 02 07:50	17° \approx 49'42	27°06'37		6174 Jun 15 03:09	0° \approx	
	6173 Jul 12 11:04	0° \approx			6174 Jul 06 09:18	0° \approx	
	6173 Jul 29 22:42	0° \approx		morning set	6174 Jul 16 21:59	20° \approx 07'28	
morning set	6173 Aug 01 16:42	5° \approx 40'37		asc. node	6174 Jul 19 13:52	25° \approx 43'19	
asc. node	6173 Aug 01 16:49	5° \approx 41'11			6174 Jul 21 13:30	0° \approx	
				max. Earth dist.	6174 Jul 22 23:55	3° \approx 07'52	1.31954 AU
superior conj	6173 Aug 08 17:24	20° \approx 58'05	1°07'12				
minimum elong	6173 Aug 08 15:09	20° \approx 45'33	1°06'47	superior conj	6174 Jul 24 04:29	5° \approx 44'53	0°46'14
max. Earth dist.	6173 Aug 08 13:33	20° \approx 36'45	1.31850 AU	minimum elong	6174 Jul 24 02:37	5° \approx 34'34	0°45'50
	6173 Aug 12 19:47	0° \approx		evening rise	6174 Jul 30 23:28	20° \approx 35'50	
evening rise	6173 Aug 15 12:55	5° \approx 50'24			6174 Aug 04 12:36	0° \approx	
	6173 Aug 28 05:20	0° \approx			6174 Aug 23 13:18	0° \approx	
desc. node	6173 Sep 06 11:39	13° \approx 45'46		desc. node	6174 Aug 24 08:41	0° \approx 53'43	
evening max el	6173 Sep 14 01:50	22° \approx 19'44	26°32'45	evening max el	6174 Aug 26 19:41	3° \approx 24'26	25°18'06
retrograde	6173 Sep 28 00:05	29° \approx 27'20		retrograde	6174 Sep 09 17:40	10° \approx 27'08	
evening set	6173 Oct 04 17:43	27° \approx 34'19		evening set	6174 Sep 15 13:11	9° \approx 09'30	
min. Earth dist.	6173 Oct 08 15:29	24° \approx 59'10	0.59666 AU	min. Earth dist.	6174 Sep 20 07:17	6° \approx 29'34	0.57647 AU
inferior conj	6173 Oct 11 20:56	22° \approx 27'16	-4°40'51	inferior conj	6174 Sep 23 07:43	4° \approx 26'19	-5°17'41
minimum elong	6173 Oct 12 03:15	22° \approx 14'48	4°39'31	minimum elong	6174 Sep 23 10:52	4° \approx 20'56	5°17'25
morning rise	6173 Oct 19 14:55	17° \approx 50'02		morning rise	6174 Oct 01 10:50	0° \approx 12'22	
direct	6173 Oct 21 22:19	17° \approx 30'49			6174 Oct 02 12:23	30° \approx	
asc. node	6173 Oct 28 16:07	20° \approx 24'30		direct	6174 Oct 03 22:37	29° \approx 53'50	
morning max el	6173 Oct 29 15:10	21° \approx 17'04	18°15'46		6174 Oct 05 08:17	0° \approx	
	6173 Nov 05 06:56	0° \approx		morning max el	6174 Oct 12 17:59	4° \approx 04'49	18°59'33
morning set	6173 Nov 14 11:17	16° \approx 29'19		asc. node	6174 Oct 15 13:09	7° \approx 08'17	
	6173 Nov 21 15:29	0° \approx		morning set	6174 Oct 29 09:34	0° \approx 46'20	
					6174 Oct 29 00:09	0° \approx	
superior conj	6173 Nov 23 19:19	3° \approx 57'44	1°06'05				
minimum elong	6173 Nov 23 23:05	4° \approx 14'48	1°05'37	superior conj	6174 Nov 06 18:13	17° \approx 09'59	1°27'04
max. Earth dist.	6173 Dec 01 09:51	17° \approx 21'13	1.41039 AU	minimum elong	6174 Nov 06 21:11	17° \approx 24'09	1°26'48
desc. node	6173 Dec 03 10:51	20° \approx 47'53		max. Earth dist.	6174 Nov 13 15:35	29° \approx 56'44	1.38918 AU
evening rise	6173 Dec 06 03:51	25° \approx 16'25			6174 Nov 13 16:19	0° \approx	
	6173 Dec 09 02:07	0° \approx		evening rise	6174 Nov 17 11:39	6° \approx 40'37	
	6173 Dec 29 12:01	0° \approx		desc. node	6174 Nov 20 07:53	11° \approx 29'37	
evening max el	6174 Jan 09 07:05	12° \approx 54'57	23°13'34		6174 Dec 02 02:13	0° \approx	
retrograde	6174 Jan 19 16:31	19° \approx 04'01		evening max el	6174 Dec 22 20:24	26° \approx 37'56	24°32'43
evening set	6174 Jan 24 14:59	17° \approx 01'42			6174 Dec 26 15:19	0° \approx	
asc. node	6174 Jan 24 15:22	17° \approx 00'53		retrograde	6175 Jan 03 07:36	3° \approx 20'01	
min. Earth dist.	6174 Jan 29 14:13	11° \approx 12'05	0.68181 AU	evening set	6175 Jan 08 19:03	1° \approx 03'02	
inferior conj	6174 Jan 30 00:33	10° \approx 36'35	1°43'01		6175 Jan 09 22:02	30° \approx	

asc. node	6175 Jan 11 12:25	28° ♁ 12'59		minimum elong	6175 Dec 29 11:07	8° ♁ 34'35	0°01'28
min. Earth dist.	6175 Jan 13 10:00	25° ♁ 47'25	0.67819 AU	transit middle	6175 Dec 29 11:07	8° ♁ 34'35	0°01'28
inferior conj	6175 Jan 14 07:26	24° ♁ 35'52	0°55'32	transit begin	6175 Dec 29 08:19	8° ♁ 43'31	
minimum elong	6175 Jan 14 06:09	24° ♁ 40'09	0°55'03	transit end	6175 Dec 29 13:56	8° ♁ 25'41	
morning rise	6175 Jan 19 17:25	18° ♁ 35'27		asc. node	6175 Dec 29 09:27	8° ♁ 39'54	
direct	6175 Jan 23 11:44	17° ♁ 14'21		morning rise	6176 Jan 04 03:56	2° ♁ 42'16	
morning max el	6175 Jan 31 01:39	21° ♁ 31'09	20°00'57	direct	6176 Jan 07 10:35	1° ♁ 40'37	
	6175 Feb 07 02:53	0° ♁		morning max el	6176 Jan 14 08:25	5° ♁ 29'27	19°02'59
desc. node	6175 Feb 16 07:10	13° ♁ 10'26			6176 Jan 31 22:16	0° ♁	
morning set	6175 Feb 27 00:03	29° ♁ 25'52		desc. node	6176 Feb 03 04:11	3° ♁ 28'47	
	6175 Feb 27 08:54	0° ♁		morning set	6176 Feb 06 04:05	8° ♁ 08'08	
max. Earth dist.	6175 Mar 09 18:43	16° ♁ 19'24	1.44049 AU		6176 Feb 20 04:05	0° ♁	
				max. Earth dist.	6176 Feb 20 10:11	0° ♁ 23'58	1.45081 AU
superior conj	6175 Mar 15 05:19	25° ♁ 06'20	-2°09'01	superior conj	6176 Feb 22 19:26	4° ♁ 09'28	-1°52'30
minimum elong	6175 Mar 15 03:08	24° ♁ 57'27	2°08'58	minimum elong	6176 Feb 22 11:08	3° ♁ 36'45	1°51'53
	6175 Mar 18 04:47	0° ♁		evening rise	6176 Mar 08 15:24	27° ♁ 59'56	
evening rise	6175 Mar 28 07:34	17° ♁ 06'01			6176 Mar 09 20:45	0° ♁	
	6175 Apr 04 21:00	0° ♁		asc. node	6176 Mar 26 08:42	25° ♁ 26'16	
asc. node	6175 Apr 09 11:40	7° ♁ 20'54		evening max el	6176 Mar 28 16:22	28° ♁ 02'50	18°30'56
evening max el	6175 Apr 15 04:04	14° ♁ 36'12	18°09'55		6176 Mar 30 22:15	0° ♁	
retrograde	6175 Apr 21 13:58	17° ♁ 58'41		retrograde	6176 Apr 04 04:41	1° ♁ 36'11	
evening set	6175 Apr 24 10:31	17° ♁ 16'42		evening set	6176 Apr 07 07:52	0° ♁ 41'17	
inferior conj	6175 Apr 30 14:08	12° ♁ 02'14	3°16'57		6176 Apr 08 08:43	30° ♁	
minimum elong	6175 Apr 30 15:57	11° ♁ 57'20	3°16'42	inferior conj	6176 Apr 13 02:12	25° ♁ 09'09	3°29'19
min. Earth dist.	6175 May 03 08:13	9° ♁ 05'23	0.62837 AU	minimum elong	6176 Apr 13 02:29	25° ♁ 08'17	3°29'16
morning rise	6175 May 06 19:58	5° ♁ 55'03		min. Earth dist.	6176 Apr 15 05:13	22° ♁ 37'46	0.64739 AU
direct	6175 May 13 15:40	3° ♁ 20'26		morning rise	6176 Apr 18 20:21	18° ♁ 55'29	
desc. node	6175 May 15 06:29	3° ♁ 28'26		direct	6176 Apr 25 13:20	16° ♁ 07'44	
morning max el	6175 May 27 16:12	11° ♁ 22'03	27°50'41	desc. node	6176 May 01 03:30	17° ♁ 43'58	
	6175 Jun 11 08:40	0° ♁		morning max el	6176 May 09 01:58	24° ♁ 03'31	27°18'10
	6175 Jun 28 18:14	0° ♁			6176 May 14 09:56	0° ♁	
morning set	6175 Jun 30 21:13	4° ♁ 13'21			6176 Jun 03 17:46	0° ♁	
max. Earth dist.	6175 Jul 06 05:43	15° ♁ 21'49	1.32494 AU	morning set	6176 Jun 13 11:40	17° ♁ 50'32	
asc. node	6175 Jul 06 10:54	15° ♁ 49'33		max. Earth dist.	6176 Jun 18 03:04	27° ♁ 08'17	1.33503 AU
					6176 Jun 19 12:16	0° ♁	
superior conj	6175 Jul 08 12:58	20° ♁ 19'27	0°21'27	superior conj	6176 Jun 21 16:55	4° ♁ 36'19	-0°06'28
minimum elong	6175 Jul 08 11:59	20° ♁ 14'02	0°21'12	minimum elong	6176 Jun 21 17:15	4° ♁ 38'06	0°06'25
	6175 Jul 12 23:36	0° ♁		behind sun begin	6176 Jun 21 12:09	4° ♁ 11'09	
evening rise	6175 Jul 15 11:12	5° ♁ 20'53		behind sun end	6176 Jun 21 22:20	5° ♁ 05'04	
	6175 Jul 28 12:32	0° ♁		asc. node	6176 Jun 22 07:56	5° ♁ 56'00	
evening max el	6175 Aug 08 07:58	13° ♁ 51'00	23°44'07	evening rise	6176 Jun 28 22:17	19° ♁ 59'59	
desc. node	6175 Aug 11 05:42	16° ♁ 23'39			6176 Jul 03 19:50	0° ♁	
retrograde	6175 Aug 21 23:41	20° ♁ 42'20		evening max el	6176 Jul 19 22:20	24° ♁ 10'40	22°06'38
evening set	6175 Aug 26 08:46	20° ♁ 00'11		desc. node	6176 Jul 28 02:44	29° ♁ 42'12	
min. Earth dist.	6175 Sep 01 18:03	16° ♁ 57'05	0.55953 AU		6176 Jul 29 00:35	0° ♁	
inferior conj	6175 Sep 03 22:16	15° ♁ 38'30	-5°18'14	retrograde	6176 Aug 01 17:41	0° ♁ 32'08	
minimum elong	6175 Sep 03 18:58	15° ♁ 43'30	5°18'00	evening set	6176 Aug 04 15:27	0° ♁ 13'21	
morning rise	6175 Sep 12 07:34	11° ♁ 43'26			6176 Aug 05 13:30	30° ♁	
direct	6175 Sep 15 03:08	11° ♁ 23'34		min. Earth dist.	6176 Aug 13 03:41	26° ♁ 33'09	0.54930 AU
morning max el	6175 Sep 25 09:39	16° ♁ 10'57	20°05'26	inferior conj	6176 Aug 13 20:26	26° ♁ 09'36	-4°27'36
asc. node	6175 Oct 02 10:11	24° ♁ 51'14		minimum elong	6176 Aug 13 11:46	26° ♁ 21'48	4°25'38
	6175 Oct 05 14:03	0° ♁		morning rise	6176 Aug 22 09:41	22° ♁ 20'02	
morning set	6175 Oct 13 14:28	15° ♁ 21'36		direct	6176 Aug 25 16:03	21° ♁ 56'17	
	6175 Oct 20 18:32	0° ♁		morning max el	6176 Sep 06 12:51	27° ♁ 29'49	21°32'06
superior conj	6175 Oct 21 07:03	1° ♁ 02'55	1°38'52		6176 Sep 08 23:45	0° ♁	
minimum elong	6175 Oct 21 08:36	1° ♁ 10'38	1°38'50	asc. node	6176 Sep 18 07:13	13° ♁ 19'24	
max. Earth dist.	6175 Oct 26 21:22	11° ♁ 59'03	1.36836 AU	morning set	6176 Sep 26 23:30	0° ♁ 07'38	
evening rise	6175 Oct 30 16:44	19° ♁ 02'47			6176 Sep 26 22:02	0° ♁	
	6175 Nov 05 23:22	0° ♁		superior conj	6176 Oct 04 05:40	15° ♁ 23'39	1°42'47
desc. node	6175 Nov 07 04:54	2° ♁ 03'04		minimum elong	6176 Oct 04 05:45	15° ♁ 24'06	1°42'49
	6175 Nov 26 05:54	0° ♁		max. Earth dist.	6176 Oct 08 08:45	23° ♁ 51'11	1.35014 AU
evening max el	6175 Dec 05 09:03	10° ♁ 22'59	25°44'55		6176 Oct 11 11:36	0° ♁	
retrograde	6175 Dec 17 18:10	17° ♁ 28'02		evening rise	6176 Oct 12 15:16	2° ♁ 12'42	
evening set	6175 Dec 23 18:47	14° ♁ 58'49		desc. node	6176 Oct 24 01:55	22° ♁ 22'45	
min. Earth dist.	6175 Dec 28 02:35	10° ♁ 17'44	0.67092 AU				
inferior conj	6175 Dec 29 11:10	8° ♁ 34'28	0°01'27				

	6176 Oct 28 22:30	0°♊		evening rise	6177 Sep 26 03:12	15°♊59'41	
evening max el	6176 Nov 16 21:59	24°♊04'24	26°42'49		6177 Oct 03 13:47	0°♊	
	6176 Nov 24 19:34	0°♊		desc. node	6177 Oct 10 22:58	12°♊22'18	
retrograde	6176 Nov 29 23:18	1°♊20'47			6177 Oct 23 12:44	0°♊	
	6176 Dec 04 16:35	30°♊♋		evening max el	6177 Oct 30 10:40	7°♊32'37	27°18'57
evening set	6176 Dec 06 12:15	28°♊43'48		retrograde	6177 Nov 12 22:19	14°♊50'51	
min. Earth dist.	6176 Dec 10 13:39	24°♊37'37	0.66013 AU	evening set	6177 Nov 19 21:07	12°♊12'47	
inferior conj	6176 Dec 12 09:41	22°♊27'40	-0°58'21	min. Earth dist.	6177 Nov 23 16:51	8°♊40'51	0.64592 AU
minimum elong	6176 Dec 12 11:20	22°♊22'48	0°57'37	inferior conj	6177 Nov 26 00:41	6°♊10'28	-2°02'19
asc. node	6176 Dec 15 06:29	19°♊16'08		minimum elong	6177 Nov 26 04:19	6°♊00'40	2°00'49
morning rise	6176 Dec 18 11:17	16°♊46'11		asc. node	6177 Dec 02 03:30	0°♊53'42	
direct	6176 Dec 21 08:14	16°♊00'18		morning rise	6177 Dec 02 12:50	0°♊42'48	
morning max el	6176 Dec 27 21:12	19°♊32'11	18°21'09	direct	6177 Dec 05 02:21	0°♊08'49	
	6177 Jan 04 22:04	0°♊		morning max el	6177 Dec 11 13:31	3°♊33'24	17°56'14
morning set	6177 Jan 16 10:04	18°♊11'03		morning set	6177 Dec 28 21:25	29°♊41'12	
desc. node	6177 Jan 20 01:10	23°♊59'58			6177 Dec 29 01:54	0°♊	
	6177 Jan 23 19:34	0°♊		desc. node	6178 Jan 06 22:10	14°♊40'03	
superior conj	6177 Jan 31 22:56	12°♊50'25	-1°17'16	superior conj	6178 Jan 11 11:55	22°♊03'56	-0°31'52
minimum elong	6177 Jan 31 14:06	12°♊15'42	1°16'14	minimum elong	6178 Jan 11 08:08	21°♊48'44	0°31'17
max. Earth dist.	6177 Feb 02 04:55	14°♊47'57	1.45396 AU	max. Earth dist.	6178 Jan 16 00:28	29°♊15'43	1.44968 AU
	6177 Feb 11 22:01	0°♊			6178 Jan 16 11:42	0°♊	
evening rise	6177 Feb 16 23:58	7°♊58'12		evening rise	6178 Jan 27 15:07	17°♊19'49	
greatest brilliancy	6177 Feb 27 15:01	24°♊35'34	-0.8m		6178 Feb 04 22:20	0°♊	
	6177 Mar 03 04:39	0°♊		greatest brilliancy	6178 Feb 11 06:23	9°♊27'38	-0.6m
evening max el	6177 Mar 12 01:38	11°♊35'28	19°09'32	evening max el	6178 Feb 23 06:11	25°♊10'21	20°03'53
asc. node	6177 Mar 13 05:44	12°♊42'45		asc. node	6178 Feb 28 02:46	28°♊56'35	
retrograde	6177 Mar 19 00:28	15°♊31'17		retrograde	6178 Mar 02 22:31	29°♊38'21	
evening set	6177 Mar 22 10:53	14°♊22'37		evening set	6178 Mar 06 17:15	28°♊15'09	
inferior conj	6177 Mar 27 23:13	8°♊34'21	3°25'34	inferior conj	6178 Mar 12 02:14	22°♊12'43	3°09'12
minimum elong	6177 Mar 27 22:12	8°♊37'34	3°25'28	minimum elong	6178 Mar 12 00:21	22°♊19'05	3°08'53
min. Earth dist.	6177 Mar 29 10:48	6°♊40'24	0.66250 AU	min. Earth dist.	6178 Mar 12 23:21	21°♊01'32	0.67328 AU
morning rise	6177 Apr 02 09:09	2°♊18'45		morning rise	6178 Mar 17 07:14	15°♊57'36	
	6177 Apr 06 01:02	30°♊♋		direct	6178 Mar 23 03:21	13°♊21'04	
direct	6177 Apr 08 17:36	29°♊31'06		morning max el	6178 Apr 03 20:54	20°♊22'06	24°57'29
	6177 Apr 11 13:59	0°♊		desc. node	6178 Apr 04 21:30	21°♊25'45	
desc. node	6177 Apr 18 00:30	3°♊53'23			6178 Apr 12 03:13	0°♊	
morning max el	6177 Apr 21 11:54	7°♊06'54	26°17'22		6178 May 02 09:55	0°♊	
	6177 May 09 05:40	0°♊		morning set	6178 May 09 22:54	12°♊55'08	
	6177 May 27 03:18	0°♊		max. Earth dist.	6178 May 13 13:54	19°♊29'37	1.36896 AU
morning set	6177 May 27 13:50	0°♊			6178 May 19 02:45	0°♊	
max. Earth dist.	6177 May 31 13:28	8°♊26'07	1.34988 AU	superior conj	6178 May 20 01:00	1°♊48'43	-1°06'50
superior conj	6177 Jun 05 13:56	18°♊29'04	-0°36'25	minimum elong	6178 May 20 04:50	2°♊07'32	1°06'13
minimum elong	6177 Jun 05 15:58	18°♊39'28	0°36'02	asc. node	6178 May 27 02:00	15°♊53'43	
asc. node	6177 Jun 09 04:58	25°♊58'58		evening rise	6178 May 28 10:17	18°♊36'10	
	6177 Jun 11 03:13	0°♊			6178 Jun 03 06:52	0°♊	
evening rise	6177 Jun 13 06:45	4°♊27'38		evening max el	6178 Jun 14 11:28	16°♊22'57	19°30'53
	6177 Jun 27 16:10	0°♊		retrograde	6178 Jun 24 01:14	21°♊04'44	
evening max el	6177 Jul 01 22:34	4°♊56'19	20°39'43	evening set	6178 Jun 25 22:58	20°♊54'23	
retrograde	6177 Jul 13 05:46	10°♊29'50		desc. node	6178 Jul 01 20:48	18°♊32'04	
desc. node	6177 Jul 14 23:46	10°♊22'21		inferior conj	6178 Jul 04 15:53	16°♊48'57	-0°50'33
evening set	6177 Jul 15 07:12	10°♊19'31		minimum elong	6178 Jul 04 13:37	16°♊52'35	0°49'43
inferior conj	6177 Jul 24 13:28	6°♊22'41	-2°48'58	min. Earth dist.	6178 Jul 07 03:13	15°♊14'31	0.55672 AU
minimum elong	6177 Jul 24 05:50	6°♊33'37	2°46'23	morning rise	6178 Jul 13 01:44	12°♊14'21	
min. Earth dist.	6177 Jul 25 14:19	5°♊47'06	0.54824 AU	direct	6178 Jul 17 18:41	11°♊24'42	
morning rise	6177 Aug 02 04:03	2°♊19'20		morning max el	6178 Jul 31 19:12	18°♊26'54	24°57'18
direct	6177 Aug 06 01:21	1°♊46'52			6178 Aug 10 10:04	0°♊	
morning max el	6177 Aug 19 06:00	8°♊08'11	23°13'28	asc. node	6178 Aug 23 01:16	21°♊49'09	
	6177 Sep 03 21:42	0°♊		morning set	6178 Aug 26 22:27	29°♊50'18	
asc. node	6177 Sep 05 04:15	2°♊21'52			6178 Aug 27 00:16	0°♊	
morning set	6177 Sep 11 10:44	14°♊59'08		superior conj	6178 Sep 02 20:19	14°♊52'22	1°31'13
superior conj	6177 Sep 18 10:56	0°♊	1°39'56	minimum elong	6178 Sep 02 18:24	14°♊41'55	1°31'00
minimum elong	6177 Sep 18 09:49	29°♊57'02	1°39'53	max. Earth dist.	6178 Sep 04 09:02	18°♊12'46	1.32563 AU
	6177 Sep 18 10:22	0°♊			6178 Sep 09 22:22	0°♊	
max. Earth dist.	6177 Sep 21 04:54	5°♊53'51	1.33576 AU	evening rise	6178 Sep 10 00:53	0°♊12'57	

	6178 Sep 26 14:24	0°♍			6179 Aug 18 10:24	0°♍	
desc. node	6178 Sep 27 20:01	1°♍52'32		max. Earth dist.	6179 Aug 18 18:18	0°♍43'43	1.31984 AU
evening max el	6178 Oct 12 21:01	20°♍33'44	27°26'53	evening rise	6179 Aug 25 05:24	14°♍44'23	
retrograde	6178 Oct 26 14:38	27°♍49'03			6179 Sep 01 22:23	0°♌	
evening set	6178 Nov 02 18:23	25°♍19'06		desc. node	6179 Sep 14 17:04	20°♌41'37	
min. Earth dist.	6178 Nov 06 10:12	22°♍17'38	0.62846 AU		6179 Sep 22 05:26	0°♍	
inferior conj	6178 Nov 09 05:23	19°♍35'40	-3°07'49	evening max el	6179 Sep 25 02:24	2°♍54'49	27°02'05
minimum elong	6178 Nov 09 10:56	19°♍22'14	3°05'51	retrograde	6179 Oct 08 23:35	10°♍06'00	
morning rise	6178 Nov 16 05:15	14°♍25'21		evening set	6179 Oct 16 00:06	7°♍55'50	
direct	6178 Nov 18 13:51	13°♍59'37		min. Earth dist.	6179 Oct 19 16:49	5°♍15'26	0.60855 AU
asc. node	6178 Nov 19 00:32	14°♍00'34		inferior conj	6179 Oct 22 20:28	2°♍34'47	-4°09'56
morning max el	6178 Nov 25 06:25	17°♍25'44	17°49'01	minimum elong	6179 Oct 23 03:06	2°♍20'40	4°08'08
	6178 Dec 04 06:12	0°♌			6179 Oct 26 01:45	30°♌♌	
morning set	6178 Dec 11 08:48	12°♌20'32		morning rise	6179 Oct 30 08:13	27°♌45'05	
	6178 Dec 21 13:20	0°♌		direct	6179 Nov 01 14:55	27°♌24'25	
				asc. node	6179 Nov 05 21:35	28°♌40'37	
superior conj	6178 Dec 23 00:33	2°♌27'59	0°12'42		6179 Nov 07 17:51	0°♍	
minimum elong	6178 Dec 23 01:49	2°♌33'15	0°12'32	morning max el	6179 Nov 08 20:36	1°♍00'43	18°00'23
behind sun begin	6178 Dec 22 20:02	2°♌09'02		morning set	6179 Nov 24 13:39	25°♍48'52	
behind sun end	6178 Dec 23 07:36	2°♌57'25			6179 Nov 26 19:59	0°♌	
desc. node	6178 Dec 24 19:13	5°♌25'29					
max. Earth dist.	6178 Dec 29 17:42	13°♌28'55	1.43843 AU	superior conj	6179 Dec 04 15:11	14°♌07'07	0°49'27
evening rise	6179 Jan 07 02:07	26°♌38'50		minimum elong	6179 Dec 04 18:45	14°♌22'46	0°48'59
	6179 Jan 09 06:24	0°♌		desc. node	6179 Dec 11 16:15	26°♌12'15	
	6179 Jan 29 21:24	0°♌		max. Earth dist.	6179 Dec 12 05:53	27°♌09'00	1.42163 AU
evening max el	6179 Feb 06 05:12	8°♌46'29	21°11'13		6179 Dec 13 23:20	0°♌	
retrograde	6179 Feb 14 20:43	13°♌53'28		evening rise	6179 Dec 18 00:09	6°♌31'10	
asc. node	6179 Feb 14 23:47	13°♌53'23			6180 Jan 02 12:13	0°♌	
evening set	6179 Feb 19 01:03	12°♌15'13		evening max el	6180 Jan 19 23:07	22°♌23'59	22°27'39
inferior conj	6179 Feb 24 08:53	6°♌01'08	2°42'32	retrograde	6180 Jan 29 17:14	28°♌11'52	
minimum elong	6179 Feb 24 06:34	6°♌09'09	2°41'59	asc. node	6180 Feb 01 20:50	27°♌20'24	
min. Earth dist.	6179 Feb 24 16:56	5°♌33'16	0.67975 AU	evening set	6180 Feb 03 08:36	26°♌18'22	
morning rise	6179 Mar 01 11:56	29°♌48'04		inferior conj	6180 Feb 08 17:05	19°♌55'59	2°07'04
	6179 Mar 01 06:41	30°♌		minimum elong	6180 Feb 08 14:48	20°♌03'55	2°06'22
direct	6179 Mar 06 17:56	27°♌29'51		min. Earth dist.	6180 Feb 08 13:15	20°♌09'18	0.68212 AU
	6179 Mar 12 23:44	0°♌		morning rise	6180 Feb 13 20:53	13°♌46'20	
morning max el	6179 Mar 17 06:01	3°♌44'48	23°28'46	direct	6180 Feb 18 12:25	11°♌50'06	
desc. node	6179 Mar 22 18:30	9°♌57'58		morning max el	6180 Feb 27 18:02	17°♌14'40	22°00'42
	6179 Apr 06 07:56	0°♌		desc. node	6180 Mar 08 15:32	29°♌12'51	
morning set	6179 Apr 21 09:13	23°♌54'06			6180 Mar 09 05:27	0°♌	
	6179 Apr 24 22:30	0°♌			6180 Mar 29 10:14	0°♌	
max. Earth dist.	6179 Apr 25 09:42	0°♌48'56	1.39068 AU	morning set	6180 Mar 31 15:44	3°♌33'46	
				max. Earth dist.	6180 Apr 06 07:40	12°♌51'14	1.41253 AU
superior conj	6179 May 02 22:21	14°♌26'02	-1°35'14				
minimum elong	6179 May 03 03:30	14°♌50'02	1°34'37	superior conj	6180 Apr 14 01:20	26°♌09'43	-1°57'52
	6179 May 11 01:33	0°♌		minimum elong	6180 Apr 14 06:08	26°♌30'59	1°57'33
evening rise	6179 May 12 06:04	2°♌18'14			6180 Apr 16 05:01	0°♌	
asc. node	6179 May 13 23:03	5°♌36'02		evening rise	6180 Apr 24 14:31	15°♌24'15	
evening max el	6179 May 28 11:35	28°♌31'06	18°42'34	asc. node	6180 Apr 29 20:05	25°♌00'15	
	6179 May 30 03:53	0°♌			6180 May 02 16:53	0°♌	
retrograde	6179 Jun 05 13:50	2°♌30'42		evening max el	6180 May 10 19:29	11°♌12'42	18°14'37
evening set	6179 Jun 07 16:28	2°♌15'23		retrograde	6180 May 17 21:06	14°♌45'23	
	6179 Jun 12 13:33	30°♌♌		evening set	6180 May 20 06:57	14°♌21'26	
inferior conj	6179 Jun 15 13:46	27°♌52'27	0°55'13	inferior conj	6180 May 27 09:13	9°♌38'20	2°12'34
minimum elong	6179 Jun 15 15:46	27°♌48'42	0°54'29	minimum elong	6180 May 27 12:34	9°♌31'02	2°11'37
desc. node	6179 Jun 18 17:48	25°♌31'32		min. Earth dist.	6180 May 30 19:00	6°♌41'33	0.59396 AU
min. Earth dist.	6179 Jun 18 20:11	25°♌27'17	0.57301 AU	morning rise	6180 Jun 03 15:13	3°♌57'09	
morning rise	6179 Jun 23 11:41	22°♌40'59		desc. node	6180 Jun 04 14:49	3°♌25'36	
direct	6179 Jun 29 02:09	21°♌23'32		direct	6180 Jun 09 23:30	2°♌05'58	
morning max el	6179 Jul 13 10:57	28°♌55'46	26°27'09	morning max el	6180 Jun 24 08:37	9°♌56'57	27°28'36
	6179 Jul 14 12:46	0°♌			6180 Jul 09 19:27	0°♌	
	6179 Aug 04 01:37	0°♌		morning set	6180 Jul 25 16:47	29°♌12'08	
asc. node	6179 Aug 09 22:19	11°♌34'30			6180 Jul 26 01:55	0°♌	
morning set	6179 Aug 11 09:01	14°♌36'23		asc. node	6180 Jul 26 19:23	1°♌32'09	
				max. Earth dist.	6180 Aug 01 05:13	13°♌17'43	1.31835 AU
superior conj	6179 Aug 18 07:48	29°♌45'38	1°17'19				
minimum elong	6179 Aug 18 05:31	29°♌33'05	1°16'58	superior conj	6180 Aug 01 19:33	14°♌36'51	0°58'48

minimum elong	6180 Aug 01 17:23	14°Ω24'56	0°58'23			6181 Jul 17 13:10	0°Ω
evening rise	6180 Aug 08 14:21	29°Ω26'52		evening rise		6181 Jul 24 01:37	14°Ω13'01
	6180 Aug 08 20:35	0°Π				6181 Jul 31 22:17	0°Π
	6180 Aug 25 06:58	0°Ω		desc. node		6181 Aug 18 11:07	25°Π03'30
desc. node	6180 Aug 31 14:05	8°Ω33'13		evening max el		6181 Aug 18 15:52	25°Π14'59 24°39'43
evening max el	6180 Sep 06 00:47	14°Ω28'18	26°04'18			6181 Aug 24 20:04	0°Ω
retrograde	6180 Sep 19 23:47	21°Ω34'51		retrograde		6181 Sep 01 12:34	2°Ω13'51
evening set	6180 Sep 26 09:28	19°Ω56'11		evening set		6181 Sep 06 18:19	1°Ω12'23
min. Earth dist.	6180 Sep 30 13:40	17°Ω21'12	0.58777 AU			6181 Sep 09 09:32	30°RΠ
inferior conj	6180 Oct 03 18:33	14°Ω59'05	-4°59'49	min. Earth dist.		6181 Sep 12 03:06	28°Π24'25 0.56864 AU
minimum elong	6180 Oct 03 23:59	14°Ω48'59	4°58'58	inferior conj		6181 Sep 14 20:44	26°Π38'50 -5°23'28
morning rise	6180 Oct 11 16:47	10°Ω31'57		minimum elong		6181 Sep 14 21:24	26°Π37'45 5°23'27
direct	6180 Oct 14 01:20	10°Ω13'27		morning rise		6181 Sep 23 02:45	22°Π33'27
morning max el	6180 Oct 22 04:39	14°Ω09'18	18°31'46	direct		6181 Sep 25 17:25	22°Π14'35
asc. node	6180 Oct 22 18:38	14°Ω44'01		morning max el		6181 Oct 05 02:58	26°Π40'06 19°24'48
	6180 Nov 02 01:28	0°Π				6181 Oct 08 04:19	0°Ω
morning set	6180 Nov 07 06:46	9°Π51'46		asc. node		6181 Oct 09 15:41	1°Ω54'42
				morning set		6181 Oct 22 08:13	24°Ω17'24
superior conj	6180 Nov 16 03:53	26°Π49'57	1°16'09			6181 Oct 25 04:26	0°Π
minimum elong	6180 Nov 16 07:26	27°Π06'28	1°15'47				
	6180 Nov 17 21:02	0°X		superior conj		6181 Oct 30 09:14	10°Π20'37 1°33'06
max. Earth dist.	6180 Nov 23 13:07	10°X07'24	1.40140 AU	minimum elong		6181 Oct 30 11:37	10°Π32'18 1°32'57
evening rise	6180 Nov 27 18:58	17°X20'49		max. Earth dist.		6181 Nov 05 18:16	22°Π26'35 1.38016 AU
desc. node	6180 Nov 27 13:18	16°X57'11		evening rise		6181 Nov 09 12:13	29°Π10'38
	6180 Dec 05 15:37	0°Z				6181 Nov 09 23:29	0°X
	6180 Dec 27 01:46	0°≈		desc. node		6181 Nov 14 10:20	7°X35'48
evening max el	6181 Jan 01 13:38	6°≈05'17	23°47'41			6181 Nov 29 00:15	0°Z
retrograde	6181 Jan 12 10:39	12°≈29'53		evening max el		6181 Dec 15 02:40	19°Z49'53 25°04'49
evening set	6181 Jan 17 14:23	10°≈21'22		retrograde		6181 Dec 26 23:45	26°Z42'34
asc. node	6181 Jan 18 17:52	9°≈16'59		evening set		6182 Jan 01 16:47	24°Z20'15
min. Earth dist.	6181 Jan 22 09:59	4°≈45'53	0.68068 AU	asc. node		6182 Jan 05 14:54	20°Z03'33
inferior conj	6181 Jan 23 00:59	3°≈54'43	1°23'47	min. Earth dist.		6182 Jan 06 04:42	19°Z19'07 0.67554 AU
minimum elong	6181 Jan 22 23:12	4°≈00'48	1°23'08	inferior conj		6182 Jan 07 06:46	17°Z53'51 0°33'24
	6181 Jan 26 02:10	30°RZ		minimum elong		6182 Jan 07 05:57	17°Z56'32 0°33'05
morning rise	6181 Jan 28 08:01	27°Z50'11		morning rise		6182 Jan 12 19:20	11°Z56'29
direct	6181 Feb 01 09:47	26°Z16'29		direct		6182 Jan 16 08:34	10°Z43'51
	6181 Feb 08 13:23	0°≈		morning max el		6182 Jan 23 14:34	14°Z47'06 19°34'22
morning max el	6181 Feb 09 12:19	0°≈55'10	20°40'58			6182 Feb 04 07:24	0°≈
desc. node	6181 Feb 23 12:34	18°≈58'46		greatest brilliancy		6182 Feb 05 13:24	1°≈50'36 -0.7m
	6181 Mar 02 23:25	0°X		desc. node		6182 Feb 10 09:35	9°≈06'59
morning set	6181 Mar 10 20:40	12°X04'31		morning set		6182 Feb 17 17:39	20°≈21'06
max. Earth dist.	6181 Mar 19 12:40	25°X48'57	1.43170 AU			6182 Feb 23 22:55	0°X
	6181 Mar 22 02:19	0°Y		max. Earth dist.		6182 Mar 02 01:20	9°X35'16 1.44573 AU
superior conj	6181 Mar 26 05:16	6°Y50'06	-2°09'34	superior conj		6182 Mar 06 07:56	16°X24'18 -2°04'31
minimum elong	6181 Mar 26 06:37	6°Y55'47	2°09'33	minimum elong		6182 Mar 06 02:52	16°X04'00 2°04'18
evening rise	6181 Apr 07 07:27	27°Y45'00				6182 Mar 14 16:05	0°Y
	6181 Apr 08 13:58	0°X		evening rise		6182 Mar 20 04:21	9°Y12'04
asc. node	6181 Apr 16 17:07	14°X00'17				6182 Apr 01 21:00	0°X
evening max el	6181 Apr 24 07:34	24°X18'25	18°06'12	asc. node		6182 Apr 03 14:08	2°X28'27
retrograde	6181 Apr 30 20:03	27°X40'03		evening max el		6182 Apr 07 20:37	7°X39'41 18°16'40
evening set	6181 May 03 12:55	27°X05'00		retrograde		6182 Apr 14 06:18	11°X04'55
inferior conj	6181 May 09 23:37	22°X01'43	3°00'38	evening set		6182 Apr 17 05:45	10°X17'23
minimum elong	6181 May 10 02:16	21°X55'06	3°00'07	inferior conj		6182 Apr 23 04:57	4°X55'08 3°24'25
min. Earth dist.	6181 May 13 01:20	18°X58'16	0.61622 AU	minimum elong		6182 Apr 23 06:07	4°X51'51 3°24'18
morning rise	6181 May 16 13:41	16°X01'38		min. Earth dist.		6182 Apr 25 16:46	2°X07'30 0.63691 AU
desc. node	6181 May 22 11:51	13°X42'06				6182 Apr 27 18:47	30°RY
direct	6181 May 23 07:53	13°X40'00		morning rise		6182 Apr 29 05:27	28°Y44'46
morning max el	6181 Jun 06 12:26	21°X39'47	27°53'28	direct		6182 May 06 00:55	26°Y03'08
	6181 Jun 13 18:57	0°Π		desc. node		6182 May 09 08:51	26°Y37'14
	6181 Jul 02 21:26	0°Ω				6182 May 15 08:10	0°X
morning set	6181 Jul 09 19:45	13°Ω30'48		morning max el		6182 May 19 20:47	4°X02'45 27°40'52
asc. node	6181 Jul 13 16:23	21°Ω36'29				6182 Jun 08 08:16	0°Π
max. Earth dist.	6181 Jul 15 13:58	25°Ω42'17	1.32127 AU	morning set		6182 Jun 23 15:37	27°Π25'46
						6182 Jun 24 22:23	0°Ω
superior conj	6181 Jul 17 05:45	29°Ω19'23	0°36'09	max. Earth dist.		6182 Jun 28 16:45	7°Ω46'36 1.32873 AU
minimum elong	6181 Jul 17 04:11	29°Ω10'50	0°35'48	asc. node		6182 Jun 30 13:25	11°Ω43'29

superior conj	6182 Jul 01 12:35	13°♄47'39	0°09'58	superior conj	6183 Jun 15 13:53	27°♂54'46	-0°18'58
minimum elong	6182 Jul 01 12:06	13°♄45'01	0°09'50	minimum elong	6183 Jun 15 14:54	28°♂00'06	0°18'47
behind sun begin	6182 Jul 01 07:51	13°♄22'15			6183 Jun 16 13:47	0°♄	
behind sun end	6182 Jul 01 16:20	14°♄07'49		asc. node	6183 Jun 17 10:25	1°♄48'39	
evening rise	6182 Jul 08 13:20	28°♄56'55		evening rise	6183 Jun 22 23:35	13°♄31'55	
	6182 Jul 09 01:15	0°♂			6183 Jul 01 09:26	0°♂	
	6182 Jul 26 05:32	0°♎		evening max el	6183 Jul 12 21:40	16°♂01'01	21°27'37
evening max el	6182 Jul 31 04:02	5°♎34'32	23°02'03	desc. node	6183 Jul 23 05:07	21°♂55'24	
desc. node	6182 Aug 05 08:06	9°♎42'02		retrograde	6183 Jul 25 03:08	22°♂04'12	
retrograde	6182 Aug 13 12:37	12°♎15'05		evening set	6183 Jul 27 14:02	21°♂50'24	
evening set	6182 Aug 17 06:07	11°♎44'42		inferior conj	6183 Aug 05 21:34	17°♂50'56	-3°50'23
min. Earth dist.	6182 Aug 24 12:43	8°♎27'40	0.55429 AU	minimum elong	6183 Aug 05 12:29	18°♂03'39	3°47'49
inferior conj	6182 Aug 26 03:23	7°♎31'45	-5°03'26	min. Earth dist.	6183 Aug 05 22:17	17°♂49'56	0.54770 AU
minimum elong	6182 Aug 25 21:16	7°♎40'38	5°02'33	morning rise	6183 Aug 14 11:56	13°♂58'23	
morning rise	6182 Sep 03 14:37	3°♎41'14		direct	6183 Aug 17 23:57	13°♂31'53	
direct	6182 Sep 06 14:43	3°♎19'56		morning max el	6183 Aug 30 11:38	19°♂25'32	22°14'04
morning max el	6182 Sep 17 13:10	8°♎25'32	20°39'55		6183 Sep 08 03:40	0°♎	
asc. node	6182 Sep 26 12:43	19°♎58'10		asc. node	6183 Sep 13 09:44	8°♎41'54	
	6182 Oct 02 03:40	0°♊		morning set	6183 Sep 21 01:21	23°♎47'01	
morning set	6182 Oct 06 15:08	8°♊57'55			6183 Sep 23 23:45	0°♊	
superior conj	6182 Oct 14 02:39	24°♊26'15	1°41'25	superior conj	6183 Sep 28 04:28	8°♊56'08	1°42'21
minimum elong	6182 Oct 14 03:33	24°♊30'52	1°41'25	minimum elong	6183 Sep 28 04:00	8°♊53'42	1°42'21
	6182 Oct 16 20:48	0°♌		max. Earth dist.	6183 Oct 01 17:12	16°♊17'42	1.34350 AU
max. Earth dist.	6182 Oct 19 02:12	4°♌22'45	1.36027 AU	evening rise	6183 Oct 06 05:56	25°♊20'37	
evening rise	6182 Oct 23 01:13	11°♌53'52			6183 Oct 08 16:29	0°♌	
desc. node	6182 Nov 01 07:20	28°♌03'46		desc. node	6183 Oct 19 04:21	18°♌15'42	
	6182 Nov 02 11:51	0°♍			6183 Oct 26 22:49	0°♍	
	6182 Nov 24 05:02	0°♎		evening max el	6183 Nov 10 04:16	17°♍10'34	27°01'11
evening max el	6182 Nov 27 15:28	3°♎34'00	26°11'45	retrograde	6183 Nov 23 10:31	24°♍29'02	
retrograde	6182 Dec 10 07:51	10°♎44'27		evening set	6183 Nov 30 04:13	21°♍50'14	
evening set	6182 Dec 16 14:03	8°♎11'12		min. Earth dist.	6183 Dec 04 02:58	17°♍59'10	0.65448 AU
min. Earth dist.	6182 Dec 20 19:04	3°♎45'09	0.66679 AU	inferior conj	6183 Dec 06 04:08	15°♍39'20	-1°25'07
inferior conj	6182 Dec 22 08:30	1°♎49'57	-0°23'18	minimum elong	6183 Dec 06 06:36	15°♍32'19	1°24'03
minimum elong	6182 Dec 22 09:07	1°♎48'01	0°23'00	asc. node	6183 Dec 10 08:59	11°♍23'33	
asc. node	6182 Dec 23 11:57	0°♎26'27		morning rise	6183 Dec 12 10:04	10°♍03'40	
	6182 Dec 23 20:55	30°♏♍		direct	6183 Dec 15 03:32	9°♍23'25	
morning rise	6182 Dec 28 04:47	26°♍02'08		morning max el	6183 Dec 21 14:55	12°♍51'00	18°08'31
direct	6182 Dec 31 07:09	25°♍07'33			6184 Jan 02 19:15	0°♎	
morning max el	6183 Jan 07 00:09	28°♍47'28	18°43'12	morning set	6184 Jan 09 02:07	10°♎15'09	
	6183 Jan 08 03:49	0°♎		desc. node	6184 Jan 15 03:36	20°♎06'34	
morning set	6183 Jan 28 07:17	29°♎33'49			6184 Jan 21 07:54	0°♏	
desc. node	6183 Jan 28 06:35	29°♎31'02		superior conj	6184 Jan 23 20:22	3°♏59'15	-0°58'35
	6183 Jan 28 13:57	0°♏		minimum elong	6184 Jan 23 13:19	3°♏31'24	0°57'38
max. Earth dist.	6183 Feb 12 19:04	23°♏51'47	1.45303 AU	max. Earth dist.	6184 Jan 26 14:28	8°♏19'20	1.45295 AU
superior conj	6183 Feb 13 15:10	25°♏10'38	-1°39'29	evening rise	6184 Feb 09 02:07	29°♏20'29	
minimum elong	6183 Feb 13 05:43	24°♏33'32	1°38'36		6184 Feb 09 12:18	0°♐	
	6183 Feb 16 16:49	0°♐		greatest brilliancy	6184 Feb 21 16:45	18°♐44'28	-0.7m
evening rise	6183 Mar 01 02:05	19°♐41'03			6184 Feb 29 14:47	0°♑	
	6183 Mar 07 12:16	0°♑		evening max el	6184 Mar 04 15:11	4°♑42'11	19°30'50
greatest brilliancy	6183 Mar 08 10:54	1°♑30'23	-0.9m	asc. node	6184 Mar 07 08:12	7°♑05'46	
asc. node	6183 Mar 21 11:10	20°♑14'17		retrograde	6184 Mar 11 20:51	8°♑51'08	
evening max el	6183 Mar 22 07:50	21°♑08'54	18°45'17	evening set	6184 Mar 15 10:34	7°♑36'27	
retrograde	6183 Mar 28 23:40	24°♑50'36		inferior conj	6184 Mar 20 21:09	1°♑41'43	3°20'01
evening set	6183 Apr 01 05:51	23°♑49'49		minimum elong	6184 Mar 20 19:43	1°♑46'26	3°19'50
inferior conj	6183 Apr 06 21:13	18°♑10'18	3°29'27	min. Earth dist.	6184 Mar 22 02:25	0°♑05'34	0.66755 AU
minimum elong	6183 Apr 06 20:55	18°♑11'15	3°29'26		6184 Mar 22 04:07	30°♒♐	
min. Earth dist.	6183 Apr 08 17:30	15°♑54'07	0.65427 AU	morning rise	6184 Mar 26 04:35	25°♒25'49	
morning rise	6183 Apr 12 11:28	11°♑55'24		direct	6184 Apr 01 07:59	22°♒41'47	
direct	6183 Apr 19 01:14	9°♑06'32		desc. node	6184 Apr 12 02:54	28°♒32'45	
desc. node	6183 Apr 26 05:52	11°♑44'59		morning max el	6184 Apr 13 16:52	0°♑05'22	25°45'10
morning max el	6183 May 02 07:03	16°♑55'22	26°55'25		6184 Apr 13 14:44	0°♑	
	6183 May 13 03:51	0°♒			6184 May 06 01:49	0°♒	
	6183 Jun 01 05:09	0°♂		morning set	6184 May 19 20:56	23°♒25'46	
morning set	6183 Jun 07 01:21	10°♂47'48			6184 May 23 09:23	0°♂	
max. Earth dist.	6183 Jun 11 09:58	19°♂21'51	1.34084 AU	max. Earth dist.	6184 May 23 15:43	0°♂30'09	1.35752 AU

superior conj	6184 May 29 07:04	11° Π 33'59	-0°49'22	morning set	6185 May 01 21:05	5° \mathcal{S} 05'09	
minimum elong	6184 May 29 09:52	11° Π 48'08	0°48'53	max. Earth dist.	6185 May 05 12:46	11° \mathcal{S} 33'40	1.37792 AU
asc. node	6184 Jun 03 07:27	21° Π 48'13					
evening rise	6184 Jun 06 06:15	27° Π 51'53		superior conj	6185 May 12 12:50	24° \mathcal{S} 36'53	-1°19'19
	6184 Jun 07 07:26	0° \mathcal{S}		minimum elong	6185 May 12 17:20	24° \mathcal{S} 58'31	1°18'40
evening max el	6184 Jun 24 03:13	27° \mathcal{S} 02'59	20°07'59		6185 May 15 07:24	0° Π	
	6184 Jun 27 17:54	0° \mathcal{Q}		evening rise	6185 May 21 06:52	11° Π 49'51	
retrograde	6184 Jul 04 17:06	2° \mathcal{Q} 14'20		asc. node	6185 May 21 04:30	11° Π 38'08	
evening set	6184 Jul 06 14:59	2° \mathcal{Q} 04'53			6185 May 31 03:29	0° \mathcal{S}	
desc. node	6184 Jul 09 02:09	1° \mathcal{Q} 26'52		evening max el	6185 Jun 06 21:25	8° \mathcal{S} 48'47	19°07'57
	6184 Jul 12 08:51	30° \mathcal{R} \mathcal{S}		retrograde	6185 Jun 15 18:49	13° \mathcal{S} 10'34	
inferior conj	6184 Jul 15 16:59	28° \mathcal{S} 06'02	-1°59'01	evening set	6185 Jun 17 18:07	12° \mathcal{S} 58'36	
minimum elong	6184 Jul 15 11:26	28° \mathcal{S} 14'17	1°57'01	desc. node	6185 Jun 25 23:11	8° \mathcal{S} 53'22	
min. Earth dist.	6184 Jul 17 10:04	27° \mathcal{S} 04'54	0.55071 AU	inferior conj	6185 Jun 26 03:01	8° \mathcal{S} 46'51	-0°02'52
morning rise	6184 Jul 24 06:23	23° \mathcal{S} 50'32		minimum elong	6185 Jun 26 02:53	8° \mathcal{S} 47'04	0°02'51
direct	6184 Jul 28 11:16	23° \mathcal{S} 12'04		transit middle	6185 Jun 26 02:53	8° \mathcal{S} 47'04	0°02'51
morning max el	6184 Aug 11 02:26	29° \mathcal{S} 52'46	23°58'16	transit begin	6185 Jun 25 23:09	8° \mathcal{S} 53'25	
	6184 Aug 11 05:30	0° \mathcal{Q}		transit end	6185 Jun 26 06:38	8° \mathcal{S} 40'41	
asc. node	6184 Aug 30 06:46	27° \mathcal{Q} 55'37		min. Earth dist.	6185 Jun 29 00:46	6° \mathcal{S} 48'58	0.56282 AU
	6184 Aug 31 08:07	0° \mathcal{R}		morning rise	6185 Jul 04 08:32	3° \mathcal{S} 56'23	
morning set	6184 Sep 04 12:59	8° \mathcal{R} 38'49		direct	6185 Jul 09 10:58	2° \mathcal{S} 55'46	
				morning max el	6185 Jul 23 15:59	10° \mathcal{S} 12'34	25°38'04
superior conj	6184 Sep 11 11:46	23° \mathcal{R} 40'46	1°36'55		6185 Aug 07 16:24	0° \mathcal{Q}	
minimum elong	6184 Sep 11 10:17	23° \mathcal{R} 32'39	1°36'48	asc. node	6185 Aug 17 03:47	17° \mathcal{Q} 31'35	
max. Earth dist.	6184 Sep 13 16:43	28° \mathcal{R} 25'52	1.33087 AU	morning set	6185 Aug 20 00:26	23° \mathcal{Q} 28'47	
	6184 Sep 14 10:23	0° \mathcal{A}			6185 Aug 23 00:59	0° \mathcal{R}	
evening rise	6184 Sep 18 22:24	9° \mathcal{A} 19'52					
	6184 Sep 30 01:53	0° \mathcal{M}		superior conj	6185 Aug 26 22:20	8° \mathcal{R} 33'11	1°25'56
desc. node	6184 Oct 05 01:23	8° \mathcal{M} 03'51		minimum elong	6185 Aug 26 20:13	8° \mathcal{R} 21'32	1°25'39
	6184 Oct 22 04:15	0° \mathcal{J}		max. Earth dist.	6185 Aug 27 23:27	10° \mathcal{R} 51'10	1.32266 AU
evening max el	6184 Oct 22 16:04	0° \mathcal{J} 28'22	27°26'06	evening rise	6185 Sep 02 23:24	23° \mathcal{R} 42'40	
retrograde	6184 Nov 05 07:04	7° \mathcal{J} 46'42			6185 Sep 06 01:45	0° \mathcal{A}	
evening set	6184 Nov 12 08:37	5° \mathcal{J} 10'41		desc. node	6185 Sep 21 22:26	27° \mathcal{A} 18'28	
min. Earth dist.	6184 Nov 16 02:15	1° \mathcal{J} 52'25	0.63880 AU		6185 Sep 23 19:45	0° \mathcal{M}	
	6184 Nov 17 22:00	30° \mathcal{R} \mathcal{M}		evening max el	6185 Oct 05 00:53	13° \mathcal{M} 15'01	27°20'31
inferior conj	6184 Nov 18 15:08	29° \mathcal{M} 15'31	-2°30'11	retrograde	6185 Oct 18 20:29	20° \mathcal{M} 28'23	
minimum elong	6184 Nov 18 19:37	29° \mathcal{M} 03'55	2°28'25	evening set	6185 Oct 25 23:51	18° \mathcal{M} 05'44	
morning rise	6184 Nov 25 08:12	23° \mathcal{M} 54'55		min. Earth dist.	6185 Oct 29 15:20	15° \mathcal{M} 14'20	0.62025 AU
asc. node	6184 Nov 26 06:02	23° \mathcal{M} 36'59		inferior conj	6185 Nov 01 14:31	12° \mathcal{M} 31'16	-3°34'59
direct	6184 Nov 27 19:09	23° \mathcal{M} 25'02		minimum elong	6185 Nov 01 20:42	12° \mathcal{M} 17'03	3°32'59
morning max el	6184 Dec 04 07:55	26° \mathcal{M} 49'33	17°50'57	morning rise	6185 Nov 08 19:29	7° \mathcal{M} 29'00	
	6184 Dec 07 02:28	0° \mathcal{J}		direct	6185 Nov 11 02:48	7° \mathcal{M} 05'49	
morning set	6184 Dec 21 00:30	22° \mathcal{J} 16'51		asc. node	6185 Nov 13 03:04	7° \mathcal{M} 24'03	
	6184 Dec 25 13:06	0° \mathcal{S}		morning max el	6185 Nov 18 00:02	10° \mathcal{M} 35'30	17°51'22
desc. node	6185 Jan 01 00:37	10° \mathcal{S} 49'03			6185 Nov 30 20:54	0° \mathcal{J}	
				morning set	6185 Dec 03 20:05	5° \mathcal{J} 19'22	
superior conj	6185 Jan 02 18:27	13° \mathcal{S} 40'13	-0°12'21				
minimum elong	6185 Jan 02 17:04	13° \mathcal{S} 34'35	0°12'06	superior conj	6185 Dec 14 18:21	24° \mathcal{J} 36'31	0°29'27
behind sun begin	6185 Jan 02 10:30	13° \mathcal{S} 07'46		minimum elong	6185 Dec 14 20:56	24° \mathcal{J} 47'33	0°29'06
behind sun end	6185 Jan 02 23:39	14° \mathcal{S} 01'22			6185 Dec 17 22:50	0° \mathcal{S}	
max. Earth dist.	6185 Jan 08 08:44	22° \mathcal{S} 40'23	1.44564 AU	desc. node	6185 Dec 18 21:40	1° \mathcal{S} 35'14	
	6185 Jan 13 00:21	0° \approx		max. Earth dist.	6185 Dec 21 23:58	6° \mathcal{S} 40'57	1.43195 AU
evening rise	6185 Jan 18 13:28	8° \approx 35'22		evening rise	6185 Dec 29 03:34	18° \mathcal{S} 04'48	
	6185 Feb 01 19:02	0° \mathcal{H}			6186 Jan 05 22:30	0° \approx	
evening max el	6185 Feb 15 17:23	18° \mathcal{H} 17'05	20°31'13		6186 Jan 27 19:31	0° \mathcal{H}	
asc. node	6185 Feb 22 05:16	22° \mathcal{H} 48'10		evening max el	6186 Jan 29 14:14	1° \mathcal{H} 53'50	21°42'59
retrograde	6185 Feb 23 19:11	23° \mathcal{H} 01'21		retrograde	6186 Feb 07 16:43	7° \mathcal{H} 17'47	
evening set	6185 Feb 27 17:44	21° \mathcal{H} 32'01		asc. node	6186 Feb 09 02:19	7° \mathcal{H} 07'28	
inferior conj	6185 Mar 05 02:00	15° \mathcal{H} 24'25	2°59'03	evening set	6186 Feb 12 01:36	5° \mathcal{H} 33'09	
minimum elong	6185 Mar 04 23:53	15° \mathcal{H} 31'40	2°58'38		6186 Feb 16 20:40	30° \mathcal{R} \approx	
min. Earth dist.	6185 Mar 05 17:30	14° \mathcal{H} 31'25	0.67652 AU	inferior conj	6186 Feb 17 09:32	29° \approx 15'22	2°28'30
morning rise	6185 Mar 10 05:48	9° \mathcal{H} 09'47		minimum elong	6186 Feb 17 07:11	29° \approx 23'34	2°27'51
direct	6185 Mar 15 20:05	6° \mathcal{H} 40'05		min. Earth dist.	6186 Feb 17 12:28	29° \approx 05'11	0.68130 AU
morning max el	6185 Mar 27 01:32	13° \mathcal{H} 23'07	24°20'11	morning rise	6186 Feb 22 12:35	23° \approx 03'39	
desc. node	6185 Mar 29 23:55	16° \mathcal{H} 32'28		direct	6186 Feb 27 12:32	20° \approx 54'19	
	6185 Apr 09 12:10	0° \mathcal{Y}		morning max el	6186 Mar 09 11:13	26° \approx 47'18	22°50'37
	6185 Apr 28 22:00	0° \mathcal{B}			6186 Mar 12 10:36	0° \mathcal{H}	

desc. node	6186 Mar 16 20:57	5° Υ 24'06			6187 Mar 07 08:24	0° Υ	
	6186 Apr 03 02:34	0° Υ		morning set	6187 Mar 23 14:28	24° Υ 36'52	
morning set	6186 Apr 12 19:52	15° Υ 30'05			6187 Mar 26 23:23	0° Υ	
max. Earth dist.	6186 Apr 17 08:38	23° Υ 08'00	1.40012 AU	max. Earth dist.	6187 Mar 30 09:57	5° Υ 36'24	1.42120 AU
	6186 Apr 21 07:12	0° Υ					
superior conj	6186 Apr 25 02:59	6° Υ 52'32	-1°45'50	superior conj	6187 Apr 06 20:40	18° Υ 10'15	-2°04'31
minimum elong	6186 Apr 25 08:16	7° Υ 16'40	1°45'18	minimum elong	6187 Apr 07 00:28	18° Υ 26'39	2°04'21
evening rise	6186 May 04 22:16	25° Υ 17'08		evening rise	6187 Apr 13 13:32	0° Υ	
	6186 May 07 09:58	0° Υ		asc. node	6187 Apr 18 00:42	8° Υ 05'15	
asc. node	6186 May 08 01:32	1° Υ 13'03			6187 Apr 24 22:35	20° Υ 27'45	
evening max el	6186 May 21 01:19	21° Υ 12'03	18°28'18	evening max el	6187 May 01 00:29	0° Υ	
retrograde	6186 May 28 15:24	24° Υ 57'58		retrograde	6187 May 04 11:20	4° Υ 04'20	18°08'37
evening set	6186 May 30 21:15	24° Υ 39'12		evening set	6187 May 11 06:03	7° Υ 30'43	
inferior conj	6186 Jun 07 10:05	20° Υ 07'40	1°31'47	inferior conj	6187 May 13 18:56	7° Υ 02'14	
minimum elong	6186 Jun 07 13:00	20° Υ 01'50	1°30'49	minimum elong	6187 May 20 14:02	2° Υ 10'04	2°36'19
min. Earth dist.	6186 Jun 10 19:38	17° Υ 26'29	0.58153 AU		6187 May 20 17:15	2° Υ 02'36	2°35'31
desc. node	6186 Jun 12 20:13	16° Υ 00'22		min. Earth dist.	6187 May 22 21:56	30° Υ	
morning rise	6186 Jun 15 01:31	14° Υ 42'45		morning rise	6187 May 23 21:15	29° Υ 07'38	0.60344 AU
direct	6186 Jun 21 00:31	13° Υ 11'15		desc. node	6187 May 27 13:04	26° Υ 19'29	
morning max el	6186 Jul 05 09:47	20° Υ 51'52	26°57'29	direct	6187 May 30 17:14	24° Υ 47'54	
	6186 Jul 13 07:32	0° Υ			6187 Jun 03 02:26	24° Υ 14'49	
	6186 Jul 31 10:09	0° Υ		morning max el	6187 Jun 15 02:26	0° Υ	
morning set	6186 Aug 04 10:01	8° Υ 10'51			6187 Jun 17 10:18	2° Υ 10'15	27°44'00
asc. node	6186 Aug 04 00:49	7° Υ 22'29		morning set	6187 Jul 07 16:43	0° Υ	
				asc. node	6187 Jul 19 15:59	22° Υ 39'38	
superior conj	6186 Aug 11 10:08	23° Υ 25'57	1°10'00		6187 Jul 21 21:52	27° Υ 23'04	
minimum elong	6186 Aug 11 07:51	23° Υ 13'20	1°09'37	max. Earth dist.	6187 Jul 23 03:07	0° Υ	
max. Earth dist.	6186 Aug 11 10:01	23° Υ 25'23	1.31873 AU		6187 Jul 25 20:37	5° Υ 56'57	1.31906 AU
	6186 Aug 14 09:31	0° Υ		superior conj	6187 Jul 26 21:24	8° Υ 13'22	0°49'40
evening rise	6186 Aug 18 06:04	8° Υ 19'38		minimum elong	6187 Jul 26 19:26	8° Υ 02'33	0°49'16
	6186 Aug 29 11:44	0° Υ		evening rise	6187 Aug 02 16:12	23° Υ 03'47	
desc. node	6186 Sep 08 19:27	15° Υ 45'15			6187 Aug 05 23:59	0° Υ	
evening max el	6186 Sep 17 03:42	25° Υ 16'58	26°41'20		6187 Aug 24 02:12	0° Υ	
	6186 Sep 23 05:35	0° Υ		desc. node	6187 Aug 26 16:28	3° Υ 05'07	
retrograde	6186 Oct 01 01:33	2° Υ 25'11		evening max el	6187 Aug 29 22:35	6° Υ 28'16	25°30'50
evening set	6186 Oct 07 21:28	0° Υ 27'21		retrograde	6187 Sep 12 20:58	13° Υ 32'20	
	6186 Oct 08 16:05	30° Υ		evening set	6187 Sep 18 20:39	12° Υ 09'01	
min. Earth dist.	6186 Oct 11 17:32	27° Υ 51'25	0.59980 AU	min. Earth dist.	6187 Sep 23 10:26	9° Υ 31'05	0.57929 AU
inferior conj	6186 Oct 14 22:48	25° Υ 16'45	-4°33'14	inferior conj	6187 Sep 26 12:33	7° Υ 22'17	-5°14'05
minimum elong	6186 Oct 15 05:17	25° Υ 03'41	4°31'46	minimum elong	6187 Sep 26 16:26	7° Υ 15'30	5°13'41
morning rise	6186 Oct 22 15:14	20° Υ 36'13		morning rise	6187 Oct 04 14:32	3° Υ 05'07	
direct	6186 Oct 24 22:23	20° Υ 16'39		direct	6187 Oct 07 01:19	2° Υ 46'41	
asc. node	6186 Oct 31 00:06	22° Υ 40'55		morning max el	6187 Oct 15 16:15	6° Υ 53'19	18°51'39
morning max el	6186 Nov 01 11:58	23° Υ 59'52	18°11'07	asc. node	6187 Oct 17 21:09	9° Υ 14'30	
	6186 Nov 06 08:54	0° Υ			6187 Oct 30 11:16	0° Υ	
morning set	6186 Nov 17 06:43	19° Υ 04'07		morning set	6187 Nov 01 03:45	3° Υ 17'36	
	6186 Nov 23 02:35	0° Υ					
superior conj	6186 Nov 26 18:59	6° Υ 44'25	1°02'01	superior conj	6187 Nov 09 15:24	19° Υ 49'29	1°24'28
minimum elong	6186 Nov 26 22:45	7° Υ 01'23	1°01'34	minimum elong	6187 Nov 09 18:32	20° Υ 04'24	1°24'12
max. Earth dist.	6186 Dec 04 10:28	20° Υ 06'02	1.41340 AU	max. Earth dist.	6187 Nov 15 03:06	0° Υ	
desc. node	6186 Dec 05 18:42	22° Υ 21'30		evening rise	6187 Nov 16 16:25	2° Υ 46'59	1.39233 AU
evening rise	6186 Dec 09 09:47	28° Υ 20'02		desc. node	6187 Nov 20 14:11	9° Υ 35'02	
	6186 Dec 10 10:32	0° Υ			6187 Nov 22 15:42	13° Υ 03'56	
	6186 Dec 30 13:29	0° Υ		evening max el	6187 Dec 03 08:03	0° Υ	
evening max el	6187 Jan 12 06:32	15° Υ 33'07	23°01'35		6187 Dec 25 20:00	29° Υ 15'13	24°21'12
retrograde	6187 Jan 22 11:57	21° Υ 36'51		retrograde	6187 Dec 26 14:25	0° Υ	
asc. node	6187 Jan 26 23:20	19° Υ 55'18		evening set	6188 Jan 06 03:42	5° Υ 53'21	
evening set	6187 Jan 27 08:35	19° Υ 36'41		asc. node	6188 Jan 11 13:07	3° Υ 38'27	
inferior conj	6187 Feb 01 17:49	13° Υ 12'07	1°49'37		6188 Jan 13 20:23	1° Υ 17'55	
minimum elong	6187 Feb 01 15:41	13° Υ 19'28	1°48'54	min. Earth dist.	6188 Jan 14 21:54	30° Υ	
min. Earth dist.	6187 Feb 01 09:08	13° Υ 42'06	0.68203 AU	inferior conj	6188 Jan 16 05:11	28° Υ 17'40	0.67894 AU
morning rise	6187 Feb 06 22:42	7° Υ 04'42		minimum elong	6188 Jan 17 01:00	27° Υ 11'10	1°03'13
direct	6187 Feb 11 08:19	5° Υ 18'10		morning rise	6188 Jan 16 23:34	27° Υ 15'58	1°02'40
morning max el	6187 Feb 20 01:36	10° Υ 21'39	21°25'27	direct	6188 Jan 22 10:08	21° Υ 09'37	
desc. node	6187 Mar 03 17:59	24° Υ 53'24		morning max el	6188 Jan 26 06:18	19° Υ 45'24	
					6188 Feb 02 23:21	24° Υ 07'39	20°10'52

	6188 Feb 08 01:27	0°♊		morning max el	6189 Jan 16 04:57	8°♊04'14	19°10'31
desc. node	6188 Feb 18 14:59	14°♊49'25		greatest brilliancy	6189 Jan 29 19:03	26°♊20'50	-0.7m
	6188 Feb 28 16:07	0°♋			6189 Feb 01 04:37	0°♋	
morning set	6188 Mar 01 12:59	2°♋52'45		desc. node	6189 Feb 04 11:59	5°♋05'06	
max. Earth dist.	6188 Mar 11 18:23	18°♋56'28	1.43840 AU	morning set	6189 Feb 08 14:20	11°♋25'35	
					6189 Feb 20 12:15	0°♌	
superior conj	6188 Mar 17 13:41	28°♌21'13	-2°09'46	max. Earth dist.	6189 Feb 22 08:54	2°♌55'28	1.44974 AU
minimum elong	6188 Mar 17 12:31	28°♌16'24	2°09'45				
	6188 Mar 18 13:41	0°♍		superior conj	6189 Feb 25 06:41	7°♌31'04	-1°56'18
evening rise	6188 Mar 30 09:37	20°♍04'00		minimum elong	6189 Feb 24 23:05	7°♌00'58	1°55'48
	6188 Apr 05 03:46	0°♎			6189 Mar 11 04:48	0°♍	
asc. node	6188 Apr 10 19:36	9°♎15'11		evening rise	6189 Mar 11 20:49	1°♍05'55	
evening max el	6188 Apr 17 00:07	17°♎16'55	18°08'20	asc. node	6189 Mar 28 16:38	27°♍26'45	
retrograde	6188 Apr 23 10:24	20°♎38'46			6189 Mar 30 20:28	0°♏	
evening set	6188 Apr 26 05:58	19°♎58'40		evening max el	6189 Mar 31 12:40	0°♏42'14	18°26'43
inferior conj	6188 May 02 11:18	14°♏47'09	3°13'19	retrograde	6189 Apr 07 00:03	4°♏13'01	
minimum elong	6188 May 02 13:21	14°♏41'44	3°13'01	evening set	6189 Apr 10 02:15	3°♏20'04	
min. Earth dist.	6188 May 05 07:33	11°♏47'46	0.62531 AU		6189 Apr 14 00:11	30°♐	
morning rise	6188 May 08 19:11	8°♏41'25		inferior conj	6189 Apr 15 21:44	27°♐50'31	3°28'30
direct	6188 May 15 14:45	6°♏09'43		minimum elong	6189 Apr 15 22:15	27°♐49'01	3°28'28
desc. node	6188 May 16 14:15	6°♏12'38		min. Earth dist.	6189 Apr 18 03:06	25°♐14'27	0.64480 AU
morning max el	6188 May 29 16:34	14°♏11'30	27°52'34	morning rise	6189 Apr 21 17:27	21°♐37'37	
	6188 Jun 11 10:38	0°♑		direct	6189 Apr 28 11:19	18°♐50'55	
	6188 Jun 29 05:33	0°♒		desc. node	6189 May 03 11:16	20°♐07'56	
morning set	6188 Jul 02 16:16	6°♒49'06		morning max el	6189 May 12 01:56	26°♐48'06	27°25'00
asc. node	6188 Jul 07 18:53	17°♒28'54			6189 May 15 01:38	0°♓	
max. Earth dist.	6188 Jul 08 03:14	18°♒13'40	1.32379 AU		6189 Jun 05 01:49	0°♑	
				morning set	6189 Jun 16 08:12	20°♑31'04	
superior conj	6188 Jul 10 06:23	22°♒50'15	0°25'26	max. Earth dist.	6189 Jun 21 02:00	0°♒04'28	1.33323 AU
minimum elong	6188 Jul 10 05:14	22°♒43'56	0°25'10		6189 Jun 21 01:08	0°♓	
	6188 Jul 13 13:07	0°♈					
evening rise	6188 Jul 17 03:52	7°♈49'13		superior conj	6189 Jun 24 11:09	7°♓10'16	-0°02'03
	6188 Jul 28 16:05	0°♉		minimum elong	6189 Jun 24 11:15	7°♓10'51	0°02'04
evening max el	6188 Aug 10 11:24	16°♉59'20	23°58'51	behind sun begin	6189 Jun 24 05:49	6°♓41'59	
desc. node	6188 Aug 12 13:28	18°♉52'05		behind sun end	6189 Jun 24 16:42	7°♓39'46	
retrograde	6188 Aug 24 04:58	23°♉53'21		asc. node	6189 Jun 24 15:55	7°♓35'37	
evening set	6188 Aug 28 19:30	23°♉06'33		evening rise	6189 Jul 01 15:11	22°♓29'44	
min. Earth dist.	6188 Sep 03 21:53	20°♉07'48	0.56164 AU		6189 Jul 05 06:21	0°♈	
inferior conj	6188 Sep 06 06:06	18°♉41'49	-5°21'19	evening max el	6189 Jul 23 00:57	27°♈17'53	22°20'48
minimum elong	6188 Sep 06 03:51	18°♉45'16	5°21'12		6189 Jul 26 03:49	0°♉	
morning rise	6188 Sep 14 14:37	14°♉44'23		desc. node	6189 Jul 30 10:30	2°♉32'41	
direct	6188 Sep 17 08:43	14°♉24'54		retrograde	6189 Aug 05 00:16	3°♉44'46	
morning max el	6188 Sep 27 09:45	19°♉06'27	19°54'12	evening set	6189 Aug 08 02:46	3°♉23'32	
asc. node	6188 Oct 03 18:11	26°♉49'38			6189 Aug 16 00:15	30°♊	
	6188 Oct 05 19:10	0°♊		min. Earth dist.	6189 Aug 16 07:30	29°♊49'50	0.55030 AU
morning set	6188 Oct 15 07:52	17°♊50'49		inferior conj	6189 Aug 17 06:09	29°♊17'51	-4°38'45
	6188 Oct 21 07:09	0°♋		minimum elong	6189 Aug 16 21:57	29°♊29'27	4°37'05
				morning rise	6189 Aug 25 18:54	25°♊28'34	
superior conj	6188 Oct 23 02:28	3°♋37'21	1°37'36	direct	6189 Aug 28 23:36	25°♊05'30	
minimum elong	6188 Oct 23 04:14	3°♋46'10	1°37'32		6189 Sep 09 00:40	0°♌	
max. Earth dist.	6188 Oct 28 21:46	14°♋52'51	1.37135 AU	morning max el	6189 Sep 09 14:41	0°♌31'47	21°18'02
evening rise	6188 Nov 01 16:23	21°♋49'34		asc. node	6189 Sep 20 15:13	15°♌11'28	
	6188 Nov 06 08:32	0°♍			6189 Sep 28 10:18	0°♎	
desc. node	6188 Nov 08 12:42	3°♍39'00		morning set	6189 Sep 29 16:27	2°♎35'29	
	6188 Nov 26 05:11	0°♏					
evening max el	6188 Dec 07 08:43	13°♏00'21	25°34'53	superior conj	6189 Oct 06 23:51	17°♎54'18	1°42'39
retrograde	6188 Dec 19 14:59	20°♏02'42		minimum elong	6189 Oct 07 00:08	17°♎55'50	1°42'40
evening set	6188 Dec 25 13:36	17°♏35'12		max. Earth dist.	6189 Oct 11 08:09	26°♎45'12	1.35266 AU
min. Earth dist.	6188 Dec 29 22:28	12°♏48'47	0.67226 AU		6189 Oct 12 23:40	0°♐	
asc. node	6188 Dec 30 17:25	11°♏48'17		evening rise	6189 Oct 15 12:37	4°♐52'56	
inferior conj	6188 Dec 31 05:20	11°♏10'03	0°10'04	desc. node	6189 Oct 26 09:44	24°♐00'58	
minimum elong	6188 Dec 31 05:04	11°♏10'53	0°09'59		6189 Oct 30 04:11	0°♑	
transit middle	6188 Dec 31 05:04	11°♏10'53	0°09'59	evening max el	6189 Nov 19 21:45	26°♑43'07	26°35'23
transit begin	6188 Dec 31 02:52	11°♏17'57			6189 Nov 23 15:58	0°♒	
transit end	6188 Dec 31 07:17	11°♏03'49		retrograde	6189 Dec 02 20:55	3°♒58'01	
morning rise	6189 Jan 05 20:56	5°♒16'19		evening set	6189 Dec 09 08:08	1°♒21'57	
direct	6189 Jan 09 05:13	4°♒11'56			6189 Dec 10 20:29	30°♓	

min. Earth dist.	6189 Dec 13 10:30	27° ♁ 10'33	0.66200 AU	inferior conj	6190 Nov 28 21:05	8° ♁ 48'50	-1°52'27
inferior conj	6189 Dec 15 04:47	25° ♁ 04'19	-0°48'57	minimum elong	6190 Nov 29 00:24	8° ♁ 39'44	1°51'04
minimum elong	6189 Dec 15 06:09	25° ♁ 00'15	0°48'20	asc. node	6190 Dec 04 11:30	3° ♁ 44'54	
asc. node	6189 Dec 17 14:27	22° ♁ 19'22		morning rise	6190 Dec 05 07:34	3° ♁ 19'00	
morning rise	6189 Dec 21 04:56	19° ♁ 21'01		direct	6190 Dec 07 22:04	2° ♁ 43'28	
direct	6189 Dec 24 03:15	18° ♁ 32'57		morning max el	6190 Dec 14 09:01	6° ♁ 08'26	17°58'55
morning max el	6189 Dec 30 16:59	22° ♁ 06'30	18°26'17		6190 Dec 30 10:24	0° ♁	
	6190 Jan 06 00:32	0° ♁		morning set	6190 Dec 31 23:16	2° ♁ 33'44	
morning set	6190 Jan 19 15:59	21° ♁ 15'32		desc. node	6191 Jan 09 06:02	16° ♁ 13'46	
desc. node	6190 Jan 22 09:01	25° ♁ 34'45					
	6190 Jan 25 03:48	0° ♁		superior conj	6191 Jan 14 21:03	25° ♁ 17'38	-0°38'55
				minimum elong	6191 Jan 14 16:22	24° ♁ 58'58	0°38'15
superior conj	6190 Feb 04 10:35	16° ♁ 11'57	-1°23'32		6191 Jan 17 20:09	0° ♁	
minimum elong	6190 Feb 04 01:21	15° ♁ 35'45	1°22'29	max. Earth dist.	6191 Jan 18 23:32	1° ♁ 48'05	1.45075 AU
max. Earth dist.	6190 Feb 05 03:37	17° ♁ 18'43	1.45399 AU	evening rise	6191 Jan 31 01:52	20° ♁ 37'32	
	6190 Feb 13 05:57	0° ♁			6191 Feb 06 04:34	0° ♁	
evening rise	6190 Feb 20 08:44	11° ♁ 11'59		greatest brilliancy	6191 Feb 14 07:20	12° ♁ 13'03	-0.6m
greatest brilliancy	6190 Mar 02 05:27	26° ♁ 43'31	-0.8m	evening max el	6191 Feb 26 03:53	27° ♁ 49'01	19°54'51
	6190 Mar 04 08:26	0° ♁			6191 Feb 28 13:24	0° ♁	
evening max el	6190 Mar 14 22:34	14° ♁ 14'27	19°02'45	asc. node	6191 Mar 02 10:43	1° ♁ 15'57	
asc. node	6190 Mar 15 13:40	14° ♁ 51'35		retrograde	6191 Mar 05 17:14	2° ♁ 11'50	
retrograde	6190 Mar 21 19:17	18° ♁ 06'08		evening set	6191 Mar 09 10:39	0° ♁ 50'47	
evening set	6190 Mar 25 04:38	16° ♁ 59'27			6191 Mar 10 11:24	30° ♁	
inferior conj	6190 Mar 30 17:39	11° ♁ 13'25	3°26'58	inferior conj	6191 Mar 14 19:58	24° ♁ 50'10	3°12'23
minimum elong	6190 Mar 30 16:49	11° ♁ 16'04	3°26'55	minimum elong	6191 Mar 14 18:11	24° ♁ 56'08	3°12'06
min. Earth dist.	6190 Apr 01 07:26	9° ♁ 13'34	0.66051 AU	min. Earth dist.	6191 Mar 15 19:07	23° ♁ 32'35	0.67194 AU
morning rise	6190 Apr 05 04:37	4° ♁ 58'00		morning rise	6191 Mar 20 01:30	18° ♁ 34'49	
direct	6190 Apr 11 14:35	2° ♁ 09'45		direct	6191 Mar 25 23:33	15° ♁ 56'12	
desc. node	6190 Apr 20 08:18	6° ♁ 02'25		morning max el	6191 Apr 06 21:17	23° ♁ 03'25	25°10'14
morning max el	6190 Apr 24 11:59	9° ♁ 49'05	26°27'55	desc. node	6191 Apr 07 05:21	23° ♁ 23'58	
	6190 May 10 09:39	0° ♁			6191 Apr 13 00:32	0° ♁	
	6190 May 28 14:00	0° ♁			6191 May 03 17:56	0° ♁	
morning set	6190 May 30 12:28	3° ♁ 36'07		morning set	6191 May 13 00:27	15° ♁ 50'48	
max. Earth dist.	6190 Jun 03 14:18	11° ♁ 27'05	1.34742 AU	max. Earth dist.	6191 May 16 16:06	22° ♁ 31'24	1.36592 AU
					6191 May 20 14:32	0° ♁	
superior conj	6190 Jun 08 09:24	21° ♁ 07'08	-0°31'46				
minimum elong	6190 Jun 08 11:09	21° ♁ 16'12	0°31'27	superior conj	6191 May 22 22:09	4° ♁ 31'58	-1°02'17
asc. node	6190 Jun 11 12:55	27° ♁ 39'13		minimum elong	6191 May 23 01:43	4° ♁ 49'38	1°01'42
	6190 Jun 12 15:50	0° ♁		asc. node	6191 May 29 09:57	17° ♁ 35'19	
evening rise	6190 Jun 16 00:13	6° ♁ 59'38		evening rise	6191 May 31 04:38	21° ♁ 11'21	
	6190 Jun 28 12:50	0° ♁			6191 Jun 04 15:43	0° ♁	
evening max el	6190 Jul 04 23:21	7° ♁ 57'46	20°51'32	evening max el	6191 Jun 17 10:20	19° ♁ 17'37	19°39'49
retrograde	6190 Jul 16 12:28	13° ♁ 39'06		retrograde	6191 Jun 27 06:16	24° ♁ 07'01	
desc. node	6190 Jul 17 07:31	13° ♁ 37'35		evening set	6191 Jun 29 03:40	23° ♁ 57'04	
evening set	6190 Jul 18 15:51	13° ♁ 28'10		desc. node	6191 Jul 04 04:34	22° ♁ 06'56	
inferior conj	6190 Jul 27 22:58	9° ♁ 31'06	-3°06'01	inferior conj	6191 Jul 07 23:12	19° ♁ 53'34	-1°08'21
minimum elong	6190 Jul 27 14:46	9° ♁ 42'44	3°03'20	minimum elong	6191 Jul 07 20:05	19° ♁ 58'28	1°07'11
min. Earth dist.	6190 Jul 28 17:40	9° ♁ 04'35	0.54783 AU	min. Earth dist.	6191 Jul 10 06:12	18° ♁ 27'39	0.55490 AU
morning rise	6190 Aug 05 13:40	5° ♁ 31'18		morning rise	6191 Jul 16 10:12	15° ♁ 24'11	
direct	6190 Aug 09 08:29	5° ♁ 00'35		direct	6191 Jul 20 23:51	14° ♁ 37'51	
morning max el	6190 Aug 22 08:59	11° ♁ 14'38	22°57'54	morning max el	6191 Aug 03 22:27	21° ♁ 34'46	24°42'23
	6190 Sep 05 05:13	0° ♁			6191 Aug 11 06:52	0° ♁	
asc. node	6190 Sep 07 12:15	4° ♁ 09'04		asc. node	6191 Aug 25 09:17	23° ♁ 33'05	
morning set	6190 Sep 14 03:28	17° ♁ 26'12			6191 Aug 28 13:05	0° ♁	
	6190 Sep 20 00:08	0° ♁		morning set	6191 Aug 29 15:14	2° ♁ 17'50	
superior conj	6190 Sep 21 04:17	2° ♁ 30'58	1°40'46	superior conj	6191 Sep 05 13:13	17° ♁ 19'26	1°32'53
minimum elong	6190 Sep 21 03:21	2° ♁ 25'54	1°40'43	minimum elong	6191 Sep 05 11:24	17° ♁ 09'32	1°32'43
max. Earth dist.	6190 Sep 24 03:03	8° ♁ 45'29	1.33764 AU	max. Earth dist.	6191 Sep 07 06:05	21° ♁ 01'45	1.32682 AU
evening rise	6190 Sep 28 22:47	18° ♁ 34'28			6191 Sep 11 11:19	0° ♁	
	6190 Oct 04 23:42	0° ♁		evening rise	6191 Sep 12 19:12	2° ♁ 44'22	
desc. node	6190 Oct 13 06:46	14° ♁ 03'40			6191 Sep 27 19:16	0° ♁	
	6190 Oct 24 09:03	0° ♁		desc. node	6191 Sep 30 03:48	3° ♁ 39'02	
evening max el	6190 Nov 02 10:32	10° ♁ 13'42	27°15'12	evening max el	6191 Oct 15 21:17	23° ♁ 19'28	27°27'44
retrograde	6190 Nov 15 20:48	17° ♁ 31'56			6191 Oct 25 23:07	0° ♁	
evening set	6190 Nov 22 18:28	14° ♁ 53'24		retrograde	6191 Oct 29 14:17	0° ♁ 35'52	
min. Earth dist.	6190 Nov 26 14:58	11° ♁ 16'40	0.64824 AU		6191 Nov 02 01:58	30° ♁	

evening set	6191 Nov 05 17:45	28°♄03'52		evening max el	6192 Sep 27 03:35	5°♄47'28	27°08'01
min. Earth dist.	6191 Nov 09 09:52	24°♄58'24	0.63120 AU	retrograde	6192 Oct 11 00:35	12°♄59'32	
inferior conj	6191 Nov 12 03:31	22°♄17'17	-2°57'58	evening set	6192 Oct 18 02:06	10°♄45'42	
minimum elong	6191 Nov 12 08:50	22°♄04'14	2°56'03	min. Earth dist.	6192 Oct 21 18:10	8°♄02'54	0.61159 AU
morning rise	6191 Nov 19 01:38	17°♄04'20		inferior conj	6192 Oct 24 20:52	5°♄21'01	-4°01'04
direct	6191 Nov 21 10:44	16°♄37'40		minimum elong	6192 Oct 25 03:27	5°♄06'43	3°59'12
asc. node	6191 Nov 21 08:34	16°♄37'42		morning rise	6192 Nov 01 06:54	0°♄28'00	
morning max el	6191 Nov 28 02:05	20°♄03'02	17°48'59	direct	6192 Nov 03 13:34	0°♄06'51	
	6191 Dec 05 11:48	0°♄		asc. node	6192 Nov 07 05:37	1°♄04'06	
morning set	6191 Dec 14 07:30	15°♄04'08		morning max el	6192 Nov 10 16:54	3°♄41'18	17°57'25
	6191 Dec 22 22:57	0°♄		morning set	6192 Nov 26 10:05	28°♄26'09	
					6192 Nov 27 06:31	0°♄	
superior conj	6191 Dec 26 05:49	5°♄30'39	0°06'20	superior conj	6192 Dec 06 16:42	16°♄58'54	0°44'28
minimum elong	6191 Dec 26 06:28	5°♄33'21	0°06'16	minimum elong	6192 Dec 06 20:05	17°♄13'40	0°44'03
behind sun begin	6191 Dec 25 21:48	4°♄57'17		desc. node	6192 Dec 13 00:04	27°♄45'17	
behind sun end	6191 Dec 26 15:09	6°♄09'20		max. Earth dist.	6192 Dec 14 05:52	29°♄48'56	1.42443 AU
desc. node	6191 Dec 27 03:04	6°♄58'38			6192 Dec 14 08:33	0°♄	
max. Earth dist.	6192 Jan 01 17:05	16°♄03'56	1.44047 AU	evening rise	6192 Dec 20 08:03	9°♄39'56	
evening rise	6192 Jan 10 12:30	29°♄54'31			6193 Jan 02 17:08	0°♄	
	6192 Jan 10 13:55	0°♄		evening max el	6193 Jan 21 22:20	25°♄02'09	22°15'53
	6192 Jan 30 21:47	0°♄			6193 Jan 28 09:43	0°♄	
evening max el	6192 Feb 09 03:43	11°♄24'52	21°00'27	retrograde	6193 Jan 31 12:26	0°♄44'00	
asc. node	6192 Feb 17 07:46	16°♄25'27		asc. node	6193 Feb 03 04:49	0°♄06'27	
retrograde	6192 Feb 17 15:35	16°♄26'01			6193 Feb 03 10:01	30°♄	
evening set	6192 Feb 21 18:21	14°♄50'07		evening set	6193 Feb 05 02:02	28°♄52'53	
inferior conj	6192 Feb 27 02:14	8°♄37'31	2°47'13	inferior conj	6193 Feb 10 10:19	22°♄31'35	2°13'01
minimum elong	6192 Feb 26 23:58	8°♄45'23	2°46'40	minimum elong	6193 Feb 10 08:00	22°♄39'38	2°12'18
min. Earth dist.	6192 Feb 27 12:10	8°♄03'11	0.67906 AU	min. Earth dist.	6193 Feb 10 08:15	22°♄38'48	0.68204 AU
morning rise	6192 Mar 03 05:23	2°♄23'53		morning rise	6193 Feb 15 13:49	16°♄21'15	
direct	6192 Mar 08 13:31	0°♄02'36		direct	6193 Feb 20 07:32	14°♄21'28	
morning max el	6192 Mar 19 06:15	6°♄25'12	23°42'05	morning max el	6193 Mar 01 17:30	19°♄53'29	22°13'23
desc. node	6192 Mar 24 02:23	11°♄48'26			6193 Mar 10 05:58	0°♄	
	6192 Apr 06 13:04	0°♄		desc. node	6193 Mar 10 23:23	0°♄57'44	
morning set	6192 Apr 23 14:32	27°♄00'41			6193 Mar 30 18:02	0°♄	
	6192 Apr 25 08:19	0°♄		morning set	6193 Apr 04 01:21	6°♄52'35	
max. Earth dist.	6192 Apr 27 11:52	3°♄45'02	1.38737 AU	max. Earth dist.	6193 Apr 09 08:58	15°♄39'21	1.40937 AU
superior conj	6192 May 04 21:47	17°♄15'58	-1°31'13	superior conj	6193 Apr 17 03:52	29°♄08'51	-1°55'02
minimum elong	6192 May 05 02:48	17°♄39'34	1°30'35	minimum elong	6193 Apr 17 08:53	29°♄31'16	1°54'38
	6192 May 11 12:46	0°♄			6193 Apr 17 15:19	0°♄	
evening rise	6192 May 14 01:46	4°♄57'36		evening rise	6193 Apr 27 12:11	18°♄09'50	
asc. node	6192 May 15 06:59	7°♄19'36		asc. node	6193 May 02 04:01	26°♄47'11	
	6192 May 29 02:29	0°♄			6193 May 03 23:10	0°♄	
evening max el	6192 May 30 08:58	1°♄19'57	18°48'29	evening max el	6193 May 13 16:00	13°♄57'46	18°17'32
retrograde	6192 Jun 07 15:56	5°♄24'53		retrograde	6193 May 20 20:26	17°♄33'14	
evening set	6192 Jun 09 17:32	5°♄10'36		evening set	6193 May 23 05:16	17°♄10'42	
inferior conj	6192 Jun 17 17:52	0°♄50'46	0°40'51	inferior conj	6193 May 30 10:11	12°♄30'43	2°02'49
minimum elong	6192 Jun 17 19:25	0°♄47'57	0°40'15	minimum elong	6193 May 30 13:29	12°♄23'40	2°01'48
	6192 Jun 18 21:36	30°♄		min. Earth dist.	6193 Jun 02 20:22	9°♄37'09	0.59068 AU
desc. node	6192 Jun 20 01:37	29°♄09'09		morning rise	6193 Jun 06 18:40	6°♄53'28	
min. Earth dist.	6192 Jun 20 22:37	28°♄32'01	0.57017 AU	desc. node	6193 Jun 06 22:38	6°♄48'00	
morning rise	6192 Jun 25 17:53	25°♄44'28		direct	6193 Jun 13 00:51	5°♄07'15	
direct	6192 Jul 01 05:17	24°♄31'35		morning max el	6193 Jun 27 10:05	12°♄55'54	27°21'40
	6192 Jul 13 08:21	0°♄			6193 Jul 10 22:12	0°♄	
morning max el	6192 Jul 15 13:30	2°♄00'31	26°15'18		6193 Jul 27 14:36	0°♄	
	6192 Aug 04 10:32	0°♄		morning set	6193 Jul 28 10:19	1°♄42'49	
asc. node	6192 Aug 11 06:18	13°♄16'04		asc. node	6193 Jul 29 03:18	3°♄12'13	
morning set	6192 Aug 13 02:03	17°♄05'01		max. Earth dist.	6193 Aug 04 01:36	16°♄05'43	1.31831 AU
	6192 Aug 19 00:28	0°♄					
superior conj	6192 Aug 20 00:29	2°♄12'43	1°19'44	superior conj	6193 Aug 04 12:18	17°♄04'51	1°01'53
minimum elong	6192 Aug 19 22:15	2°♄00'20	1°19'25	minimum elong	6193 Aug 04 10:06	16°♄52'40	1°01'29
max. Earth dist.	6192 Aug 20 14:42	3°♄31'12	1.32038 AU		6193 Aug 10 09:40	0°♄	
evening rise	6192 Aug 26 22:50	17°♄13'43		evening rise	6193 Aug 11 07:15	1°♄55'20	
	6192 Sep 02 08:22	0°♄			6193 Aug 26 09:10	0°♄	
desc. node	6192 Sep 16 00:49	22°♄35'24		desc. node	6193 Sep 02 21:50	10°♄37'05	
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

































































































































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evening set	6193 Sep 29 14:44	22°♄51'43			6194 Aug 23 14:49	0°♄	
min. Earth dist.	6193 Oct 03 16:24	20°♄16'58	0.59088 AU	retrograde	6194 Sep 04 16:24	5°♄21'27	
inferior conj	6193 Oct 06 21:39	17°♄51'06	-4°53'37	evening set	6194 Sep 10 03:15	4°♄14'26	
minimum elong	6193 Oct 07 03:29	17°♄40'03	4°52'35	min. Earth dist.	6194 Sep 15 06:31	1°♄29'39	0.57130 AU
morning rise	6193 Oct 14 18:28	13°♄20'21			6194 Sep 17 13:19	30°♄	
direct	6193 Oct 17 02:30	13°♄01'40		inferior conj	6194 Sep 18 02:50	29°♄37'40	-5°22'21
morning max el	6193 Oct 25 01:59	16°♄54'01	18°25'41	minimum elong	6194 Sep 18 04:27	29°♄35'00	5°22'16
asc. node	6193 Oct 25 02:38	16°♄55'34		morning rise	6194 Sep 26 07:54	25°♄29'21	
	6193 Nov 03 09:22	0°♄		direct	6194 Sep 28 21:32	25°♄10'36	
morning set	6193 Nov 10 01:37	12°♄24'29		morning max el	6194 Oct 08 01:54	29°♄30'48	19°15'30
					6194 Oct 08 13:55	0°♄	
superior conj	6193 Nov 19 02:22	29°♄32'42	1°12'44	asc. node	6194 Oct 11 23:38	3°♄56'53	
minimum elong	6193 Nov 19 06:01	29°♄49'32	1°12'21	morning set	6194 Oct 25 02:01	26°♄47'27	
	6193 Nov 19 08:17	0°♄			6194 Oct 26 16:36	0°♄	
max. Earth dist.	6193 Nov 26 13:47	12°♄53'50	1.40460 AU	superior conj	6194 Nov 02 05:33	12°♄57'17	1°31'07
desc. node	6193 Nov 29 21:04	18°♄30'24		minimum elong	6194 Nov 02 08:09	13°♄09'55	1°30'56
evening rise	6193 Nov 30 23:27	20°♄20'08		max. Earth dist.	6194 Nov 08 19:10	25°♄19'01	1.38330 AU
	6193 Dec 06 23:17	0°♄			6194 Nov 11 09:50	0°♄	
	6193 Dec 27 22:40	0°♄		evening rise	6194 Nov 12 13:26	2°♄01'13	
evening max el	6194 Jan 04 13:15	8°♄42'48	23°35'49	desc. node	6194 Nov 16 18:05	9°♄10'17	
retrograde	6194 Jan 15 06:16	15°♄02'04			6194 Nov 30 04:12	0°♄	
evening set	6194 Jan 20 08:08	12°♄55'45		evening max el	6194 Dec 18 02:22	22°♄27'09	24°53'48
asc. node	6194 Jan 21 01:52	12°♄15'38		retrograde	6194 Dec 29 20:02	29°♄16'12	
min. Earth dist.	6194 Jan 25 04:59	7°♄15'17	0.68116 AU	evening set	6195 Jan 04 11:08	26°♄55'41	
inferior conj	6194 Jan 25 18:21	6°♄29'35	1°30'49	asc. node	6195 Jan 07 22:54	23°♄10'32	
minimum elong	6194 Jan 25 16:27	6°♄36'04	1°30'09	min. Earth dist.	6195 Jan 09 00:05	21°♄49'33	0.67654 AU
morning rise	6194 Jan 31 00:44	0°♄24'15		inferior conj	6195 Jan 10 00:32	20°♄29'00	0°41'27
	6194 Jan 31 13:58	30°♄		minimum elong	6195 Jan 09 23:33	20°♄32'16	0°41'05
direct	6194 Feb 04 04:32	28°♄47'11		morning rise	6195 Jan 15 12:09	14°♄30'35	
	6194 Feb 08 02:11	0°♄		direct	6195 Jan 19 03:10	13°♄15'01	
morning max el	6194 Feb 12 10:37	3°♄31'52	20°52'06	morning max el	6195 Jan 26 11:44	17°♄22'38	19°43'22
desc. node	6194 Feb 25 20:23	20°♄39'26			6195 Feb 05 10:48	0°♄	
	6194 Mar 04 05:28	0°♄		greatest brilliancy	6195 Feb 08 09:56	4°♄18'36	-0.7m
morning set	6194 Mar 14 09:21	15°♄31'08		desc. node	6195 Feb 12 17:23	10°♄44'45	
max. Earth dist.	6194 Mar 22 13:01	28°♄29'50	1.42912 AU	morning set	6195 Feb 21 05:54	23°♄45'21	
	6194 Mar 23 11:09	0°♄			6195 Feb 25 06:42	0°♄	
superior conj	6194 Mar 29 11:28	9°♄59'18	-2°08'44	max. Earth dist.	6195 Mar 05 00:53	12°♄10'56	1.44403 AU
minimum elong	6194 Mar 29 13:35	10°♄08'14	2°08'43	superior conj	6195 Mar 09 17:45	19°♄42'41	-2°06'33
	6194 Apr 09 23:09	0°♄		minimum elong	6195 Mar 09 13:42	19°♄26'21	2°06'25
evening rise	6194 Apr 10 07:41	0°♄38'02			6195 Mar 16 00:48	0°♄	
asc. node	6194 Apr 19 01:03	15°♄51'28		evening rise	6195 Mar 23 07:50	12°♄13'44	
evening max el	6194 Apr 27 03:41	27°♄00'32	18°06'13		6195 Apr 02 23:44	0°♄	
	6194 May 01 13:14	0°♄		asc. node	6195 Apr 05 22:06	4°♄25'15	
retrograde	6194 May 03 17:22	0°♄22'49		evening max el	6195 Apr 10 16:45	10°♄19'51	18°13'54
	6194 May 05 22:03	30°♄		retrograde	6195 Apr 17 02:17	13°♄43'52	
evening set	6194 May 06 09:15	29°♄49'28		evening set	6195 Apr 20 00:44	12°♄58'16	
inferior conj	6194 May 12 22:00	24°♄48'59	2°55'01	inferior conj	6195 Apr 26 01:24	7°♄38'37	3°22'04
minimum elong	6194 May 13 00:49	24°♄42'02	2°54'25	minimum elong	6195 Apr 26 02:48	7°♄34'44	3°21'55
min. Earth dist.	6194 May 16 01:20	21°♄45'08	0.61295 AU	min. Earth dist.	6195 Apr 28 15:25	4°♄47'29	0.63399 AU
morning rise	6194 May 19 14:20	18°♄51'10		morning rise	6195 May 02 03:43	1°♄29'13	
desc. node	6194 May 24 19:40	16°♄40'23			6195 May 04 10:16	30°♄	
direct	6194 May 26 07:36	16°♄33'43		direct	6195 May 08 23:21	28°♄49'53	
morning max el	6194 Jun 09 13:01	24°♄32'17	27°52'14	desc. node	6195 May 11 16:41	29°♄12'38	
	6194 Jun 14 12:01	0°♄			6195 May 13 20:21	0°♄	
	6194 Jul 04 06:52	0°♄		morning max el	6195 May 22 20:59	6°♄50'17	27°45'00
morning set	6194 Jul 12 14:07	16°♄04'19			6195 Jun 09 13:26	0°♄	
asc. node	6194 Jul 16 00:18	23°♄15'42		morning set	6195 Jun 26 11:14	0°♄03'18	
max. Earth dist.	6194 Jul 18 10:58	28°♄32'42	1.32058 AU		6195 Jun 26 10:34	0°♄	
	6194 Jul 19 02:57	0°♄		max. Earth dist.	6195 Jul 01 14:58	10°♄40'57	1.32733 AU
superior conj	6194 Jul 19 22:50	1°♄48'54	0°39'51	asc. node	6195 Jul 02 21:20	13°♄22'29	
minimum elong	6194 Jul 19 21:09	1°♄39'39	0°39'28	superior conj	6195 Jul 04 06:17	16°♄19'29	0°14'10
evening rise	6194 Jul 26 18:17	16°♄41'18		minimum elong	6195 Jul 04 05:37	16°♄15'49	0°13'58
	6194 Aug 02 07:26	0°♄		behind sun begin	6195 Jul 04 03:01	16°♄01'52	
desc. node	6194 Aug 20 18:51	27°♄21'21					

behind sun end	6195 Jul 04 08:12	16°☿29'46		superior conj	6196 Jun 17 08:36	0°☿30'29	-0°14'26
	6195 Jul 10 13:59	0°♌		minimum elong	6196 Jun 17 09:22	0°☿34'32	0°14'19
evening rise	6195 Jul 11 06:05	1°♌25'48		behind sun begin	6196 Jun 17 06:49	0°☿21'10	
	6195 Jul 27 00:14	0°♍		behind sun end	6196 Jun 17 11:55	0°☿47'53	
evening max el	6195 Aug 03 07:11	8°♍42'27	23°16'42		6196 Jun 17 02:47	0°☿	
desc. node	6195 Aug 07 15:54	12°♍18'58		asc. node	6196 Jun 18 18:23	3°☿28'32	
retrograde	6195 Aug 16 18:31	15°♍27'12		evening rise	6196 Jun 24 16:42	16°☿02'46	
evening set	6195 Aug 20 17:28	14°♍52'56			6196 Jul 01 16:41	0°♌	
min. Earth dist.	6195 Aug 27 16:22	11°♍41'05	0.55596 AU	evening max el	6196 Jul 14 23:33	19°♌06'27	21°41'01
inferior conj	6195 Aug 29 12:07	10°♍37'03	-5°09'51	desc. node	6196 Jul 24 12:56	24°♌56'46	
minimum elong	6195 Aug 29 06:56	10°♍44'40	5°09'15	retrograde	6196 Jul 27 10:16	25°♌16'34	
morning rise	6195 Sep 06 22:43	6°♍45'20		evening set	6196 Jul 30 00:35	25°♌01'18	
direct	6195 Sep 09 21:12	6°♍24'35		inferior conj	6196 Aug 08 07:32	21°♌00'33	-4°04'37
morning max el	6195 Sep 20 14:01	11°♍23'32	20°27'29	minimum elong	6196 Aug 07 22:27	21°♌13'17	4°02'13
asc. node	6195 Sep 28 20:39	21°♍53'15		min. Earth dist.	6196 Aug 08 02:03	21°♌08'14	0.54805 AU
	6195 Oct 03 13:09	0°♎		morning rise	6196 Aug 16 21:33	17°♌09'27	
morning set	6195 Oct 09 08:18	11°♎26'27		direct	6196 Aug 20 07:26	16°♌44'04	
				morning max el	6196 Sep 01 14:10	22°♌30'44	21°59'08
superior conj	6195 Oct 16 21:27	26°♎58'53	1°40'40		6196 Sep 08 01:54	0°♍	
minimum elong	6195 Oct 16 22:35	27°♎04'37	1°40'38	asc. node	6196 Sep 14 17:41	10°♍31'57	
	6195 Oct 18 09:22	0°♏		morning set	6196 Sep 22 18:11	26°♍15'06	
max. Earth dist.	6195 Oct 22 02:18	7°♏17'18	1.36302 AU		6196 Sep 24 12:53	0°♎	
evening rise	6195 Oct 25 23:46	14°♏37'22					
desc. node	6195 Nov 03 15:06	29°♏40'25		superior conj	6196 Sep 29 22:17	11°♎26'23	1°42'38
	6195 Nov 03 19:51	0°♐		minimum elong	6196 Sep 29 22:01	11°♎24'58	1°42'38
	6195 Nov 24 21:33	0°♑		max. Earth dist.	6196 Oct 03 15:58	19°♎11'02	1.34573 AU
evening max el	6195 Nov 30 15:04	6°♑11'41	26°02'42	evening rise	6196 Oct 08 02:28	27°♎59'02	
retrograde	6195 Dec 13 05:01	13°♑20'32			6196 Oct 09 03:44	0°♏	
evening set	6195 Dec 19 09:19	10°♑48'31		desc. node	6196 Oct 20 12:09	19°♏55'34	
min. Earth dist.	6195 Dec 23 15:16	6°♑17'18	0.66831 AU		6196 Oct 27 01:38	0°♐	
inferior conj	6195 Dec 25 03:01	4°♑26'04	-0°14'21	evening max el	6196 Nov 12 03:56	19°♐50'22	26°55'11
minimum elong	6195 Dec 25 03:24	4°♑24'54	0°14'08	retrograde	6196 Nov 25 08:38	27°♐08'30	
transit middle	6195 Dec 25 03:24	4°♑24'54	0°14'08	evening set	6196 Dec 02 00:43	24°♐30'09	
transit begin	6195 Dec 25 02:02	4°♑29'09		min. Earth dist.	6196 Dec 06 00:21	20°♐33'49	0.65655 AU
transit end	6195 Dec 25 04:46	4°♑20'38		inferior conj	6196 Dec 07 23:44	18°♐17'13	-1°15'27
asc. node	6195 Dec 25 19:57	3°♑33'41		minimum elong	6196 Dec 08 01:54	18°♐10'58	1°14'30
	6195 Dec 29 02:02	30°♒♐		asc. node	6196 Dec 11 16:59	14°♐22'41	
morning rise	6195 Dec 30 22:03	28°♒36'46		morning rise	6196 Dec 14 04:08	12°♒39'28	
direct	6196 Jan 03 01:52	27°♒39'49		direct	6196 Dec 16 22:44	11°♒57'22	
	6196 Jan 08 08:13	0°♓		morning max el	6196 Dec 23 10:34	15°♒26'18	18°12'33
morning max el	6196 Jan 09 20:25	1°♓22'35	18°49'47		6197 Jan 03 01:21	0°♓	
	6196 Jan 29 21:19	0°♈		morning set	6197 Jan 11 06:10	13°♓14'27	
desc. node	6196 Jan 30 14:23	1°♈06'47		desc. node	6197 Jan 16 11:25	21°♓41'01	
morning set	6196 Jan 31 15:49	2°♈46'22			6197 Jan 21 16:15	0°♈	
max. Earth dist.	6196 Feb 15 17:52	26°♈23'33	1.45240 AU				
				superior conj	6197 Jan 26 07:14	7°♈18'40	-1°05'23
superior conj	6196 Feb 17 03:01	28°♈33'41	-1°44'30	minimum elong	6197 Jan 25 23:27	6°♈48'01	1°04'23
minimum elong	6196 Feb 16 17:49	27°♈57'34	1°43'41	max. Earth dist.	6197 Jan 28 12:56	10°♈49'34	1.45348 AU
	6196 Feb 18 00:58	0°♉			6197 Feb 09 19:44	0°♉	
evening rise	6196 Mar 03 09:04	22°♉51'10		evening rise	6197 Feb 11 11:56	2°♉36'37	
	6196 Mar 07 19:08	0°♊		greatest brilliancy	6197 Feb 23 10:50	21°♉06'11	-0.7m
asc. node	6196 Mar 22 19:10	22°♊18'21			6197 Mar 01 12:56	0°♊	
evening max el	6196 Mar 24 04:22	23°♊48'08	18°39'56	evening max el	6197 Mar 07 12:25	7°♊21'03	19°23'06
retrograde	6196 Mar 30 18:52	27°♊26'47		asc. node	6197 Mar 09 16:13	9°♊18'57	
evening set	6196 Apr 02 23:57	26°♊28'06		retrograde	6197 Mar 14 15:35	11°♊25'17	
inferior conj	6196 Apr 08 16:18	20°♊51'06	3°29'39	evening set	6197 Mar 18 04:07	10°♊12'45	
minimum elong	6196 Apr 08 16:12	20°♊51'24	3°29'38	inferior conj	6197 Mar 23 15:16	4°♊20'18	3°22'13
min. Earth dist.	6196 Apr 10 14:55	18°♊29'22	0.65193 AU	minimum elong	6197 Mar 23 13:58	4°♊24'30	3°22'04
morning rise	6196 Apr 14 07:50	14°♊36'27		min. Earth dist.	6197 Mar 24 22:44	2°♊37'43	0.66587 AU
direct	6196 Apr 20 22:48	11°♊47'46			6197 Mar 27 02:17	30°♒♉	
desc. node	6196 Apr 27 13:43	14°♊02'25		morning rise	6197 Mar 28 23:30	28°♉04'24	
morning max el	6196 May 04 07:13	19°♊39'33	27°03'56	direct	6197 Apr 04 04:43	25°♉18'49	
	6196 May 13 02:51	0°♋			6197 Apr 13 18:01	0°♊	
	6196 Jun 01 14:29	0°♌		desc. node	6197 Apr 14 10:45	0°♊36'55	
morning set	6196 Jun 08 22:44	13°♌31'15		morning max el	6197 Apr 16 17:04	2°♊47'11	25°56'45
max. Earth dist.	6196 Jun 13 09:44	22°♌20'32	1.33869 AU		6197 May 07 07:53	0°♋	
				morning set	6197 May 22 20:43	26°♋16'42	

	6197 May 24 20:36	0°♂			6198 Apr 30 06:49	0°♂	
max. Earth dist.	6197 May 26 16:59	3°♂31'20	1.35472 AU	morning set	6198 May 05 00:07	8°♂05'48	
				max. Earth dist.	6198 May 08 15:02	14°♂34'05	1.37475 AU
superior conj	6197 Jun 01 03:11	14°♂14'35	-0°44'44				
minimum elong	6197 Jun 01 05:43	14°♂27'25	0°44'17	superior conj	6198 May 15 10:54	27°♂23'42	-1°14'56
asc. node	6197 Jun 05 15:26	23°♂29'30		minimum elong	6198 May 15 15:11	27°♂44'25	1°14'16
	6197 Jun 08 19:05	0°♂			6198 May 16 19:02	0°♂	
evening rise	6197 Jun 09 00:03	0°♂25'27		asc. node	6198 May 23 12:29	13°♂21'20	
evening max el	6197 Jun 27 03:15	0°♂02'38	20°18'44	evening rise	6198 May 24 01:44	14°♂27'18	
	6197 Jun 27 02:11	0°♂			6198 Jun 01 07:25	0°♂	
retrograde	6197 Jul 07 23:16	5°♂21'43		evening max el	6198 Jun 09 19:38	11°♂41'44	19°15'33
evening set	6197 Jul 09 22:03	5°♂12'08		retrograde	6198 Jun 18 22:31	16°♂10'09	
desc. node	6197 Jul 11 09:59	4°♂52'27		evening set	6198 Jun 20 21:10	15°♂58'50	
inferior conj	6197 Jul 19 01:49	1°♂14'24	-2°17'08	desc. node	6198 Jun 28 07:01	12°♂32'12	
minimum elong	6197 Jul 18 19:28	1°♂23'42	2°14'51	inferior conj	6198 Jun 29 08:59	11°♂49'28	-0°19'29
min. Earth dist.	6197 Jul 20 13:28	0°♂22'09	0.54964 AU	minimum elong	6198 Jun 29 08:08	11°♂50'52	0°19'12
	6197 Jul 21 04:49	30°♂		min. Earth dist.	6198 Jul 02 03:25	9°♂59'38	0.56055 AU
morning rise	6197 Jul 27 15:44	27°♂03'26		morning rise	6198 Jul 07 16:09	7°♂04'42	
direct	6197 Jul 31 17:55	26°♂27'13		direct	6198 Jul 12 15:20	6°♂08'06	
	6197 Aug 10 13:37	0°♂		morning max el	6198 Jul 26 18:53	13°♂19'53	25°24'10
morning max el	6197 Aug 14 05:41	3°♂01'28	23°42'35		6198 Aug 08 20:07	0°♂	
asc. node	6197 Sep 01 14:43	29°♂41'51		asc. node	6198 Aug 19 11:46	19°♂14'53	
	6197 Sep 01 18:29	0°♂		morning set	6198 Aug 22 17:16	25°♂57'10	
morning set	6197 Sep 07 05:43	11°♂06'53			6198 Aug 24 14:32	0°♂	
superior conj	6197 Sep 14 04:56	26°♂09'21	1°38'06	superior conj	6198 Aug 29 15:05	11°♂00'36	1°27'54
minimum elong	6197 Sep 14 03:34	26°♂01'59	1°38'01	minimum elong	6198 Aug 29 13:02	10°♂49'20	1°27'41
	6197 Sep 15 23:51	0°♂		max. Earth dist.	6198 Aug 30 20:12	13°♂40'14	1.32363 AU
max. Earth dist.	6197 Sep 16 14:19	1°♂17'04	1.33250 AU	evening rise	6198 Sep 05 17:17	26°♂13'44	
evening rise	6197 Sep 21 17:26	11°♂54'17			6198 Sep 07 13:37	0°♂	
	6197 Oct 01 10:01	0°♂		desc. node	6198 Sep 24 06:12	29°♂08'10	
desc. node	6197 Oct 07 09:11	9°♂47'55			6198 Sep 24 20:21	0°♂	
	6197 Oct 22 12:35	0°♂		evening max el	6198 Oct 08 01:33	16°♂04'13	27°23'27
evening max el	6197 Oct 25 16:08	3°♂12'15	27°24'12	retrograde	6198 Oct 21 20:27	23°♂18'03	
retrograde	6197 Nov 08 06:08	10°♂30'39		evening set	6198 Oct 29 00:09	20°♂52'41	
evening set	6197 Nov 15 06:45	7°♂53'47		min. Earth dist.	6198 Nov 01 15:42	17°♂57'55	0.62317 AU
min. Earth dist.	6197 Nov 19 01:06	4°♂30'44	0.64135 AU	inferior conj	6198 Nov 04 13:30	15°♂15'03	-3°25'25
inferior conj	6197 Nov 21 12:12	1°♂55'57	-2°20'11	minimum elong	6198 Nov 04 19:29	15°♂01'02	3°23'25
minimum elong	6197 Nov 21 16:24	1°♂44'57	2°18'32	morning rise	6198 Nov 11 16:41	10°♂09'49	
	6197 Nov 23 09:42	30°♂		direct	6198 Nov 14 00:24	9°♂45'48	
morning rise	6197 Nov 28 03:32	26°♂32'44		asc. node	6198 Nov 15 11:03	9°♂55'23	
asc. node	6197 Nov 28 14:00	26°♂22'50		morning max el	6198 Nov 20 19:48	13°♂14'01	17°50'08
direct	6197 Nov 30 15:18	26°♂01'29			6198 Dec 02 05:25	0°♂	
morning max el	6197 Dec 07 03:23	29°♂25'58	17°52'25	morning set	6198 Dec 06 17:40	8°♂00'26	
	6197 Dec 07 16:40	0°♂					
morning set	6197 Dec 24 00:52	25°♂05'50		superior conj	6198 Dec 17 21:50	27°♂34'30	0°23'39
	6197 Dec 26 22:12	0°♂		minimum elong	6198 Dec 17 24:00	27°♂43'43	0°23'22
desc. node	6198 Jan 03 08:27	12°♂22'52			6198 Dec 19 08:17	0°♂	
				desc. node	6198 Dec 21 05:26	3°♂08'35	
superior conj	6198 Jan 06 01:57	16°♂49'49	-0°19'14	max. Earth dist.	6198 Dec 24 23:45	9°♂19'07	1.43432 AU
minimum elong	6198 Jan 05 23:44	16°♂40'51	0°18'53	evening rise	6199 Jan 01 13:00	21°♂18'27	
max. Earth dist.	6198 Jan 11 07:43	25°♂13'35	1.44720 AU		6199 Jan 07 04:59	0°♂	
	6198 Jan 14 08:22	0°♂			6199 Jan 28 11:56	0°♂	
evening rise	6198 Jan 22 00:21	11°♂53'33		evening max el	6199 Feb 01 13:04	4°♂33'03	21°31'43
	6198 Feb 02 23:35	0°♂		retrograde	6199 Feb 10 11:35	9°♂50'56	
evening max el	6198 Feb 18 15:29	20°♂56'31	20°21'24	asc. node	6199 Feb 11 10:17	9°♂46'13	
asc. node	6198 Feb 24 13:15	25°♂13'14		evening set	6199 Feb 14 18:53	8°♂08'29	
retrograde	6198 Feb 26 13:51	25°♂34'50		inferior conj	6199 Feb 20 02:45	1°♂51'58	2°33'43
evening set	6198 Mar 02 11:02	24°♂07'41		minimum elong	6199 Feb 20 00:24	2°♂00'08	2°33'05
inferior conj	6198 Mar 07 19:31	18°♂01'53	3°02'54	min. Earth dist.	6199 Feb 20 07:26	1°♂35'41	0.68086 AU
minimum elong	6198 Mar 07 17:28	18°♂08'52	3°02'30		6199 Feb 21 11:17	30°♂	
min. Earth dist.	6198 Mar 08 12:58	17°♂02'29	0.67550 AU	morning rise	6199 Feb 25 05:45	25°♂39'49	
morning rise	6198 Mar 12 23:41	11°♂47'06		direct	6199 Mar 02 07:50	23°♂27'19	
direct	6198 Mar 18 16:05	9°♂14'48		morning max el	6199 Mar 12 11:09	29°♂27'50	23°03'54
morning max el	6198 Mar 30 01:47	16°♂04'18	24°33'21		6199 Mar 12 23:45	0°♂	
desc. node	6198 Apr 01 07:47	18°♂27'39		desc. node	6199 Mar 19 04:47	7°♂12'38	
	6198 Apr 10 13:43	0°♂			6199 Apr 04 08:50	0°♂	

morning set	6199 Apr 16 02:58	18° Υ 42'40			6200 Mar 28 07:31	0° Υ	
max. Earth dist.	6199 Apr 20 10:49	26° Υ 03'00	1.39687 AU	max. Earth dist.	6200 Apr 02 10:57	8° Υ 22'32	1.41826 AU
	6199 Apr 22 17:11	0° \mathcal{B}					
superior conj	6199 Apr 28 03:37	9° \mathcal{B} 47'00	-1°42'12	superior conj	6200 Apr 10 00:38	21° Υ 13'58	-2°02'24
minimum elong	6199 Apr 28 08:54	10° \mathcal{B} 11'18	1°41'38	minimum elong	6200 Apr 10 04:52	21° Υ 32'25	2°02'12
evening rise	6199 May 07 18:42	27° \mathcal{B} 59'49		evening rise	6200 Apr 14 23:27	0° \mathcal{B}	
	6199 May 08 19:50	0° Π		asc. node	6200 Apr 20 23:20	10° \mathcal{B} 54'33	
asc. node	6199 May 10 09:30	2° Π 58'54			6200 Apr 27 06:32	22° \mathcal{B} 17'13	
evening max el	6199 May 23 22:13	23° Π 59'29	18°32'49	evening max el	6200 May 01 23:00	0° Π	
retrograde	6199 May 31 16:18	27° Π 49'54		retrograde	6200 May 07 07:32	6° Π 48'11	18°10'16
evening set	6199 Jun 02 21:00	27° Π 32'24		evening set	6200 May 14 04:28	10° Π 16'31	
inferior conj	6199 Jun 10 12:45	23° Π 03'48	1°19'24	inferior conj	6200 May 16 16:16	9° Π 49'42	
minimum elong	6199 Jun 10 15:24	22° Π 58'37	1°18'28	minimum elong	6200 May 23 13:47	5° Π 00'40	2°28'23
min. Earth dist.	6199 Jun 13 21:29	20° Π 27'50	0.57848 AU	min. Earth dist.	6200 May 23 17:05	4° Π 53'10	2°27'32
desc. node	6199 Jun 15 04:03	19° Π 33'23			6200 May 26 22:06	1° Π 59'38	0.60012 AU
morning rise	6199 Jun 18 06:31	17° Π 43'26		morning rise	6200 May 29 10:43	30° \mathcal{R} \mathcal{B}	
direct	6199 Jun 24 02:36	16° Π 17'00		desc. node	6200 May 30 15:14	29° \mathcal{B} 13'02	
morning max el	6199 Jul 08 11:52	23° Π 54'44	26°47'36	direct	6200 Jun 02 01:04	28° \mathcal{B} 00'27	
	6199 Jul 14 00:19	0° \mathcal{B}			6200 Jun 06 02:57	27° \mathcal{B} 12'58	
	6199 Aug 01 20:59	0° Ω		morning max el	6200 Jun 14 06:28	0° Π	
asc. node	6199 Aug 06 08:47	9° Ω 03'50			6200 Jun 20 11:27	5° Π 07'12	27°39'26
morning set	6199 Aug 07 03:13	10° Ω 40'38		morning set	6200 Jul 08 22:59	0° \mathcal{B}	
				asc. node	6200 Jul 22 09:50	25° \mathcal{B} 11'56	
superior conj	6199 Aug 14 02:46	25° Ω 53'29	1°12'42		6200 Jul 24 05:48	29° \mathcal{B} 03'20	
minimum elong	6199 Aug 14 00:29	25° Ω 40'51	1°12'21	max. Earth dist.	6200 Jul 24 16:25	0° Ω	
max. Earth dist.	6199 Aug 14 06:24	26° Ω 13'32	1.31900 AU		6200 Jul 28 17:10	8° Ω 46'04	1.31869 AU
	6199 Aug 15 23:22	0° \mathcal{M}		superior conj	6200 Jul 29 14:14	10° Ω 42'16	0°53'02
evening rise	6199 Aug 20 23:12	10° \mathcal{M} 48'46		minimum elong	6200 Jul 29 12:11	10° Ω 30'59	0°52'36
	6199 Aug 30 19:14	0° \mathcal{L}		evening rise	6200 Aug 05 08:57	25° Ω 32'19	
desc. node	6199 Sep 11 03:13	17° \mathcal{L} 43'27			6200 Aug 07 11:51	0° \mathcal{M}	
evening max el	6199 Sep 20 05:19	28° \mathcal{L} 13'15	26°49'20		6200 Aug 24 20:10	0° \mathcal{L}	
	6199 Sep 22 05:07	0° \mathcal{M}		desc. node	6200 Aug 29 00:16	5° \mathcal{L} 15'09	
retrograde	6199 Oct 04 02:54	5° \mathcal{M} 22'28		evening max el	6200 Sep 02 01:20	9° \mathcal{L} 31'52	25°43'05
evening set	6199 Oct 11 00:44	3° \mathcal{M} 20'02		retrograde	6200 Sep 16 00:06	16° \mathcal{L} 37'05	
min. Earth dist.	6199 Oct 14 19:20	0° \mathcal{M} 43'00	0.60287 AU	evening set	6200 Sep 22 03:33	15° \mathcal{L} 08'13	
	6199 Oct 15 16:50	30° \mathcal{R} \mathcal{L}		min. Earth dist.	6200 Sep 26 13:31	12° \mathcal{L} 31'47	0.58218 AU
inferior conj	6199 Oct 18 00:15	28° \mathcal{L} 05'50	-4°25'18	inferior conj	6200 Sep 29 16:56	10° \mathcal{L} 17'54	-5°09'45
minimum elong	6199 Oct 18 06:52	27° \mathcal{L} 52'17	4°23'41	minimum elong	6200 Sep 29 21:27	10° \mathcal{L} 09'50	5°09'11
morning rise	6199 Oct 25 15:06	23° \mathcal{L} 22'06		morning rise	6200 Sep 29 21:27	10° \mathcal{L} 09'50	5°09'11
direct	6199 Oct 27 22:02	23° \mathcal{L} 02'12		direct	6200 Oct 07 17:41	5° \mathcal{L} 57'22	
asc. node	6199 Nov 02 08:05	24° \mathcal{L} 59'44		morning max el	6200 Oct 10 03:33	5° \mathcal{L} 39'00	
morning max el	6199 Nov 04 08:37	26° \mathcal{L} 42'42	18°06'55	asc. node	6200 Oct 18 14:18	9° \mathcal{L} 41'40	18°44'16
	6199 Nov 07 06:05	0° \mathcal{M}			6200 Oct 20 05:07	11° \mathcal{L} 22'45	
morning set	6199 Nov 20 02:23	21° \mathcal{M} 40'03		morning set	6200 Oct 31 21:39	0° \mathcal{M}	
	6199 Nov 24 13:27	0° \mathcal{X}			6200 Nov 03 22:08	5° \mathcal{M} 50'02	
superior conj	6199 Nov 29 19:05	9° \mathcal{X} 32'59	0°57'43	superior conj	6200 Nov 12 12:55	22° \mathcal{M} 30'43	1°21'41
minimum elong	6199 Nov 29 22:49	9° \mathcal{X} 49'39	0°57'16	minimum elong	6200 Nov 12 16:14	22° \mathcal{M} 46'17	1°21'22
max. Earth dist.	6199 Dec 07 10:57	22° \mathcal{X} 50'17	1.41635 AU	max. Earth dist.	6200 Nov 16 13:53	0° \mathcal{X}	
desc. node	6199 Dec 08 02:26	23° \mathcal{X} 55'07		evening rise	6200 Nov 19 17:12	5° \mathcal{X} 36'59	1.39551 AU
	6199 Dec 11 19:04	0° \mathcal{Z}		desc. node	6200 Nov 23 17:16	12° \mathcal{X} 31'42	
evening rise	6199 Dec 12 16:13	1° \mathcal{Z} 25'29			6200 Nov 24 23:26	14° \mathcal{X} 38'30	
	6199 Dec 31 15:56	0° \approx			6200 Dec 04 14:18	0° \mathcal{Z}	
evening max el	6200 Jan 15 05:52	18° \approx 11'40	22°49'38	evening max el	6200 Dec 26 23:46	0° \approx	
retrograde	6200 Jan 25 07:19	24° \approx 09'58		retrograde	6200 Dec 28 19:36	1° \approx 53'16	24°09'32
asc. node	6200 Jan 29 07:19	22° \approx 48'05		evening set	6201 Jan 08 23:42	8° \approx 27'03	
evening set	6200 Jan 30 02:06	22° \approx 12'04		asc. node	6201 Jan 14 07:07	6° \approx 14'20	
inferior conj	6200 Feb 04 11:02	15° \approx 48'07	1°56'01	min. Earth dist.	6201 Jan 16 04:22	4° \approx 22'12	
minimum elong	6200 Feb 04 08:50	15° \approx 55'42	1°55'18	inferior conj	6201 Jan 19 00:23	0° \approx 48'21	0.67964 AU
min. Earth dist.	6200 Feb 04 04:00	16° \approx 12'26	0.68216 AU	minimum elong	6201 Jan 19 18:31	29° \mathcal{Z} 47'05	1°10'42
morning rise	6200 Feb 09 15:29	9° \approx 39'55			6201 Jan 19 16:57	29° \mathcal{Z} 52'23	1°10'08
direct	6200 Feb 14 03:08	7° \approx 50'03		morning rise	6201 Jan 19 14:42	30° \mathcal{R} \mathcal{Z}	
morning max el	6200 Feb 23 00:40	13° \approx 00'45	21°37'34	direct	6201 Jan 25 02:51	23° \mathcal{Z} 44'24	
desc. node	6200 Mar 06 01:46	26° \approx 36'55		morning max el	6201 Jan 29 00:56	22° \mathcal{Z} 16'57	
	6200 Mar 08 11:53	0° \mathcal{X}			6201 Feb 05 21:12	26° \mathcal{Z} 44'49	20°21'03
morning set	6200 Mar 27 01:39	28° \mathcal{X} 00'44		desc. node	6201 Feb 08 20:28	0° \approx	
					6201 Feb 20 22:45	16° \approx 29'18	

	6201 Mar 01 22:57	0° H			6202 Feb 22 20:13	0° H	
morning set	6201 Mar 06 01:58	6° H 20'26		max. Earth dist.	6202 Feb 26 07:52	5° H 28'47	1.44848 AU
max. Earth dist.	6201 Mar 15 18:00	21° H 34'17	1.43615 AU				
	6201 Mar 20 22:25	0° Y		superior conj	6202 Mar 01 17:41	10° H 52'51	-1°59'40
				minimum elong	6202 Mar 01 10:54	10° H 25'53	1°59'15
superior conj	6201 Mar 21 21:30	1° Y 35'16	-2°10'05		6202 Mar 13 12:56	0° Y	
minimum elong	6201 Mar 21 21:17	1° Y 34'22	2°10'06	evening rise	6202 Mar 16 01:46	4° Y 11'33	
evening rise	6201 Apr 03 11:09	23° Y 01'16		asc. node	6202 Apr 01 00:38	29° Y 27'14	
	6201 Apr 07 11:15	0° B			6202 Apr 01 10:42	0° B	
asc. node	6201 Apr 14 03:35	11° B 09'38		evening max el	6202 Apr 04 08:59	3° B 22'48	18°22'54
evening max el	6201 Apr 20 20:10	19° B 58'55	18°07'14	retrograde	6202 Apr 10 19:34	6° B 51'19	
retrograde	6201 Apr 27 07:03	23° B 20'25		evening set	6202 Apr 13 20:49	6° B 00'15	
evening set	6201 Apr 30 01:39	22° B 42'09		inferior conj	6202 Apr 19 17:32	0° B 33'17	3°27'22
inferior conj	6201 May 06 08:48	17° B 33'34	3°09'11	minimum elong	6202 Apr 19 18:17	0° B 31'07	3°27'18
minimum elong	6201 May 06 11:04	17° B 27'40	3°08'49		6202 Apr 20 05:00	30° R Y	
min. Earth dist.	6201 May 09 07:04	14° B 32'15	0.62214 AU	min. Earth dist.	6202 Apr 22 01:12	27° Y 52'51	0.64210 AU
morning rise	6201 May 12 18:47	11° B 29'37		morning rise	6202 Apr 25 14:51	24° Y 21'14	
direct	6201 May 19 14:03	9° B 01'07		direct	6202 May 02 09:27	21° Y 36'00	
desc. node	6201 May 19 22:05	9° B 01'28		desc. node	6202 May 06 19:07	22° Y 35'45	
morning max el	6201 Jun 02 16:56	17° B 02'36	27°53'39	morning max el	6202 May 16 01:56	29° Y 34'12	27°31'13
	6201 Jun 13 10:31	0° II			6202 May 16 12:05	0° B	
	6201 Jul 01 16:14	0° E			6202 Jun 07 09:00	0° II	
morning set	6201 Jul 06 11:08	9° E 25'12		morning set	6202 Jun 20 04:31	23° II 11'44	
asc. node	6201 Jul 11 02:49	19° E 08'57			6202 Jun 23 13:42	0° E	
max. Earth dist.	6201 Jul 12 00:36	21° E 05'56	1.32281 AU	max. Earth dist.	6202 Jun 25 00:50	3° E 01'29	1.33155 AU
				asc. node	6202 Jun 27 23:51	9° E 15'45	
superior conj	6201 Jul 13 23:44	25° E 21'43	0°29'22				
minimum elong	6201 Jul 13 22:25	25° E 14'32	0°29'03	superior conj	6202 Jun 28 05:17	9° E 44'41	0°02'21
	6201 Jul 16 02:38	0° O		minimum elong	6202 Jun 28 05:10	9° E 44'04	0°02'16
evening rise	6201 Jul 20 20:34	10° O 18'28		behind sun begin	6202 Jun 27 23:47	9° E 15'22	
	6201 Jul 30 21:31	0° M		behind sun end	6202 Jun 28 10:32	10° E 12'48	
evening max el	6201 Aug 14 14:50	20° M 07'57	24°13'19	evening rise	6202 Jul 05 08:04	25° E 00'13	
desc. node	6201 Aug 15 21:19	21° M 18'23			6202 Jul 07 17:30	0° O	
retrograde	6201 Aug 28 09:48	27° M 03'58			6202 Jul 26 17:11	0° M	
evening set	6201 Sep 02 05:46	26° M 12'15		evening max el	6202 Jul 27 03:47	0° M 26'15	22°35'05
min. Earth dist.	6201 Sep 08 01:42	23° M 17'31	0.56398 AU	desc. node	6202 Aug 02 18:22	5° M 20'24	
inferior conj	6201 Sep 10 13:27	21° M 44'29	-5°23'08	retrograde	6202 Aug 09 06:37	6° M 58'08	
minimum elong	6201 Sep 10 12:17	21° M 46'19	5°23'07	evening set	6202 Aug 12 14:11	6° M 34'02	
morning rise	6201 Sep 18 21:09	17° M 44'24		min. Earth dist.	6202 Aug 20 11:14	3° M 06'27	0.55154 AU
direct	6201 Sep 21 13:58	17° M 25'11		inferior conj	6202 Aug 21 15:40	2° M 26'03	-4°48'41
morning max el	6201 Oct 01 09:32	22° M 01'03	19°43'28	minimum elong	6202 Aug 21 08:05	2° M 36'51	4°47'19
asc. node	6201 Oct 07 02:08	28° M 49'16			6202 Aug 26 05:51	30° R O	
	6201 Oct 07 21:23	0° A		morning rise	6202 Aug 30 03:54	28° O 36'40	
morning set	6201 Oct 19 01:23	20° A 20'37		direct	6202 Sep 02 07:03	28° O 14'13	
	6201 Oct 23 19:40	0° M			6202 Sep 08 20:34	0° M	
superior conj	6201 Oct 26 22:06	6° M 12'39	1°36'09	morning max el	6202 Sep 13 16:16	3° M 33'10	21°04'20
minimum elong	6201 Oct 27 00:06	6° M 22'32	1°36'03	asc. node	6202 Sep 23 23:10	17° M 04'39	
max. Earth dist.	6201 Nov 01 22:15	17° M 46'22	1.37441 AU		6202 Sep 30 21:56	0° A	
evening rise	6201 Nov 05 16:26	24° M 37'42		morning set	6202 Oct 03 09:27	5° O 03'55	
	6201 Nov 08 17:59	0° A					
desc. node	6201 Nov 11 20:29	5° A 14'51		superior conj	6202 Oct 10 18:11	20° A 25'45	1°42'21
	6201 Nov 28 06:00	0° B		minimum elong	6202 Oct 10 18:41	20° A 28'23	1°42'21
evening max el	6201 Dec 11 08:26	15° B 38'17	25°24'37		6202 Oct 15 11:52	0° M	
retrograde	6201 Dec 23 11:40	22° B 37'29		max. Earth dist.	6202 Oct 15 07:48	29° A 39'54	1.35525 AU
evening set	6201 Dec 29 08:18	20° B 11'50		evening rise	6202 Oct 19 10:15	7° M 34'15	
min. Earth dist.	6202 Jan 02 18:15	15° B 20'10	0.67349 AU	desc. node	6202 Oct 29 17:33	25° M 39'13	
asc. node	6202 Jan 03 01:25	14° B 57'09			6202 Nov 01 10:31	0° A	
inferior conj	6202 Jan 03 23:24	13° B 46'06	0°18'31	evening max el	6202 Nov 23 21:30	29° A 22'10	26°27'33
minimum elong	6202 Jan 03 22:56	13° B 47'36	0°18'22		6202 Nov 24 13:26	0° B	
morning rise	6202 Jan 09 13:54	7° B 50'58		retrograde	6202 Dec 06 18:22	6° B 35'31	
direct	6202 Jan 12 23:54	6° B 43'44		evening set	6202 Dec 13 03:53	4° B 00'23	
morning max el	6202 Jan 20 01:38	10° B 39'38	19°18'29		6202 Dec 17 01:45	30° R A	
greatest brilliancy	6202 Feb 02 08:09	28° B 21'49	-0.7m	min. Earth dist.	6202 Dec 17 07:11	29° A 43'53	0.66374 AU
	6202 Feb 03 10:13	0° A		inferior conj	6202 Dec 18 23:45	27° A 41'27	-0°39'39
desc. node	6202 Feb 07 19:46	6° A 42'13		minimum elong	6202 Dec 19 00:50	27° A 38'09	0°39'09
morning set	6202 Feb 13 01:14	14° A 45'47		asc. node	6202 Dec 20 22:27	25° A 24'36	
				morning rise	6202 Dec 24 22:30	21° A 56'28	

direct	6202 Dec 27 22:13	21°  06'10		morning max el	6203 Dec 18 04:33	8°  44'13	18°01'56
morning max el	6203 Jan 03 12:54	24°  41'40	18°31'52		6204 Jan 01 18:17	0° 	
	6203 Jan 08 00:14	0° 		morning set	6204 Jan 05 01:38	5°  28'31	
morning set	6203 Jan 23 22:38	24°  22'58		desc. node	6204 Jan 12 13:48	17°  34'57	
desc. node	6203 Jan 25 16:47	27°  10'09					
	6203 Jan 27 11:40	0° 		superior conj	6204 Jan 19 06:41	28°  33'42	-0°45'59
				minimum elong	6204 Jan 19 01:08	28°  11'36	0°45'12
superior conj	6203 Feb 08 22:26	19°  34'59	-1°29'31		6204 Jan 20 04:27	0° 	
minimum elong	6203 Feb 08 12:57	18°  57'52	1°28'30	max. Earth dist.	6204 Jan 22 22:26	4°  20'28	1.45169 AU
max. Earth dist.	6203 Feb 09 02:34	19°  51'11	1.45383 AU	evening rise	6204 Feb 04 12:29	23°  55'46	
	6203 Feb 15 13:48	0° 			6204 Feb 08 11:04	0° 	
evening rise	6203 Feb 24 17:08	14°  25'51		greatest brilliancy	6204 Feb 18 05:37	14°  49'54	-0.7m
greatest brilliancy	6203 Mar 05 18:25	28°  46'27	-0.8m		6204 Feb 29 14:36	0° 	
	6203 Mar 06 13:13	0° 		evening max el	6204 Mar 01 01:27	0°  28'14	19°46'05
asc. node	6203 Mar 18 21:42	16°  59'58		asc. node	6204 Mar 04 18:44	3°  34'14	
evening max el	6203 Mar 18 19:26	16°  54'15	18°56'18	retrograde	6204 Mar 08 11:59	4°  46'05	
retrograde	6203 Mar 25 14:14	20°  42'07		evening set	6204 Mar 12 04:04	3°  27'14	
evening set	6203 Mar 28 22:29	19°  37'27			6204 Mar 15 14:59	30°  R 	
inferior conj	6203 Apr 03 12:15	13°  53'38	3°28'06	inferior conj	6204 Mar 17 13:47	27°  48'33	3°15'19
minimum elong	6203 Apr 03 11:37	13°  55'40	3°28'03	minimum elong	6204 Mar 17 12:07	27°  44'06	3°15'04
min. Earth dist.	6203 Apr 05 04:17	11°  48'00	0.65844 AU	min. Earth dist.	6204 Mar 18 15:01	26°  40'28	0.67053 AU
morning rise	6203 Apr 09 00:19	7°  38'21		morning rise	6204 Mar 22 19:56	21°  42'55	
direct	6203 Apr 15 11:42	4°  49'44		direct	6204 Mar 28 19:52	18°  42'18	
desc. node	6203 Apr 23 16:08	8°  14'15		desc. node	6204 Apr 09 13:08	25°  42'08	
morning max el	6203 Apr 28 12:08	12°  32'29	26°37'59	morning max el	6204 Apr 09 21:40	25°  45'33	25°22'40
	6203 May 12 12:26	0° 			6204 Apr 13 18:53	0° 	
	6203 May 31 00:15	0° 			6204 May 05 01:21	0° 	
morning set	6203 Jun 03 10:45	6°  22'38		morning set	6204 May 16 01:30	18°  45'39	
max. Earth dist.	6203 Jun 07 14:53	14°  28'14	1.34503 AU	max. Earth dist.	6204 May 19 18:01	25°  33'24	1.36290 AU
					6204 May 22 02:06	0° 	
superior conj	6203 Jun 12 04:38	23°  45'03	-0°27'10				
minimum elong	6203 Jun 12 06:07	23°  52'47	0°26'54	superior conj	6204 May 25 19:00	7°  44'52	-0°57'43
asc. node	6203 Jun 14 20:54	29°  20'04		minimum elong	6204 May 25 22:18	7°  31'19	0°57'08
	6203 Jun 15 04:31	0° 		asc. node	6204 May 31 17:57	19°  21'33	
evening rise	6203 Jun 19 17:34	9°  31'53		evening rise	6204 Jun 02 22:49	23°  46'32	
	6203 Jun 30 13:39	0° 			6204 Jun 06 01:31	0° 	
evening max el	6203 Jul 09 00:24	11°  00'45	21°03'49	evening max el	6204 Jun 20 09:27	22°  41'02	19°49'16
retrograde	6203 Jul 20 19:23	16°  49'57		retrograde	6204 Jun 30 11:41	27°  41'13	
desc. node	6203 Jul 20 15:24	16°  49'53		evening set	6204 Jul 02 08:58	27°  40'135	
evening set	6203 Jul 23 01:04	16°  38'11		desc. node	6204 Jul 06 12:24	25°  40'26	
inferior conj	6203 Aug 01 08:40	12°  40'31	-3°22'30	inferior conj	6204 Jul 11 06:57	22°  59'56	-1°26'20
minimum elong	6203 Aug 01 00:00	12°  52'42	3°19'48	minimum elong	6204 Jul 11 02:57	23°  40'04	1°24'52
min. Earth dist.	6203 Aug 01 21:04	12°  23'02	0.54759 AU	min. Earth dist.	6204 Jul 13 09:20	21°  42'37	0.55320 AU
morning rise	6203 Aug 09 23:19	8°  43'47		morning rise	6204 Jul 19 18:55	18°  35'36	
direct	6203 Aug 13 15:42	8°  41'40		direct	6204 Jul 24 05:19	17°  42'19	
morning max el	6203 Aug 26 11:54	14°  21'27	22°42'26	morning max el	6204 Aug 07 01:44	24°  43'52	24°27'10
	6203 Sep 07 10:50	0° 			6204 Aug 11 22:44	0° 	
asc. node	6203 Sep 10 20:11	5°  57'22		asc. node	6204 Aug 27 17:13	25°  41'05	
morning set	6203 Sep 17 20:12	19°  45'08			6204 Aug 30 01:12	0° 	
	6203 Sep 22 13:40	0° 		morning set	6204 Sep 01 07:57	4°  46'12	
superior conj	6203 Sep 24 21:44	5°  00'04	1°41'27	superior conj	6204 Sep 08 06:09	19°  47'39	1°34'26
minimum elong	6203 Sep 24 20:57	4°  55'55	1°41'26	minimum elong	6204 Sep 08 04:26	19°  48'21	1°34'18
max. Earth dist.	6203 Sep 28 01:23	11°  38'19	1.33960 AU	max. Earth dist.	6204 Sep 10 03:13	23°  45'00	1.32812 AU
evening rise	6203 Oct 02 18:33	21°  40'39			6204 Sep 13 00:19	0° 	
	6203 Oct 07 09:58	0° 		evening rise	6204 Sep 15 13:39	5°  41'11	
desc. node	6203 Oct 16 14:36	15°  45'26			6204 Sep 29 01:05	0° 	
	6203 Oct 26 07:32	0° 		desc. node	6204 Oct 02 11:37	5°  45'45	
evening max el	6203 Nov 06 10:18	12°  54'52	27°10'51	evening max el	6204 Oct 18 21:24	26°  45'03	27°27'47
retrograde	6203 Nov 19 19:12	20°  41'17			6204 Oct 23 14:54	0° 	
evening set	6203 Nov 26 15:36	17°  43'27		retrograde	6204 Nov 01 13:47	3°  42'20	
min. Earth dist.	6203 Nov 30 12:51	13°  52'50	0.65049 AU	evening set	6204 Nov 08 16:44	0°  48'36	
inferior conj	6203 Dec 02 17:15	11°  47'37	-1°42'36		6204 Nov 09 18:16	30°  R 	
minimum elong	6203 Dec 02 20:16	11°  19'15	1°41'20	min. Earth dist.	6204 Nov 12 09:16	27°  43'51	0.63393 AU
asc. node	6203 Dec 07 19:29	6°  39'02		inferior conj	6204 Nov 15 01:20	24°  58'52	-2°48'04
morning rise	6203 Dec 09 02:07	5°  55'45		minimum elong	6204 Nov 15 06:22	24°  46'17	2°46'12
direct	6203 Dec 11 17:38	5°  48'38		morning rise	6204 Nov 21 21:41	19°  43'15	

asc. node	6204 Nov 23 16:30	19°♍17'25		minimum elong	6205 Oct 29 03:19	7°♍52'26	3°50'03
direct	6204 Nov 24 07:21	19°♍15'33		morning rise	6205 Nov 05 05:07	3°♍10'28	
morning max el	6204 Nov 30 21:40	22°♍40'27	17°49'17	direct	6205 Nov 07 11:54	2°♍48'42	
	6204 Dec 06 15:09	0°♌		asc. node	6205 Nov 10 13:31	3°♍29'34	
morning set	6204 Dec 17 06:31	17°♌49'04		morning max el	6205 Nov 14 12:59	6°♍21'23	17°54'51
	6204 Dec 24 08:24	0°♋			6205 Nov 29 16:38	0°♌	
				morning set	6205 Nov 30 06:45	1°♌04'20	
superior conj	6204 Dec 29 11:35	8°♋35'07	-0°00'14				
minimum elong	6204 Dec 29 11:34	8°♋35'03	0°00'11	superior conj	6205 Dec 10 18:38	19°♌52'05	0°39'19
behind sun begin	6204 Dec 29 02:05	7°♋55'54		minimum elong	6205 Dec 10 21:47	20°♌05'44	0°38'53
behind sun end	6204 Dec 29 21:03	9°♋14'07		desc. node	6205 Dec 16 07:51	29°♌18'25	
desc. node	6204 Dec 29 10:50	8°♋31'58			6205 Dec 16 17:51	0°♋	
max. Earth dist.	6205 Jan 04 16:09	18°♋37'57	1.44242 AU	max. Earth dist.	6205 Dec 18 05:38	2°♋27'51	1.42715 AU
	6205 Jan 11 21:34	0°♊		evening rise	6205 Dec 24 16:20	12°♋49'54	
evening rise	6205 Jan 13 23:00	3°♊10'56			6206 Jan 04 22:35	0°♊	
	6205 Jan 31 23:38	0°♑		evening max el	6206 Jan 25 21:26	27°♊40'38	22°04'18
evening max el	6205 Feb 12 02:04	14°♑03'30	20°49'57		6206 Jan 28 09:15	0°♑	
asc. node	6205 Feb 19 15:45	18°♑55'34		retrograde	6206 Feb 04 07:29	3°♑16'18	
retrograde	6205 Feb 20 10:22	18°♑58'45		asc. node	6206 Feb 06 12:46	2°♑50'29	
evening set	6205 Feb 24 11:36	17°♑25'12		evening set	6206 Feb 08 19:23	1°♑27'30	
inferior conj	6205 Mar 01 19:35	11°♑14'15	2°51'37		6206 Feb 10 08:13	30°♑	
minimum elong	6205 Mar 01 17:21	11°♑21'56	2°51'07	inferior conj	6206 Feb 14 03:31	25°♑07'25	2°18'43
min. Earth dist.	6205 Mar 02 07:26	10°♑33'23	0.67827 AU	minimum elong	6206 Feb 14 01:10	25°♑15'33	2°18'02
morning rise	6205 Mar 06 22:54	5°♑00'09		min. Earth dist.	6206 Feb 14 03:12	25°♑08'30	0.68185 AU
direct	6205 Mar 12 09:10	2°♑35'49		morning rise	6206 Feb 19 06:48	18°♑56'32	
morning max el	6205 Mar 23 06:29	9°♑05'54	23°55'25	direct	6206 Feb 24 02:43	16°♑53'17	
desc. node	6205 Mar 27 10:08	13°♑40'02		morning max el	6206 Mar 05 17:04	22°♑32'40	22°26'18
	6205 Apr 08 17:20	0°♑			6206 Mar 12 04:32	0°♑	
morning set	6205 Apr 27 19:14	0°♏06'11		desc. node	6206 Mar 14 07:09	2°♑43'23	
	6205 Apr 27 17:48	0°♏			6206 Apr 02 01:26	0°♑	
max. Earth dist.	6205 May 01 14:01	6°♏42'28	1.38404 AU	morning set	6206 Apr 08 10:19	10°♑10'02	
				max. Earth dist.	6206 Apr 13 10:31	18°♑29'31	1.40618 AU
superior conj	6205 May 08 20:52	20°♏05'33	-1°27'04		6206 Apr 20 01:30	0°♏	
minimum elong	6205 May 09 01:43	20°♏28'36	1°26'25				
	6205 May 14 00:06	0°♏		superior conj	6206 Apr 21 05:54	2°♏07'02	-1°51'56
evening rise	6205 May 17 21:13	7°♏36'53		minimum elong	6206 Apr 21 11:04	2°♏30'18	1°51'30
asc. node	6205 May 18 14:59	9°♏03'48		evening rise	6206 May 01 09:30	20°♏54'51	
	6205 May 30 16:39	0°♏		asc. node	6206 May 05 12:01	28°♏34'12	
evening max el	6205 Jun 03 06:34	4°♏10'30	18°54'52		6206 May 06 06:49	0°♏	
retrograde	6205 Jun 11 18:24	8°♏21'00		evening max el	6206 May 17 12:38	16°♏43'44	18°20'52
evening set	6205 Jun 13 19:04	8°♏07'39		retrograde	6206 May 24 20:09	20°♏22'23	
inferior conj	6205 Jun 21 22:27	3°♏50'52	0°25'49	evening set	6206 May 27 03:57	20°♏01'13	
minimum elong	6205 Jun 21 23:28	3°♏49'03	0°25'24	inferior conj	6206 Jun 03 11:35	15°♏24'13	1°52'18
desc. node	6205 Jun 23 09:25	2°♏48'26		minimum elong	6206 Jun 03 14:48	15°♏17'30	1°51'18
min. Earth dist.	6205 Jun 25 01:09	1°♏38'59	0.56744 AU	min. Earth dist.	6206 Jun 06 21:51	12°♏34'30	0.58747 AU
	6205 Jun 27 16:01	30°♏♏		desc. node	6206 Jun 10 06:26	10°♏13'51	
morning rise	6205 Jun 30 00:28	28°♏49'58		morning rise	6206 Jun 10 22:32	9°♏51'08	
direct	6205 Jul 05 08:49	27°♏41'30		direct	6206 Jun 17 02:26	8°♏10'00	
	6205 Jul 13 02:26	0°♏		morning max el	6206 Jul 01 11:40	15°♏55'52	27°13'54
morning max el	6205 Jul 19 16:08	5°♏06'41	26°02'50		6206 Jul 12 22:58	0°♏	
	6205 Aug 06 18:12	0°♏			6206 Jul 30 02:53	0°♏	
asc. node	6205 Aug 14 14:14	14°♏58'32		morning set	6206 Aug 01 03:46	4°♏13'10	
morning set	6205 Aug 16 19:00	19°♏34'12		asc. node	6206 Aug 01 11:17	4°♏52'45	
	6205 Aug 21 14:20	0°♏					
superior conj	6205 Aug 23 17:11	4°♏40'33	1°22'04	superior conj	6206 Aug 08 05:01	19°♏32'41	1°04'54
minimum elong	6205 Aug 23 14:59	4°♏28'22	1°21'45	minimum elong	6206 Aug 08 02:47	19°♏20'17	1°04'29
max. Earth dist.	6205 Aug 24 11:09	6°♏19'38	1.32105 AU	max. Earth dist.	6206 Aug 07 21:58	18°♏53'40	1.31837 AU
evening rise	6205 Aug 30 16:22	19°♏44'08			6206 Aug 12 23:03	0°♏	
	6205 Sep 04 18:51	0°♏		evening rise	6206 Aug 15 00:14	4°♏23'58	
desc. node	6205 Sep 19 08:38	24°♏28'46			6206 Aug 28 13:15	0°♏	
	6205 Sep 23 10:35	0°♏		desc. node	6206 Sep 06 05:40	12°♏39'27	
evening max el	6205 Oct 01 04:36	8°♏39'35	27°13'08	evening max el	6206 Sep 13 05:24	20°♏27'58	26°24'48
retrograde	6205 Oct 15 01:15	15°♏52'14		retrograde	6206 Sep 27 03:56	27°♏35'08	
evening set	6205 Oct 22 03:34	13°♏35'05		evening set	6206 Oct 03 19:26	25°♏46'20	
min. Earth dist.	6205 Oct 25 19:17	10°♏49'28	0.61466 AU	min. Earth dist.	6206 Oct 07 18:53	23°♏11'31	0.59398 AU
inferior conj	6205 Oct 28 20:51	8°♏06'48	-3°52'00	inferior conj	6206 Oct 11 00:19	20°♏42'16	-4°46'52
				minimum elong	6206 Oct 11 06:27	20°♏30'22	4°45'40


































































































































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direct	6206 Oct 21 03:17	15°♄49'01		morning rise	6207 Sep 30 12:36	28°♄24'26	
asc. node	6206 Oct 28 10:33	19°♄08'39		direct	6207 Oct 03 01:12	28°♄05'48	
morning max el	6206 Oct 28 23:06	19°♄38'02	18°20'07		6207 Oct 09 01:41	0°♄	
	6206 Nov 05 15:33	0°♄		morning max el	6207 Oct 12 00:39	2°♄20'59	19°06'44
morning set	6206 Nov 13 20:39	14°♄58'01		asc. node	6207 Oct 15 07:36	6°♄00'30	
	6206 Nov 21 19:30	0°♄		morning set	6207 Oct 28 20:01	29°♄18'20	
					6207 Oct 29 04:25	0°♄	
superior conj	6206 Nov 23 01:14	2°♄16'48	1°09'07	superior conj	6207 Nov 06 02:14	15°♄35'21	1°28'54
minimum elong	6206 Nov 23 04:57	2°♄33'50	1°08'41	minimum elong	6207 Nov 06 05:02	15°♄48'52	1°28'41
max. Earth dist.	6206 Nov 30 14:29	15°♄39'56	1.40772 AU	max. Earth dist.	6207 Nov 12 20:14	28°♄11'39	1.38645 AU
desc. node	6206 Dec 03 04:51	20°♄03'50			6207 Nov 13 20:24	0°♄	
evening rise	6206 Dec 05 04:25	23°♄21'01		evening rise	6207 Nov 16 15:12	4°♄53'32	
	6206 Dec 09 07:14	0°♄		desc. node	6207 Nov 20 01:54	10°♄44'56	
	6206 Dec 29 21:41	0°♄			6207 Dec 02 08:56	0°♄	
evening max el	6207 Jan 08 12:50	11°♄20'43	23°23'54	evening max el	6207 Dec 22 02:05	25°♄04'34	24°42'30
retrograde	6207 Jan 19 01:46	17°♄34'32			6207 Dec 28 02:50	0°♄	
evening set	6207 Jan 24 01:49	15°♄30'22		retrograde	6208 Jan 02 16:16	1°♄49'53	
asc. node	6207 Jan 24 09:49	15°♄12'58			6208 Jan 07 15:05	30°♄03'11	
inferior conj	6207 Jan 29 11:40	9°♄04'46	1°37'42	evening set	6208 Jan 08 05:25	29°♄31'12	
minimum elong	6207 Jan 29 09:41	9°♄11'34	1°37'01	asc. node	6208 Jan 11 06:51	26°♄17'11	
min. Earth dist.	6207 Jan 28 23:57	9°♄45'00	0.68154 AU	min. Earth dist.	6208 Jan 12 19:25	24°♄20'00	0.67749 AU
morning rise	6207 Feb 03 17:28	2°♄58'41		inferior conj	6208 Jan 13 18:16	23°♄04'12	0°49'24
direct	6207 Feb 07 23:19	1°♄18'16		minimum elong	6208 Jan 13 17:07	23°♄08'03	0°48'58
morning max el	6207 Feb 16 09:08	6°♄09'11	21°03'31	morning rise	6208 Jan 19 04:59	17°♄04'44	
desc. node	6207 Mar 01 04:09	22°♄20'30		direct	6208 Jan 22 21:47	15°♄46'11	
	6207 Mar 06 10:57	0°♄		morning max el	6208 Jan 30 09:08	19°♄58'34	19°52'40
morning set	6207 Mar 18 21:46	18°♄57'20			6208 Feb 07 12:52	0°♄	
	6207 Mar 25 19:51	0°♄		greatest brilliancy	6208 Feb 12 14:09	7°♄14'23	-0.6m
max. Earth dist.	6207 Mar 26 13:41	1°♄12'36	1.42645 AU	desc. node	6208 Feb 16 01:10	12°♄22'36	
				morning set	6208 Feb 25 18:28	27°♄10'26	
superior conj	6207 Apr 02 17:06	13°♄06'59	-2°07'34		6208 Feb 27 14:22	0°♄	
minimum elong	6207 Apr 02 19:53	13°♄18'53	2°07'29	max. Earth dist.	6208 Mar 08 00:29	14°♄46'48	1.44220 AU
	6207 Apr 12 08:38	0°♄		superior conj	6208 Mar 13 03:04	22°♄59'30	-2°08'07
evening rise	6207 Apr 14 07:30	3°♄30'02		minimum elong	6208 Mar 13 00:03	22°♄47'16	2°08'02
asc. node	6207 Apr 22 09:04	17°♄42'17			6208 Mar 17 09:42	0°♄	
evening max el	6207 Apr 30 23:50	29°♄43'01	18°06'39	evening rise	6208 Mar 26 10:48	15°♄13'45	
	6207 May 01 06:51	0°♄			6208 Apr 04 04:31	0°♄	
retrograde	6207 May 07 15:00	3°♄06'25		asc. node	6208 Apr 08 06:07	6°♄20'53	
evening set	6207 May 10 05:53	2°♄34'45		evening max el	6208 Apr 13 12:51	12°♄59'49	18°11'35
	6207 May 14 06:23	30°♄08'00		retrograde	6208 Apr 19 22:29	16°♄22'54	
inferior conj	6207 May 16 20:46	27°♄37'05	2°48'48	evening set	6208 Apr 22 19:55	15°♄39'15	
minimum elong	6207 May 16 23:45	27°♄29'53	2°48'08	inferior conj	6208 Apr 28 22:07	10°♄22'20	3°19'20
min. Earth dist.	6207 May 20 01:34	24°♄33'20	0.60966 AU	minimum elong	6208 Apr 28 23:45	10°♄17'52	3°19'07
morning rise	6207 May 23 15:26	21°♄41'37		min. Earth dist.	6208 May 01 14:20	7°♄27'58	0.63100 AU
desc. node	6207 May 28 03:28	19°♄42'26		morning rise	6208 May 05 02:19	4°♄14'01	
direct	6207 May 30 07:29	19°♄28'35		direct	6208 May 11 22:02	1°♄37'10	
morning max el	6207 Jun 13 13:48	27°♄25'57	27°50'07	desc. node	6208 May 14 00:29	1°♄50'44	
	6207 Jun 16 00:35	0°♄		morning max el	6208 May 25 21:18	9°♄38'20	27°48'23
	6207 Jul 06 15:36	0°♄			6208 Jun 10 17:37	0°♄	
morning set	6207 Jul 16 08:23	18°♄37'18		morning set	6208 Jun 27 22:29	0°♄	
asc. node	6207 Jul 19 08:19	24°♄55'15		max. Earth dist.	6208 Jun 29 06:41	2°♄40'12	
	6207 Jul 21 16:46	0°♄		asc. node	6208 Jul 04 12:59	13°♄34'25	1.32600 AU
max. Earth dist.	6207 Jul 22 07:56	1°♄22'44	1.31998 AU		6208 Jul 05 05:22	15°♄01'47	
				superior conj	6208 Jul 06 23:56	18°♄50'54	0°18'16
superior conj	6207 Jul 23 15:53	4°♄17'59	0°43'27	minimum elong	6208 Jul 06 23:04	18°♄46'14	0°18'03
minimum elong	6207 Jul 23 14:05	4°♄08'07	0°43'04		6208 Jul 12 03:09	0°♄	
evening rise	6207 Jul 30 11:02	19°♄09'29		evening rise	6208 Jul 13 22:50	3°♄54'29	
	6207 Aug 04 17:36	0°♄			6208 Jul 27 23:12	0°♄	
desc. node	6207 Aug 24 02:42	29°♄36'57		evening max el	6208 Aug 06 10:29	11°♄50'38	23°31'27
	6207 Aug 24 11:31	0°♄		desc. node	6208 Aug 09 23:45	14°♄52'48	
evening max el	6207 Aug 25 22:25	1°♄26'59	25°06'57	retrograde	6208 Aug 20 00:19	18°♄39'09	
retrograde	6207 Sep 08 20:05	8°♄28'31		evening set	6208 Aug 24 04:44	18°♄00'44	
evening set	6207 Sep 14 11:45	7°♄15'47		min. Earth dist.	6208 Aug 30 20:11	14°♄53'42	0.55780 AU
min. Earth dist.	6207 Sep 19 09:52	4°♄33'52	0.57400 AU				
inferior conj	6207 Sep 22 08:33	2°♄35'42	-5°20'16				
minimum elong	6207 Sep 22 11:03	2°♄31'31	5°20'07				

inferior conj	6208 Sep 01 20:37	13° \mathbb{M} 41'47	-5°15'07	desc. node	6209 Jul 27 20:47	27° Ω 53'58	
minimum elong	6208 Sep 01 16:27	13° \mathbb{M} 48'00	5°14'44	retrograde	6209 Jul 31 17:16	28° Ω 28'55	
morning rise	6208 Sep 10 06:33	9° \mathbb{M} 48'27		evening set	6209 Aug 03 11:29	28° Ω 11'53	
direct	6208 Sep 13 03:24	9° \mathbb{M} 28'13		min. Earth dist.	6209 Aug 12 05:53	24° Ω 25'54	0.54866 AU
morning max el	6208 Sep 23 14:42	14° \mathbb{M} 20'51	20°15'28	inferior conj	6209 Aug 12 17:29	24° Ω 09'37	-4°17'52
asc. node	6208 Oct 01 04:39	23° \mathbb{M} 49'23		minimum elong	6209 Aug 12 08:34	24° Ω 22'09	4°15'41
	6208 Oct 04 21:21	0° $\underline{\mathbf{A}}$		morning rise	6209 Aug 21 07:06	20° Ω 19'31	
morning set	6208 Oct 12 01:36	13° $\underline{\mathbf{A}}$ 55'18		direct	6209 Aug 24 15:04	19° Ω 55'03	
				morning max el	6209 Sep 05 16:31	25° Ω 34'38	21°44'23
superior conj	6208 Oct 19 16:33	29° $\underline{\mathbf{A}}$ 32'21	1°39'42		6209 Sep 09 19:08	0° \mathbb{M}	
minimum elong	6208 Oct 19 17:54	29° $\underline{\mathbf{A}}$ 39'11	1°39'41	asc. node	6209 Sep 18 01:41	12° \mathbb{M} 22'23	
	6208 Oct 19 22:02	0° \mathbb{M}		morning set	6209 Sep 26 11:02	28° \mathbb{M} 42'30	
max. Earth dist.	6208 Oct 25 02:34	10° \mathbb{M} 11'37	1.36586 AU		6209 Sep 27 01:51	0° $\underline{\mathbf{A}}$	
evening rise	6208 Oct 28 22:46	17° \mathbb{M} 22'11					
	6208 Nov 05 04:25	0° \mathbb{M}		superior conj	6209 Oct 03 16:13	13° $\underline{\mathbf{A}}$ 56'12	1°42'46
desc. node	6208 Nov 05 22:56	1° \mathbb{M} 16'50		minimum elong	6209 Oct 03 16:08	13° $\underline{\mathbf{A}}$ 55'49	1°42'47
	6208 Nov 25 17:16	0° \mathbb{M}		max. Earth dist.	6209 Oct 07 14:53	22° $\underline{\mathbf{A}}$ 03'46	1.34809 AU
evening max el	6208 Dec 03 14:43	8° \mathbb{M} 49'07	25°53'14	evening rise	6209 Oct 11 23:16	0° \mathbb{M} 37'30	
retrograde	6208 Dec 16 02:07	15° \mathbb{M} 56'07			6209 Oct 11 15:27	0° \mathbb{M}	
evening set	6208 Dec 22 04:27	13° \mathbb{M} 25'33		desc. node	6209 Oct 23 19:59	21° \mathbb{M} 34'24	
min. Earth dist.	6208 Dec 26 11:23	8° \mathbb{M} 49'02	0.66979 AU		6209 Oct 29 05:52	0° \mathbb{M}	
inferior conj	6208 Dec 27 21:27	7° \mathbb{M} 01'58	-0°05'27	evening max el	6209 Nov 16 03:37	22° \mathbb{M} 29'12	26°48'42
minimum elong	6208 Dec 27 21:35	7° \mathbb{M} 01'31	0°05'22	retrograde	6209 Nov 29 06:37	29° \mathbb{M} 46'31	
transit middle	6208 Dec 27 21:35	7° \mathbb{M} 01'31	0°05'22	evening set	6209 Dec 05 20:59	27° \mathbb{M} 08'52	
transit begin	6208 Dec 27 18:55	7° \mathbb{M} 09'56		min. Earth dist.	6209 Dec 09 21:33	23° \mathbb{M} 07'14	0.65852 AU
transit end	6208 Dec 28 00:16	6° \mathbb{M} 53'07		inferior conj	6209 Dec 11 19:09	20° \mathbb{M} 54'05	-1°05'53
asc. node	6208 Dec 28 03:54	6° \mathbb{M} 41'43		minimum elong	6209 Dec 11 21:02	20° \mathbb{M} 48'37	1°05'03
morning rise	6209 Jan 02 15:15	1° \mathbb{M} 11'05		asc. node	6209 Dec 15 00:55	17° \mathbb{M} 22'53	
direct	6209 Jan 05 20:34	0° \mathbb{M} 11'41		morning rise	6209 Dec 17 22:01	15° \mathbb{M} 14'18	
morning max el	6209 Jan 12 16:48	3° \mathbb{M} 57'32	18°56'41	direct	6209 Dec 20 17:52	14° \mathbb{M} 30'13	
	6209 Jan 31 04:28	0° \approx		morning max el	6209 Dec 27 06:15	18° \mathbb{M} 00'40	18°16'58
desc. node	6209 Feb 01 22:11	2° \approx 42'25			6210 Jan 05 06:29	0° \mathbb{M}	
morning set	6209 Feb 04 01:00	6° \approx 00'31		morning set	6210 Jan 15 10:51	16° \mathbb{M} 15'01	
max. Earth dist.	6209 Feb 18 16:31	28° \approx 54'23	1.45162 AU	desc. node	6210 Jan 19 19:12	23° \mathbb{M} 14'56	
	6209 Feb 19 09:13	0° \mathbb{M}			6210 Jan 24 00:42	0° \approx	
superior conj	6209 Feb 20 14:46	1° \mathbb{M} 56'13	-1°49'05	superior conj	6210 Jan 30 18:25	10° \approx 38'34	-1°12'02
minimum elong	6209 Feb 20 06:00	1° \mathbb{M} 21'42	1°48'23	minimum elong	6210 Jan 30 10:00	10° \approx 05'30	1°11'00
evening rise	6209 Mar 07 15:32	25° \mathbb{M} 59'33		max. Earth dist.	6210 Feb 01 11:27	13° \approx 19'29	1.45382 AU
	6209 Mar 10 02:37	0° \mathbb{M}			6210 Feb 12 03:27	0° \mathbb{M}	
asc. node	6209 Mar 26 03:08	24° \mathbb{M} 20'42		evening rise	6210 Feb 15 21:24	5° \mathbb{M} 51'37	
evening max el	6209 Mar 28 00:49	26° \mathbb{M} 27'00	18°34'59	greatest brilliancy	6210 Feb 27 03:36	23° \mathbb{M} 22'45	-0.8m
	6209 Apr 02 21:14	0° \mathbb{M}			6210 Mar 03 13:55	0° \mathbb{M}	
retrograde	6209 Apr 03 14:07	0° \mathbb{M} 02'46		evening max el	6210 Mar 11 09:31	9° \mathbb{M} 59'38	19°15'40
	6209 Apr 04 06:54	30° \mathbb{M}		asc. node	6210 Mar 13 00:10	11° \mathbb{M} 30'07	
evening set	6209 Apr 06 18:09	29° \mathbb{M} 06'09		retrograde	6210 Mar 18 10:18	13° \mathbb{M} 59'13	
inferior conj	6209 Apr 12 11:31	23° \mathbb{M} 31'46	3°29'33	evening set	6210 Mar 21 21:41	12° \mathbb{M} 48'46	
minimum elong	6209 Apr 12 11:38	23° \mathbb{M} 31'25	3°29'31	inferior conj	6210 Mar 27 09:26	6° \mathbb{M} 58'36	3°24'08
min. Earth dist.	6209 Apr 14 12:32	21° \mathbb{M} 04'40	0.64947 AU	minimum elong	6210 Mar 27 08:18	7° \mathbb{M} 02'16	3°24'02
morning rise	6209 Apr 18 04:27	17° \mathbb{M} 17'34		min. Earth dist.	6210 Mar 28 19:08	5° \mathbb{M} 09'47	0.66409 AU
direct	6209 Apr 24 20:30	14° \mathbb{M} 29'16		morning rise	6210 Apr 01 18:34	0° \mathbb{M} 42'48	
desc. node	6209 Apr 30 21:31	16° \mathbb{M} 21'39			6210 Apr 02 15:01	30° \mathbb{M}	
morning max el	6209 May 08 07:19	22° \mathbb{M} 23'32	27°11'56	direct	6210 Apr 08 01:33	27° \mathbb{M} 55'59	
	6209 May 14 23:45	0° \mathbb{M}			6210 Apr 14 04:12	0° \mathbb{M}	
	6209 Jun 03 23:26	0° \mathbb{M}		desc. node	6210 Apr 17 18:31	2° \mathbb{M} 42'10	
morning set	6209 Jun 12 19:51	16° \mathbb{M} 13'38		morning max el	6210 Apr 20 17:10	5° \mathbb{M} 28'35	26°08'01
max. Earth dist.	6209 Jun 17 09:14	25° \mathbb{M} 18'19	1.33664 AU		6210 May 09 13:21	0° \mathbb{M}	
	6209 Jun 19 15:48	0° \mathbb{M}		morning set	6210 May 26 20:03	29° \mathbb{M} 05'42	
					6210 May 27 07:43	0° \mathbb{M}	
superior conj	6209 Jun 21 03:10	3° \mathbb{M} 05'30	-0°09'57	max. Earth dist.	6210 May 30 18:03	6° \mathbb{M} 31'54	1.35205 AU
minimum elong	6209 Jun 21 03:41	3° \mathbb{M} 08'15	0°09'53				
behind sun begin	6209 Jun 20 23:16	2° \mathbb{M} 44'58		superior conj	6210 Jun 04 23:02	16° \mathbb{M} 53'46	-0°40'06
behind sun end	6209 Jun 21 08:07	3° \mathbb{M} 31'34		minimum elong	6210 Jun 05 01:18	17° \mathbb{M} 05'16	0°39'41
asc. node	6209 Jun 22 02:24	5° \mathbb{M} 08'19		asc. node	6210 Jun 08 23:25	25° \mathbb{M} 10'05	
evening rise	6209 Jun 28 09:45	18° \mathbb{M} 33'02			6210 Jun 11 07:15	0° \mathbb{M}	
	6209 Jul 04 01:29	0° Ω		evening rise	6210 Jun 12 17:40	2° \mathbb{M} 57'52	
evening max el	6209 Jul 19 01:44	22° Ω 12'28	21°54'44		6210 Jun 28 09:09	0° Ω	

evening max el	6210 Jul 01 03:31	3°♎02'26	20°29'54	evening rise	6211 May 27 20:20	17°♐03'07	
retrograde	6210 Jul 12 05:36	8°♎29'16			6211 Jun 03 13:51	0°♑	
evening set	6210 Jul 14 05:39	8°♎19'22		evening max el	6211 Jun 13 17:59	14°♑34'19	19°23'36
desc. node	6210 Jul 14 17:48	8°♎13'51		retrograde	6211 Jun 23 02:38	19°♑09'48	
inferior conj	6210 Jul 23 10:55	4°♎22'18	-2°34'54	evening set	6211 Jun 25 00:43	18°♑59'03	
minimum elong	6210 Jul 23 03:49	4°♎32'34	2°32'26	desc. node	6211 Jul 01 14:48	16°♑08'55	
min. Earth dist.	6210 Jul 24 16:49	3°♎39'04	0.54880 AU	inferior conj	6211 Jul 03 15:20	14°♑51'50	-0°36'31
morning rise	6210 Aug 01 01:12	0°♎15'38		minimum elong	6211 Jul 03 13:43	14°♑54'28	0°35'56
	6210 Aug 02 02:46	30°♑♑		min. Earth dist.	6211 Jul 06 06:06	13°♑10'14	0.55841 AU
direct	6210 Aug 05 00:47	29°♑41'27		morning rise	6211 Jul 11 23:59	10°♑12'39	
	6210 Aug 07 21:49	0°♎		direct	6211 Jul 16 19:51	9°♑19'51	
morning max el	6210 Aug 18 08:48	6°♎08'50	23°26'52	morning max el	6211 Jul 30 21:50	16°♑26'30	25°09'57
	6210 Sep 04 04:02	0°♐			6211 Aug 10 21:53	0°♎	
asc. node	6210 Sep 04 22:42	1°♐28'04		asc. node	6211 Aug 22 19:44	20°♎57'54	
morning set	6210 Sep 10 22:24	13°♐33'54		morning set	6211 Aug 26 10:02	28°♎24'37	
					6211 Aug 27 03:56	0°♐	
superior conj	6210 Sep 17 22:06	28°♐36'59	1°39'10	superior conj	6211 Sep 02 07:51	13°♐27'14	1°29'48
minimum elong	6210 Sep 17 20:53	28°♐30'24	1°39'06	minimum elong	6211 Sep 02 05:52	13°♐16'24	1°29'35
	6210 Sep 18 13:33	0°♑		max. Earth dist.	6211 Sep 03 17:02	16°♐28'47	1.32464 AU
max. Earth dist.	6210 Sep 20 12:03	4°♑07'49	1.33424 AU	evening rise	6211 Sep 09 11:16	28°♐44'17	
evening rise	6210 Sep 25 12:35	14°♑28'09			6211 Sep 10 02:02	0°♑	
	6210 Oct 03 19:01	0°♐			6211 Sep 26 22:56	0°♐	
desc. node	6210 Oct 10 17:01	11°♐30'41		desc. node	6211 Sep 27 14:02	0°♐56'38	
	6210 Oct 24 03:01	0°♑		evening max el	6211 Oct 12 02:04	18°♐51'49	27°25'39
evening max el	6210 Oct 29 16:07	5°♑54'36	27°21'40	retrograde	6211 Oct 25 20:17	26°♐06'23	
retrograde	6210 Nov 12 04:54	13°♑12'55		evening set	6211 Nov 02 00:06	23°♐38'29	
evening set	6210 Nov 19 04:34	10°♑35'24		min. Earth dist.	6211 Nov 05 15:45	20°♐40'13	0.62605 AU
min. Earth dist.	6210 Nov 22 23:41	7°♑07'33	0.64382 AU	inferior conj	6211 Nov 08 12:10	17°♐57'43	-3°15'45
inferior conj	6210 Nov 25 09:01	4°♑35'06	-2°10'17	minimum elong	6211 Nov 08 17:56	17°♐43'58	3°13'45
minimum elong	6210 Nov 25 12:54	4°♑24'45	2°08'42	morning rise	6211 Nov 15 13:35	12°♐49'42	
	6210 Nov 30 09:26	30°♐♐		direct	6211 Nov 17 21:45	12°♐24'47	
morning rise	6210 Dec 01 22:37	29°♐09'25		asc. node	6211 Nov 18 19:00	12°♐28'27	
asc. node	6210 Dec 01 21:57	29°♐10'08		morning max el	6211 Nov 24 15:31	15°♐51'45	17°49'19
direct	6210 Dec 04 11:17	28°♐36'45			6211 Dec 04 13:11	0°♑	
	6210 Dec 08 12:45	0°♑		morning set	6211 Dec 10 15:37	10°♑41'59	
morning max el	6210 Dec 10 22:49	2°♑01'13	17°54'18		6211 Dec 21 17:56	0°♑	
morning set	6210 Dec 28 01:41	27°♑55'26					
	6210 Dec 29 07:12	0°♑		superior conj	6211 Dec 22 01:56	0°♑33'44	0°17'39
desc. node	6211 Jan 06 16:14	13°♑56'01		minimum elong	6211 Dec 22 03:37	0°♑40'50	0°17'26
				desc. node	6211 Dec 24 13:14	4°♑41'30	
superior conj	6211 Jan 10 09:59	20°♑00'17	-0°26'13	max. Earth dist.	6211 Dec 28 23:26	11°♑55'56	1.43660 AU
minimum elong	6211 Jan 10 06:55	19°♑47'54	0°25'44	evening rise	6212 Jan 05 22:49	24°♑32'28	
max. Earth dist.	6211 Jan 15 06:44	27°♑46'10	1.44859 AU		6212 Jan 09 12:00	0°♑	
	6211 Jan 16 16:39	0°♑			6212 Jan 30 08:31	0°♑	
evening rise	6211 Jan 26 11:13	15°♑11'15		evening max el	6212 Feb 05 11:46	7°♑11'23	21°20'34
	6211 Feb 05 04:59	0°♑		retrograde	6212 Feb 14 06:27	12°♑23'22	
greatest brilliancy	6211 Feb 10 05:31	7°♑27'20	-0.6m	asc. node	6212 Feb 14 18:14	12°♑22'05	
evening max el	6211 Feb 22 13:25	23°♑35'12	20°11'48	evening set	6212 Feb 18 12:10	10°♑43'08	
asc. node	6211 Feb 27 21:11	27°♑35'47		inferior conj	6212 Feb 23 20:00	4°♑27'53	2°38'41
retrograde	6211 Mar 02 08:27	28°♑07'48		minimum elong	6212 Feb 23 17:40	4°♑35'59	2°38'05
evening set	6211 Mar 06 04:19	26°♑42'46		min. Earth dist.	6212 Feb 24 02:28	4°♑05'26	0.68034 AU
inferior conj	6211 Mar 11 13:03	20°♑38'47	3°06'27		6212 Feb 27 06:00	30°♑♑	
minimum elong	6211 Mar 11 11:05	20°♑45'25	3°06'06	morning rise	6212 Feb 28 23:00	28°♑15'15	
min. Earth dist.	6211 Mar 12 08:28	19°♑33'01	0.67439 AU	direct	6212 Mar 05 03:11	25°♑59'40	
morning rise	6211 Mar 16 17:39	14°♑23'48			6212 Mar 13 04:58	0°♑	
direct	6211 Mar 22 12:05	11°♑49'09		morning max el	6212 Mar 15 11:12	2°♑07'53	23°17'13
morning max el	6211 Apr 03 02:01	18°♑44'50	24°46'22	desc. node	6212 Mar 21 12:32	9°♑00'59	
desc. node	6211 Apr 04 15:31	20°♑23'01			6212 Apr 05 14:50	0°♑	
	6211 Apr 12 14:06	0°♑		morning set	6212 Apr 19 09:26	21°♑52'38	
	6211 May 02 15:28	0°♑		max. Earth dist.	6212 Apr 23 13:02	28°♑58'06	1.39357 AU
morning set	6211 May 09 02:31	11°♑03'45			6212 Apr 24 03:14	0°♑	
max. Earth dist.	6211 May 12 17:14	17°♑34'15	1.37164 AU				
				superior conj	6212 May 01 03:49	12°♑39'19	-1°38'25
superior conj	6211 May 19 08:33	0°♐08'23	-1°10'28	minimum elong	6212 May 01 09:02	13°♑03'33	1°37'50
minimum elong	6211 May 19 12:36	0°♐28'06	1°09'50		6212 May 10 06:23	0°♐	
	6211 May 19 06:50	0°♐		evening rise	6212 May 10 14:52	0°♐40'53	
asc. node	6211 May 26 20:26	15°♐03'24					

asc. node	6212 May 12 17:28	4° Π 43'39		evening rise	6213 Apr 23 21:38	13° \mathcal{B} 42'03	
evening max el	6212 May 26 19:15	26° Π 46'51	18°37'50	asc. node	6213 Apr 29 14:31	24° \mathcal{B} 05'29	
	6212 May 31 08:52	0° \mathcal{B}			6213 May 03 01:34	0° Π	
retrograde	6212 Jun 03 17:37	0° \mathcal{B} 42'09		evening max el	6213 May 10 03:52	9° Π 32'08	18°12'25
evening set	6212 Jun 05 21:10	0° \mathcal{B} 25'52		retrograde	6213 May 17 03:15	13° Π 02'41	
	6212 Jun 07 05:34	30° \mathcal{R} Π		evening set	6213 May 19 13:58	12° Π 37'28	
inferior conj	6212 Jun 13 15:54	26° Π 00'19	1°06'14	inferior conj	6213 May 26 14:00	7° Π 51'39	2°19'49
minimum elong	6212 Jun 13 18:13	25° Π 55'53	1°05'25	minimum elong	6213 May 26 17:20	7° Π 44'13	2°18'54
min. Earth dist.	6212 Jun 16 23:33	23° Π 29'56	0.57545 AU	min. Earth dist.	6213 May 29 23:12	4° Π 52'38	0.59677 AU
desc. node	6212 Jun 17 11:47	23° Π 08'05		morning rise	6213 Jun 02 17:53	2° Π 07'20	
morning rise	6212 Jun 21 11:54	20° Π 44'39		desc. node	6213 Jun 04 08:50	1° Π 16'33	
direct	6212 Jun 27 04:59	19° Π 23'09		direct	6213 Jun 09 03:51	0° Π 11'59	
morning max el	6212 Jul 11 14:09	26° Π 58'05	26°37'03	morning max el	6213 Jun 23 12:45	8° Π 04'42	27°34'02
	6212 Jul 14 12:00	0° \mathcal{B}			6213 Jul 10 04:12	0° \mathcal{B}	
	6212 Aug 03 07:13	0° Ω		morning set	6213 Jul 25 03:36	27° \mathcal{B} 43'32	
asc. node	6212 Aug 08 16:46	10° Ω 45'09			6213 Jul 26 05:34	0° Ω	
morning set	6212 Aug 09 20:22	13° Ω 09'54		asc. node	6213 Jul 26 13:48	0° Ω 43'34	
				max. Earth dist.	6213 Jul 31 13:39	11° Ω 34'28	1.31842 AU
superior conj	6212 Aug 16 19:27	28° Ω 20'41	1°15'20	superior conj	6213 Aug 01 07:05	13° Ω 10'44	0°56'18
minimum elong	6212 Aug 16 17:10	28° Ω 08'05	1°14'59	minimum elong	6213 Aug 01 04:58	12° Ω 59'05	0°55'53
max. Earth dist.	6212 Aug 17 02:49	29° Ω 01'25	1.31934 AU	evening rise	6213 Aug 08 01:48	28° Ω 00'37	
	6212 Aug 17 13:25	0° \mathcal{N}			6213 Aug 09 00:20	0° \mathcal{N}	
evening rise	6212 Aug 23 16:28	13° \mathcal{N} 17'47			6213 Aug 25 18:03	0° \mathcal{A}	
	6212 Sep 01 03:52	0° \mathcal{A}		desc. node	6213 Aug 31 08:06	7° \mathcal{A} 22'50	
desc. node	6212 Sep 13 11:03	19° \mathcal{A} 40'02		evening max el	6213 Sep 05 03:59	12° \mathcal{A} 34'06	25°54'47
	6212 Sep 22 02:52	0° \mathcal{M}		retrograde	6213 Sep 19 02:57	19° \mathcal{A} 40'11	
evening max el	6212 Sep 23 06:46	1° \mathcal{M} 07'56	26°56'35	evening set	6213 Sep 25 09:54	18° \mathcal{A} 05'58	
retrograde	6212 Oct 07 04:07	8° \mathcal{M} 18'13		min. Earth dist.	6213 Sep 29 16:35	15° \mathcal{A} 30'29	0.58515 AU
evening set	6212 Oct 14 03:33	6° \mathcal{M} 11'27		inferior conj	6213 Oct 02 20:54	13° \mathcal{A} 12'00	-5°04'37
min. Earth dist.	6212 Oct 17 20:59	3° \mathcal{M} 32'50	0.60594 AU	minimum elong	6213 Oct 03 01:58	13° \mathcal{A} 02'45	5°03'54
inferior conj	6212 Oct 21 01:20	0° \mathcal{M} 53'35	-4°16'58	morning rise	6213 Oct 10 20:21	8° \mathcal{A} 47'57	
minimum elong	6212 Oct 21 07:59	0° \mathcal{M} 39'39	4°15'14	direct	6213 Oct 13 05:26	8° \mathcal{A} 29'34	
	6212 Oct 22 03:11	30° \mathcal{R} \mathcal{A}		morning max el	6213 Oct 21 12:08	12° \mathcal{A} 28'30	18°37'20
morning rise	6212 Oct 28 14:33	26° \mathcal{A} 06'38		asc. node	6213 Oct 22 13:06	13° \mathcal{A} 31'52	
direct	6212 Oct 30 21:18	25° \mathcal{A} 46'22			6213 Nov 02 07:23	0° \mathcal{M}	
asc. node	6212 Nov 04 16:03	27° \mathcal{A} 19'51		morning set	6213 Nov 06 16:42	8° \mathcal{M} 22'15	
morning max el	6212 Nov 07 05:09	29° \mathcal{A} 24'28	18°03'10				
	6212 Nov 07 19:14	0° \mathcal{M}		superior conj	6213 Nov 15 10:49	25° \mathcal{M} 12'10	1°18'40
morning set	6212 Nov 22 22:20	24° \mathcal{M} 16'06		minimum elong	6213 Nov 15 14:16	25° \mathcal{M} 28'18	1°18'19
	6212 Nov 26 00:21	0° \mathcal{X}			6213 Nov 18 00:59	0° \mathcal{X}	
superior conj	6212 Dec 02 19:43	12° \mathcal{X} 22'23	0°53'11	max. Earth dist.	6213 Nov 22 17:54	8° \mathcal{X} 25'02	1.39871 AU
minimum elong	6212 Dec 02 23:22	12° \mathcal{X} 38'33	0°52'43	evening rise	6213 Nov 26 20:53	15° \mathcal{X} 29'02	
desc. node	6212 Dec 10 10:17	25° \mathcal{X} 28'28		desc. node	6213 Nov 27 07:19	16° \mathcal{X} 12'45	
max. Earth dist.	6212 Dec 10 11:16	25° \mathcal{X} 32'33	1.41928 AU		6213 Dec 05 21:16	0° \mathcal{Z}	
	6212 Dec 13 04:01	0° \mathcal{Z}			6213 Dec 27 15:07	0° \approx	
evening rise	6212 Dec 15 23:12	4° \mathcal{Z} 31'46		evening max el	6213 Dec 31 19:17	4° \approx 30'58	23°57'49
	6213 Jan 01 19:35	0° \approx		retrograde	6214 Jan 11 19:38	11° \approx 00'00	
evening max el	6213 Jan 18 05:08	20° \approx 49'23	22°37'43	evening set	6214 Jan 17 01:04	8° \approx 49'33	
retrograde	6213 Jan 28 02:39	26° \approx 42'08		asc. node	6214 Jan 18 12:19	7° \approx 24'45	
asc. node	6213 Jan 31 15:16	25° \approx 38'02		min. Earth dist.	6214 Jan 21 19:34	3° \approx 18'25	0.68025 AU
evening set	6213 Feb 01 19:36	24° \approx 46'34		inferior conj	6214 Jan 22 12:02	2° \approx 22'33	1°18'06
inferior conj	6213 Feb 07 04:16	18° \approx 23'22	2°02'15	minimum elong	6214 Jan 22 10:20	2° \approx 28'18	1°17'28
minimum elong	6213 Feb 07 02:01	18° \approx 31'10	2°01'32		6214 Jan 24 07:00	30° \mathcal{R} \mathcal{Z}	
min. Earth dist.	6213 Feb 06 22:57	18° \approx 41'51	0.68222 AU	morning rise	6214 Jan 27 19:38	26° \mathcal{Z} 18'49	
morning rise	6213 Feb 12 08:21	12° \approx 14'23		direct	6214 Jan 31 19:40	24° \mathcal{Z} 48'02	
direct	6213 Feb 16 22:04	10° \approx 21'06		morning max el	6214 Feb 08 19:15	29° \mathcal{Z} 21'39	20°31'35
morning max el	6213 Feb 25 23:55	15° \approx 39'15	21°49'51		6214 Feb 09 10:18	0° \approx	
desc. node	6213 Mar 08 09:33	28° \approx 20'09		desc. node	6214 Feb 23 06:36	18° \approx 09'17	
	6213 Mar 09 14:37	0° \mathcal{H}			6214 Mar 03 05:38	0° \mathcal{H}	
	6213 Mar 29 15:40	0° \mathcal{Y}		morning set	6214 Mar 09 14:58	9° \mathcal{H} 47'47	
morning set	6213 Mar 30 12:19	1° \mathcal{Y} 22'22		max. Earth dist.	6214 Mar 18 17:53	24° \mathcal{H} 12'50	1.43380 AU
max. Earth dist.	6213 Apr 05 12:00	11° \mathcal{Y} 08'31	1.41521 AU		6214 Mar 22 07:16	0° \mathcal{Y}	
superior conj	6213 Apr 13 04:05	24° \mathcal{Y} 15'30	-2°00'02	superior conj	6214 Mar 25 04:48	4° \mathcal{Y} 47'26	-2°09'59
minimum elong	6213 Apr 13 08:40	24° \mathcal{Y} 35'39	1°59'45	minimum elong	6214 Mar 25 05:29	4° \mathcal{Y} 50'17	2°09'59
	6213 Apr 16 09:41	0° \mathcal{B}		evening rise	6214 Apr 06 12:16	25° \mathcal{Y} 56'44	

	6214 Apr 08 19:37	0°♄		evening rise	6215 Mar 19 06:16	7°♄16'02	
asc. node	6214 Apr 16 11:33	13°♄02'32			6215 Apr 02 07:53	0°♄	
evening max el	6214 Apr 23 16:18	22°♄40'40	18°06'31	asc. node	6215 Apr 03 08:36	1°♄26'06	
retrograde	6214 Apr 30 03:57	26°♄02'07		evening max el	6215 Apr 07 05:16	6°♄03'12	18°19'21
evening set	6214 May 02 21:36	25°♄25'36		retrograde	6215 Apr 13 15:14	9°♄29'44	
inferior conj	6214 May 09 06:38	20°♄19'53	3°04'33	evening set	6215 Apr 16 15:32	8°♄40'34	
minimum elong	6214 May 09 09:07	20°♄13'34	3°04'06	inferior conj	6215 Apr 22 13:33	3°♄16'08	3°25'47
min. Earth dist.	6214 May 12 06:49	17°♄17'12	0.61898 AU	minimum elong	6215 Apr 22 14:32	3°♄13'21	3°25'42
morning rise	6214 May 15 18:48	14°♄17'56		min. Earth dist.	6215 Apr 24 23:28	0°♄31'41	0.63937 AU
desc. node	6214 May 22 05:51	11°♄53'20			6215 Apr 25 11:05	30°♄♄	
direct	6214 May 22 13:33	11°♄53'01		morning rise	6215 Apr 28 12:34	27°♄04'56	
morning max el	6214 Jun 05 17:21	19°♄53'40	27°53'53	direct	6215 May 05 07:41	24°♄21'34	
	6214 Jun 14 08:27	0°♄		desc. node	6215 May 09 02:53	25°♄06'02	
	6214 Jul 03 02:36	0°♄			6215 May 16 14:44	0°♄	
morning set	6214 Jul 09 05:49	11°♄59'48		morning max el	6215 May 19 02:01	2°♄20'35	27°36'40
asc. node	6214 Jul 13 10:50	20°♄48'39			6215 Jun 08 15:33	0°♄	
max. Earth dist.	6214 Jul 14 21:48	23°♄56'53	1.32194 AU	morning set	6215 Jun 23 00:33	25°♄50'49	
					6215 Jun 25 02:13	0°♄	
superior conj	6214 Jul 16 16:59	27°♄51'58	0°33'11	max. Earth dist.	6215 Jun 27 23:25	5°♄57'05	1.33000 AU
minimum elong	6214 Jul 16 15:32	27°♄43'59	0°32'52	asc. node	6215 Jun 30 07:52	10°♄55'35	
	6214 Jul 17 16:23	0°♄					
evening rise	6214 Jul 23 13:15	12°♄46'51		superior conj	6215 Jun 30 23:14	12°♄17'47	0°06'37
	6214 Aug 01 04:45	0°♄		minimum elong	6215 Jun 30 22:55	12°♄16'02	0°06'31
evening max el	6214 Aug 17 18:17	23°♄15'28	24°27'37	behind sun begin	6215 Jun 30 17:58	11°♄49'34	
desc. node	6214 Aug 18 05:07	23°♄41'06		behind sun end	6215 Jul 01 03:51	12°♄42'32	
	6214 Aug 29 05:05	0°♄		evening rise	6215 Jul 08 00:53	27°♄29'47	
retrograde	6214 Aug 31 14:18	0°♄13'03			6215 Jul 09 05:24	0°♄	
	6214 Sep 02 23:48	30°♄♄			6215 Jul 26 23:31	0°♄	
evening set	6214 Sep 05 15:36	29°♄16'11		evening max el	6215 Jul 30 06:45	3°♄34'13	22°49'31
min. Earth dist.	6214 Sep 11 05:23	26°♄25'13	0.56642 AU	desc. node	6215 Aug 05 02:07	8°♄03'46	
inferior conj	6214 Sep 13 20:24	24°♄45'22	-5°23'54	retrograde	6215 Aug 12 12:47	10°♄10'52	
minimum elong	6214 Sep 13 20:15	24°♄45'35	5°23'54	evening set	6215 Aug 16 01:39	9°♄43'31	
morning rise	6214 Sep 22 03:13	20°♄42'28		min. Earth dist.	6215 Aug 23 14:54	6°♄21'46	0.55292 AU
direct	6214 Sep 24 18:51	20°♄23'27		inferior conj	6215 Aug 25 00:56	5°♄33'01	-4°57'27
morning max el	6214 Oct 04 09:01	24°♄53'47	19°33'15	minimum elong	6215 Aug 24 18:05	5°♄42'51	4°56'21
	6214 Oct 08 19:41	0°♄		morning rise	6215 Sep 02 12:36	1°♄43'13	
asc. node	6214 Oct 09 10:08	0°♄49'32		direct	6215 Sep 05 14:08	1°♄21'23	
morning set	6214 Oct 21 19:00	22°♄50'08		morning max el	6215 Sep 16 17:34	6°♄33'08	20°51'05
	6214 Oct 25 08:12	0°♄		asc. node	6215 Sep 26 07:10	18°♄58'39	
					6215 Oct 02 08:52	0°♄	
superior conj	6214 Oct 29 17:58	8°♄48'01	1°34'30	morning set	6215 Oct 06 02:28	7°♄32'20	
minimum elong	6214 Oct 29 20:11	8°♄58'55	1°34'23				
max. Earth dist.	6214 Nov 04 22:56	20°♄39'27	1.37747 AU	superior conj	6215 Oct 13 12:38	22°♄57'30	1°41'53
evening rise	6214 Nov 08 16:53	27°♄26'24		minimum elong	6215 Oct 13 13:22	23°♄01'15	1°41'53
	6214 Nov 10 03:53	0°♄			6215 Oct 17 00:15	0°♄	
desc. node	6214 Nov 14 04:21	6°♄50'26		max. Earth dist.	6215 Oct 18 07:40	2°♄34'57	1.35788 AU
	6214 Nov 29 08:17	0°♄		evening rise	6215 Oct 22 08:10	10°♄16'15	
evening max el	6214 Dec 14 08:15	18°♄16'07	25°14'06	desc. node	6215 Nov 01 01:22	27°♄17'07	
retrograde	6214 Dec 26 08:15	25°♄11'53			6215 Nov 02 17:32	0°♄	
evening set	6215 Jan 01 02:55	22°♄48'04			6215 Nov 24 21:20	0°♄	
asc. node	6215 Jan 05 09:22	18°♄05'55		evening max el	6215 Nov 26 21:12	2°♄00'42	26°19'14
min. Earth dist.	6215 Jan 05 13:55	17°♄51'18	0.67463 AU	retrograde	6215 Dec 09 15:40	9°♄12'34	
inferior conj	6215 Jan 06 17:25	16°♄21'54	0°26'55	evening set	6215 Dec 15 23:25	6°♄38'25	
minimum elong	6215 Jan 06 16:45	16°♄24'04	0°26'40	min. Earth dist.	6215 Dec 20 03:39	2°♄16'48	0.66542 AU
morning rise	6215 Jan 12 06:51	10°♄25'33		inferior conj	6215 Dec 21 18:32	0°♄18'13	-0°30'27
direct	6215 Jan 15 18:35	9°♄15'24		minimum elong	6215 Dec 21 19:21	0°♄15'41	0°30'04
morning max el	6215 Jan 22 22:31	13°♄15'06	19°26'51		6215 Dec 22 00:30	30°♄♄	
	6215 Feb 04 15:08	0°♄		asc. node	6215 Dec 23 06:24	28°♄30'48	
greatest brilliancy	6215 Feb 04 23:56	0°♄32'43	-0.7m	morning rise	6215 Dec 27 15:56	24°♄31'41	
desc. node	6215 Feb 10 03:37	8°♄19'51		direct	6215 Dec 30 17:04	23°♄39'05	
morning set	6215 Feb 16 12:45	18°♄07'51		morning max el	6216 Jan 06 08:55	27°♄16'48	18°37'50
	6215 Feb 24 04:09	0°♄			6216 Jan 08 19:54	0°♄	
max. Earth dist.	6215 Mar 01 07:12	8°♄03'28	1.44709 AU	morning set	6216 Jan 27 05:57	27°♄32'18	
				desc. node	6216 Jan 28 00:39	28°♄46'05	
superior conj	6215 Mar 05 04:24	14°♄13'50	-2°02'33		6216 Jan 28 19:23	0°♄	
minimum elong	6215 Mar 04 22:32	13°♄50'24	2°02'15				
	6215 Mar 14 21:20	0°♄		superior conj	6216 Feb 12 10:22	22°♄58'19	-1°35'11

minimum elong	6216 Feb 12 00:50	22°  20'55	1°34'14	max. Earth dist.	6217 Jan 24 21:04	6°  51'49	1.45245 AU
max. Earth dist.	6216 Feb 12 01:30	22°  23'32	1.45352 AU	evening rise	6217 Feb 06 22:48	27°  13'17	
	6216 Feb 16 21:48	0°  ✕			6217 Feb 08 17:54	0°  ✕	
evening rise	6216 Feb 28 01:05	17°  ✕38'37		greatest brilliancy	6217 Feb 20 02:12	17°  ✕20'53	-0.7m
	6216 Mar 06 18:56	0°  ♿			6217 Mar 01 04:26	0°  ♿	
greatest brilliancy	6216 Mar 07 05:31	0°  ♿41'52	-0.8m	evening max el	6217 Mar 03 22:51	3°  ♿07'23	19°37'43
asc. node	6216 Mar 20 05:37	19°  ♿06'24		asc. node	6217 Mar 07 02:39	5°  ♿50'36	
evening max el	6216 Mar 20 16:08	19°  ♿33'38	18°50'09	retrograde	6217 Mar 11 06:42	7°  ♿20'23	
retrograde	6216 Mar 27 09:14	23°  ♿18'02		evening set	6217 Mar 14 21:31	6°  ♿03'47	
evening set	6216 Mar 30 16:22	22°  ♿15'26		inferior conj	6217 Mar 20 07:40	0°  ♿07'11	3°17'59
inferior conj	6216 Apr 05 06:59	16°  ♿33'52	3°28'53	minimum elong	6217 Mar 20 06:08	0°  ♿12'17	3°17'47
minimum elong	6216 Apr 05 06:31	16°  ♿35'18	3°28'52		6217 Mar 20 09:50	30°  ♿✕	
min. Earth dist.	6216 Apr 07 01:16	14°  ♿22'30	0.65629 AU	min. Earth dist.	6217 Mar 21 11:04	28°  ♿36'32	0.66896 AU
morning rise	6216 Apr 10 20:12	10°  ♿18'44		morning rise	6217 Mar 25 14:28	23°  ♿51'20	
direct	6216 Apr 17 08:53	7°  ♿29'56		direct	6217 Mar 31 16:16	21°  ♿08'50	
desc. node	6216 Apr 24 23:55	10°  ♿27'54		desc. node	6217 Apr 11 20:56	27°  ♿26'00	
morning max el	6216 Apr 30 12:16	15°  ♿16'00	26°47'32	morning max el	6217 Apr 12 21:59	28°  ♿27'53	25°34'55
	6216 May 12 14:02	0°  ♿✕			6217 Apr 14 09:15	0°  ♿♿	
	6216 May 31 10:12	0°  ♿♿			6217 May 06 08:13	0°  ♿✕	
morning set	6216 Jun 05 08:41	9°  ♿07'50		morning set	6217 May 19 02:08	21°  ♿✕39'36	
max. Earth dist.	6216 Jun 09 15:11	17°  ♿28'27	1.34273 AU	max. Earth dist.	6217 May 22 19:47	28°  ♿35'54	1.35995 AU
					6217 May 23 13:28	0°  ♿♿	
superior conj	6216 Jun 13 23:39	26°  ♿21'54	-0°22'35	superior conj	6217 May 28 15:35	9°  ♿57'20	-0°53'04
minimum elong	6216 Jun 14 00:53	26°  ♿28'18	0°22'22	minimum elong	6217 May 28 18:37	10°  ♿12'32	0°52'33
	6216 Jun 15 17:22	0°  ♿✕		asc. node	6217 Jun 03 01:54	20°  ♿59'27	
asc. node	6216 Jun 16 04:52	1°  ♿00'27		evening rise	6217 Jun 05 16:51	26°  ♿21'30	
evening rise	6216 Jun 21 10:47	12°  ♿03'25			6217 Jun 07 12:05	0°  ♿✕	
	6216 Jun 30 17:32	0°  ♿♿		evening max el	6217 Jun 23 08:52	25°  ♿11'54	19°59'11
evening max el	6216 Jul 11 01:40	14°  ♿04'15	21°16'28		6217 Jul 01 06:16	0°  ♿♿	
desc. node	6216 Jul 21 23:08	19°  ♿58'05		retrograde	6217 Jul 03 17:24	0°  ♿16'48	
retrograde	6216 Jul 23 02:25	20°  ♿01'11		evening set	6217 Jul 05 14:52	0°  ♿07'20	
evening set	6216 Jul 25 10:44	19°  ♿48'25			6217 Jul 06 06:16	30°  ♿✕✕	
inferior conj	6216 Aug 03 18:26	15°  ♿49'55	-3°38'16	desc. node	6217 Jul 08 20:10	29°  ♿11'41	
minimum elong	6216 Aug 03 09:28	16°  ♿02'29	3°35'37	inferior conj	6217 Jul 14 15:07	26°  ♿07'21	-1°44'29
min. Earth dist.	6216 Aug 04 00:33	15°  ♿41'21	0.54753 AU	minimum elong	6217 Jul 14 10:15	26°  ♿14'41	1°42'42
morning rise	6216 Aug 12 08:57	11°  ♿55'42		min. Earth dist.	6217 Jul 16 12:35	24°  ♿58'45	0.55175 AU
direct	6216 Aug 15 22:56	11°  ♿28'04		morning rise	6217 Jul 23 03:53	21°  ♿47'53	
morning max el	6216 Aug 28 14:40	17°  ♿27'46	22°27'08	direct	6217 Jul 27 11:17	21°  ♿07'19	
	6216 Sep 07 14:16	0°  ♿♿		morning max el	6217 Aug 10 05:03	27°  ♿53'12	24°11'39
asc. node	6216 Sep 12 04:11	7°  ♿46'39			6217 Aug 12 07:35	0°  ♿♿	
morning set	6216 Sep 19 12:56	22°  ♿22'05		asc. node	6217 Aug 30 01:13	27°  ♿03'51	
	6216 Sep 23 03:03	0°  ♿♿			6217 Aug 31 12:44	0°  ♿♿	
superior conj	6216 Sep 26 15:16	7°  ♿29'32	1°42'00	morning set	6217 Sep 04 00:38	7°  ♿14'21	
minimum elong	6216 Sep 26 14:39	7°  ♿26'20	1°41'59	superior conj	6217 Sep 10 23:07	22°  ♿15'56	1°35'52
max. Earth dist.	6216 Sep 29 23:48	14°  ♿31'17	1.34163 AU	minimum elong	6217 Sep 10 21:31	22°  ♿07'17	1°35'44
evening rise	6216 Oct 04 14:32	23°  ♿47'28		max. Earth dist.	6217 Sep 13 00:25	26°  ♿42'17	1.32957 AU
	6216 Oct 07 20:37	0°  ♿♿			6217 Sep 14 13:30	0°  ♿♿	
desc. node	6216 Oct 17 22:22	17°  ♿16'31		evening rise	6217 Sep 18 08:15	7°  ♿50'26	
	6216 Oct 26 07:54	0°  ♿♿			6217 Sep 30 07:54	0°  ♿♿	
evening max el	6216 Nov 08 09:57	15°  ♿35'21	27°05'53	desc. node	6217 Oct 04 19:23	7°  ♿11'17	
retrograde	6216 Nov 21 17:28	22°  ♿53'55		evening max el	6217 Oct 21 21:26	28°  ♿49'41	27°27'09
evening set	6216 Nov 28 12:27	20°  ♿15'01			6217 Oct 23 04:04	0°  ♿♿	
min. Earth dist.	6216 Dec 02 10:28	16°  ♿28'23	0.65267 AU	retrograde	6217 Nov 04 13:07	6°  ♿07'37	
inferior conj	6216 Dec 04 13:10	14°  ♿05'55	-1°32'52	evening set	6217 Nov 11 15:21	3°  ♿32'31	
minimum elong	6216 Dec 04 15:52	13°  ♿58'18	1°31'42	min. Earth dist.	6217 Nov 15 08:27	0°  ♿18'14	0.63659 AU
asc. node	6216 Dec 09 03:26	9°  ♿34'51			6217 Nov 15 15:48	30°  ♿♿♿	
morning rise	6216 Dec 10 20:26	8°  ♿32'03		inferior conj	6217 Nov 17 22:49	27°  ♿39'47	-2°38'12
direct	6216 Dec 13 12:59	7°  ♿53'16		minimum elong	6217 Nov 18 03:34	27°  ♿27'43	2°36'22
morning max el	6216 Dec 20 00:04	11°  ♿19'47	18°05'19	morning rise	6217 Nov 24 17:24	22°  ♿21'27	
	6217 Jan 02 01:37	0°  ♿✕		asc. node	6217 Nov 26 00:29	21°  ♿59'00	
morning set	6217 Jan 07 04:31	8°  ♿24'42		direct	6217 Nov 27 03:42	21°  ♿52'38	
desc. node	6217 Jan 13 21:39	19°  ♿22'35		morning max el	6217 Dec 03 17:08	25°  ♿17'16	17°49'58
	6217 Jan 20 12:44	0°  ♿♿			6217 Dec 07 15:22	0°  ♿♿	
superior conj	6217 Jan 21 16:45	1°  ♿51'00	-0°52'59	morning set	6217 Dec 20 05:55	20°  ♿35'02	
minimum elong	6217 Jan 21 10:21	1°  ♿25'38	0°52'06		6217 Dec 25 17:46	0°  ♿✕	

desc. node	6217 Dec 31 18:38	10° S 05'42			6218 Dec 01 02:12	0° S
			morning set		6218 Dec 03 03:44	3° S 43'51
superior conj	6218 Jan 01 17:52	11° S 41'06 -0°06'53				
minimum elong	6218 Jan 01 17:07	11° S 38'01 0°06'45	superior conj	6218 Dec 13 21:07	22° S 47'12 0°33'55	
behind sun begin	6218 Jan 01 08:14	11° S 01'33	minimum elong	6218 Dec 13 23:58	22° S 59'29 0°33'32	
behind sun end	6218 Jan 02 02:00	12° S 14'25		6218 Dec 18 03:10	0° S	
max. Earth dist.	6218 Jan 07 15:01	21° S 11'05 1.44420 AU	desc. node	6218 Dec 18 15:40	0° S 52'06	
	6218 Jan 13 05:20	0° \approx	max. Earth dist.	6218 Dec 21 05:26	5° S 06'54 1.42976 AU	
evening rise	6218 Jan 17 09:33	6° \approx 27'46	evening rise	6218 Dec 28 01:03	16° S 01'36	
	6218 Feb 02 02:39	0° H		6219 Jan 06 04:25	0° \approx	
evening max el	6218 Feb 15 00:18	16° H 42'37 20°39'48		6219 Jan 28 12:45	0° H	
asc. node	6218 Feb 21 23:42	21° H 24'03	evening max el	6219 Jan 28 20:29	0° H 19'50 21°52'48	
retrograde	6218 Feb 23 05:06	21° H 31'59	retrograde	6219 Feb 07 02:27	5° H 49'11	
evening set	6218 Feb 27 04:52	20° H 00'43	asc. node	6219 Feb 08 20:45	5° H 32'52	
inferior conj	6218 Mar 04 12:58	13° H 51'33 2°55'50	evening set	6219 Feb 11 12:43	4° H 02'38	
minimum elong	6218 Mar 04 10:48	13° H 59'01 2°55'23		6219 Feb 15 04:55	30° R \approx	
min. Earth dist.	6218 Mar 05 02:47	13° H 04'08 0.67735 AU	inferior conj	6219 Feb 16 20:44	27° \approx 43'48 2°24'16	
morning rise	6218 Mar 09 16:31	7° H 37'07	minimum elong	6219 Feb 16 18:22	27° \approx 51'59 2°23'35	
direct	6218 Mar 15 04:58	5° H 09'48	min. Earth dist.	6219 Feb 16 22:10	27° \approx 38'48 0.68159 AU	
morning max el	6218 Mar 26 06:42	11° H 47'06 24°08'47	morning rise	6219 Feb 21 23:51	21° \approx 32'27	
desc. node	6218 Mar 29 17:57	15° H 33'18	direct	6219 Feb 26 21:57	19° \approx 25'51	
	6218 Apr 09 20:34	0° Y	morning max el	6219 Mar 08 16:45	25° \approx 12'31 22°39'21	
	6218 Apr 29 02:55	0° S		6219 Mar 13 00:26	0° H	
morning set	6218 Apr 30 23:22	3° S 10'34	desc. node	6219 Mar 16 14:58	4° H 30'24	
max. Earth dist.	6218 May 04 16:13	9° S 41'33 1.38074 AU		6219 Apr 03 08:23	0° Y	
			morning set	6219 Apr 11 18:38	13° Y 26'03	
superior conj	6218 May 11 19:35	22° S 54'47 -1°22'49	max. Earth dist.	6219 Apr 16 12:20	21° Y 21'48 1.40296 AU	
minimum elong	6218 May 12 00:15	23° S 17'07 1°22'10		6219 Apr 21 11:33	0° S	
	6218 May 15 11:29	0° II				
evening rise	6218 May 20 16:29	10° II 16'06	superior conj	6219 Apr 24 07:26	5° S 04'14 -1°48'39	
asc. node	6218 May 20 22:55	10° II 47'48	minimum elong	6219 Apr 24 12:42	5° S 28'06 1°48'09	
	6218 May 31 14:08	0° S	evening rise	6219 May 04 06:30	23° S 39'21	
evening max el	6218 Jun 06 04:26	7° S 02'35 19°01'41	asc. node	6219 May 07 19:59	0° II 20'55	
retrograde	6218 Jun 14 21:19	11° S 18'58		6219 May 07 15:28	0° II	
evening set	6218 Jun 16 21:11	11° S 06'26	evening max el	6219 May 20 09:23	19° II 30'40 18°24'37	
inferior conj	6218 Jun 25 03:34	6° S 52'26 0°10'08	retrograde	6219 May 27 20:17	23° II 13'01	
minimum elong	6218 Jun 25 03:59	6° S 51'43 0°09'57	evening set	6219 May 30 03:02	22° II 53'10	
transit middle	6218 Jun 25 03:59	6° S 51'43 0°09'57	inferior conj	6219 Jun 06 13:27	18° II 19'03 1°41'10	
transit begin	6218 Jun 25 01:01	6° S 56'52	minimum elong	6219 Jun 06 16:32	18° II 12'47 1°40'09	
transit end	6218 Jun 25 06:57	6° S 46'34	min. Earth dist.	6219 Jun 09 23:28	15° II 33'43 0.58429 AU	
desc. node	6218 Jun 25 17:12	6° S 28'42	desc. node	6219 Jun 12 14:14	13° II 43'00	
min. Earth dist.	6218 Jun 28 03:47	4° S 47'57 0.56491 AU	morning rise	6219 Jun 14 02:50	12° II 50'17	
morning rise	6218 Jul 03 07:31	1° S 57'09	direct	6219 Jun 20 04:12	11° II 14'19	
direct	6218 Jul 08 12:44	0° S 52'55	morning max el	6219 Jul 04 13:26	18° II 57'17 27°05'24	
morning max el	6218 Jul 22 18:53	8° S 13'44 25°49'44		6219 Jul 13 21:13	0° S	
	6218 Aug 08 00:32	0° O		6219 Jul 31 14:37	0° O	
asc. node	6218 Aug 16 22:14	16° O 41'39	morning set	6219 Aug 03 21:09	6° O 43'51	
morning set	6218 Aug 19 11:56	22° O 03'14	asc. node	6219 Aug 03 19:16	6° O 33'55	
	6218 Aug 23 04:07	0° M				
			superior conj	6219 Aug 10 21:46	22° O 00'57 1°07'47	
superior conj	6218 Aug 26 09:55	7° M 08'28 1°24'16	minimum elong	6219 Aug 10 19:30	21° O 48'24 1°07'24	
minimum elong	6218 Aug 26 07:46	6° M 56'34 1°23'59	max. Earth dist.	6219 Aug 10 18:25	21° O 42'22 1.31851 AU	
max. Earth dist.	6218 Aug 27 07:41	9° M 08'15 1.32188 AU		6219 Aug 14 12:38	0° M	
evening rise	6218 Sep 02 10:04	22° M 15'04	evening rise	6219 Aug 17 17:19	6° M 53'24	
	6218 Sep 06 05:55	0° S		6219 Aug 29 18:47	0° S	
desc. node	6218 Sep 21 16:25	26° S 20'45	desc. node	6219 Sep 08 13:28	14° S 40'36	
	6218 Sep 24 07:05	0° M	evening max el	6219 Sep 16 07:29	23° S 26'52 26°34'02	
evening max el	6218 Oct 04 05:31	11° M 30'52 27°17'27		6219 Sep 26 11:29	0° M	
retrograde	6218 Oct 18 01:41	18° M 43'56	retrograde	6219 Sep 30 05:40	0° M 34'30	
evening set	6218 Oct 25 04:37	16° M 23'47		6219 Oct 03 22:22	30° R S	
min. Earth dist.	6218 Oct 28 20:11	13° M 35'07 0.61767 AU	evening set	6219 Oct 06 23:39	28° S 40'48	
inferior conj	6218 Oct 31 20:28	10° M 52'07 -3°42'42	min. Earth dist.	6219 Oct 10 21:10	26° S 05'35 0.59708 AU	
minimum elong	6218 Nov 01 02:48	10° M 37'47 3°40'43	inferior conj	6219 Oct 14 02:35	23° S 33'17 -4°39'36	
morning rise	6218 Nov 08 02:59	5° M 52'33	minimum elong	6219 Oct 14 08:57	23° S 20'42 4°38'15	
direct	6218 Nov 10 10:00	5° M 30'05	morning rise	6219 Oct 21 20:24	18° S 55'35	
asc. node	6218 Nov 12 21:32	5° M 57'21	direct	6219 Oct 24 03:43	18° S 36'21	
morning max el	6218 Nov 17 08:57	9° M 01'06 17°52'47	asc. node	6219 Oct 30 18:35	21° S 24'24	

morning max el	6219 Oct 31 20:06	22° Ω 22'12	18°15'04	asc. node	6220 Oct 16 15:37	8° Ω 06'30	
	6219 Nov 06 19:14	0° \mathbb{M}			6220 Oct 29 15:42	0° \mathbb{M}	
morning set	6219 Nov 16 15:58	17° \mathbb{M} 33'10		morning set	6220 Oct 30 14:09	1° \mathbb{M} 50'20	
	6219 Nov 23 06:33	0° \mathbb{A}					
superior conj	6219 Nov 26 00:36	5° \mathbb{A} 03'13	1°05'14	superior conj	6220 Nov 07 23:13	18° \mathbb{M} 15'07	1°26'29
minimum elong	6219 Nov 26 04:21	5° \mathbb{A} 20'16	1°04'48	minimum elong	6220 Nov 08 02:13	18° \mathbb{M} 29'26	1°26'14
max. Earth dist.	6219 Dec 03 15:18	18° \mathbb{A} 26'38	1.41081 AU	max. Earth dist.	6220 Nov 14 06:59	0° \mathbb{A}	
desc. node	6219 Dec 05 12:41	21° \mathbb{A} 37'59		evening rise	6220 Nov 18 17:26	1° \mathbb{A} 03'50	1.38964 AU
evening rise	6219 Dec 08 09:59	26° \mathbb{A} 24'16		desc. node	6220 Nov 21 09:43	12° \mathbb{A} 20'06	
	6219 Dec 10 15:21	0° \mathbb{Z}			6220 Dec 02 14:13	0° \mathbb{Z}	
	6219 Dec 30 22:11	0° \approx		evening max el	6220 Dec 24 01:43	27° \mathbb{Z} 42'22	24°31'01
evening max el	6220 Jan 11 12:22	13° \approx 59'24	23°11'53		6220 Dec 26 13:07	0° \approx	
retrograde	6220 Jan 21 21:15	20° \approx 07'45		retrograde	6221 Jan 04 12:26	4° \approx 23'54	
evening set	6220 Jan 26 19:28	18° \approx 05'43		evening set	6221 Jan 09 23:35	2° \approx 07'11	
asc. node	6220 Jan 26 17:49	18° \approx 09'09			6221 Jan 12 02:20	30° \mathbb{R} \mathbb{Z}	
inferior conj	6220 Feb 01 04:58	11° \approx 40'38	1°44'25	asc. node	6221 Jan 12 14:51	29° \mathbb{Z} 23'25	
minimum elong	6220 Feb 01 02:54	11° \approx 47'46	1°43'43	min. Earth dist.	6221 Jan 14 14:42	26° \mathbb{Z} 50'51	0.67837 AU
min. Earth dist.	6220 Jan 31 18:52	12° \approx 15'26	0.68186 AU	inferior conj	6221 Jan 15 11:55	25° \mathbb{Z} 39'58	0°57'11
morning rise	6220 Feb 06 10:16	5° \approx 33'52		minimum elong	6221 Jan 15 10:36	25° \mathbb{Z} 44'21	0°56'41
direct	6220 Feb 10 18:08	3° \approx 50'09		morning rise	6221 Jan 20 21:46	19° \mathbb{Z} 39'22	
morning max el	6220 Feb 19 07:53	8° \approx 47'39	21°15'11	direct	6221 Jan 24 16:22	18° \mathbb{Z} 17'49	
desc. node	6220 Mar 02 11:59	24° \approx 02'59		morning max el	6221 Feb 01 06:42	22° \mathbb{Z} 35'19	20°02'14
	6220 Mar 06 15:41	0° \mathbb{H}			6221 Feb 07 12:50	0° \approx	
morning set	6220 Mar 21 09:48	22° \mathbb{H} 23'11		desc. node	6221 Feb 17 09:01	14° \approx 01'42	
	6220 Mar 26 04:19	0° \mathbb{Y}			6221 Feb 27 21:39	0° \mathbb{H}	
max. Earth dist.	6220 Mar 28 14:32	3° \mathbb{Y} 56'59	1.42367 AU	morning set	6221 Feb 28 07:11	0° \mathbb{H} 36'45	
				max. Earth dist.	6221 Mar 10 23:58	17° \mathbb{H} 23'10	1.44022 AU
superior conj	6220 Apr 04 22:07	16° \mathbb{Y} 13'31	-2°06'02				
minimum elong	6220 Apr 05 01:31	16° \mathbb{Y} 28'04	2°05'54	superior conj	6221 Mar 16 11:49	26° \mathbb{H} 15'28	-2°09'14
	6220 Apr 12 18:15	0° \mathbb{B}		minimum elong	6221 Mar 16 09:49	26° \mathbb{H} 07'20	2°09'12
evening rise	6220 Apr 16 06:54	6° \mathbb{B} 21'22			6221 Mar 18 18:30	0° \mathbb{Y}	
asc. node	6220 Apr 23 17:01	19° \mathbb{B} 32'45		evening rise	6221 Mar 29 13:13	18° \mathbb{Y} 12'55	
	6220 Apr 30 15:25	0° \mathbb{II}			6221 Apr 05 10:30	0° \mathbb{B}	
evening max el	6220 May 02 20:00	2° \mathbb{II} 26'19	18°07'33	asc. node	6221 Apr 10 14:03	8° \mathbb{B} 16'11	
retrograde	6220 May 09 12:58	5° \mathbb{II} 51'12		evening max el	6221 Apr 16 08:52	15° \mathbb{B} 40'35	18°09'43
evening set	6220 May 12 02:46	5° \mathbb{II} 21'16		retrograde	6221 Apr 22 18:49	19° \mathbb{B} 02'58	
inferior conj	6220 May 18 19:53	0° \mathbb{II} 26'31	2°42'02	evening set	6221 Apr 25 15:13	18° \mathbb{B} 21'16	
minimum elong	6220 May 18 23:00	0° \mathbb{II} 19'08	2°41'17	inferior conj	6221 May 01 19:04	13° \mathbb{B} 07'13	3°16'05
	6220 May 19 07:04	30° \mathbb{R} \mathbb{B}		minimum elong	6221 May 01 20:55	13° \mathbb{B} 02'12	3°15'50
min. Earth dist.	6220 May 22 02:02	27° \mathbb{B} 23'17	0.60629 AU	min. Earth dist.	6221 May 04 13:28	10° \mathbb{B} 09'58	0.62790 AU
morning rise	6220 May 25 16:53	24° \mathbb{B} 33'34		morning rise	6221 May 08 01:12	7° \mathbb{B} 00'11	
desc. node	6220 May 29 11:16	22° \mathbb{B} 48'39		direct	6221 May 14 20:52	4° \mathbb{B} 26'01	
direct	6220 Jun 01 07:33	22° \mathbb{B} 25'02		desc. node	6221 May 16 08:17	4° \mathbb{B} 32'41	
	6220 Jun 15 06:03	0° \mathbb{II}		morning max el	6221 May 28 21:36	12° \mathbb{B} 27'45	27°51'04
morning max el	6220 Jun 15 14:46	0° \mathbb{II} 21'26	27°47'16		6221 Jun 11 20:18	0° \mathbb{II}	
	6220 Jul 06 23:21	0° \mathbb{E}			6221 Jun 29 09:51	0° \mathbb{E}	
morning set	6220 Jul 18 02:33	21° \mathbb{E} 11'03		morning set	6221 Jul 02 01:55	5° \mathbb{E} 17'25	
asc. node	6220 Jul 20 16:18	26° \mathbb{E} 35'42		max. Earth dist.	6221 Jul 07 10:45	16° \mathbb{E} 28'07	1.32474 AU
	6220 Jul 22 06:18	0° \mathbb{Q}		asc. node	6221 Jul 07 13:18	16° \mathbb{E} 41'45	
max. Earth dist.	6220 Jul 24 04:50	4° \mathbb{Q} 13'42	1.31941 AU				
superior conj	6220 Jul 25 08:54	6° \mathbb{Q} 47'57	0°46'58	superior conj	6221 Jul 09 17:27	21° \mathbb{E} 22'54	0°22'19
minimum elong	6220 Jul 25 07:00	6° \mathbb{Q} 37'31	0°46'35	minimum elong	6221 Jul 09 16:25	21° \mathbb{E} 17'16	0°22'04
evening rise	6220 Aug 01 03:49	21° \mathbb{Q} 38'46			6221 Jul 13 16:22	0° \mathbb{Q}	
	6220 Aug 05 04:22	0° \mathbb{H}		evening rise	6221 Jul 16 15:32	6° \mathbb{Q} 23'54	
	6220 Aug 23 19:25	0° \mathbb{E}			6221 Jul 29 00:59	0° \mathbb{H}	
desc. node	6220 Aug 25 10:29	1° \mathbb{E} 51'10		evening max el	6221 Aug 09 13:52	14° \mathbb{H} 59'57	23°46'16
evening max el	6220 Aug 28 01:33	4° \mathbb{E} 32'55	25°20'02	desc. node	6221 Aug 12 07:31	17° \mathbb{H} 24'31	
retrograde	6220 Sep 10 23:36	11° \mathbb{E} 35'50		retrograde	6221 Aug 23 05:51	21° \mathbb{H} 51'40	
evening set	6220 Sep 16 19:46	10° \mathbb{E} 17'19		evening set	6221 Aug 27 15:48	21° \mathbb{H} 08'47	
min. Earth dist.	6220 Sep 21 13:10	7° \mathbb{E} 37'47	0.57682 AU	min. Earth dist.	6221 Sep 03 00:02	18° \mathbb{H} 06'20	0.55982 AU
inferior conj	6220 Sep 24 13:52	5° \mathbb{E} 33'46	-5°17'18	inferior conj	6221 Sep 05 04:49	16° \mathbb{H} 46'44	-5°19'08
minimum elong	6220 Sep 24 17:10	5° \mathbb{E} 28'06	5°17'02	minimum elong	6221 Sep 05 01:42	16° \mathbb{H} 51'27	5°18'56
morning rise	6220 Oct 02 16:51	1° \mathbb{E} 19'22		morning rise	6221 Sep 13 14:01	12° \mathbb{H} 51'19	
direct	6220 Oct 05 04:25	1° \mathbb{E} 00'53		direct	6221 Sep 16 09:21	12° \mathbb{H} 31'31	
morning max el	6220 Oct 13 23:12	5° \mathbb{E} 11'19	18°58'24	morning max el	6221 Sep 26 15:06	17° \mathbb{H} 18'05	20°03'47
				asc. node	6221 Oct 03 12:38	25° \mathbb{H} 47'27	


































































































































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morning set	6221 Oct 14 18:56	16°♄24'54		minimum elong	6222 Aug 15 18:39	27°♄30'35	4°28'02
	6221 Oct 21 10:34	0°♄		morning rise	6222 Aug 24 16:23	23°♄28'57	
				direct	6222 Aug 27 22:36	23°♄05'15	
superior conj	6221 Oct 22 11:47	2°♄06'53	1°38'36	morning max el	6222 Sep 08 18:32	28°♄37'42	21°30'02
minimum elong	6221 Oct 22 13:23	2°♄14'50	1°38'31		6222 Sep 10 04:05	0°♄	
max. Earth dist.	6221 Oct 28 02:49	13°♄05'51	1.36881 AU	asc. node	6222 Sep 20 09:39	14°♄14'10	
evening rise	6221 Oct 31 22:05	20°♄08'33			6222 Sep 28 14:19	0°♄	
	6221 Nov 06 13:16	0°♄		morning set	6222 Sep 29 03:53	1°♄10'27	
desc. node	6221 Nov 08 06:45	2°♄53'29					
	6221 Nov 26 15:13	0°♄		superior conj	6222 Oct 06 10:13	16°♄26'48	1°42'45
evening max el	6221 Dec 06 14:22	11°♄27'05	25°43'28	minimum elong	6222 Oct 06 10:21	16°♄27'29	1°42'45
retrograde	6221 Dec 18 23:05	18°♄31'47		max. Earth dist.	6222 Oct 10 14:03	24°♄57'39	1.35053 AU
evening set	6221 Dec 24 23:25	16°♄02'50			6222 Oct 13 03:17	0°♄	
min. Earth dist.	6221 Dec 29 07:22	11°♄21'00	0.67116 AU	evening rise	6222 Oct 14 20:18	3°♄17'16	
asc. node	6221 Dec 30 11:52	9°♄50'35		desc. node	6222 Oct 26 03:45	23°♄13'14	
inferior conj	6221 Dec 30 15:44	9°♄38'18	0°03'16		6222 Oct 30 10:55	0°♄	
minimum elong	6221 Dec 30 15:38	9°♄38'34	0°03'16	evening max el	6222 Nov 19 03:20	25°♄08'32	26°41'46
transit middle	6221 Dec 30 15:38	9°♄38'34	0°03'16		6222 Nov 25 03:27	0°♄	
transit begin	6221 Dec 30 12:53	9°♄47'21		retrograde	6222 Dec 02 04:22	2°♄24'40	
transit end	6221 Dec 30 18:24	9°♄29'48			6222 Dec 08 10:55	30°♄	
morning rise	6222 Jan 05 08:19	3°♄45'53		evening set	6222 Dec 08 17:02	29°♄47'52	
direct	6222 Jan 08 15:13	2°♄43'51		min. Earth dist.	6222 Dec 12 18:35	25°♄40'56	0.66041 AU
morning max el	6222 Jan 15 13:16	6°♄33'04	19°03'57	inferior conj	6222 Dec 14 14:23	23°♄31'28	-0°56'26
	6222 Feb 01 10:59	0°♄		minimum elong	6222 Dec 14 15:58	23°♄26'46	0°55'42
desc. node	6222 Feb 04 06:03	4°♄19'21		asc. node	6222 Dec 17 08:55	20°♄25'20	
morning set	6222 Feb 07 10:48	9°♄17'22		morning rise	6222 Dec 20 15:45	17°♄49'43	
	6222 Feb 20 17:13	0°♄		direct	6222 Dec 23 12:54	17°♄03'32	
max. Earth dist.	6222 Feb 21 15:14	1°♄26'31	1.45068 AU	morning max el	6222 Dec 30 01:57	20°♄35'36	18°21'49
					6223 Jan 06 09:56	0°♄	
superior conj	6222 Feb 24 02:19	5°♄19'17	-1°53'16	morning set	6223 Jan 18 16:13	19°♄18'31	
minimum elong	6222 Feb 23 18:08	4°♄46'58	1°52'40	desc. node	6223 Jan 22 03:03	24°♄50'07	
evening rise	6222 Mar 10 21:29	29°♄07'37			6223 Jan 25 08:51	0°♄	
	6222 Mar 11 10:17	0°♄					
asc. node	6222 Mar 28 11:04	26°♄22'41		superior conj	6223 Feb 03 05:56	14°♄00'21	-1°18'30
evening max el	6222 Mar 30 21:11	29°♄06'51	18°30'21	minimum elong	6223 Feb 02 21:00	13°♄25'19	1°17'27
	6222 Mar 31 19:30	0°♄		max. Earth dist.	6223 Feb 04 10:07	15°♄50'50	1.45399 AU
retrograde	6222 Apr 06 09:21	2°♄39'49			6223 Feb 13 11:07	0°♄	
evening set	6222 Apr 09 12:24	1°♄45'11		evening rise	6223 Feb 19 06:34	9°♄07'00	
	6222 Apr 11 19:44	30°♄		greatest brilliancy	6223 Mar 01 19:07	25°♄35'28	-0.8m
inferior conj	6222 Apr 15 06:53	26°♄13'26	3°29'01		6223 Mar 04 16:36	0°♄	
minimum elong	6222 Apr 15 07:13	26°♄12'26	3°29'00	evening max el	6223 Mar 14 06:33	12°♄39'13	19°08'31
min. Earth dist.	6222 Apr 17 10:16	23°♄41'19	0.64698 AU	asc. node	6223 Mar 15 08:07	13°♄40'45	
morning rise	6222 Apr 21 01:16	19°♄59'51		retrograde	6223 Mar 21 05:03	16°♄34'21	
direct	6222 Apr 27 18:21	17°♄12'16		evening set	6223 Mar 24 15:20	15°♄25'57	
desc. node	6222 May 03 05:19	18°♄44'05		inferior conj	6223 Mar 30 03:44	9°♄38'00	3°25'45
morning max el	6222 May 11 07:18	25°♄08'22	27°19'15	minimum elong	6223 Mar 30 02:46	9°♄41'06	3°25'41
	6222 May 15 17:32	0°♄		min. Earth dist.	6223 Mar 31 15:38	7°♄43'10	0.66225 AU
	6222 Jun 05 07:42	0°♄		morning rise	6223 Apr 04 13:50	3°♄22'23	
morning set	6222 Jun 15 16:34	18°♄55'15		direct	6223 Apr 10 22:29	0°♄34'40	
max. Earth dist.	6222 Jun 20 08:19	28°♄15'19	1.33473 AU	desc. node	6223 Apr 20 02:21	4°♄50'14	
	6222 Jun 21 04:36	0°♄		morning max el	6223 Apr 23 17:14	8°♄10'59	26°18'51
					6223 May 10 17:47	0°♄	
superior conj	6222 Jun 23 21:29	5°♄40'10	-0°05'31		6223 May 28 18:29	0°♄	
minimum elong	6222 Jun 23 21:46	5°♄41'42	0°05'30	morning set	6223 May 29 18:58	1°♄53'48	
behind sun begin	6222 Jun 23 16:34	5°♄14'07		max. Earth dist.	6223 Jun 02 18:52	9°♄32'36	1.34953 AU
behind sun end	6222 Jun 24 02:59	6°♄09'19					
asc. node	6222 Jun 24 10:20	6°♄48'16		superior conj	6223 Jun 07 18:38	19°♄32'35	-0°35'28
evening rise	6222 Jul 01 02:39	21°♄03'11		minimum elong	6223 Jun 07 20:37	19°♄42'44	0°35'07
	6222 Jul 05 11:19	0°♄		asc. node	6223 Jun 11 07:21	26°♄50'43	
evening max el	6222 Jul 22 04:06	25°♄19'25	22°08'42		6223 Jun 12 19:38	0°♄	
	6222 Jul 28 09:49	0°♄		evening rise	6223 Jun 15 11:09	5°♄30'14	
desc. node	6222 Jul 30 04:31	0°♄47'34			6223 Jun 29 01:53	0°♄	
retrograde	6222 Aug 04 00:02	1°♄41'38		evening max el	6223 Jul 04 03:59	6°♄03'09	20°41'22
evening set	6222 Aug 06 22:33	1°♄22'29		retrograde	6223 Jul 15 12:03	11°♄37'48	
	6222 Aug 11 00:08	30°♄		desc. node	6223 Jul 17 01:32	11°♄31'51	
min. Earth dist.	6222 Aug 15 09:38	27°♄43'15	0.54946 AU	evening set	6223 Jul 17 13:44	11°♄27'25	

inferior conj	6223 Jul 26 20:08	7°Ω30'34	-2°52'19	inferior conj	6224 Jul 05 22:11	17°♄55'49	-0°53'59
minimum elong	6223 Jul 26 12:23	7°Ω41'39	2°49'42	minimum elong	6224 Jul 05 19:45	17°♄59'42	0°53'05
min. Earth dist.	6223 Jul 27 20:06	6°Ω56'18	0.54815 AU	min. Earth dist.	6224 Jul 08 08:56	16°♄22'34	0.55642 AU
morning rise	6223 Aug 04 10:39	3°Ω27'49		morning rise	6224 Jul 14 08:09	13°♄22'01	
direct	6223 Aug 08 07:41	2°Ω55'32		direct	6224 Jul 19 00:40	12°♄32'48	
morning max el	6223 Aug 21 11:45	9°Ω15'49	23°11'21	morning max el	6224 Aug 02 00:57	19°♄34'18	24°55'22
	6223 Sep 05 12:15	0°♍			6224 Aug 10 20:46	0°♍	
asc. node	6223 Sep 07 06:41	3°♍15'19		asc. node	6224 Aug 24 03:42	22°♍41'46	
morning set	6223 Sep 13 15:06	16°♍01'35			6224 Aug 27 16:53	0°♍	
	6223 Sep 20 03:10	0°♌		morning set	6224 Aug 28 02:49	0°♍52'39	
superior conj	6223 Sep 20 15:21	1°♌05'27	1°40'06	superior conj	6224 Sep 04 00:40	15°♍54'36	1°31'34
minimum elong	6223 Sep 20 14:17	0°♌59'43	1°40'04	minimum elong	6224 Sep 03 22:47	15°♍44'16	1°31'23
max. Earth dist.	6223 Sep 23 10:02	6°♌59'53	1.33599 AU	max. Earth dist.	6224 Sep 05 14:00	19°♍18'16	1.32572 AU
evening rise	6223 Sep 28 07:57	17°♌03'13			6224 Sep 10 14:43	0°♌	
	6223 Oct 05 04:25	0°♍		evening rise	6224 Sep 11 05:26	1°♌15'49	
desc. node	6223 Oct 13 00:45	13°♍13'12			6224 Sep 27 02:52	0°♍	
	6223 Oct 24 21:08	0°♎		desc. node	6224 Sep 28 21:47	2°♍44'21	
evening max el	6223 Nov 01 16:03	8°♎37'13	27°18'30	evening max el	6224 Oct 14 02:28	21°♍39'02	27°27'08
retrograde	6223 Nov 15 03:31	15°♎55'30		retrograde	6224 Oct 27 20:02	28°♍54'33	
evening set	6223 Nov 22 02:09	13°♎17'24		evening set	6224 Nov 03 23:44	26°♍24'18	
min. Earth dist.	6223 Nov 25 22:00	9°♎44'47	0.64623 AU	min. Earth dist.	6224 Nov 07 15:35	23°♍22'18	0.62885 AU
inferior conj	6223 Nov 28 05:37	7°♎14'44	-2°00'21	inferior conj	6224 Nov 10 10:34	20°♍40'24	-3°05'56
minimum elong	6223 Nov 28 09:11	7°♎05'04	1°58'52	minimum elong	6224 Nov 10 16:06	20°♍27'01	3°03'57
asc. node	6223 Dec 04 05:58	2°♎00'32		morning rise	6224 Nov 17 10:13	15°♍29'42	
morning rise	6223 Dec 04 17:31	1°♎46'45		direct	6224 Nov 19 18:52	15°♍03'52	
direct	6223 Dec 07 07:10	1°♎12'34		asc. node	6224 Nov 20 03:02	15°♍04'25	
morning max el	6223 Dec 13 18:17	4°♎37'09	17°56'36	morning max el	6224 Nov 26 11:14	18°♍29'50	17°48'56
	6223 Dec 30 15:46	0°♏			6224 Dec 04 19:38	0°♎	
morning set	6223 Dec 31 03:03	0°♏47'19		morning set	6224 Dec 12 13:58	13°♎25'08	
desc. node	6224 Jan 09 00:03	15°♏29'59			6224 Dec 22 03:29	0°♏	
superior conj	6224 Jan 13 18:37	23°♏13'09	-0°33'15	superior conj	6224 Dec 24 06:40	3°♏35'16	0°11'25
minimum elong	6224 Jan 13 14:40	22°♏57'17	0°32'40	minimum elong	6224 Dec 24 07:49	3°♏40'02	0°11'18
max. Earth dist.	6224 Jan 18 05:47	0°♐19'10	1.44986 AU	behind sun begin	6224 Dec 24 01:13	3°♏12'27	
	6224 Jan 18 00:56	0°♐		behind sun end	6224 Dec 24 14:25	4°♏07'35	
evening rise	6224 Jan 29 22:04	18°♐29'35		desc. node	6224 Dec 25 21:03	6°♏14'50	
	6224 Feb 06 10:47	0°♑		max. Earth dist.	6224 Dec 30 23:02	14°♏32'23	1.43878 AU
greatest brilliancy	6224 Feb 13 12:10	10°♑33'35	-0.6m	evening rise	6225 Jan 08 08:57	27°♏47'48	
evening max el	6224 Feb 25 11:15	26°♑14'20	20°02'30		6225 Jan 09 19:16	0°♐	
asc. node	6224 Mar 01 05:10	29°♑57'03			6225 Jan 30 07:37	0°♑	
	6224 Mar 01 07:37	0°♒		evening max el	6225 Feb 07 10:23	9°♑50'03	21°09'39
retrograde	6224 Mar 04 03:07	0°♒41'31		retrograde	6225 Feb 16 01:22	14°♑56'10	
	6224 Mar 06 19:20	30°♒♑		asc. node	6225 Feb 16 02:15	14°♑56'09	
evening set	6224 Mar 07 21:41	29°♒18'35		evening set	6225 Feb 20 05:30	13°♒18'13	
inferior conj	6224 Mar 13 06:42	23°♒16'23	3°09'49	inferior conj	6225 Feb 25 13:19	7°♒04'20	2°43'31
minimum elong	6224 Mar 13 04:51	23°♒22'40	3°09'30	minimum elong	6225 Feb 25 11:01	7°♒12'19	2°42'56
min. Earth dist.	6224 Mar 14 04:07	22°♒04'16	0.67317 AU	min. Earth dist.	6225 Feb 25 21:38	6°♒35'33	0.67971 AU
morning rise	6224 Mar 18 11:48	17°♒01'12		morning rise	6225 Mar 02 16:23	0°♒51'09	
direct	6224 Mar 24 08:11	14°♒24'22			6225 Mar 03 17:52	30°♒♐	
morning max el	6224 Apr 05 02:19	21°♒26'13	24°59'13	direct	6225 Mar 07 22:41	28°♐32'31	
desc. node	6224 Apr 05 23:23	22°♒20'33			6225 Mar 12 14:29	0°♒	
	6224 Apr 12 12:36	0°♓		morning max el	6225 Mar 18 11:25	4°♒48'33	23°30'34
	6224 May 02 23:38	0°♓		desc. node	6225 Mar 23 20:24	10°♒50'56	
morning set	6224 May 11 04:27	14°♓00'50			6225 Apr 06 20:13	0°♓	
max. Earth dist.	6224 May 14 19:29	20°♓35'53	1.36857 AU	morning set	6225 Apr 22 15:20	25°♓01'28	
	6224 May 19 18:33	0°♔			6225 Apr 25 13:02	0°♓	
superior conj	6224 May 21 05:57	2°♔52'42	-1°05'57	max. Earth dist.	6225 Apr 26 15:20	1°♓54'39	1.39022 AU
minimum elong	6224 May 21 09:44	3°♔11'19	1°05'20	superior conj	6225 May 04 03:39	15°♓31'04	-1°34'30
asc. node	6224 May 28 04:23	16°♔45'29		minimum elong	6225 May 04 08:47	15°♓55'03	1°33'52
evening rise	6224 May 29 14:50	19°♔38'59			6225 May 11 17:16	0°♔	
	6224 Jun 03 21:50	0°♕		evening rise	6225 May 13 10:51	3°♔21'50	
evening max el	6224 Jun 15 16:36	17°♕28'18	19°32'05	asc. node	6225 May 15 01:26	6°♔28'18	
retrograde	6224 Jun 25 07:14	22°♕11'15		evening max el	6225 May 29 16:33	29°♔35'53	18°43'22
evening set	6224 Jun 27 04:53	22°♕00'58			6225 May 30 02:38	0°♕	
desc. node	6224 Jul 02 22:36	19°♕45'05		retrograde	6225 Jun 06 19:27	3°♕36'17	

evening set	6225 Jun 08 21:54	3°☿21'09		retrograde	6226 May 20 02:21	15°♄49'59	
	6225 Jun 15 10:06	30°♄II		evening set	6226 May 22 12:01	15°♄26'16	
inferior conj	6225 Jun 16 19:39	28°♄58'41	0°52'24	inferior conj	6226 May 29 14:40	10°♄43'36	2°10'34
minimum elong	6225 Jun 16 21:35	28°♄55'06	0°51'40	minimum elong	6226 May 29 18:00	10°♄36'21	2°09'36
desc. node	6225 Jun 19 19:39	26°♄45'29		min. Earth dist.	6226 Jun 02 00:30	7°♄47'16	0.59349 AU
min. Earth dist.	6225 Jun 20 01:52	26°♄34'25	0.57255 AU	morning rise	6226 Jun 05 21:01	5°♄02'58	
morning rise	6225 Jun 24 17:50	23°♄47'59		desc. node	6226 Jun 06 16:41	4°♄36'26	
direct	6225 Jun 30 07:54	22°♄31'10		direct	6226 Jun 12 05:01	3°♄12'27	
morning max el	6225 Jul 14 16:40	0°☿03'02	26°25'39	morning max el	6226 Jun 26 14:08	11°♄03'06	27°27'43
	6225 Jul 14 15:24	0°☿			6226 Jul 11 08:00	0°☿	
	6225 Aug 04 16:36	0°♄		morning set	6226 Jul 27 21:15	0°♄14'32	
asc. node	6225 Aug 11 00:43	12°♄26'38			6226 Jul 27 18:28	0°♄	
morning set	6225 Aug 12 13:27	15°♄39'04		asc. node	6226 Jul 28 21:45	2°♄23'28	
	6225 Aug 19 03:28	0°♄					
superior conj	6225 Aug 19 12:09	0°♄48'03	1°17'50	superior conj	6226 Aug 03 23:54	15°♄38'52	0°59'28
minimum elong	6225 Aug 19 09:54	0°♄35'33	1°17'30	minimum elong	6226 Aug 03 21:44	15°♄26'53	0°59'03
max. Earth dist.	6225 Aug 19 23:13	1°♄49'12	1.31985 AU	max. Earth dist.	6226 Aug 03 10:03	14°♄22'23	1.31832 AU
evening rise	6225 Aug 26 09:51	15°♄47'07		evening rise	6226 Aug 10 18:42	0°♄28'52	
	6225 Sep 02 13:23	0°♄			6226 Aug 10 13:17	0°♄	
desc. node	6225 Sep 15 18:50	21°♄34'57		desc. node	6226 Sep 02 15:53	9°♄28'02	
	6225 Sep 22 10:58	0°♄		evening max el	6226 Sep 08 06:29	15°♄34'54	26°05'50
evening max el	6225 Sep 26 08:01	4°♄01'12	27°03'02	retrograde	6226 Sep 22 05:28	22°♄41'27	
retrograde	6225 Oct 10 05:10	11°♄12'30		evening set	6226 Sep 28 15:37	21°♄02'04	
evening set	6225 Oct 17 05:51	9°♄01'47		min. Earth dist.	6226 Oct 02 19:26	18°♄27'07	0.58819 AU
min. Earth dist.	6225 Oct 20 22:28	6°♄21'02	0.60900 AU	inferior conj	6226 Oct 06 00:21	16°♄04'32	-4°58'55
inferior conj	6225 Oct 24 01:59	3°♄40'12	-4°08'20	minimum elong	6226 Oct 06 05:53	15°♄54'13	4°58'01
minimum elong	6225 Oct 24 08:38	3°♄26'01	4°06'31	morning rise	6226 Oct 13 22:26	11°♄36'53	
	6225 Oct 28 22:55	30°♄♄		direct	6226 Oct 16 06:52	11°♄18'23	
morning rise	6225 Oct 31 13:32	28°♄50'00		morning max el	6226 Oct 24 09:40	15°♄13'49	18°30'54
direct	6225 Nov 02 20:11	28°♄29'18		asc. node	6226 Oct 24 21:04	15°♄41'58	
asc. node	6225 Nov 07 00:03	29°♄41'39			6226 Nov 03 16:07	0°♄	
	6225 Nov 07 12:01	0°♄		morning set	6226 Nov 09 11:24	10°♄54'30	
morning max el	6225 Nov 10 01:31	2°♄05'19	17°59'52				
morning set	6225 Nov 25 18:31	26°♄52'34		superior conj	6226 Nov 18 09:01	27°♄54'05	1°15'26
	6225 Nov 27 11:05	0°♄		minimum elong	6226 Nov 18 12:35	28°♄10'39	1°15'03
superior conj	6225 Dec 05 20:47	15°♄12'52	0°48'25		6226 Nov 19 12:14	0°♄	
minimum elong	6225 Dec 06 00:18	15°♄28'20	0°47'58	max. Earth dist.	6226 Nov 25 18:34	11°♄12'05	1.40186 AU
desc. node	6225 Dec 12 18:04	27°♄01'24		desc. node	6226 Nov 29 15:05	17°♄46'11	
max. Earth dist.	6225 Dec 13 11:17	28°♄13'02	1.42210 AU	evening rise	6226 Nov 30 00:57	18°♄27'19	
	6225 Dec 14 13:10	0°♄			6226 Dec 07 04:42	0°♄	
evening rise	6225 Dec 19 06:39	7°♄39'10		evening max el	6227 Jan 03 18:57	7°♄08'45	23°46'01
	6226 Jan 03 00:03	0°♄		retrograde	6227 Jan 14 15:25	13°♄32'38	
evening max el	6226 Jan 21 04:23	23°♄27'23	22°25'57	evening set	6227 Jan 19 18:53	11°♄24'26	
retrograde	6226 Jan 30 21:56	29°♄14'26		asc. node	6227 Jan 20 20:19	10°♄25'14	
asc. node	6226 Feb 02 23:18	28°♄25'55		min. Earth dist.	6227 Jan 24 14:39	5°♄48'15	0.68077 AU
evening set	6226 Feb 04 13:05	27°♄21'13		inferior conj	6227 Jan 25 05:27	4°♄57'49	1°25'17
inferior conj	6226 Feb 09 21:31	20°♄58'59	2°08'19	minimum elong	6227 Jan 25 03:38	5°♄03'59	1°24'38
minimum elong	6226 Feb 09 19:14	21°♄06'56	2°07'36		6227 Jan 29 06:11	30°♄♄	
min. Earth dist.	6226 Feb 09 17:56	21°♄11'26	0.68217 AU	morning rise	6227 Jan 30 12:22	28°♄53'11	
morning rise	6226 Feb 15 01:15	14°♄49'13		direct	6227 Feb 03 14:26	27°♄18'59	
direct	6226 Feb 19 17:07	12°♄52'26			6227 Feb 09 13:29	0°♄	
morning max el	6226 Feb 28 23:19	18°♄18'03	22°02'24	morning max el	6227 Feb 11 17:27	1°♄58'27	20°42'29
desc. node	6226 Mar 10 17:24	0°♄04'31		desc. node	6227 Feb 25 14:25	19°♄49'38	
	6226 Mar 10 16:04	0°♄			6227 Mar 04 11:57	0°♄	
	6226 Mar 30 23:35	0°♄		morning set	6227 Mar 13 03:51	13°♄14'53	
morning set	6226 Apr 02 22:27	4°♄42'46		max. Earth dist.	6227 Mar 21 18:04	26°♄52'44	1.43136 AU
max. Earth dist.	6226 Apr 08 13:09	13°♄55'41	1.41209 AU		6227 Mar 23 16:07	0°♄	
superior conj	6226 Apr 16 07:04	27°♄15'58	-1°57'23	superior conj	6227 Mar 28 11:31	7°♄57'57	-2°09'28
minimum elong	6226 Apr 16 11:56	27°♄37'31	1°57'03	minimum elong	6227 Mar 28 13:02	8°♄04'17	2°09'28
	6226 Apr 17 19:55	0°♄		evening rise	6227 Apr 09 12:54	28°♄50'40	
evening rise	6226 Apr 26 19:36	16°♄28'45			6227 Apr 10 04:33	0°♄	
asc. node	6226 May 01 22:29	25°♄53'12		asc. node	6227 Apr 18 19:32	14°♄54'18	
	6226 May 04 06:39	0°♄		evening max el	6227 Apr 26 12:24	25°♄22'19	18°06'09
evening max el	6226 May 13 00:21	12°♄16'55	18°14'59	retrograde	6227 May 03 01:01	28°♄44'01	

evening set	6227 May 05 17:44	28°♄09'12		retrograde	6228 Apr 15 11:03	12°♄07'57	
inferior conj	6227 May 12 04:44	23°♄06'18	2°59'22	evening set	6228 Apr 18 10:21	11°♄20'41	
minimum elong	6227 May 12 07:24	22°♄59'37	2°58'50	inferior conj	6228 Apr 24 09:46	5°♄58'47	3°23'48
min. Earth dist.	6227 May 15 06:41	20°♄02'46	0.61577 AU	minimum elong	6228 Apr 24 10:59	5°♄55'22	3°23'41
morning rise	6227 May 18 19:08	17°♄06'30		min. Earth dist.	6228 Apr 26 21:53	3°♄10'36	0.63652 AU
desc. node	6227 May 24 13:43	14°♄48'22		morning rise	6228 Apr 30 10:32	29°♃48'29	
direct	6227 May 25 13:11	14°♄45'30			6228 Apr 30 04:49	30°♃♂	
morning max el	6227 Jun 08 17:51	22°♄45'03	27°53'20	direct	6228 May 07 06:00	27°♃07'13	
	6227 Jun 15 03:46	0°♂		desc. node	6228 May 10 10:43	27°♃38'39	
	6227 Jul 04 12:29	0°♂			6228 May 15 02:05	0°♄	
morning set	6227 Jul 12 00:19	14°♂33'24		morning max el	6228 May 21 02:08	5°♄07'01	27°41'30
asc. node	6227 Jul 15 18:46	22°♂27'34			6228 Jun 08 21:21	0°♂	
max. Earth dist.	6227 Jul 17 18:53	26°♂47'07	1.32117 AU	morning set	6228 Jun 24 20:21	28°♂28'50	
					6228 Jun 25 14:35	0°♂	
superior conj	6227 Jul 19 10:08	0°♂21'27	0°36'57	max. Earth dist.	6228 Jun 29 21:49	8°♂51'51	1.32848 AU
minimum elong	6227 Jul 19 08:33	0°♂12'44	0°36'35	asc. node	6228 Jul 01 15:48	12°♂34'37	
	6227 Jul 19 06:13	0°♂					
evening rise	6227 Jul 26 05:55	15°♂14'49		superior conj	6228 Jul 02 17:03	14°♂50'01	0°10'52
	6227 Aug 02 13:20	0°♄		minimum elong	6228 Jul 02 16:32	14°♂47'10	0°10'42
desc. node	6227 Aug 20 12:54	26°♄00'54		behind sun begin	6228 Jul 02 12:32	14°♂25'43	
evening max el	6227 Aug 20 21:41	26°♄22'12	24°41'40	behind sun end	6228 Jul 02 20:31	15°♂08'38	
	6227 Aug 25 07:09	0°♂		evening rise	6228 Jul 09 17:39	29°♂58'49	
retrograde	6227 Sep 03 18:26	3°♂21'09			6228 Jul 09 17:52	0°♂	
evening set	6227 Sep 09 00:58	2°♂18'52			6228 Jul 26 14:33	0°♄	
	6227 Sep 13 14:24	30°♃♄		evening max el	6228 Aug 01 09:51	6°♄42'21	23°04'12
min. Earth dist.	6227 Sep 14 08:56	29°♄31'24	0.56898 AU	desc. node	6228 Aug 06 09:56	10°♄43'42	
inferior conj	6227 Sep 17 02:54	27°♄44'58	-5°23'35	retrograde	6228 Aug 14 18:51	13°♄23'34	
minimum elong	6227 Sep 17 03:45	27°♄43'35	5°23'34	evening set	6228 Aug 18 13:11	12°♄52'35	
morning rise	6227 Sep 25 08:49	23°♄39'11		min. Earth dist.	6228 Aug 25 18:36	9°♄36'22	0.55447 AU
direct	6227 Sep 27 23:19	23°♄20'19		inferior conj	6228 Aug 27 10:01	8°♄39'18	-5°04'56
morning max el	6227 Oct 07 08:10	27°♄45'11	19°23'31	minimum elong	6228 Aug 27 04:03	8°♄47'59	5°04'08
	6227 Oct 09 11:38	0°♂		morning rise	6228 Sep 04 21:07	4°♄48'40	
asc. node	6227 Oct 11 18:04	2°♂50'33		direct	6228 Sep 07 21:00	4°♄27'27	
morning set	6227 Oct 24 12:41	25°♂19'43		morning max el	6228 Sep 18 18:41	9°♄32'10	20°38'10
	6227 Oct 26 20:33	0°♄		asc. node	6228 Sep 27 15:06	20°♄52'57	
					6228 Oct 02 18:59	0°♂	
superior conj	6227 Nov 01 14:03	11°♄23'50	1°32'41	morning set	6228 Oct 07 19:34	10°♂00'35	
minimum elong	6227 Nov 01 16:28	11°♄35'43	1°32'31				
max. Earth dist.	6227 Nov 07 23:47	23°♄32'19	1.38057 AU	superior conj	6228 Oct 15 07:17	25°♂29'27	1°41'15
evening rise	6227 Nov 11 17:44	0°♄15'54		minimum elong	6228 Oct 15 08:14	25°♂34'18	1°41'14
	6227 Nov 11 14:07	0°♄			6228 Oct 17 12:50	0°♄	
desc. node	6227 Nov 16 12:05	8°♄25'00		max. Earth dist.	6228 Oct 20 07:40	5°♄29'27	1.36063 AU
	6227 Nov 30 11:42	0°♂		evening rise	6228 Oct 24 06:24	12°♄58'44	
evening max el	6227 Dec 17 07:59	20°♂53'25	25°03'17	desc. node	6228 Nov 02 09:07	28°♄53'45	
retrograde	6227 Dec 29 04:36	27°♂45'37			6228 Nov 03 01:17	0°♄	
evening set	6228 Jan 03 21:21	25°♂23'34			6228 Nov 24 11:30	0°♂	
asc. node	6228 Jan 07 17:21	21°♂13'26		evening max el	6228 Nov 28 20:48	4°♂38'02	26°10'27
min. Earth dist.	6228 Jan 08 09:24	20°♂21'47	0.67571 AU	retrograde	6228 Dec 11 12:51	11°♂48'20	
inferior conj	6228 Jan 09 11:16	18°♂57'07	0°35'05	evening set	6228 Dec 17 18:46	9°♂15'16	
minimum elong	6228 Jan 09 10:24	18°♂59'54	0°34'47	min. Earth dist.	6228 Dec 21 23:55	4°♂48'31	0.66705 AU
morning rise	6228 Jan 14 23:41	12°♂59'37		inferior conj	6228 Dec 23 13:07	2°♂53'48	-0°21'25
direct	6228 Jan 18 13:12	11°♂46'32		minimum elong	6228 Dec 23 13:42	2°♂52'02	0°21'07
morning max el	6228 Jan 25 19:32	15°♂50'19	19°35'35	asc. node	6228 Dec 24 14:22	1°♂36'47	
	6228 Feb 05 19:15	0°♄			6228 Dec 26 00:04	30°♃♄	
greatest brilliancy	6228 Feb 07 18:13	2°♄52'32	-0.7m	morning rise	6228 Dec 29 09:13	27°♄05'47	
desc. node	6228 Feb 12 11:24	9°♄57'10		direct	6229 Jan 01 11:48	26°♄10'52	
morning set	6228 Feb 20 00:42	21°♄30'56		morning max el	6229 Jan 08 05:00	29°♄51'06	18°44'04
	6228 Feb 25 12:04	0°♄			6229 Jan 08 08:34	0°♂	
max. Earth dist.	6228 Mar 03 06:39	10°♄38'24	1.44555 AU	desc. node	6229 Jan 29 08:24	0°♄21'03	
					6229 Jan 29 03:03	0°♄	
superior conj	6228 Mar 07 14:38	17°♄33'09	-2°04'58	morning set	6229 Jan 29 13:50	0°♄42'24	
minimum elong	6228 Mar 07 09:45	17°♄13'32	2°04'45	max. Earth dist.	6229 Feb 14 00:15	24°♄54'31	1.45302 AU
	6228 Mar 15 05:59	0°♃					
evening rise	6228 Mar 21 10:12	10°♃18'36		superior conj	6229 Feb 14 22:12	26°♄20'38	-1°40'29
	6228 Apr 02 09:03	0°♄		minimum elong	6229 Feb 14 12:47	25°♄43'40	1°39'36
asc. node	6228 Apr 04 16:34	3°♄23'26			6229 Feb 17 06:03	0°♄	
evening max el	6228 Apr 09 01:25	8°♄42'57	18°16'14	evening rise	6229 Mar 02 08:27	20°♄49'08	

	6229 Mar 08 01:31	0°♿			6230 Mar 02 00:21	0°♿	
greatest brilliancy	6229 Mar 09 13:30	2°♿23'59 -0.9m	evening max el	6230 Mar 06 20:10	5°♿46'00 19°29'41		
asc. node	6229 Mar 22 13:36	21°♿10'58	asc. node	6230 Mar 09 10:39	8°♿04'48		
evening max el	6229 Mar 23 12:41	22°♿12'15 18°44'28	retrograde	6230 Mar 14 01:27	9°♿54'14		
retrograde	6229 Mar 30 04:19	25°♿53'29	evening set	6230 Mar 17 15:01	8°♿39'50		
evening set	6229 Apr 02 10:21	24°♿52'58	inferior conj	6230 Mar 23 01:40	2°♿45'28 3°20'26		
inferior conj	6229 Apr 08 01:51	19°♿13'49 3°29'23	minimum elong	6230 Mar 23 00:16	2°♿50'04 3°20'15		
minimum elong	6229 Apr 08 01:36	19°♿14'36 3°29'22	min. Earth dist.	6230 Mar 24 07:15	1°♿08'19 0.66733 AU		
min. Earth dist.	6229 Apr 09 22:28	16°♿56'45 0.65398 AU		6230 Mar 25 04:36	30°♿		
morning rise	6229 Apr 13 16:18	12°♿58'52	morning rise	6230 Mar 28 09:13	26°♿29'30		
direct	6229 Apr 20 06:13	10°♿10'03	direct	6230 Apr 03 12:52	23°♿45'16		
desc. node	6229 Apr 27 07:45	12°♿43'07	desc. node	6230 Apr 14 04:46	29°♿28'45		
morning max el	6229 May 03 12:25	17°♿59'21 26°56'36		6230 Apr 14 18:01	0°♿		
	6229 May 13 14:17	0°♿	morning max el	6230 Apr 15 22:16	1°♿09'38 25°46'50		
	6229 Jun 01 19:51	0°♿		6230 May 07 14:43	0°♿		
morning set	6229 Jun 08 06:20	11°♿51'46	morning set	6230 May 22 02:17	24°♿31'23		
max. Earth dist.	6229 Jun 12 15:15	20°♿27'46 1.34049 AU		6230 May 25 00:51	0°♿		
			max. Earth dist.	6230 May 25 21:16	1°♿37'06 1.35712 AU		
superior conj	6229 Jun 16 18:30	28°♿57'45 -0°18'02					
minimum elong	6229 Jun 16 19:28	29°♿02'50 0°17'52	superior conj	6230 May 31 11:55	12°♿38'12 -0°48'27		
	6229 Jun 17 06:23	0°♿	minimum elong	6230 May 31 14:41	12°♿52'06 0°47'57		
asc. node	6229 Jun 18 12:50	2°♿40'06	asc. node	6230 Jun 05 09:53	22°♿40'26		
evening rise	6229 Jun 24 03:57	14°♿34'13	evening rise	6230 Jun 08 10:46	28°♿55'04		
	6229 Jul 01 23:45	0°♿		6230 Jun 08 23:30	0°♿		
evening max el	6229 Jul 14 03:17	17°♿08'30 21°29'34	evening max el	6230 Jun 26 08:35	28°♿09'50 20°09'28		
desc. node	6229 Jul 24 06:58	23°♿02'12		6230 Jun 28 10:10	0°♿		
retrograde	6229 Jul 26 09:33	23°♿12'48	retrograde	6230 Jul 06 23:22	3°♿22'19		
evening set	6229 Jul 28 20:57	22°♿58'48	evening set	6230 Jul 08 21:20	3°♿12'53		
inferior conj	6229 Aug 07 04:22	18°♿59'12 -3°53'17	desc. node	6230 Jul 11 04:00	2°♿38'45		
minimum elong	6229 Aug 06 19:16	19°♿11'57 3°50'44		6230 Jul 16 16:31	30°♿		
min. Earth dist.	6229 Aug 07 04:12	18°♿59'27 0.54770 AU	inferior conj	6230 Jul 17 23:36	29°♿14'14 -2°02'35		
morning rise	6229 Aug 15 18:38	15°♿06'56	minimum elong	6230 Jul 17 17:54	29°♿22'42 2°00'31		
direct	6229 Aug 19 06:23	14°♿40'34	min. Earth dist.	6230 Jul 19 15:54	28°♿14'23 0.55054 AU		
morning max el	6229 Aug 31 17:23	20°♿33'16 22°11'57	morning rise	6230 Jul 26 13:01	24°♿59'27		
	6229 Sep 08 14:57	0°♿	direct	6230 Jul 30 17:37	24°♿21'15		
asc. node	6229 Sep 14 12:07	9°♿35'41		6230 Aug 12 05:21	0°♿		
morning set	6229 Sep 22 05:43	24°♿49'34	morning max el	6230 Aug 13 08:17	1°♿01'02 23°56'05		
	6229 Sep 24 16:24	0°♿	asc. node	6230 Sep 01 09:11	28°♿48'48		
				6230 Sep 01 23:47	0°♿		
superior conj	6229 Sep 29 08:57	9°♿58'54 1°42'23	morning set	6230 Sep 06 17:22	9°♿41'28		
minimum elong	6229 Sep 29 08:32	9°♿56'41 1°42'24					
max. Earth dist.	6229 Oct 02 22:26	17°♿23'55 1.34381 AU	superior conj	6230 Sep 13 16:12	24°♿43'24 1°37'09		
evening rise	6229 Oct 07 10:49	26°♿24'35	minimum elong	6230 Sep 13 14:44	24°♿35'27 1°37'03		
	6229 Oct 09 07:50	0°♿	max. Earth dist.	6230 Sep 15 21:47	29°♿31'50 1.33110 AU		
desc. node	6229 Oct 20 06:09	19°♿06'11		6230 Sep 16 03:04	0°♿		
	6229 Oct 27 10:06	0°♿	evening rise	6230 Sep 21 03:05	10°♿23'20		
evening max el	6229 Nov 11 09:35	18°♿14'37 27°00'20		6230 Oct 01 15:49	0°♿		
retrograde	6229 Nov 24 15:39	25°♿33'04	desc. node	6230 Oct 07 03:11	8°♿55'09		
evening set	6229 Dec 01 09:06	22°♿54'23		6230 Oct 23 07:38	0°♿		
min. Earth dist.	6229 Dec 05 07:58	19°♿02'34 0.65480 AU	evening max el	6230 Oct 24 21:28	1°♿33'04 27°25'53		
inferior conj	6229 Dec 07 08:54	16°♿43'08 -1°23'08	retrograde	6230 Nov 07 12:20	8°♿51'24		
minimum elong	6229 Dec 07 11:18	16°♿36'16 1°22'06	evening set	6230 Nov 14 13:44	6°♿15'18		
asc. node	6229 Dec 11 11:24	12°♿31'40	min. Earth dist.	6230 Nov 18 07:30	2°♿56'19 0.63916 AU		
morning rise	6229 Dec 13 14:36	11°♿07'11	inferior conj	6230 Nov 20 20:07	0°♿19'43 -2°28'14		
direct	6229 Dec 16 08:14	10°♿26'41	minimum elong	6230 Nov 21 00:33	0°♿08'13 2°26'30		
morning max el	6229 Dec 22 19:40	13°♿54'25 18°09'02		6230 Nov 21 03:45	30°♿		
	6230 Jan 03 08:27	0°♿	morning rise	6230 Nov 27 12:57	24°♿58'44		
morning set	6230 Jan 10 08:00	11°♿21'43	asc. node	6230 Nov 28 08:28	24°♿42'15		
desc. node	6230 Jan 16 05:25	20°♿56'14	direct	6230 Nov 29 23:59	24°♿28'41		
	6230 Jan 21 21:15	0°♿	morning max el	6230 Dec 06 12:39	27°♿53'10 17°51'06		
				6230 Dec 08 10:44	0°♿		
superior conj	6230 Jan 25 03:16	5°♿08'49 -0°59'53	morning set	6230 Dec 23 05:51	23°♿21'59		
minimum elong	6230 Jan 24 20:04	4°♿40'24 0°58'57		6230 Dec 27 03:12	0°♿		
max. Earth dist.	6230 Jan 27 19:37	9°♿21'56 1.45305 AU	desc. node	6231 Jan 03 02:25	11°♿38'33		
evening rise	6230 Feb 10 08:52	0°♿29'34					
	6230 Feb 10 01:16	0°♿	superior conj	6231 Jan 05 00:50	14°♿48'21 -0°13'41		
greatest brilliancy	6230 Feb 22 21:28	19°♿46'35 -0.7m	minimum elong	6231 Jan 04 23:17	14°♿42'06 0°13'25		

behind sun begin	6231 Jan 04 17:46	14°  19'33		minimum elong	6231 Dec 17 02:41	25°  54'12	0°27'57
behind sun end	6231 Jan 05 04:49	15°  04'37			6231 Dec 19 12:45	0° 	
max. Earth dist.	6231 Jan 10 13:56	23°  43'28	1.44586 AU	desc. node	6231 Dec 20 23:26	2°  24'54	
	6231 Jan 14 13:26	0° 		max. Earth dist.	6231 Dec 24 05:20	7°  45'20	1.43228 AU
evening rise	6231 Jan 20 20:20	9°  44'44		evening rise	6231 Dec 31 10:14	19°  13'59	
	6231 Feb 03 06:52	0° 			6232 Jan 07 10:50	0° 	
evening max el	6231 Feb 17 22:30	19°  21'16	20°29'48		6232 Jan 29 02:03	0° 	
asc. node	6231 Feb 24 07:43	23°  49'58		evening max el	6232 Jan 31 19:28	2°  58'20	21°41'22
retrograde	6231 Feb 25 23:48	24°  04'41		retrograde	6232 Feb 09 21:22	8°  21'24	
evening set	6231 Mar 01 22:10	22°  35'38		asc. node	6232 Feb 11 04:46	8°  12'23	
inferior conj	6231 Mar 07 06:27	16°  28'18	2°59'50	evening set	6232 Feb 14 06:03	6°  37'03	
minimum elong	6231 Mar 07 04:20	16°  35'30	2°59'24	inferior conj	6232 Feb 19 13:58	0°  19'28	2°29'35
min. Earth dist.	6231 Mar 07 22:13	15°  34'23	0.67640 AU	minimum elong	6232 Feb 19 11:36	0°  27'39	2°28'56
morning rise	6231 Mar 12 10:18	10°  13'40		min. Earth dist.	6232 Feb 19 17:08	0°  08'24	0.68128 AU
direct	6231 Mar 18 00:53	7°  43'34			6232 Feb 19 19:34	30° 	
morning max el	6231 Mar 29 06:56	14°  27'33	24°22'02	morning rise	6232 Feb 24 16:59	24° 	
desc. node	6231 Apr 01 01:47	17°  26'51		direct	6232 Feb 29 17:15	21° 	
	6231 Apr 10 23:01	0° 		morning max el	6232 Mar 10 16:34	27° 	22°52'28
	6231 Apr 30 12:00	0° 			6232 Mar 12 17:00	0° 	
morning set	6231 May 04 02:53	6°  12'11		desc. node	6232 Mar 17 22:47	6°  17'16	
max. Earth dist.	6231 May 07 18:26	12°  40'35	1.37753 AU		6232 Apr 03 15:08	0° 	
				morning set	6232 Apr 14 02:15	16°  39'10	
superior conj	6231 May 14 17:57	25°  41'58	-1°18'29	max. Earth dist.	6232 Apr 18 14:20	24° 	1.39970 AU
minimum elong	6231 May 14 22:25	26°  03'28	1°17'49		6232 Apr 21 21:44	0° 	
	6231 May 16 23:10	0° 					
evening rise	6231 May 23 11:32	12°  53'35		superior conj	6232 Apr 26 08:27	7°  59'01	-1°45'09
asc. node	6231 May 23 06:56	12°  30'47		minimum elong	6232 Apr 26 13:45	8°  23'14	1°44'38
	6231 Jun 01 16:18	0° 		evening rise	6232 May 06 03:10	26° 	21°58
evening max el	6231 Jun 09 02:28	9°  54'18	19°08'54		6232 May 08 01:05	0° 	
retrograde	6231 Jun 18 00:37	14°  16'58		asc. node	6232 May 09 03:58	2°  06'33	
evening set	6231 Jun 19 23:47	14°  05'07		evening max el	6232 May 22 06:12	22° 	18°28'51
inferior conj	6231 Jun 28 09:08	9°  53'41	-0°06'02	retrograde	6232 May 29 20:50	26° 	
minimum elong	6231 Jun 28 08:52	9°  54'07	0°05'59	evening set	6232 Jun 01 02:29	25° 	
transit middle	6231 Jun 28 08:52	9°  54'07	0°05'59	inferior conj	6232 Jun 08 15:46	21° 	1°29'18
transit begin	6231 Jun 28 05:20	10°  00'06		minimum elong	6232 Jun 08 18:37	21° 	1°28'20
transit end	6231 Jun 28 12:24	9°  48'07		min. Earth dist.	6232 Jun 12 01:12	18° 	0.58112 AU
desc. node	6231 Jun 28 01:03	10°  07'20		desc. node	6232 Jun 13 22:05	17° 	
min. Earth dist.	6231 Jul 01 06:26	7°  56'55	0.56253 AU	morning rise	6232 Jun 16 07:31	15° 	
morning rise	6231 Jul 06 14:50	5°  04'03		direct	6232 Jun 22 06:07	14° 	
direct	6231 Jul 11 16:53	4°  03'57		morning max el	6232 Jul 06 15:23	21° 	26°56'11
morning max el	6231 Jul 25 21:41	11°  19'58	25°36'15		6232 Jul 13 16:33	0° 	
	6231 Aug 09 05:32	0° 			6232 Aug 01 01:53	0° 	
asc. node	6231 Aug 19 06:13	18°  02'40		asc. node	6232 Aug 05 03:14	8° 	
morning set	6231 Aug 22 04:50	24°  03'14		morning set	6232 Aug 05 14:27	9° 	
	6231 Aug 24 17:55	0° 					
				superior conj	6232 Aug 12 14:28	24°  02'27	1°10'36
superior conj	6231 Aug 29 02:41	9°  35'27	1°26'21	minimum elong	6232 Aug 12 12:11	24° 	1°10'12
minimum elong	6231 Aug 29 00:35	9°  23'53	1°26'06	max. Earth dist.	6232 Aug 12 14:52	24° 	1.31872 AU
max. Earth dist.	6231 Aug 30 04:20	11°  36'21	1.32273 AU		6232 Aug 15 02:28	0° 	
evening rise	6231 Sep 05 03:53	24°  45'26		evening rise	6232 Aug 19 10:27	9° 	
	6231 Sep 07 17:39	0° 			6232 Aug 30 01:41	0° 	
desc. node	6231 Sep 24 00:14	28°  01'11		desc. node	6232 Sep 09 21:17	16° 	
	6231 Sep 25 06:29	0° 		evening max el	6232 Sep 18 09:22	26° 	26°42'37
evening max el	6231 Oct 07 06:23	14°  20'50	27°21'06		6232 Sep 22 17:48	0° 	
retrograde	6231 Oct 21 01:55	21°  34'18		retrograde	6232 Oct 02 07:10	3° 	
evening set	6231 Oct 28 05:19	19°  11'18		evening set	6232 Oct 09 03:23	1° 	
min. Earth dist.	6231 Oct 31 20:49	16°  19'29	0.62062 AU		6232 Oct 11 13:51	30° 	
inferior conj	6231 Nov 03 19:49	13°  36'24	-3°33'14	min. Earth dist.	6232 Oct 12 23:13	28° 	0.60018 AU
minimum elong	6231 Nov 04 01:58	13°  22'12	3°31'13	inferior conj	6232 Oct 16 04:26	26° 	-4°31'57
morning rise	6231 Nov 11 00:32	8°  33'43		minimum elong	6232 Oct 16 10:58	26° 	4°30'26
direct	6231 Nov 13 07:53	8°  10'27		morning rise	6232 Oct 23 20:41	21° 	
asc. node	6231 Nov 15 05:31	8°  26'48		direct	6232 Oct 26 03:45	21° 	
morning max el	6231 Nov 20 04:51	11°  39'56	17°51'09	asc. node	6232 Nov 01 02:32	23° 	
	6231 Dec 02 11:18	0° 		morning max el	6232 Nov 02 16:55	25° 	18°10'29
morning set	6231 Dec 06 01:06	6°  23'57			6232 Nov 06 19:34	0° 	
				morning set	6232 Nov 18 11:29	20° 	
superior conj	6231 Dec 17 00:11	25°  43'32	0°28'17		6232 Nov 23 17:38	0° 	

superior conj	6232 Nov 28 00:23	7°♊50'23	1°01'08	minimum elong	6233 Nov 10 23:37	21°♍09'42	1°23'35
minimum elong	6232 Nov 28 04:08	8°♊07'17	1°00'40		6233 Nov 15 17:53	0°♊	
max. Earth dist.	6232 Dec 05 16:01	21°♊11'46	1.41385 AU	max. Earth dist.	6233 Nov 17 21:56	3°♊53'24	1.39282 AU
desc. node	6232 Dec 06 20:28	23°♊11'18		evening rise	6233 Nov 21 20:02	10°♊42'25	
evening rise	6232 Dec 10 16:04	29°♊28'20		desc. node	6233 Nov 23 17:30	13°♊54'10	
	6232 Dec 10 23:53	0°♊			6233 Dec 03 20:20	0°♊	
	6232 Dec 31 00:09	0°♊			6233 Dec 26 17:27	0°♊	
evening max el	6233 Jan 13 11:48	16°♊37'22	22°59'51	evening max el	6233 Dec 27 01:17	0°♊19'34	24°19'30
retrograde	6233 Jan 23 16:39	22°♊40'19		retrograde	6234 Jan 07 08:30	6°♊57'06	
asc. node	6233 Jan 28 01:47	21°♊02'53		evening set	6234 Jan 12 17:38	4°♊42'31	
evening set	6233 Jan 28 13:02	20°♊40'26		asc. node	6234 Jan 14 22:48	2°♊28'02	
inferior conj	6233 Feb 02 22:14	14°♊15'55	1°50'57		6234 Jan 16 22:09	30°♋	
minimum elong	6233 Feb 02 20:05	14°♊23'19	1°50'14	min. Earth dist.	6234 Jan 17 09:53	29°♋20'59	0.67910 AU
min. Earth dist.	6233 Feb 02 13:46	14°♊45'09	0.68211 AU	inferior conj	6234 Jan 18 05:28	28°♋15'10	1°04'47
morning rise	6233 Feb 08 03:03	8°♊08'24		minimum elong	6234 Jan 18 04:00	28°♋20'05	1°04'15
direct	6233 Feb 12 12:57	6°♊21'22		morning rise	6234 Jan 23 14:28	22°♋13'27	
morning max el	6233 Feb 21 06:49	11°♊25'51	21°27'04	direct	6234 Jan 27 10:55	20°♋48'47	
desc. node	6233 Mar 04 19:46	25°♊45'17		morning max el	6234 Feb 04 04:23	25°♋11'43	20°12'12
	6233 Mar 07 19:53	0°♋			6234 Feb 08 10:13	0°♋	
morning set	6233 Mar 24 21:24	25°♋47'23		desc. node	6234 Feb 19 16:47	15°♋40'39	
	6233 Mar 27 12:44	0°♋			6234 Mar 01 04:46	0°♋	
max. Earth dist.	6233 Mar 31 15:23	6°♋41'27	1.42077 AU	morning set	6234 Mar 03 20:07	4°♋03'40	
				max. Earth dist.	6234 Mar 13 23:33	20°♋00'04	1.43809 AU
superior conj	6233 Apr 08 02:34	19°♋17'56	-2°04'11	superior conj	6234 Mar 19 20:06	29°♋30'10	-2°09'54
minimum elong	6233 Apr 08 06:28	19°♋34'47	2°04'01	minimum elong	6234 Mar 19 19:06	29°♋26'05	2°09'54
	6233 Apr 14 04:11	0°♋			6234 Mar 20 03:21	0°♋	
evening rise	6233 Apr 19 05:52	9°♋11'06		evening rise	6234 Apr 01 15:11	21°♋10'46	
asc. node	6233 Apr 26 01:00	21°♋22'17			6234 Apr 06 17:34	0°♋	
	6233 May 01 10:35	0°♋		asc. node	6234 Apr 12 22:01	10°♋10'40	
evening max el	6233 May 05 16:10	5°♋09'27	18°08'52	evening max el	6234 Apr 19 04:53	18°♋21'32	18°08'12
retrograde	6233 May 12 11:12	8°♋36'08		retrograde	6234 Apr 25 15:16	21°♋43'21	
evening set	6233 May 14 23:53	8°♋07'56		evening set	6234 Apr 28 10:41	21°♋03'32	
inferior conj	6233 May 21 19:20	3°♋16'14	2°34'36	inferior conj	6234 May 04 16:16	15°♋52'27	3°12'23
minimum elong	6233 May 21 22:34	3°♋08'45	2°33'48	minimum elong	6234 May 04 18:21	15°♋46'56	3°12'04
min. Earth dist.	6233 May 25 02:42	0°♋14'01	0.60291 AU	min. Earth dist.	6234 May 07 12:48	12°♋52'44	0.62481 AU
	6233 May 25 09:09	30°♋		morning rise	6234 May 11 00:27	9°♋46'57	
morning rise	6233 May 28 18:43	27°♋26'03		direct	6234 May 17 19:56	7°♋15'44	
desc. node	6233 May 31 19:05	25°♋58'04		desc. node	6234 May 18 16:06	7°♋17'53	
direct	6233 Jun 04 07:50	25°♋22'05		morning max el	6234 May 31 21:56	15°♋17'36	27°52'51
	6233 Jun 14 23:49	0°♋			6234 Jun 12 21:30	0°♋	
morning max el	6233 Jun 18 15:49	3°♋17'27	27°43'29	morning set	6234 Jun 30 20:52	0°♋	
	6233 Jul 08 06:16	0°♋		asc. node	6234 Jul 04 20:54	7°♋53'26	
morning set	6233 Jul 20 20:31	23°♋43'39		max. Earth dist.	6234 Jul 09 21:15	18°♋21'27	
asc. node	6233 Jul 23 00:14	28°♋15'41			6234 Jul 10 08:15	19°♋20'24	1.32362 AU
	6233 Jul 23 19:44	0°♋		superior conj	6234 Jul 12 10:49	23°♋53'58	0°26'18
max. Earth dist.	6233 Jul 27 01:32	7°♋03'24	1.31898 AU	minimum elong	6234 Jul 12 09:37	23°♋47'27	0°26'00
superior conj	6233 Jul 28 01:47	9°♋16'54	0°50'25		6234 Jul 15 05:52	0°♋	
minimum elong	6233 Jul 27 23:48	9°♋05'59	0°50'00	evening rise	6234 Jul 19 08:11	8°♋52'33	
evening rise	6233 Aug 03 20:34	24°♋07'13			6234 Jul 30 05:18	0°♋	
	6233 Aug 06 15:55	0°♋		evening max el	6234 Aug 12 17:15	18°♋08'17	24°00'54
	6233 Aug 24 10:25	0°♋		desc. node	6234 Aug 14 15:20	19°♋52'38	
desc. node	6233 Aug 27 18:19	4°♋02'35		retrograde	6234 Aug 26 11:00	25°♋02'30	
evening max el	6233 Aug 31 04:24	7°♋36'50	25°32'37	evening set	6234 Aug 31 02:23	24°♋14'57	
retrograde	6233 Sep 14 02:49	14°♋41'00		min. Earth dist.	6234 Sep 06 03:48	21°♋16'47	0.56201 AU
evening set	6233 Sep 20 03:06	13°♋16'50		inferior conj	6234 Sep 08 12:30	19°♋49'49	-5°21'55
min. Earth dist.	6233 Sep 24 16:18	10°♋39'07	0.57972 AU	minimum elong	6234 Sep 08 10:27	19°♋52'58	5°21'50
inferior conj	6233 Sep 27 18:36	8°♋29'38	-5°13'31	morning rise	6234 Sep 16 20:55	15°♋51'59	
minimum elong	6233 Sep 27 22:37	8°♋22'36	5°13'06	direct	6234 Sep 19 14:51	15°♋32'32	
morning rise	6233 Oct 05 20:27	4°♋11'58		morning max el	6234 Sep 29 15:07	20°♋13'20	19°52'38
direct	6233 Oct 08 07:03	3°♋53'35		asc. node	6234 Oct 05 20:33	27°♋45'53	
morning max el	6233 Oct 16 21:25	7°♋59'40	18°50'34		6234 Oct 07 07:42	0°♋	
asc. node	6233 Oct 18 23:32	10°♋12'48		morning set	6234 Oct 17 12:18	18°♋54'02	
	6233 Oct 31 02:37	0°♋			6234 Oct 22 23:11	0°♋	
morning set	6233 Nov 02 08:21	4°♋21'32		superior conj	6234 Oct 25 07:11	4°♋41'19	1°37'17






























































































































minimum elong	6234 Oct 25 09:00	4° \mathbb{M} 50'21	1°37'12		6235 Sep 09 21:36	0° \mathbb{M}	
max. Earth dist.	6234 Oct 31 03:09	15° \mathbb{M} 59'13	1.37180 AU	morning max el	6235 Sep 11 20:17	1° \mathbb{M} 39'43	21°16'03
evening rise	6234 Nov 03 21:45	22° \mathbb{M} 55'23		asc. node	6235 Sep 22 17:36	16° \mathbb{M} 06'40	
	6234 Nov 07 22:35	0° \mathbb{A}			6235 Sep 30 02:17	0° \mathbb{A}	
desc. node	6234 Nov 10 14:32	4° \mathbb{A} 29'25		morning set	6235 Oct 01 20:49	3° \mathbb{A} 38'44	
	6234 Nov 27 15:07	0° \mathbb{B}					
evening max el	6234 Dec 09 14:03	14° \mathbb{B} 04'48	25°33'30	superior conj	6235 Oct 09 04:23	18° \mathbb{A} 57'54	1°42'34
retrograde	6234 Dec 21 19:55	21° \mathbb{B} 06'47		minimum elong	6235 Oct 09 04:44	18° \mathbb{A} 59'40	1°42'35
evening set	6234 Dec 27 18:14	18° \mathbb{B} 39'35		max. Earth dist.	6235 Oct 13 13:29	27° \mathbb{A} 52'17	1.35303 AU
min. Earth dist.	6235 Jan 01 03:14	13° \mathbb{B} 52'27	0.67242 AU		6235 Oct 14 15:20	0° \mathbb{M}	
asc. node	6235 Jan 01 19:50	12° \mathbb{B} 59'27		evening rise	6235 Oct 17 17:38	5° \mathbb{M} 57'59	
inferior conj	6235 Jan 02 09:53	12° \mathbb{B} 14'19	0°11'51	desc. node	6235 Oct 28 11:33	24° \mathbb{M} 52'00	
minimum elong	6235 Jan 02 09:35	12° \mathbb{B} 15'18	0°11'46		6235 Oct 31 16:45	0° \mathbb{A}	
transit middle	6235 Jan 02 09:35	12° \mathbb{B} 15'18	0°11'46	evening max el	6235 Nov 22 03:05	27° \mathbb{A} 47'53	26°34'19
transit begin	6235 Jan 02 07:39	12° \mathbb{B} 21'28			6235 Nov 24 13:21	0° \mathbb{B}	
transit end	6235 Jan 02 11:30	12° \mathbb{B} 09'08		retrograde	6235 Dec 05 01:57	5° \mathbb{B} 02'36	
morning rise	6235 Jan 08 01:19	6° \mathbb{B} 20'25		evening set	6235 Dec 11 12:55	2° \mathbb{B} 26'43	
direct	6235 Jan 11 09:51	5° \mathbb{B} 15'36			6235 Dec 14 02:15	30° \mathbb{R} \mathbb{A}	
morning max el	6235 Jan 18 09:51	9° \mathbb{B} 08'24	19°11'38	min. Earth dist.	6235 Dec 15 15:26	28° \mathbb{A} 14'35	0.66224 AU
greatest brilliancy	6235 Jan 31 22:28	27° \mathbb{B} 18'34	-0.7m	inferior conj	6235 Dec 17 09:29	26° \mathbb{A} 08'52	-0°47'01
	6235 Feb 02 16:59	0° \mathbb{A}		minimum elong	6235 Dec 17 10:47	26° \mathbb{A} 04'57	0°46'26
desc. node	6235 Feb 06 13:47	5° \mathbb{A} 56'03		asc. node	6235 Dec 19 16:53	23° \mathbb{A} 29'39	
morning set	6235 Feb 10 21:15	12° \mathbb{A} 36'08		morning rise	6235 Dec 23 09:25	20° \mathbb{A} 25'19	
	6235 Feb 22 01:12	0° \mathbb{H}		direct	6235 Dec 26 07:56	19° \mathbb{A} 36'57	
max. Earth dist.	6235 Feb 24 14:09	3° \mathbb{H} 59'29	1.44957 AU	morning max el	6236 Jan 01 21:47	23° \mathbb{A} 10'43	18°27'02
					6236 Jan 07 11:17	0° \mathbb{B}	
superior conj	6235 Feb 27 13:38	8° \mathbb{H} 41'52	-1°57'00	morning set	6236 Jan 21 22:15	22° \mathbb{B} 24'06	
minimum elong	6235 Feb 27 06:11	8° \mathbb{H} 12'18	1°56'31	desc. node	6236 Jan 24 10:47	26° \mathbb{B} 25'14	
	6235 Mar 12 18:16	0° \mathbb{Y}			6236 Jan 26 16:51	0° \mathbb{A}	
evening rise	6235 Mar 14 02:56	2° \mathbb{Y} 14'27					
asc. node	6235 Mar 30 19:04	28° \mathbb{Y} 23'50		superior conj	6236 Feb 06 17:37	17° \mathbb{A} 22'48	-1°24'42
	6235 Apr 01 02:20	0° \mathbb{B}		minimum elong	6236 Feb 06 08:19	16° \mathbb{A} 46'21	1°23'40
evening max el	6235 Apr 02 17:32	1° \mathbb{B} 47'02	18°26'08	max. Earth dist.	6236 Feb 07 08:52	18° \mathbb{A} 22'34	1.45400 AU
retrograde	6235 Apr 09 04:45	5° \mathbb{B} 17'24			6236 Feb 14 18:53	0° \mathbb{H}	
evening set	6235 Apr 12 06:49	4° \mathbb{B} 24'42		evening rise	6236 Feb 22 15:18	12° \mathbb{H} 21'33	
	6235 Apr 17 04:14	30° \mathbb{R} \mathbb{Y}		greatest brilliancy	6236 Mar 03 09:21	27° \mathbb{H} 43'18	-0.8m
inferior conj	6235 Apr 18 02:29	28° \mathbb{Y} 55'33	3°28'11		6236 Mar 04 20:41	0° \mathbb{Y}	
minimum elong	6235 Apr 18 03:03	28° \mathbb{Y} 53'54	3°28'07	evening max el	6236 Mar 16 03:30	15° \mathbb{Y} 19'01	19°01'46
min. Earth dist.	6235 Apr 20 08:11	26° \mathbb{Y} 18'47	0.64443 AU	asc. node	6236 Mar 16 16:08	15° \mathbb{Y} 50'16	
morning rise	6235 Apr 23 22:26	22° \mathbb{Y} 42'43		retrograde	6236 Mar 22 23:55	19° \mathbb{Y} 10'04	
direct	6235 Apr 30 16:24	19° \mathbb{Y} 56'15		evening set	6236 Mar 26 09:07	18° \mathbb{Y} 03'39	
desc. node	6235 May 05 13:07	21° \mathbb{Y} 09'15		inferior conj	6236 Mar 31 22:14	12° \mathbb{Y} 17'55	3°27'07
morning max el	6235 May 14 07:17	27° \mathbb{Y} 53'38	27°25'55	minimum elong	6236 Mar 31 21:26	12° \mathbb{Y} 20'26	3°27'03
	6235 May 16 07:23	0° \mathbb{B}		min. Earth dist.	6236 Apr 02 12:21	10° \mathbb{Y} 17'13	0.66028 AU
	6235 Jun 06 15:25	0° \mathbb{H}		morning rise	6236 Apr 06 09:22	6° \mathbb{Y} 02'28	
morning set	6235 Jun 18 13:03	21° \mathbb{H} 35'54		direct	6236 Apr 12 19:32	3° \mathbb{Y} 14'10	
	6235 Jun 22 17:20	0° \mathbb{B}		desc. node	6236 Apr 21 10:08	7° \mathbb{Y} 00'19	
max. Earth dist.	6235 Jun 23 07:11	1° \mathbb{B} 11'31	1.33296 AU	morning max el	6236 Apr 25 17:21	10° \mathbb{Y} 53'58	26°29'18
					6236 May 10 21:12	0° \mathbb{B}	
superior conj	6235 Jun 26 15:42	8° \mathbb{B} 14'19	-0°01'08		6236 May 29 04:55	0° \mathbb{H}	
minimum elong	6235 Jun 26 15:45	8° \mathbb{B} 14'37	0°01'09	morning set	6236 May 31 17:35	4° \mathbb{H} 41'22	
behind sun begin	6235 Jun 26 10:18	7° \mathbb{B} 45'38		max. Earth dist.	6236 Jun 04 19:39	12° \mathbb{H} 34'01	1.34706 AU
behind sun end	6235 Jun 26 21:12	8° \mathbb{B} 43'37					
asc. node	6235 Jun 26 18:18	8° \mathbb{B} 28'13		superior conj	6236 Jun 09 14:05	22° \mathbb{H} 11'18	-0°30'51
evening rise	6235 Jul 03 19:31	23° \mathbb{B} 33'05		minimum elong	6236 Jun 09 15:48	22° \mathbb{H} 20'06	0°30'32
	6235 Jul 06 22:07	0° \mathbb{Q}		asc. node	6236 Jun 12 15:22	28° \mathbb{H} 31'58	
evening max el	6235 Jul 25 06:43	28° \mathbb{Q} 26'48	22°22'50		6236 Jun 13 08:12	0° \mathbb{B}	
	6235 Jul 26 23:22	0° \mathbb{M}		evening rise	6236 Jun 17 04:37	8° \mathbb{B} 02'58	
desc. node	6235 Aug 01 12:23	3° \mathbb{M} 37'33			6236 Jun 29 00:12	0° \mathbb{Q}	
retrograde	6235 Aug 07 06:33	4° \mathbb{M} 54'23		evening max el	6236 Jul 06 04:50	9° \mathbb{Q} 05'39	20°53'18
evening set	6235 Aug 10 09:48	4° \mathbb{M} 32'43		retrograde	6236 Jul 17 18:49	14° \mathbb{Q} 48'16	
min. Earth dist.	6235 Aug 18 13:23	0° \mathbb{M} 59'57	0.55047 AU	desc. node	6236 Jul 18 09:24	14° \mathbb{Q} 47'22	
inferior conj	6235 Aug 19 12:53	0° \mathbb{M} 26'45	-4°40'54	evening set	6236 Jul 19 22:31	14° \mathbb{Q} 37'12	
minimum elong	6235 Aug 19 04:46	0° \mathbb{M} 38'14	4°39'16	inferior conj	6236 Jul 29 05:42	10° \mathbb{Q} 40'08	-3°09'18
	6235 Aug 20 07:51	30° \mathbb{R} \mathbb{Q}		minimum elong	6236 Jul 28 21:24	10° \mathbb{Q} 51'54	3°06'36
morning rise	6235 Aug 28 01:31	26° \mathbb{Q} 37'29		min. Earth dist.	6236 Jul 29 23:30	10° \mathbb{Q} 14'55	0.54771 AU
direct	6235 Aug 31 06:02	26° \mathbb{Q} 14'29		morning rise	6236 Aug 06 20:19	6° \mathbb{Q} 40'54	

direct	6236 Aug 10 14:50	6°♎10'24		direct	6237 Jul 22 05:55	15°♊47'26	
morning max el	6236 Aug 23 14:46	12°♎23'28	22°55'48	morning max el	6237 Aug 05 04:15	22°♊43'40	24°40'23
	6236 Sep 05 18:52	0°♎			6237 Aug 11 15:41	0°♎	
asc. node	6236 Sep 08 14:39	5°♎03'36		asc. node	6237 Aug 26 11:41	24°♎26'49	
morning set	6236 Sep 15 07:52	18°♎29'57			6237 Aug 29 05:16	0°♎	
	6236 Sep 20 16:42	0°♎		morning set	6237 Aug 30 19:37	3°♎21'29	
superior conj	6236 Sep 22 08:45	3°♎34'48	1°40'54	superior conj	6237 Sep 06 17:36	18°♎22'59	1°33'13
minimum elong	6236 Sep 22 07:50	3°♎29'57	1°40'52	minimum elong	6237 Sep 06 15:49	18°♎13'13	1°33'03
max. Earth dist.	6236 Sep 25 08:16	9°♎53'05	1.33788 AU	max. Earth dist.	6237 Sep 08 11:07	22°♎08'43	1.32696 AU
evening rise	6236 Sep 30 03:35	19°♎39'24			6237 Sep 12 03:34	0°♎	
	6236 Oct 05 14:19	0°♎		evening rise	6237 Sep 13 23:48	3°♎48'35	
desc. node	6236 Oct 14 08:37	14°♎55'54			6237 Sep 28 07:58	0°♎	
	6236 Oct 24 18:08	0°♎		desc. node	6237 Oct 01 05:39	4°♎32'07	
evening max el	6236 Nov 03 15:56	11°♎19'22	27°14'35	evening max el	6237 Oct 17 02:42	24°♎25'31	27°27'46
retrograde	6236 Nov 17 02:01	18°♎37'38			6237 Oct 24 13:47	0°♎	
evening set	6236 Nov 23 23:29	15°♎59'05		retrograde	6237 Oct 30 19:37	1°♎42'01	
min. Earth dist.	6236 Nov 27 20:05	12°♎21'39	0.64861 AU		6237 Nov 05 15:53	30°♎	
inferior conj	6236 Nov 30 01:59	9°♎54'07	-1°50'26	evening set	6237 Nov 06 23:00	29°♎09'47	
minimum elong	6236 Nov 30 05:15	9°♎45'10	1°49'04	min. Earth dist.	6237 Nov 10 15:11	26°♎03'42	0.63163 AU
asc. node	6236 Dec 05 13:55	4°♎53'22		inferior conj	6237 Nov 13 08:38	23°♎22'42	-2°56'04
morning rise	6236 Dec 06 12:15	4°♎24'00		minimum elong	6237 Nov 13 13:53	23°♎09'44	2°54'08
direct	6236 Dec 09 02:53	3°♎48'15		morning rise	6237 Nov 20 06:31	18°♎09'21	
morning max el	6236 Dec 15 13:47	7°♎13'12	17°59'15	asc. node	6237 Nov 22 10:57	17°♎42'45	
	6236 Dec 30 23:56	0°♎		direct	6237 Nov 22 15:40	17°♎42'34	
morning set	6237 Jan 02 04:56	3°♎40'42		morning max el	6237 Nov 29 06:51	21°♎07'50	17°48'56
desc. node	6237 Jan 10 07:50	17°♎04'10			6237 Dec 06 00:16	0°♎	
superior conj	6237 Jan 16 03:46	26°♎27'37	-0°40'18	morning set	6237 Dec 15 12:40	16°♎09'29	
minimum elong	6237 Jan 15 22:55	26°♎08'17	0°39'35		6237 Dec 23 12:55	0°♎	
	6237 Jan 18 09:14	0°♎		superior conj	6237 Dec 27 11:57	6°♎38'45	0°05'03
max. Earth dist.	6237 Jan 20 04:44	2°♎51'51	1.45096 AU	minimum elong	6237 Dec 27 12:29	6°♎40'55	0°05'00
evening rise	6237 Feb 01 08:44	21°♎47'41		behind sun begin	6237 Dec 27 03:31	6°♎03'42	
	6237 Feb 06 17:01	0°♎		behind sun end	6237 Dec 27 21:27	7°♎18'03	
greatest brilliancy	6237 Feb 15 12:44	13°♎18'15	-0.6m	desc. node	6237 Dec 28 04:52	7°♎48'44	
evening max el	6237 Feb 27 08:56	28°♎53'31	19°53'33	max. Earth dist.	6238 Jan 02 22:17	17°♎07'42	1.44081 AU
	6237 Feb 28 12:17	0°♎			6238 Jan 11 02:41	0°♎	
asc. node	6237 Mar 03 13:11	2°♎16'41		evening rise	6238 Jan 11 19:17	1°♎04'06	
retrograde	6237 Mar 06 21:51	3°♎15'34			6238 Jan 31 08:24	0°♎	
evening set	6237 Mar 10 15:06	1°♎54'48		evening max el	6238 Feb 10 08:50	12°♎29'10	20°58'58
	6237 Mar 12 17:35	30°♎		asc. node	6238 Feb 18 10:12	17°♎28'34	
inferior conj	6237 Mar 16 00:27	25°♎54'27	3°12'55	retrograde	6238 Feb 18 20:13	17°♎29'29	
minimum elong	6237 Mar 15 22:42	26°♎00'20	3°12'39	evening set	6238 Feb 22 22:46	15°♎53'53	
min. Earth dist.	6237 Mar 16 23:54	24°♎35'54	0.67179 AU	inferior conj	6238 Feb 28 06:39	9°♎41'31	2°48'05
morning rise	6237 Mar 21 06:05	19°♎39'00		minimum elong	6238 Feb 28 04:23	9°♎49'21	2°47'34
direct	6237 Mar 27 04:23	17°♎00'07		min. Earth dist.	6238 Feb 28 16:52	9°♎06'15	0.67897 AU
morning max el	6237 Apr 08 02:42	24°♎08'13	25°11'56	morning rise	6238 Mar 05 09:49	3°♎27'49	
desc. node	6237 Apr 08 07:09	24°♎19'31		direct	6238 Mar 10 18:15	1°♎06'05	
	6237 Apr 13 08:43	0°♎		morning max el	6238 Mar 21 11:40	7°♎29'51	23°43'57
	6237 May 04 07:16	0°♎		desc. node	6238 Mar 26 04:10	12°♎42'14	
morning set	6237 May 14 05:58	16°♎57'20			6238 Apr 08 00:48	0°♎	
max. Earth dist.	6237 May 17 21:42	23°♎38'44	1.36548 AU	morning set	6238 Apr 25 20:36	28°♎09'03	
	6237 May 21 06:05	0°♎			6238 Apr 26 22:30	0°♎	
superior conj	6237 May 24 03:05	5°♎36'55	-1°01'23	max. Earth dist.	6238 Apr 29 17:32	4°♎52'05	1.38688 AU
minimum elong	6237 May 24 06:37	5°♎54'23	1°00'48	superior conj	6238 May 07 03:04	18°♎22'07	-1°30'26
asc. node	6237 May 30 12:25	18°♎28'26		minimum elong	6238 May 07 08:04	18°♎45'40	1°29'47
evening rise	6237 Jun 01 09:12	22°♎15'13			6238 May 13 04:20	0°♎	
	6237 Jun 05 06:56	0°♎		evening rise	6238 May 16 06:32	6°♎02'22	
evening max el	6237 Jun 18 15:32	20°♎24'26	19°41'08	asc. node	6238 May 17 09:28	8°♎13'21	
retrograde	6237 Jun 28 12:23	25°♎15'01			6238 May 30 08:47	0°♎	
evening set	6237 Jun 30 09:43	25°♎05'09		evening max el	6238 Jun 01 14:00	2°♎26'10	18°49'21
desc. node	6237 Jul 05 06:26	23°♎20'52		retrograde	6238 Jun 09 21:39	6°♎31'54	
inferior conj	6237 Jul 09 05:37	21°♎01'56	-1°11'48	evening set	6238 Jun 11 23:04	6°♎17'47	
minimum elong	6237 Jul 09 02:19	21°♎07'05	1°10'35	inferior conj	6238 Jun 19 23:51	1°♎58'23	0°37'51
min. Earth dist.	6237 Jul 11 11:58	19°♎37'15	0.55459 AU	minimum elong	6238 Jun 20 01:18	1°♎55'45	0°37'18
morning rise	6237 Jul 17 16:41	16°♎33'21		desc. node	6238 Jun 22 03:26	0°♎24'35	


































































































































	6238 Jun 22 17:14	30° $\mathbb{R}\mathbb{I}$		min. Earth dist.	6239 Jun 05 01:53	10° $\mathbb{I}\mathbb{43}'39$	0.59023 AU
min. Earth dist.	6238 Jun 23 04:19	29° $\mathbb{I}\mathbb{40}'37$	0.56976 AU	morning rise	6239 Jun 09 00:30	8° $\mathbb{I}\mathbb{00}'01$	
morning rise	6238 Jun 28 00:07	26° $\mathbb{I}\mathbb{52}'52$		desc. node	6239 Jun 09 00:27	8° $\mathbb{I}\mathbb{00}'05$	
direct	6238 Jul 03 11:09	25° $\mathbb{I}\mathbb{40}'34$		direct	6239 Jun 15 06:23	6° $\mathbb{I}\mathbb{14}'30$	
	6238 Jul 14 04:04	0° \mathbb{S}		morning max el	6239 Jun 29 15:36	14° $\mathbb{I}\mathbb{02}'42$	27°20'39
morning max el	6238 Jul 17 19:13	3° $\mathbb{S}\mathbb{08}'57$	26°13'39		6239 Jul 12 09:54	0° \mathbb{S}	
	6238 Aug 06 00:54	0° \mathbb{Q}			6239 Jul 29 06:52	0° \mathbb{Q}	
asc. node	6238 Aug 13 08:43	14° $\mathbb{Q}\mathbb{09}'15$		morning set	6239 Jul 30 14:46	2° $\mathbb{Q}\mathbb{45}'44$	
morning set	6238 Aug 15 06:28	18° $\mathbb{Q}\mathbb{08}'30$		asc. node	6239 Jul 31 05:45	4° $\mathbb{Q}\mathbb{04}'35$	
	6238 Aug 20 17:22	0° \mathbb{P}					
superior conj	6238 Aug 22 04:51	3° $\mathbb{P}\mathbb{15}'57$	1°20'15	superior conj	6239 Aug 06 16:38	18° $\mathbb{Q}\mathbb{07}'25$	1°02'33
minimum elong	6238 Aug 22 02:37	3° $\mathbb{P}\mathbb{03}'36$	1°19'55	minimum elong	6239 Aug 06 14:25	17° $\mathbb{Q}\mathbb{55}'10$	1°02'08
max. Earth dist.	6238 Aug 22 19:35	4° $\mathbb{P}\mathbb{37}'19$	1.32045 AU	max. Earth dist.	6239 Aug 06 06:25	17° $\mathbb{Q}\mathbb{10}'55$	1.31826 AU
evening rise	6238 Aug 29 03:18	18° $\mathbb{P}\mathbb{17}'15$		evening rise	6239 Aug 12 02:23	0° \mathbb{P}	
	6238 Sep 03 23:30	0° \mathbb{L}			6239 Aug 13 11:36	2° $\mathbb{P}\mathbb{57}'57$	
desc. node	6238 Sep 18 02:41	23° $\mathbb{L}\mathbb{29}'28$		desc. node	6239 Aug 27 21:40	0° \mathbb{L}	
	6238 Sep 23 01:03	0° \mathbb{M}		evening max el	6239 Sep 04 23:42	11° $\mathbb{L}\mathbb{32}'34$	
evening max el	6238 Sep 29 09:06	6° $\mathbb{M}\mathbb{54}'07$	27°08'48	retrograde	6239 Sep 11 08:54	18° $\mathbb{L}\mathbb{36}'05$	26°16'25
retrograde	6238 Oct 13 06:04	14° $\mathbb{M}\mathbb{06}'15$		evening set	6239 Sep 25 07:43	25° $\mathbb{L}\mathbb{42}'58$	
evening set	6238 Oct 20 07:42	11° $\mathbb{M}\mathbb{51}'58$		min. Earth dist.	6239 Oct 01 20:50	23° $\mathbb{L}\mathbb{58}'28$	
min. Earth dist.	6238 Oct 23 23:43	9° $\mathbb{M}\mathbb{08}'45$	0.61202 AU	inferior conj	6239 Oct 05 22:09	21° $\mathbb{L}\mathbb{23}'46$	0.59125 AU
inferior conj	6238 Oct 27 02:16	6° $\mathbb{M}\mathbb{26}'45$	-3°59'28	minimum elong	6239 Oct 09 03:26	18° $\mathbb{L}\mathbb{57}'27$	-4°52'35
minimum elong	6238 Oct 27 08:50	6° $\mathbb{M}\mathbb{12}'25$	3°57'34	morning rise	6239 Oct 09 09:20	18° $\mathbb{L}\mathbb{46}'12$	4°51'31
morning rise	6238 Nov 03 12:04	1° $\mathbb{M}\mathbb{33}'16$		direct	6239 Oct 17 00:03	14° $\mathbb{L}\mathbb{26}'11$	
direct	6238 Nov 05 18:43	1° $\mathbb{M}\mathbb{12}'03$		asc. node	6239 Oct 19 07:59	14° $\mathbb{L}\mathbb{07}'29$	
asc. node	6238 Nov 09 07:58	2° $\mathbb{M}\mathbb{05}'53$		morning max el	6239 Oct 27 05:00	17° $\mathbb{L}\mathbb{54}'43$	
morning max el	6238 Nov 12 21:44	4° $\mathbb{M}\mathbb{46}'15$	17°57'00		6239 Oct 27 06:59	17° $\mathbb{L}\mathbb{59}'29$	18°24'55
morning set	6238 Nov 28 14:56	29° $\mathbb{M}\mathbb{30}'31$		morning set	6239 Nov 04 23:10	0° \mathbb{M}	
	6238 Nov 28 21:22	0° \mathbb{X}			6239 Nov 12 06:17	13° $\mathbb{M}\mathbb{28}'31$	
superior conj	6238 Dec 08 22:18	18° $\mathbb{X}\mathbb{05}'24$	0°43'27	superior conj	6239 Nov 20 23:18	0° \mathbb{X}	
minimum elong	6238 Dec 09 01:38	18° $\mathbb{X}\mathbb{19}'56$	0°43'00	minimum elong	6239 Nov 21 07:35	0° $\mathbb{X}\mathbb{38}'15$	1°11'59
desc. node	6238 Dec 15 01:53	28° $\mathbb{X}\mathbb{35}'19$		maximum elong	6239 Nov 21 11:14	0° $\mathbb{X}\mathbb{55}'07$	1°11'34
	6238 Dec 15 22:15	0° \mathbb{Z}		max. Earth dist.	6239 Nov 28 19:21	14° $\mathbb{X}\mathbb{00}'02$	1.40503 AU
max. Earth dist.	6238 Dec 16 11:09	0° $\mathbb{Z}\mathbb{53}'19$	1.42484 AU	desc. node	6239 Dec 01 22:54	19° $\mathbb{X}\mathbb{20}'43$	
evening rise	6238 Dec 22 14:32	10° $\mathbb{Z}\mathbb{48}'40$		evening rise	6239 Dec 03 05:33	21° $\mathbb{X}\mathbb{28}'09$	
	6239 Jan 04 04:58	0° \mathbb{A}			6239 Dec 08 12:15	0° \mathbb{Z}	
evening max el	6239 Jan 24 03:32	26° $\mathbb{A}\mathbb{06}'23$	22°14'14	evening max el	6239 Dec 29 07:42	0° \mathbb{A}	
	6239 Jan 28 17:06	0° \mathbb{H}		retrograde	6240 Jan 06 18:35	9° $\mathbb{A}\mathbb{47}'28$	23°34'04
retrograde	6239 Feb 02 17:04	1° $\mathbb{H}\mathbb{47}'22$		evening set	6240 Jan 17 11:00	16° $\mathbb{A}\mathbb{05}'55$	
asc. node	6239 Feb 05 07:13	1° $\mathbb{H}\mathbb{12}'23$		asc. node	6240 Jan 22 12:37	13° $\mathbb{A}\mathbb{59}'54$	
evening set	6239 Feb 07 06:27	29° $\mathbb{A}\mathbb{56}'33$		inferior conj	6240 Jan 23 04:14	13° $\mathbb{A}\mathbb{24}'51$	
	6239 Feb 07 04:45	30° $\mathbb{R}\mathbb{A}$		minimum elong	6240 Jan 27 22:47	7° $\mathbb{A}\mathbb{33}'47$	1°32'18
inferior conj	6239 Feb 12 14:43	23° $\mathbb{A}\mathbb{35}'25$	2°14'11	min. Earth dist.	6240 Jan 27 20:52	7° $\mathbb{A}\mathbb{40}'20$	1°31'38
minimum elong	6239 Feb 12 12:23	23° $\mathbb{A}\mathbb{43}'29$	2°13'30	morning rise	6240 Jan 27 09:38	8° $\mathbb{A}\mathbb{18}'46$	0.68128 AU
min. Earth dist.	6239 Feb 12 12:53	23° $\mathbb{A}\mathbb{41}'46$	0.68206 AU		6240 Feb 02 05:04	1° $\mathbb{A}\mathbb{28}'21$	
morning rise	6239 Feb 17 18:10	17° $\mathbb{A}\mathbb{24}'59$		direct	6240 Feb 05 01:53	30° $\mathbb{R}\mathbb{Z}$	
direct	6239 Feb 22 12:12	15° $\mathbb{A}\mathbb{24}'43$			6240 Feb 06 09:12	29° $\mathbb{Z}\mathbb{50}'46$	
morning max el	6239 Mar 03 22:46	20° $\mathbb{A}\mathbb{57}'42$	22°15'08	morning max el	6240 Feb 07 17:25	0° \mathbb{A}	
	6239 Mar 11 15:38	0° \mathbb{H}		desc. node	6240 Feb 14 15:47	4° $\mathbb{A}\mathbb{36}'14$	20°53'37
desc. node	6239 Mar 13 01:10	1° $\mathbb{H}\mathbb{50}'09$			6240 Feb 27 22:11	21° $\mathbb{A}\mathbb{31}'06$	
	6239 Apr 01 07:01	0° \mathbb{Y}		morning set	6240 Mar 04 17:34	0° \mathbb{H}	
morning set	6239 Apr 06 07:56	8° $\mathbb{Y}\mathbb{02}'03$		max. Earth dist.	6240 Mar 15 16:27	16° $\mathbb{H}\mathbb{42}'01$	
max. Earth dist.	6239 Apr 11 14:28	16° $\mathbb{Y}\mathbb{44}'51$	1.40896 AU		6240 Mar 23 18:27	29° $\mathbb{H}\mathbb{34}'35$	1.42883 AU
					6240 Mar 24 00:42	0° \mathbb{Y}	
superior conj	6239 Apr 19 09:29	0° $\mathbb{B}\mathbb{15}'35$	-1°54'29	superior conj	6240 Mar 30 17:35	11° $\mathbb{Y}\mathbb{07}'21$	-2°08'36
minimum elong	6239 Apr 19 14:33	0° $\mathbb{B}\mathbb{38}'13$	1°54'05	minimum elong	6240 Mar 30 19:50	11° $\mathbb{Y}\mathbb{16}'53$	2°08'33
	6239 Apr 19 05:59	0° \mathbb{B}			6240 Apr 10 13:42	0° \mathbb{B}	
evening rise	6239 Apr 29 17:10	19° $\mathbb{B}\mathbb{14}'50$		evening rise	6240 Apr 11 13:01	1° $\mathbb{B}\mathbb{43}'55$	
asc. node	6239 May 04 06:28	27° $\mathbb{B}\mathbb{41}'02$		asc. node	6240 Apr 20 03:28	16° $\mathbb{B}\mathbb{45}'51$	
	6239 May 05 13:21	0° \mathbb{I}		evening max el	6240 Apr 28 08:28	28° $\mathbb{B}\mathbb{04}'47$	18°06'14
evening max el	6239 May 15 20:51	15° $\mathbb{I}\mathbb{02}'42$	18°17'58		6240 Apr 30 15:51	0° \mathbb{I}	
retrograde	6239 May 23 01:42	18° $\mathbb{I}\mathbb{38}'37$		retrograde	6240 May 04 22:20	1° $\mathbb{I}\mathbb{27}'11$	
evening set	6239 May 25 10:22	18° $\mathbb{I}\mathbb{16}'17$		evening set	6240 May 07 14:04	0° $\mathbb{I}\mathbb{54}'05$	
inferior conj	6239 Jun 01 15:41	13° $\mathbb{I}\mathbb{36}'42$	2°00'38		6240 May 09 07:17	30° $\mathbb{R}\mathbb{B}$	
minimum elong	6239 Jun 01 18:58	13° $\mathbb{I}\mathbb{29}'42$	1°59'39	inferior conj	6240 May 14 03:07	25° $\mathbb{B}\mathbb{53}'58$	2°53'40

minimum elong	6240 May 14 05:58	25°♄46'58	2°53'04	retrograde	6241 Apr 18 07:04	14°♄47'30	
min. Earth dist.	6240 May 17 06:40	22°♄50'06	0.61250 AU	evening set	6241 Apr 21 05:21	14°♄02'11	
morning rise	6240 May 20 19:49	19°♄56'25		inferior conj	6241 Apr 27 06:14	8°♄42'55	3°21'26
desc. node	6240 May 25 21:28	17°♄47'39		minimum elong	6241 Apr 27 07:41	8°♄38'54	3°21'15
direct	6240 May 27 12:54	17°♄39'38		min. Earth dist.	6241 Apr 29 20:35	5°♄51'15	0.63357 AU
morning max el	6240 Jun 10 18:26	25°♄38'02	27°52'01	morning rise	6241 May 03 08:50	2°♄33'37	
	6240 Jun 14 19:13	0°♂			6241 May 08 21:48	30°♄	
	6240 Jul 04 21:31	0°♄		direct	6241 May 10 04:28	29°♄54'40	
morning set	6240 Jul 13 18:40	17°♄07'23			6241 May 11 11:45	0°♄	
asc. node	6240 Jul 17 02:46	24°♄07'47		desc. node	6241 May 12 18:30	0°♄15'11	
max. Earth dist.	6240 Jul 19 15:52	29°♄38'02	1.32045 AU	morning max el	6241 May 24 02:22	7°♄55'16	27°45'35
	6240 Jul 19 19:54	0°♂			6241 Jun 10 01:58	0°♂	
					6241 Jun 27 02:30	0°♄	
superior conj	6240 Jul 21 03:13	2°♂51'29	0°40'37	morning set	6241 Jun 27 15:58	1°♄07'07	
minimum elong	6240 Jul 21 01:30	2°♂42'06	0°40'15	max. Earth dist.	6241 Jul 02 20:04	11°♄47'01	1.32709 AU
evening rise	6240 Jul 27 22:36	17°♂43'42		asc. node	6241 Jul 03 23:48	14°♄14'37	
	6240 Aug 02 22:45	0°♄					
desc. node	6240 Aug 21 20:43	28°♄19'19		superior conj	6241 Jul 05 10:47	17°♄22'36	0°15'02
evening max el	6240 Aug 23 01:03	29°♄29'29	24°55'30	minimum elong	6241 Jul 05 10:04	17°♄18'43	0°14'50
	6240 Aug 23 14:01	0°♄		behind sun begin	6241 Jul 05 08:06	17°♄08'08	
retrograde	6240 Sep 05 22:19	6°♄29'49		behind sun end	6241 Jul 05 12:02	17°♄29'18	
evening set	6240 Sep 11 09:56	5°♄21'55			6241 Jul 11 06:39	0°♂	
min. Earth dist.	6240 Sep 16 12:25	2°♄37'37	0.57163 AU	evening rise	6241 Jul 12 10:25	2°♂28'30	
inferior conj	6240 Sep 19 09:02	0°♄44'47	-5°22'16		6241 Jul 27 10:50	0°♄	
minimum elong	6240 Sep 19 10:50	0°♄41'50	5°22'12	evening max el	6241 Aug 04 13:04	9°♄51'09	23°18'53
	6240 Sep 20 12:24	30°♄		desc. node	6241 Aug 08 17:45	13°♄20'47	
morning rise	6240 Sep 27 13:59	26°♄36'04		retrograde	6241 Aug 18 00:46	16°♄36'29	
direct	6240 Sep 30 03:26	26°♄17'21		evening set	6241 Aug 22 00:36	16°♄01'35	
	6240 Oct 08 14:58	0°♄		min. Earth dist.	6241 Aug 28 22:20	12°♄50'29	0.55620 AU
morning max el	6240 Oct 09 07:08	0°♄36'54	19°14'16	inferior conj	6241 Aug 30 18:47	11°♄45'18	-5°11'12
asc. node	6240 Oct 13 02:03	4°♄53'58		minimum elong	6241 Aug 30 13:46	11°♄52'40	5°10'38
morning set	6240 Oct 26 06:34	27°♄50'56		morning rise	6241 Sep 08 05:16	7°♄53'24	
	6240 Oct 27 08:27	0°♄		direct	6241 Sep 11 03:32	7°♄32'43	
				morning max el	6241 Sep 21 19:34	12°♄30'46	20°25'44
superior conj	6240 Nov 03 10:28	14°♄01'45	1°30'38	asc. node	6241 Sep 29 23:06	22°♄48'54	
minimum elong	6240 Nov 03 13:06	14°♄14'34	1°30'27		6241 Oct 04 03:54	0°♄	
max. Earth dist.	6240 Nov 10 00:47	26°♄26'00	1.38373 AU	morning set	6241 Oct 10 12:45	12°♄29'33	
	6240 Nov 12 00:25	0°♄					
evening rise	6240 Nov 13 19:06	3°♄07'49		superior conj	6241 Oct 18 02:10	28°♄02'34	1°40'26
desc. node	6240 Nov 17 19:56	10°♄00'35		minimum elong	6241 Oct 18 03:20	28°♄08'32	1°40'25
	6240 Nov 30 15:48	0°♄			6241 Oct 19 01:25	0°♄	
evening max el	6240 Dec 19 07:43	23°♄31'29	24°52'08	max. Earth dist.	6241 Oct 23 07:46	8°♄24'04	1.36343 AU
	6240 Dec 28 18:01	0°♄		evening rise	6241 Oct 27 05:02	15°♄42'43	
retrograde	6240 Dec 31 00:52	0°♄20'01			6241 Nov 04 09:31	0°♄	
	6241 Jan 02 05:00	30°♄		desc. node	6241 Nov 04 16:57	0°♄30'46	
evening set	6241 Jan 05 15:42	27°♄59'45			6241 Nov 25 05:23	0°♄	
asc. node	6241 Jan 09 01:16	24°♄21'20		evening max el	6241 Dec 01 20:25	7°♄15'45	26°01'20
min. Earth dist.	6241 Jan 10 04:48	22°♄52'55	0.67674 AU	retrograde	6241 Dec 14 10:01	14°♄24'22	
inferior conj	6241 Jan 11 05:03	21°♄32'58	0°43'10	evening set	6241 Dec 20 14:01	11°♄52'35	
minimum elong	6241 Jan 11 04:01	21°♄36'22	0°42'46	min. Earth dist.	6241 Dec 24 20:06	7°♄20'37	0.66855 AU
morning rise	6241 Jan 16 16:31	15°♄34'24		inferior conj	6241 Dec 26 07:38	5°♄29'53	-0°12'28
direct	6241 Jan 20 07:48	14°♄18'23		minimum elong	6241 Dec 26 07:58	5°♄28'52	0°12'17
morning max el	6241 Jan 27 16:44	18°♄26'35	19°44'36	transit middle	6241 Dec 26 07:58	5°♄28'52	0°12'17
	6241 Feb 05 22:00	0°♄		transit begin	6241 Dec 26 06:07	5°♄34'37	
greatest brilliancy	6241 Feb 09 15:24	5°♄23'26	-0.6m	transit end	6241 Dec 26 09:49	5°♄23'07	
desc. node	6241 Feb 13 19:12	11°♄35'33		asc. node	6241 Dec 26 22:21	4°♄44'15	
morning set	6241 Feb 22 13:01	24°♄55'55			6241 Dec 31 14:19	30°♄	
	6241 Feb 25 19:39	0°♄		morning rise	6242 Jan 01 02:28	29°♄40'23	
max. Earth dist.	6241 Mar 06 06:09	13°♄14'24	1.44384 AU	direct	6242 Jan 04 06:31	28°♄43'04	
					6242 Jan 08 02:30	0°♄	
superior conj	6241 Mar 11 00:25	20°♄51'57	-2°06'55	morning max el	6242 Jan 11 01:16	2°♄26'12	18°50'42
minimum elong	6241 Mar 10 20:33	20°♄36'21	2°06'47		6242 Jan 30 10:18	0°♄	
	6241 Mar 16 14:35	0°♄		desc. node	6242 Jan 31 16:13	1°♄56'59	
evening rise	6241 Mar 24 13:38	13°♄20'39		morning set	6242 Feb 01 22:27	3°♄55'18	
	6241 Apr 03 12:28	0°♄		max. Earth dist.	6242 Feb 16 23:02	27°♄26'20	1.45232 AU
asc. node	6241 Apr 07 00:30	5°♄20'29					
evening max el	6241 Apr 11 21:32	11°♄23'39	18°13'32	superior conj	6242 Feb 18 10:03	29°♄43'51	-1°45'25

minimum elong	6242 Feb 18 00:55	29° \approx 07'57	1°44'38	max. Earth dist.	6243 Jan 30 18:07	11° \approx 52'24	1.45351 AU
	6242 Feb 18 14:10	0° \mathbb{H}			6243 Feb 11 08:44	0° \mathbb{H}	
evening rise	6242 Mar 05 15:23	23° \mathbb{H} 59'21		evening rise	6243 Feb 13 18:40	3° \mathbb{H} 45'48	
	6242 Mar 09 08:30	0° \mathbb{Y}		greatest brilliancy	6243 Feb 25 15:25	22° \mathbb{H} 07'56	-0.7m
asc. node	6242 Mar 24 21:34	23° \mathbb{Y} 15'00			6243 Mar 02 23:39	0° \mathbb{Y}	
evening max el	6242 Mar 26 09:14	24° \mathbb{Y} 51'53	18°39'10	evening max el	6243 Mar 09 17:24	8° \mathbb{Y} 25'09	19°21'59
retrograde	6242 Apr 01 23:31	28° \mathbb{Y} 30'04		asc. node	6243 Mar 11 18:38	10° \mathbb{Y} 17'47	
evening set	6242 Apr 05 04:28	27° \mathbb{Y} 31'40		retrograde	6243 Mar 16 20:13	12° \mathbb{Y} 28'39	
inferior conj	6242 Apr 10 20:57	21° \mathbb{Y} 55'03	3°29'33	evening set	6243 Mar 20 08:36	11° \mathbb{Y} 16'24	
minimum elong	6242 Apr 10 20:53	21° \mathbb{Y} 55'13	3°29'31	inferior conj	6243 Mar 25 19:48	5° \mathbb{Y} 24'17	3°22'31
min. Earth dist.	6242 Apr 12 19:56	19° \mathbb{Y} 32'29	0.65159 AU	minimum elong	6243 Mar 25 18:33	5° \mathbb{Y} 28'22	3°22'24
morning rise	6242 Apr 16 12:42	15° \mathbb{Y} 40'24		min. Earth dist.	6243 Mar 27 03:36	3° \mathbb{Y} 40'47	0.66564 AU
direct	6242 Apr 23 03:47	12° \mathbb{Y} 51'47			6243 Mar 30 06:40	30° \mathbb{R} \mathbb{H}	
desc. node	6242 Apr 29 15:32	15° \mathbb{Y} 01'18		morning rise	6243 Mar 31 04:10	29° \mathbb{H} 08'22	
morning max el	6242 May 06 12:35	20° \mathbb{Y} 44'00	27°05'06	direct	6243 Apr 06 09:39	26° \mathbb{H} 22'36	
	6242 May 14 12:23	0° \mathbb{B}			6243 Apr 14 16:11	0° \mathbb{Y}	
	6242 Jun 03 04:54	0° \mathbb{II}		desc. node	6243 Apr 16 12:32	1° \mathbb{Y} 33'13	
morning set	6242 Jun 11 03:41	14° \mathbb{II} 35'28		morning max el	6243 Apr 18 22:28	3° \mathbb{Y} 51'36	25°58'21
max. Earth dist.	6242 Jun 15 15:01	23° \mathbb{II} 26'52	1.33839 AU		6243 May 08 20:30	0° \mathbb{B}	
	6242 Jun 18 19:18	0° \mathbb{E}		morning set	6243 May 25 02:00	27° \mathbb{B} 21'54	
					6243 May 26 11:59	0° \mathbb{II}	
superior conj	6242 Jun 19 13:12	1° \mathbb{E} 33'43	-0°13'31	max. Earth dist.	6243 May 28 22:29	4° \mathbb{II} 38'02	1.35439 AU
minimum elong	6242 Jun 19 13:55	1° \mathbb{E} 37'30	0°13'24				
behind sun begin	6242 Jun 19 10:49	1° \mathbb{E} 21'11		superior conj	6243 Jun 03 07:59	15° \mathbb{II} 18'25	-0°43'47
behind sun end	6242 Jun 19 17:02	1° \mathbb{E} 53'49		minimum elong	6243 Jun 03 10:28	15° \mathbb{II} 31'00	0°43'21
asc. node	6242 Jun 20 20:49	4° \mathbb{E} 20'23		asc. node	6243 Jun 07 17:52	24° \mathbb{II} 21'26	
evening rise	6242 Jun 26 21:04	17° \mathbb{E} 05'14			6243 Jun 10 11:22	0° \mathbb{E}	
	6242 Jul 03 07:35	0° \mathbb{O}		evening rise	6243 Jun 11 04:31	1° \mathbb{E} 28'14	
evening max el	6242 Jul 17 05:12	20° \mathbb{O} 14'01	21°42'56		6243 Jun 28 05:50	0° \mathbb{O}	
desc. node	6242 Jul 26 14:47	26° \mathbb{O} 02'37		evening max el	6243 Jun 29 08:35	1° \mathbb{O} 08'57	20°20'12
retrograde	6242 Jul 29 16:38	26° \mathbb{O} 25'03		retrograde	6243 Jul 10 05:28	6° \mathbb{O} 29'06	
evening set	6242 Aug 01 07:30	26° \mathbb{O} 09'32		evening set	6243 Jul 12 04:23	6° \mathbb{O} 19'29	
inferior conj	6242 Aug 10 14:18	22° \mathbb{O} 08'36	-4°07'18	desc. node	6243 Jul 13 11:49	6° \mathbb{O} 02'50	
minimum elong	6242 Aug 10 05:13	22° \mathbb{O} 21'20	4°04'57	inferior conj	6243 Jul 21 08:24	2° \mathbb{O} 21'51	-2°20'30
min. Earth dist.	6242 Aug 10 07:56	22° \mathbb{O} 17'31	0.54813 AU	minimum elong	6243 Jul 21 01:54	2° \mathbb{O} 31'21	2°18'13
morning rise	6242 Aug 19 04:12	18° \mathbb{O} 17'42		min. Earth dist.	6243 Jul 22 19:16	1° \mathbb{O} 30'51	0.54953 AU
direct	6242 Aug 22 13:53	17° \mathbb{O} 52'24			6243 Jul 25 12:53	30° \mathbb{R} \mathbb{E}	
morning max el	6242 Sep 03 19:54	23° \mathbb{O} 38'06	21°57'03	morning rise	6243 Jul 29 22:18	28° \mathbb{E} 11'32	
	6242 Sep 09 11:32	0° \mathbb{P}		direct	6243 Aug 03 00:12	27° \mathbb{E} 35'32	
asc. node	6242 Sep 16 20:09	11° \mathbb{P} 25'58			6243 Aug 11 01:41	0° \mathbb{O}	
morning set	6242 Sep 24 22:33	27° \mathbb{P} 17'19		morning max el	6243 Aug 16 11:26	4° \mathbb{O} 08'47	23°40'27
	6242 Sep 26 05:30	0° \mathbb{A}			6243 Sep 03 09:54	0° \mathbb{P}	
				asc. node	6243 Sep 03 17:10	0° \mathbb{P} 34'46	
superior conj	6242 Oct 02 02:47	12° \mathbb{A} 28'52	1°42'39	morning set	6243 Sep 09 10:04	12° \mathbb{P} 08'49	
minimum elong	6242 Oct 02 02:33	12° \mathbb{A} 27'40	1°42'39				
max. Earth dist.	6242 Oct 05 21:11	20° \mathbb{A} 16'48	1.34605 AU	superior conj	6243 Sep 16 09:19	27° \mathbb{P} 11'18	1°38'20
evening rise	6242 Oct 10 07:22	29° \mathbb{A} 02'45		minimum elong	6243 Sep 16 07:59	27° \mathbb{P} 04'06	1°38'14
	6242 Oct 10 19:18	0° \mathbb{M}			6243 Sep 17 16:40	0° \mathbb{A}	
desc. node	6242 Oct 22 14:00	20° \mathbb{M} 45'56		max. Earth dist.	6243 Sep 18 19:20	2° \mathbb{A} 22'17	1.33271 AU
	6242 Oct 28 13:29	0° \mathbb{J}		evening rise	6243 Sep 23 22:06	12° \mathbb{A} 57'09	
evening max el	6242 Nov 14 09:16	20° \mathbb{J} 54'13	26°54'22		6243 Oct 03 00:21	0° \mathbb{M}	
retrograde	6242 Nov 27 13:46	28° \mathbb{J} 12'18		desc. node	6243 Oct 09 11:02	10° \mathbb{M} 38'56	
evening set	6242 Dec 04 05:35	25° \mathbb{J} 34'05			6243 Oct 23 18:37	0° \mathbb{J}	
min. Earth dist.	6242 Dec 08 05:21	21° \mathbb{J} 37'01	0.65680 AU	evening max el	6243 Oct 27 21:31	4° \mathbb{J} 16'32	27°23'58
inferior conj	6242 Dec 10 04:31	19° \mathbb{J} 20'50	-1°13'31	retrograde	6243 Nov 10 11:22	11° \mathbb{J} 34'58	
minimum elong	6242 Dec 10 06:37	19° \mathbb{J} 14'45	1°12'35	evening set	6243 Nov 17 11:50	8° \mathbb{J} 58'04	
asc. node	6242 Dec 13 19:25	15° \mathbb{J} 31'04		min. Earth dist.	6243 Nov 21 06:18	5° \mathbb{J} 34'20	0.64167 AU
morning rise	6242 Dec 16 08:40	13° \mathbb{J} 42'49		inferior conj	6243 Nov 23 17:11	2° \mathbb{J} 59'50	-2°18'17
direct	6242 Dec 19 03:26	13° \mathbb{J} 00'27		minimum elong	6243 Nov 23 21:19	2° \mathbb{J} 48'58	2°16'37
morning max el	6242 Dec 25 15:20	16° \mathbb{J} 29'35	18°13'09		6243 Nov 26 18:02	30° \mathbb{R} \mathbb{M}	
	6243 Jan 04 14:12	0° \mathbb{Z}		morning rise	6243 Nov 30 08:16	27° \mathbb{M} 36'17	
morning set	6243 Jan 13 12:10	14° \mathbb{Z} 21'18		asc. node	6243 Nov 30 16:27	27° \mathbb{M} 28'21	
desc. node	6243 Jan 18 13:14	22° \mathbb{Z} 30'38		direct	6243 Dec 02 20:09	27° \mathbb{M} 04'51	
	6243 Jan 23 05:36	0° \mathbb{A}			6243 Dec 08 19:56	0° \mathbb{J}	
				morning max el	6243 Dec 09 08:07	0° \mathbb{J} 29'16	17°52'37
superior conj	6243 Jan 28 14:12	8° \mathbb{A} 28'28	-1°06'42	morning set	6243 Dec 26 06:18	26° \mathbb{J} 10'52	
minimum elong	6243 Jan 28 06:17	7° \mathbb{A} 57'19	1°05'40		6243 Dec 28 12:19	0° \mathbb{Z}	

desc. node	6244 Jan 05 10:15	13°  12'03		desc. node	6244 Dec 19 22:24	0° 	
superior conj	6244 Jan 08 08:24	17°  57'49 -0°20'36		max. Earth dist.	6244 Dec 22 07:18	3°  58'02	
minimum elong	6244 Jan 08 06:02	17°  48'13 0°20'13		evening rise	6244 Dec 26 05:09	10°  22'56	1.43471 AU
max. Earth dist.	6244 Jan 13 12:56	26°  16'22 1.44741 AU			6245 Jan 02 19:46	22°  27'15	
	6244 Jan 15 21:36	0° 			6245 Jan 07 17:39	0° 	
evening rise	6244 Jan 24 07:12	13°  02'32		evening max el	6245 Jan 28 20:32	0° 	
	6244 Feb 04 11:48	0° 		retrograde	6245 Feb 02 18:15	5°  36'30	21°30'04
evening max el	6244 Feb 20 20:34	22°  00'09 20°20'00		asc. node	6245 Feb 11 16:13	10°  53'29	
asc. node	6244 Feb 26 15:40	26°  14'04		evening set	6245 Feb 12 12:41	10°  49'39	
retrograde	6244 Feb 28 18:26	26°  13'37		inferior conj	6245 Feb 15 23:18	9°  11'18	
evening set	6244 Mar 03 15:28	25°  10'43		minimum elong	6245 Feb 21 07:10	2°  54'56	2°34'43
inferior conj	6244 Mar 08 23:58	19°  05'13 3°03'33		min. Earth dist.	6245 Feb 21 04:49	3°  03'05	2°34'06
minimum elong	6244 Mar 08 21:56	19°  12'06 3°03'11			6245 Feb 21 12:06	2°  37'48	0.68085 AU
min. Earth dist.	6244 Mar 09 17:42	18°  04'52 0.67538 AU		morning rise	6245 Feb 23 10:45	30°  R 	
morning rise	6244 Mar 14 04:11	12°  17'43		direct	6245 Feb 26 10:09	26°  42'43	
direct	6244 Mar 19 20:52	10°  17'43			6245 Mar 03 12:32	24°  29'46	
morning max el	6244 Mar 31 07:09	17°  08'04 24°35'09		morning max el	6245 Mar 13 03:52	0° 	
desc. node	6244 Apr 02 09:32	19°  21'25		desc. node	6245 Mar 13 16:30	0°  31'22	23°05'42
	6244 Apr 11 00:14	0° 			6245 Mar 20 06:34	8°  04'47	
	6244 Apr 30 20:48	0° 		morning set	6245 Apr 04 21:28	0° 	
morning set	6244 May 06 05:48	9°  11'56		max. Earth dist.	6245 Apr 17 09:14	19°  50'24	
max. Earth dist.	6244 May 09 20:39	15°  40'22 1.37433 AU			6245 Apr 21 16:26	27°  08'29	1.39639 AU
					6245 Apr 23 07:51	0° 	
superior conj	6244 May 16 15:56	28°  28'02 -1°14'03		superior conj	6245 Apr 29 09:00	10°  52'18	-1°41'31
minimum elong	6244 May 16 20:11	28°  48'35 1°13'25		minimum elong	6245 Apr 29 14:17	11°  16'38	1°40'56
	6244 May 17 10:52	0° 		evening rise	6245 May 08 23:32	29°  03'37	
asc. node	6244 May 24 14:54	14°  13'27			6245 May 09 11:18	0° 	
evening rise	6244 May 25 06:20	15°  13'02		asc. node	6245 May 11 11:55	3°  51'31	
	6244 Jun 01 21:20	0° 		evening max el	6245 May 25 03:08	25°  10'41	18°33'32
evening max el	6244 Jun 11 00:42	12°  46'59 19°16'37		retrograde	6245 Jun 01 21:50	28°  55'19	
retrograde	6244 Jun 20 04:24	17°  16'26		evening set	6245 Jun 04 02:20	28°  38'02	
evening set	6244 Jun 22 02:56	17°  05'13		inferior conj	6245 Jun 11 18:31	24°  09'52	1°16'44
desc. node	6244 Jun 29 08:48	13°  45'50		minimum elong	6245 Jun 11 21:06	24°  04'50	1°15'50
inferior conj	6244 Jun 30 15:10	12°  56'08 -0°22'48		min. Earth dist.	6245 Jun 15 03:05	21°  34'43	0.57799 AU
minimum elong	6244 Jun 30 14:10	12°  57'47 0°22'27		desc. node	6245 Jun 16 05:49	20°  46'59	
min. Earth dist.	6244 Jul 03 09:06	11°  07'28 0.56022 AU		morning rise	6245 Jun 19 12:35	18°  50'11	
morning rise	6244 Jul 08 22:30	8°  12'13		direct	6245 Jun 25 08:15	17°  24'28	
direct	6244 Jul 13 21:16	7°  16'07		morning max el	6245 Jul 09 17:31	25°  10'50	26°46'14
morning max el	6244 Jul 28 00:36	14°  27'10 25°22'18			6245 Jul 14 07:44	0° 	
	6244 Aug 09 08:31	0° 			6245 Aug 02 12:29	0° 	
asc. node	6244 Aug 20 14:11	20°  07'14		asc. node	6245 Aug 07 11:12	9°  55'55	
morning set	6244 Aug 23 21:39	26°  09'26		morning set	6245 Aug 08 07:38	11°  43'15	
	6244 Aug 25 07:23	0° 					
superior conj	6244 Aug 30 19:26	12°  02'43 1°28'20		superior conj	6245 Aug 15 07:07	26°  55'46	1°13'18
minimum elong	6244 Aug 30 17:24	11°  51'33 1°28'05		minimum elong	6245 Aug 15 04:50	26°  43'07	1°12'55
max. Earth dist.	6244 Sep 01 01:08	14°  45'32 1.32372 AU		max. Earth dist.	6245 Aug 15 11:17	27°  18'53	1.31903 AU
evening rise	6244 Sep 06 21:48	27°  16'26			6245 Aug 16 16:26	0° 	
	6244 Sep 08 05:45	0° 		evening rise	6245 Aug 22 03:37	11°  51'17	
desc. node	6244 Sep 25 08:04	0° 			6245 Aug 31 09:43	0° 	
	6244 Sep 25 07:54	0° 		desc. node	6245 Sep 12 05:04	18°  37'16	
evening max el	6244 Oct 09 07:04	17°  09'45 27°23'52		evening max el	6245 Sep 21 10:55	29°  19'26	26°50'23
retrograde	6244 Oct 23 01:53	24°  12'34			6245 Sep 22 04:26	0° 	
evening set	6244 Oct 30 05:34	21°  15'57		retrograde	6245 Oct 05 08:25	6°  28'44	
min. Earth dist.	6244 Nov 02 21:07	19°  02'45 0.62358 AU		evening set	6245 Oct 12 06:31	4°  25'41	
inferior conj	6244 Nov 05 18:45	16°  19'54 -3°23'36		min. Earth dist.	6245 Oct 16 00:59	1°  48'24	0.60332 AU
minimum elong	6244 Nov 06 00:43	16°  05'56 3°21'35			6245 Oct 18 06:08	30°  R 	
morning rise	6244 Nov 12 21:42	11°  14'15		inferior conj	6245 Oct 19 05:48	29°  10'58	-4°23'50
direct	6244 Nov 15 05:27	10°  15'08		minimum elong	6245 Oct 19 12:26	28°  57'20	4°22'13
asc. node	6244 Nov 16 13:27	10°  15'58		morning rise	6245 Oct 26 20:27	24°  26'46	
morning max el	6244 Nov 22 00:37	14°  18'10 17°49'59		direct	6245 Oct 29 03:19	24°  06'51	
	6244 Dec 02 19:37	0° 		asc. node	6245 Nov 03 10:29	25°  59'32	
morning set	6244 Dec 07 22:45	9°  04'50		morning max el	6245 Nov 05 13:31	27°  47'01	18°06'21
					6245 Nov 07 14:20	0° 	
superior conj	6244 Dec 19 03:48	28° 41'24 0°22'27		morning set	6245 Nov 21 07:10	22° 43'21	
minimum elong	6244 Dec 19 05:53	28° 50'11 0°22'10			6245 Nov 25 04:41	0°	

superior conj	6245 Dec 01 00:33	10° ♄ 38'12	0°56'47	minimum elong	6246 Nov 13 21:17	23° ♄ 50'17	1°20'43
minimum elong	6245 Dec 01 04:15	10° ♄ 54'45	0°56'19		6246 Nov 17 05:00	0° ♄	
max. Earth dist.	6245 Dec 08 16:22	23° ♄ 54'26	1.41681 AU	max. Earth dist.	6246 Nov 20 22:36	6° ♄ 41'39	1.39599 AU
desc. node	6245 Dec 09 04:19	24° ♄ 44'32		evening rise	6246 Nov 24 23:07	13° ♄ 37'49	
	6245 Dec 12 08:47	0° ♄		desc. node	6246 Nov 26 01:20	15° ♄ 27'58	
evening rise	6245 Dec 13 22:34	2° ♄ 33'00			6246 Dec 05 03:06	0° ♄	
	6246 Jan 01 03:15	0° ♄			6246 Dec 27 05:51	0° ♄	
evening max el	6246 Jan 16 11:06	19° ♄ 14'58	22°47'56	evening max el	6246 Dec 30 00:55	2° ♄ 56'39	24°07'54
retrograde	6246 Jan 26 12:01	25° ♄ 12'32		retrograde	6247 Jan 10 04:31	9° ♄ 29'49	
asc. node	6246 Jan 30 09:42	23° ♄ 54'30		evening set	6247 Jan 15 11:38	7° ♄ 17'26	
evening set	6246 Jan 31 06:33	23° ♄ 14'55		asc. node	6247 Jan 17 06:45	5° ♄ 31'14	
inferior conj	6246 Feb 05 15:27	16° ♄ 51'03	1°57'22	min. Earth dist.	6247 Jan 20 05:04	1° ♄ 50'45	0.67974 AU
minimum elong	6246 Feb 05 13:15	16° ♄ 58'42	1°56'37	inferior conj	6247 Jan 20 22:59	0° ♄ 50'11	1°12'18
min. Earth dist.	6246 Feb 05 08:39	17° ♄ 14'35	0.68221 AU	minimum elong	6247 Jan 20 21:23	0° ♄ 55'35	1°11'42
morning rise	6246 Feb 10 19:50	10° ♄ 42'45			6247 Jan 21 13:53	30° ♄	
direct	6246 Feb 15 07:47	8° ♄ 52'23		morning rise	6247 Jan 26 07:12	24° ♄ 47'23	
morning max el	6246 Feb 24 05:55	14° ♄ 04'07	21°39'14	direct	6247 Jan 30 05:34	23° ♄ 19'26	
desc. node	6246 Mar 07 03:36	27° ♄ 28'10		morning max el	6247 Feb 07 02:17	27° ♄ 48'04	20°22'29
	6246 Mar 08 23:17	0° ♄			6247 Feb 09 03:42	0° ♄	
morning set	6246 Mar 28 08:32	29° ♄ 10'15		desc. node	6247 Feb 22 00:37	17° ♄ 20'02	
	6246 Mar 28 21:00	0° ♄			6247 Mar 02 11:43	0° ♄	
max. Earth dist.	6246 Apr 03 16:24	9° ♄ 26'43	1.41781 AU	morning set	6247 Mar 07 09:09	7° ♄ 30'44	
				max. Earth dist.	6247 Mar 16 23:21	22° ♄ 37'44	1.43585 AU
superior conj	6246 Apr 11 06:29	22° ♄ 20'36	-2°02'02		6247 Mar 21 12:16	0° ♄	
minimum elong	6246 Apr 11 10:48	22° ♄ 39'26	2°01'47				
	6246 Apr 15 14:20	0° ♄		superior conj	6247 Mar 23 03:53	2° ♄ 43'20	-2°10'08
evening rise	6246 Apr 22 04:29	11° ♄ 59'21		minimum elong	6247 Mar 23 03:50	2° ♄ 43'10	2°10'09
asc. node	6246 Apr 28 08:56	23° ♄ 10'37		evening rise	6247 Apr 04 16:42	24° ♄ 07'05	
	6246 May 02 11:07	0° ♄			6247 Apr 08 01:34	0° ♄	
evening max el	6246 May 08 12:23	7° ♄ 52'28	18°10'35	asc. node	6247 Apr 15 05:59	12° ♄ 03'47	
retrograde	6246 May 15 09:41	11° ♄ 21'11		evening max el	6247 Apr 22 00:59	21° ♄ 02'32	18°07'05
evening set	6246 May 17 21:17	10° ♄ 54'38		retrograde	6247 Apr 28 11:56	24° ♄ 23'58	
inferior conj	6246 May 24 19:11	6° ♄ 06'03	2°26'35	evening set	6247 May 01 06:24	23° ♄ 45'57	
minimum elong	6246 May 24 22:28	5° ♄ 58'34	2°25'43	inferior conj	6247 May 07 13:49	18° ♄ 37'48	3°08'10
min. Earth dist.	6246 May 28 03:37	3° ♄ 05'18	0.59958 AU	minimum elong	6247 May 07 16:07	18° ♄ 31'48	3°07'45
morning rise	6246 May 31 20:58	0° ♄ 18'54		min. Earth dist.	6247 May 10 12:22	15° ♄ 36'13	0.62171 AU
	6246 Jun 01 09:55	30° ♄		morning rise	6247 May 14 00:07	12° ♄ 34'03	
desc. node	6246 Jun 03 02:50	29° ♄ 10'34		direct	6247 May 20 19:17	10° ♄ 06'05	
direct	6246 Jun 07 08:25	28° ♄ 19'32		desc. node	6247 May 20 23:53	10° ♄ 06'12	
	6246 Jun 13 14:07	0° ♄		morning max el	6247 Jun 03 22:19	18° ♄ 07'31	27°53'45
morning max el	6246 Jun 21 16:59	6° ♄ 13'36	27°38'47		6247 Jun 13 21:01	0° ♄	
	6246 Jul 09 12:19	0° ♄			6247 Jul 02 07:39	0° ♄	
morning set	6246 Jul 23 14:21	26° ♄ 14'56		morning set	6247 Jul 07 15:44	10° ♄ 27'58	
asc. node	6246 Jul 25 08:14	29° ♄ 55'22		asc. node	6247 Jul 12 05:16	20° ♄ 00'31	
	6246 Jul 25 09:06	0° ♄		max. Earth dist.	6247 Jul 13 05:31	22° ♄ 10'52	1.32263 AU
max. Earth dist.	6246 Jul 29 22:04	9° ♄ 51'30	1.31863 AU				
superior conj	6246 Jul 30 18:36	11° ♄ 44'48	0°53'44	superior conj	6247 Jul 15 04:09	26° ♄ 23'55	0°30'10
minimum elong	6246 Jul 30 16:33	11° ♄ 33'26	0°53'20	minimum elong	6247 Jul 15 02:48	26° ♄ 16'34	0°29'52
evening rise	6246 Aug 06 13:19	26° ♄ 34'45			6247 Jul 16 19:40	0° ♄	
	6246 Aug 08 04:12	0° ♄		evening rise	6247 Jul 22 00:52	11° ♄ 20'20	
	6246 Aug 25 06:14	0° ♄			6247 Jul 31 11:43	0° ♄	
desc. node	6246 Aug 30 02:05	6° ♄ 11'04		evening max el	6247 Aug 15 20:43	21° ♄ 15'50	24°15'27
evening max el	6246 Sep 03 07:06	10° ♄ 39'08	25°44'46	desc. node	6247 Aug 16 23:06	22° ♄ 17'07	
retrograde	6246 Sep 17 05:52	17° ♄ 44'23		retrograde	6247 Aug 29 15:51	28° ♄ 12'04	
evening set	6246 Sep 23 09:53	16° ♄ 14'43		evening set	6247 Sep 03 12:39	27° ♄ 19'35	
min. Earth dist.	6246 Sep 27 19:21	13° ♄ 38'24	0.58264 AU	min. Earth dist.	6247 Sep 09 07:37	24° ♄ 25'28	0.56428 AU
inferior conj	6246 Sep 30 22:53	11° ♄ 23'52	-5°09'00	inferior conj	6247 Sep 11 19:51	22° ♄ 51'28	-5°23'39
minimum elong	6246 Oct 01 03:32	11° ♄ 15'34	5°08'25	minimum elong	6247 Sep 11 18:52	22° ♄ 53'01	5°23'37
morning rise	6246 Oct 08 23:30	7° ♄ 02'48		morning rise	6247 Sep 20 03:25	18° ♄ 51'00	
direct	6246 Oct 11 09:13	6° ♄ 44'28		direct	6247 Sep 22 20:02	18° ♄ 31'49	
morning max el	6246 Oct 19 19:23	10° ♄ 46'37	18°43'12	morning max el	6247 Oct 02 14:52	23° ♄ 06'59	19°42'00
asc. node	6246 Oct 21 07:32	12° ♄ 20'16		asc. node	6247 Oct 08 04:35	29° ♄ 45'18	
	6246 Nov 01 12:57	0° ♄			6247 Oct 08 08:41	0° ♄	
morning set	6246 Nov 05 02:41	6° ♄ 52'37		morning set	6247 Oct 20 05:51	21° ♄ 23'16	
					6247 Oct 24 11:50	0° ♄	
superior conj	6246 Nov 13 17:58	23° ♄ 34'36	1°21'02	superior conj	6247 Oct 28 02:52	7° ♄ 16'07	1°35'47

minimum elong	6247 Oct 28 04:55	7°  26'12	1°35'41		6248 Sep 30 13:47	0° 	
max. Earth dist.	6247 Nov 03 03:46	18°  52'39	1.37484 AU	morning set	6248 Oct 03 13:51	6°  06'42	
evening rise	6247 Nov 06 21:53	25°  43'10					
	6247 Nov 09 08:21	0° 		superior conj	6248 Oct 10 22:46	21°  28'56	1°42'14
desc. node	6247 Nov 12 22:21	6°  04'47		minimum elong	6248 Oct 10 23:19	21°  31'48	1°42'14
	6247 Nov 28 16:42	0° 			6248 Oct 15 03:45	0° 	
evening max el	6247 Dec 12 13:49	16°  34'14	25°23'08	max. Earth dist.	6248 Oct 15 13:13	0°  46'48	1.35560 AU
retrograde	6247 Dec 24 16:36	23°  34'01		evening rise	6248 Oct 19 15:20	8°  38'59	
evening set	6247 Dec 30 12:56	21°  31'53		desc. node	6248 Oct 29 19:22	26°  32'37	
min. Earth dist.	6248 Jan 03 23:02	16°  32'16	0.67368 AU		6248 Oct 31 23:31	0° 	
asc. node	6248 Jan 04 03:49	16°  30'75			6248 Nov 23 16:03	0° 	
inferior conj	6248 Jan 05 03:58	14°  34'49	0°20'20	evening max el	6248 Nov 24 02:50	0°  26'17	26°26'21
minimum elong	6248 Jan 05 03:27	14°  35'12	0°20'09	retrograde	6248 Dec 06 23:22	7°  39'26	
morning rise	6248 Jan 10 18:18	8°  35'32		evening set	6248 Dec 13 08:37	5°  30'29	
direct	6248 Jan 14 04:33	7°  36'52		min. Earth dist.	6248 Dec 17 12:04	0°  34'15	0.66404 AU
morning max el	6248 Jan 21 06:35	11°  34'14	19°19'37		6248 Dec 18 03:48	30°  45'17	
greatest brilliancy	6248 Feb 03 12:09	29°  21'01	-0.7m	inferior conj	6248 Dec 19 04:25	28°  45'17	-0°37'45
	6248 Feb 03 22:32	0° 		minimum elong	6248 Dec 19 05:27	28°  42'09	0°37'15
desc. node	6248 Feb 08 21:39	7°  32'52		asc. node	6248 Dec 21 00:53	26°  34'28	
morning set	6248 Feb 14 08:15	15°  35'55		morning rise	6248 Dec 25 02:58	23°  40'06	
	6248 Feb 23 09:21	0° 		direct	6248 Dec 28 02:54	22°  40'28	
max. Earth dist.	6248 Feb 27 13:12	6°  32'18	1.44835 AU	morning max el	6249 Jan 03 17:42	25°  45'09	18°32'36
					6249 Jan 07 09:49	0° 	
superior conj	6248 Mar 02 00:37	12°  30'49	-2°00'16	morning set	6249 Jan 24 04:57	25°  30'49	
minimum elong	6248 Mar 01 18:00	11°  36'27	1°59'54	desc. node	6249 Jan 25 18:39	28°  30'17	
	6248 Mar 13 02:41	0° 			6249 Jan 27 00:54	0° 	
evening rise	6248 Mar 16 07:51	5°  19'13					
	6248 Mar 31 20:11	0° 		superior conj	6249 Feb 09 05:25	20°  44'48	-1°30'37
asc. node	6248 Apr 01 03:02	0°  22'55		minimum elong	6249 Feb 08 19:55	20°  47'34	1°29'37
evening max el	6248 Apr 04 13:51	4°  26'36	18°22'17	max. Earth dist.	6249 Feb 09 07:43	20°  53'47	1.45385 AU
retrograde	6248 Apr 11 00:18	7°  35'44			6249 Feb 15 03:00	0° 	
evening set	6248 Apr 14 01:25	7°  30'56		evening rise	6249 Feb 24 23:35	15°  34'12	
inferior conj	6248 Apr 19 22:18	1°  37'18	3°26'54	greatest brilliancy	6249 Mar 05 22:12	29°  44'59	-0.8m
minimum elong	6248 Apr 19 23:06	1°  35'01	3°26'50		6249 Mar 06 02:02	0° 	
	6248 Apr 21 07:53	30°  45'17		evening max el	6249 Mar 19 00:19	17°  57'52	18°55'23
min. Earth dist.	6248 Apr 22 06:18	28°  56'15	0.64177 AU	asc. node	6249 Mar 19 00:05	17°  57'14	
morning rise	6248 Apr 25 19:54	25°  52'18		retrograde	6249 Mar 25 18:51	21°  45'13	
direct	6248 May 02 14:34	22°  40'22		evening set	6249 Mar 29 02:58	20°  40'48	
desc. node	6248 May 06 20:56	23°  36'30		inferior conj	6249 Apr 03 16:51	14°  57'20	3°28'09
	6248 May 15 15:43	0° 		minimum elong	6249 Apr 03 16:14	14°  59'14	3°28'07
morning max el	6248 May 16 07:18	0°  38'40	27°31'58	min. Earth dist.	6249 Apr 05 09:12	12°  50'49	0.65815 AU
	6248 Jun 06 22:35	0° 		morning rise	6249 Apr 09 05:04	8°  42'01	
morning set	6248 Jun 20 09:19	24°  15'08		direct	6249 Apr 15 16:37	5°  53'24	
	6248 Jun 23 06:04	0° 		desc. node	6249 Apr 23 17:58	9°  11'52	
max. Earth dist.	6248 Jun 25 05:56	4°  06'49	1.33130 AU	morning max el	6249 Apr 28 17:30	13°  36'43	26°39'22
					6249 May 11 23:42	0° 	
superior conj	6248 Jun 28 09:48	10°  34'20	0°03'14		6249 May 30 15:09	0° 	
minimum elong	6248 Jun 28 09:39	10°  36'29	0°03'10	morning set	6249 Jun 03 15:52	7°  12'21	
behind sun begin	6248 Jun 28 04:19	10°  38'03		max. Earth dist.	6249 Jun 07 20:18	15°  34'55	1.34467 AU
behind sun end	6248 Jun 28 14:58	11°  34'58					
asc. node	6248 Jun 28 02:18	10°  30'19		superior conj	6249 Jun 12 09:20	24°  48'43	-0°26'13
evening rise	6248 Jul 05 12:24	26°  32'18		minimum elong	6249 Jun 12 10:47	24°  56'10	0°25'58
	6248 Jul 07 09:47	0° 		asc. node	6249 Jun 14 23:20	0°  12'02	
	6248 Jul 25 20:55	0° 			6249 Jun 14 21:02	0° 	
evening max el	6248 Jul 27 09:34	1°  34'02	22°37'10	evening rise	6249 Jun 19 21:59	10°  34'44	
desc. node	6248 Aug 02 20:08	6°  23'19			6249 Jun 30 02:28	0° 	
retrograde	6248 Aug 09 12:52	8°  06'40		evening max el	6249 Jul 09 05:56	12°  30'15	21°05'36
evening set	6248 Aug 12 21:14	7°  32'06		desc. node	6249 Jul 20 17:10	17°  38'22	
min. Earth dist.	6248 Aug 20 17:08	4°  35'26	0.55166 AU	retrograde	6249 Jul 21 01:47	17°  38'40	
inferior conj	6248 Aug 21 22:21	3°  33'53	-4°50'39	evening set	6249 Jul 23 07:49	17°  46'46	
minimum elong	6248 Aug 21 14:53	3°  44'32	4°49'19	inferior conj	6249 Aug 01 15:25	13°  49'03	-3°25'39
	6248 Aug 29 11:12	30°  42'17		minimum elong	6249 Aug 01 06:42	14°  01'20	3°22'57
morning rise	6248 Aug 30 10:28	29°  44'32		min. Earth dist.	6249 Aug 02 02:55	13°  32'51	0.54753 AU
direct	6248 Sep 02 13:24	29°  42'10		morning rise	6249 Aug 10 06:00	9°  52'47	
	6248 Sep 06 11:53	0° 		direct	6249 Aug 13 22:06	9°  52'52	
morning max el	6248 Sep 13 21:51	4°  40'09	21°02'30	morning max el	6249 Aug 26 17:41	15°  29'41	22°40'19
asc. node	6248 Sep 24 01:38	17°  59'38			6249 Sep 06 23:52	0° 	

asc. node	6249 Sep 10 22:39	6°♎51'40		asc. node	6250 Aug 28 19:39	26°♏11'20	
morning set	6249 Sep 18 00:36	20°♎57'12			6250 Aug 30 17:19	0°♎	
	6249 Sep 22 06:21	0°♎		morning set	6250 Sep 02 12:19	5°♎48'53	
superior conj	6249 Sep 25 02:13	6°♎03'15	1°41'34	superior conj	6250 Sep 09 10:31	20°♎50'16	1°34'44
minimum elong	6249 Sep 25 01:28	5°♎59'18	1°41'32	minimum elong	6250 Sep 09 08:50	20°♎41'06	1°34'36
max. Earth dist.	6249 Sep 28 06:36	12°♎45'10	1.33986 AU	max. Earth dist.	6250 Sep 11 08:11	24°♎57'43	1.32830 AU
evening rise	6249 Oct 02 23:23	22°♎14'55			6250 Sep 13 16:50	0°♎	
	6249 Oct 07 00:56	0°♎		evening rise	6250 Sep 16 18:15	6°♎20'30	
desc. node	6249 Oct 16 16:23	16°♎36'34			6250 Sep 29 14:24	0°♎	
	6249 Oct 25 17:40	0°♎		desc. node	6250 Oct 03 13:25	6°♎17'35	
evening max el	6249 Nov 06 15:39	13°♎59'32	27°10'08	evening max el	6250 Oct 20 02:46	27°♎10'06	27°27'47
retrograde	6249 Nov 20 00:21	21°♎17'57			6250 Oct 23 09:07	0°♎	
evening set	6249 Nov 26 20:32	18°♎39'07		retrograde	6250 Nov 02 19:05	4°♎27'34	
min. Earth dist.	6249 Nov 30 17:53	14°♎56'48	0.65085 AU	evening set	6250 Nov 09 21:55	1°♎53'42	
inferior conj	6249 Dec 02 22:05	12°♎31'54	-1°40'39		6250 Nov 12 05:50	30°♎	
minimum elong	6249 Dec 03 01:02	12°♎23'41	1°39'23	min. Earth dist.	6250 Nov 13 14:32	28°♎43'18	0.63428 AU
asc. node	6249 Dec 07 21:55	7°♎46'50		inferior conj	6250 Nov 16 06:22	26°♎03'30	-2°46'11
morning rise	6249 Dec 09 06:44	6°♎59'45		minimum elong	6250 Nov 16 11:21	25°♎51'01	2°44'18
direct	6249 Dec 11 22:22	6°♎22'24		morning rise	6250 Nov 23 02:29	20°♎47'31	
morning max el	6249 Dec 18 09:17	9°♎48'03	18°02'18	asc. node	6250 Nov 24 18:56	20°♎22'14	
	6250 Jan 01 07:50	0°♎		direct	6250 Nov 25 12:12	20°♎19'42	
morning set	6250 Jan 05 07:18	6°♎34'41		morning max el	6250 Dec 02 02:24	23°♎44'33	17°49'21
desc. node	6250 Jan 12 15:39	18°♎37'54			6250 Dec 07 02:38	0°♎	
				morning set	6250 Dec 18 11:45	18°♎54'14	
superior conj	6250 Jan 19 13:23	29°♎42'49	-0°47'20		6250 Dec 24 22:27	0°♎	
minimum elong	6250 Jan 19 07:40	29°♎20'06	0°46'31				
	6250 Jan 19 17:43	0°♎		superior conj	6250 Dec 30 17:49	9°♎43'13	-0°01'32
max. Earth dist.	6250 Jan 23 03:33	5°♎23'11	1.45185 AU	minimum elong	6250 Dec 30 17:39	9°♎42'33	0°01'29
evening rise	6250 Feb 04 19:13	25°♎04'46		behind sun begin	6250 Dec 30 08:08	9°♎03'17	
	6250 Feb 07 23:48	0°♎		behind sun end	6250 Dec 31 03:10	10°♎21'43	
greatest brilliancy	6250 Feb 18 10:37	15°♎53'04	-0.7m	desc. node	6250 Dec 30 12:40	9°♎22'00	
	6250 Feb 28 20:20	0°♎		max. Earth dist.	6251 Jan 05 21:20	19°♎41'25	1.44268 AU
evening max el	6250 Mar 02 06:25	1°♎31'57	19°44'54		6251 Jan 12 10:27	0°♎	
asc. node	6250 Mar 05 21:07	4°♎33'46		evening rise	6251 Jan 15 05:48	4°♎20'26	
retrograde	6250 Mar 09 16:34	5°♎49'06			6251 Feb 01 10:47	0°♎	
evening set	6250 Mar 13 08:30	4°♎30'33		evening max el	6251 Feb 13 07:09	15°♎07'45	20°48'29
	6250 Mar 17 15:34	30°♎		asc. node	6251 Feb 20 18:09	19°♎58'12	
inferior conj	6250 Mar 18 18:15	28°♎32'09	3°15'48	retrograde	6251 Feb 21 14:58	20°♎02'11	
minimum elong	6250 Mar 18 16:37	28°♎37'36	3°15'34	evening set	6251 Feb 25 16:01	18°♎28'55	
min. Earth dist.	6250 Mar 19 19:48	27°♎07'07	0.67031 AU	inferior conj	6251 Mar 02 23:59	12°♎18'14	2°52'29
morning rise	6250 Mar 24 00:29	22°♎16'29		minimum elong	6251 Mar 02 21:46	12°♎25'52	2°51'59
direct	6250 Mar 30 00:40	19°♎35'36		min. Earth dist.	6251 Mar 03 12:08	11°♎36'24	0.67818 AU
desc. node	6250 Apr 10 14:59	26°♎19'36		morning rise	6251 Mar 08 03:20	6°♎04'04	
morning max el	6250 Apr 11 03:03	26°♎49'49	25°24'25	direct	6251 Mar 13 13:55	3°♎39'17	
	6250 Apr 14 01:52	0°♎		morning max el	6251 Mar 24 11:51	10°♎10'25	23°57'15
	6250 May 05 14:33	0°♎		desc. node	6251 Mar 28 11:59	14°♎34'09	
morning set	6250 May 17 06:57	19°♎51'42			6251 Apr 09 04:46	0°♎	
max. Earth dist.	6250 May 20 23:38	26°♎40'40	1.36248 AU		6251 Apr 28 07:54	0°♎	
	6250 May 22 17:38	0°♎		morning set	6251 Apr 29 01:09	1°♎13'52	
				max. Earth dist.	6251 May 02 19:38	7°♎49'19	1.38360 AU
superior conj	6250 May 26 23:53	8°♎19'24	-0°56'46				
minimum elong	6250 May 27 03:09	8°♎35'37	0°56'14	superior conj	6251 May 10 02:02	21°♎11'07	-1°26'16
asc. node	6250 Jun 01 20:20	20°♎09'50		minimum elong	6251 May 10 06:51	21°♎34'04	1°25'37
evening rise	6250 Jun 04 03:21	24°♎50'01			6251 May 14 15:45	0°♎	
	6250 Jun 06 17:08	0°♎		evening rise	6251 May 19 01:55	8°♎41'05	
evening max el	6250 Jun 21 14:42	23°♎20'40	19°50'37	asc. node	6251 May 19 17:21	9°♎56'40	
retrograde	6250 Jul 01 17:51	28°♎18'58			6251 May 31 02:33	0°♎	
evening set	6250 Jul 03 15:06	28°♎09'22		evening max el	6251 Jun 04 11:35	5°♎16'20	18°55'47
desc. node	6250 Jul 07 14:13	26°♎53'28		retrograde	6251 Jun 13 00:07	9°♎27'41	
inferior conj	6250 Jul 12 13:26	24°♎07'57	-1°29'51	evening set	6251 Jun 15 00:39	9°♎14'28	
minimum elong	6250 Jul 12 09:16	24°♎14'19	1°28'19	inferior conj	6251 Jun 23 04:29	4°♎58'02	0°22'45
min. Earth dist.	6250 Jul 14 15:06	22°♎51'54	0.55299 AU	minimum elong	6251 Jun 23 05:23	4°♎56'26	0°22'22
morning rise	6250 Jul 21 01:27	19°♎44'21		desc. node	6251 Jun 24 11:14	4°♎03'20	
direct	6250 Jul 25 11:30	19°♎01'24		min. Earth dist.	6251 Jun 26 06:50	2°♎47'13	0.56710 AU
morning max el	6250 Aug 08 07:32	25°♎52'08	24°25'02	morning rise	6251 Jul 01 06:44	29°♎57'58	
	6250 Aug 12 05:33	0°♎			6251 Jul 01 04:48	30°♎	

direct	6251 Jul 06 14:41	28° Π 50'02		direct	6252 Jun 17 07:57	9° Π 17'25	
	6251 Jul 12 01:30	0° \mathfrak{G}		morning max el	6252 Jul 01 17:12	17° Π 02'57	27°12'52
morning max el	6251 Jul 20 21:49	6° \mathfrak{G} 14'32	26°01'04		6252 Jul 12 09:46	0° \mathfrak{G}	
	6251 Aug 07 08:12	0° Ω			6252 Jul 29 18:54	0° Ω	
asc. node	6251 Aug 15 16:40	15° Ω 51'11		morning set	6252 Aug 01 08:13	5° Ω 16'33	
morning set	6251 Aug 17 23:23	20° Ω 36'54		asc. node	6252 Aug 01 13:41	5° Ω 45'20	
	6251 Aug 22 07:19	0° \mathfrak{M}					
superior conj	6251 Aug 24 21:31	5° \mathfrak{M} 43'05	1°22'32	superior conj	6252 Aug 08 09:23	20° Ω 35'45	1°05'31
minimum elong	6251 Aug 24 19:19	5° \mathfrak{M} 30'59	1°22'14	minimum elong	6252 Aug 08 07:08	20° Ω 23'18	1°05'08
max. Earth dist.	6251 Aug 25 15:59	7° \mathfrak{M} 24'54	1.32114 AU	max. Earth dist.	6252 Aug 08 02:51	19° Ω 59'37	1.31832 AU
evening rise	6251 Aug 31 20:50	20° \mathfrak{M} 47'05			6252 Aug 12 15:49	0° \mathfrak{M}	
	6251 Sep 05 10:22	0° \mathfrak{L}		evening rise	6252 Aug 15 04:37	5° \mathfrak{M} 27'12	
desc. node	6251 Sep 20 10:26	25° \mathfrak{L} 21'52			6252 Aug 28 02:17	0° \mathfrak{L}	
	6251 Sep 23 19:37	0° \mathfrak{M}		desc. node	6252 Sep 06 07:28	13° \mathfrak{L} 34'54	
evening max el	6251 Oct 02 10:07	9° \mathfrak{M} 45'41	27°13'51	evening max el	6252 Sep 13 11:09	21° \mathfrak{L} 35'55	26°26'15
retrograde	6251 Oct 16 06:44	16° \mathfrak{M} 58'25		retrograde	6252 Sep 27 09:38	28° \mathfrak{L} 43'08	
evening set	6251 Oct 23 09:06	14° \mathfrak{M} 40'53		evening set	6252 Oct 04 01:31	26° \mathfrak{L} 53'36	
min. Earth dist.	6251 Oct 27 00:48	11° \mathfrak{M} 54'50	0.61503 AU	min. Earth dist.	6252 Oct 08 00:40	24° \mathfrak{L} 18'45	0.59439 AU
inferior conj	6251 Oct 30 02:11	9° \mathfrak{M} 12'09	-3°50'19	inferior conj	6252 Oct 11 06:05	21° \mathfrak{L} 49'07	-4°45'41
minimum elong	6251 Oct 30 08:38	8° \mathfrak{M} 57'46	3°48'22	minimum elong	6252 Oct 11 12:17	21° \mathfrak{L} 37'04	4°44'27
morning rise	6251 Nov 06 10:14	4° \mathfrak{M} 15'22		morning rise	6252 Oct 19 01:14	17° \mathfrak{L} 14'18	
direct	6251 Nov 08 17:00	3° \mathfrak{M} 53'31		direct	6252 Oct 21 08:46	16° \mathfrak{L} 55'21	
asc. node	6251 Nov 11 15:58	4° \mathfrak{M} 31'36		asc. node	6252 Oct 28 13:00	20° \mathfrak{L} 08'47	
morning max el	6251 Nov 15 17:48	7° \mathfrak{M} 26'03	17°54'34	morning max el	6252 Oct 29 04:08	20° \mathfrak{L} 43'58	18°19'23
	6251 Nov 30 07:21	0° \mathfrak{X}			6252 Nov 05 04:25	0° \mathfrak{M}	
morning set	6251 Dec 01 11:41	2° \mathfrak{X} 08'55		morning set	6252 Nov 14 01:24	16° \mathfrak{M} 02'38	
					6252 Nov 21 10:30	0° \mathfrak{X}	
superior conj	6251 Dec 12 00:21	20° \mathfrak{X} 58'57	0°38'13	superior conj	6252 Nov 23 06:34	3° \mathfrak{X} 23'03	1°08'17
minimum elong	6251 Dec 12 03:27	21° \mathfrak{X} 12'20	0°37'49	minimum elong	6252 Nov 23 10:17	3° \mathfrak{X} 40'04	1°07'52
desc. node	6251 Dec 17 09:41	0° \mathfrak{Z} 08'33		max. Earth dist.	6252 Nov 30 20:06	16° \mathfrak{X} 46'31	1.40819 AU
	6251 Dec 17 07:38	0° \mathfrak{Z}		desc. node	6252 Dec 03 06:43	20° \mathfrak{X} 54'25	
max. Earth dist.	6251 Dec 19 11:02	3° \mathfrak{Z} 32'40	1.42752 AU	evening rise	6252 Dec 05 10:40	24° \mathfrak{X} 29'42	
evening rise	6251 Dec 25 22:55	13° \mathfrak{Z} 59'05			6252 Dec 08 20:18	0° \mathfrak{Z}	
	6252 Jan 05 10:36	0° \approx			6252 Dec 29 07:23	0° \approx	
evening max el	6252 Jan 27 02:40	28° \approx 45'08	22°02'36	evening max el	6253 Jan 08 18:10	12° \approx 25'35	23°22'06
	6252 Jan 28 09:25	0° \mathfrak{H}		retrograde	6253 Jan 19 06:31	18° \approx 38'35	
retrograde	6252 Feb 05 12:07	4° \mathfrak{H} 19'50		evening set	6253 Jan 24 06:18	16° \approx 34'42	
asc. node	6252 Feb 07 15:11	3° \mathfrak{H} 56'07		asc. node	6253 Jan 24 12:14	16° \approx 21'54	
evening set	6252 Feb 09 23:48	2° \mathfrak{H} 31'20		min. Earth dist.	6253 Jan 29 04:36	10° \approx 48'39	0.68167 AU
	6252 Feb 12 11:01	30° \mathfrak{R} \approx		inferior conj	6253 Jan 29 16:07	10° \approx 09'09	1°39'09
inferior conj	6252 Feb 15 07:54	26° \approx 11'24	2°19'54	minimum elong	6253 Jan 29 14:06	10° \approx 16'02	1°38'27
minimum elong	6252 Feb 15 05:34	26° \approx 19'33	2°19'12	morning rise	6253 Feb 03 21:50	4° \approx 02'59	
min. Earth dist.	6252 Feb 15 07:50	26° \approx 11'40	0.68189 AU	direct	6253 Feb 08 03:59	2° \approx 22'04	
morning rise	6252 Feb 20 11:10	20° \approx 00'27		morning max el	6253 Feb 16 14:20	7° \approx 13'49	21°05'05
direct	6252 Feb 25 07:24	17° \approx 56'43		desc. node	6253 Mar 01 06:02	23° \approx 12'48	
morning max el	6252 Mar 05 22:21	23° \approx 37'02	22°28'02		6253 Mar 05 22:47	0° \mathfrak{H}	
	6252 Mar 11 13:17	0° \mathfrak{H}		morning set	6253 Mar 19 04:49	20° \mathfrak{H} 08'19	
desc. node	6252 Mar 14 09:00	3° \mathfrak{H} 36'15			6253 Mar 25 09:18	0° \mathfrak{Y}	
	6252 Apr 01 14:17	0° \mathfrak{Y}		max. Earth dist.	6253 Mar 26 19:07	2° \mathfrak{Y} 17'31	1.42612 AU
morning set	6252 Apr 08 16:47	11° \mathfrak{Y} 19'05					
max. Earth dist.	6252 Apr 13 16:02	19° \mathfrak{Y} 35'04	1.40578 AU	superior conj	6253 Apr 02 23:09	14° \mathfrak{Y} 15'05	-2°07'20
	6252 Apr 19 16:08	0° \mathfrak{B}		minimum elong	6253 Apr 03 02:04	14° \mathfrak{Y} 27'32	2°07'15
superior conj	6252 Apr 21 11:24	3° \mathfrak{B} 13'24	-1°51'22		6253 Apr 11 23:12	0° \mathfrak{B}	
minimum elong	6252 Apr 21 16:37	3° \mathfrak{B} 36'51	1°50'54	evening rise	6253 Apr 14 12:47	4° \mathfrak{B} 36'03	
evening rise	6252 May 01 14:24	21° \mathfrak{B} 59'30		asc. node	6253 Apr 22 11:27	18° \mathfrak{B} 36'41	
asc. node	6252 May 05 14:24	29° \mathfrak{B} 27'36			6253 Apr 30 10:08	0° Π	
	6252 May 05 21:28	0° Π		evening max el	6253 May 01 04:36	0° Π 47'39	18°06'44
evening max el	6252 May 17 17:28	17° Π 48'37	18°21'22	retrograde	6253 May 07 20:01	4° Π 11'13	
retrograde	6252 May 25 01:27	21° Π 27'49		evening set	6253 May 10 10:43	3° Π 39'50	
evening set	6252 May 27 09:04	21° Π 06'51			6253 May 15 17:05	30° \mathfrak{R} \mathfrak{B}	
inferior conj	6252 Jun 03 17:07	16° Π 30'16	1°50'05	inferior conj	6253 May 17 01:55	28° \mathfrak{B} 42'34	2°47'22
minimum elong	6252 Jun 03 20:19	16° Π 23'38	1°49'04	minimum elong	6253 May 17 04:56	28° \mathfrak{B} 35'19	2°46'41
min. Earth dist.	6252 Jun 07 03:22	13° Π 41'09	0.58698 AU	min. Earth dist.	6253 May 20 06:56	25° \mathfrak{B} 38'50	0.60916 AU
desc. node	6252 Jun 10 08:15	11° Π 26'26		morning rise	6253 May 23 20:56	22° \mathfrak{B} 47'25	
morning rise	6252 Jun 11 04:24	10° Π 57'48		desc. node	6253 May 28 05:18	20° \mathfrak{B} 50'47	
				direct	6253 May 30 12:47	20° \mathfrak{B} 35'02	

morning max el	6253 Jun 13 19:14	28°♄32'21	27°49'53	morning rise	6254 May 06 07:30	5°♄19'33	
	6253 Jun 15 05:26	0°♄		direct	6254 May 13 03:10	2°♄43'07	
	6253 Jul 06 05:48	0°♄		desc. node	6254 May 15 02:20	2°♄54'58	
morning set	6253 Jul 16 12:56	19°♄41'10		morning max el	6254 May 27 02:42	10°♄44'26	27°48'50
asc. node	6253 Jul 19 10:43	25°♄47'46			6254 Jun 11 05:28	0°♄	
	6253 Jul 21 09:31	0°♄			6254 Jun 28 14:06	0°♄	
max. Earth dist.	6253 Jul 22 12:52	2°♄29'04	1.31983 AU	morning set	6254 Jun 30 11:23	3°♄44'41	
				max. Earth dist.	6254 Jul 05 18:03	14°♄41'13	1.32580 AU
superior conj	6253 Jul 23 20:16	5°♄21'22	0°44'13	asc. node	6254 Jul 06 07:45	15°♄54'21	
minimum elong	6253 Jul 23 18:26	5°♄11'22	0°43'49				
evening rise	6253 Jul 30 15:21	20°♄12'43		superior conj	6254 Jul 08 04:24	19°♄54'40	0°19'08
	6253 Aug 04 09:06	0°♄		minimum elong	6254 Jul 08 03:30	19°♄49'47	0°18'54
	6253 Aug 23 15:30	0°♄			6254 Jul 12 19:46	0°♄	
desc. node	6253 Aug 24 04:31	0°♄35'06		evening rise	6254 Jul 15 03:10	4°♄57'49	
evening max el	6253 Aug 26 04:17	2°♄35'50	25°08'54		6254 Jul 28 10:54	0°♄	
retrograde	6253 Sep 09 01:59	9°♄37'33		evening max el	6254 Aug 07 16:21	12°♄59'49	23°33'35
evening set	6253 Sep 14 18:23	8°♄23'56		desc. node	6254 Aug 11 01:32	15°♄54'24	
min. Earth dist.	6253 Sep 19 15:46	5°♄42'24	0.57441 AU	retrograde	6254 Aug 21 06:30	19°♄48'47	
inferior conj	6253 Sep 22 14:44	3°♄43'24	-5°20'01	evening set	6254 Aug 25 11:47	19°♄09'42	
minimum elong	6253 Sep 22 17:24	3°♄38'55	5°19'50	min. Earth dist.	6254 Sep 01 02:06	16°♄03'23	0.55808 AU
	6253 Sep 29 05:48	30°♄		inferior conj	6254 Sep 03 03:11	14°♄50'21	-5°16'11
morning rise	6253 Sep 30 18:41	29°♄31'42		minimum elong	6254 Sep 02 23:12	14°♄56'18	5°15'50
direct	6253 Oct 03 07:07	29°♄13'06		morning rise	6254 Sep 11 13:00	10°♄56'44	
	6253 Oct 07 03:57	0°♄		direct	6254 Sep 14 09:39	10°♄36'33	
morning max el	6253 Oct 12 05:53	3°♄27'37	19°05'29	morning max el	6254 Sep 24 20:10	15°♄28'21	20°13'45
asc. node	6253 Oct 15 10:03	6°♄58'31		asc. node	6254 Oct 02 07:05	24°♄45'45	
	6253 Oct 28 20:05	0°♄			6254 Oct 05 11:20	0°♄	
morning set	6253 Oct 29 00:34	0°♄22'09		morning set	6254 Oct 13 06:01	14°♄58'42	
superior conj	6253 Nov 06 07:10	16°♄40'12	1°28'23	superior conj	6254 Oct 20 21:13	0°♄36'22	1°39'28
minimum elong	6253 Nov 06 10:01	16°♄53'52	1°28'09	minimum elong	6254 Oct 20 22:38	0°♄43'27	1°39'25
max. Earth dist.	6253 Nov 13 01:45	29°♄18'17	1.38692 AU		6254 Oct 20 14:01	0°♄	
	6253 Nov 13 11:02	0°♄		max. Earth dist.	6254 Oct 26 07:58	11°♄18'31	1.36629 AU
evening rise	6253 Nov 16 20:53	6°♄00'28		evening rise	6254 Oct 30 04:01	18°♄27'54	
desc. node	6253 Nov 20 03:44	11°♄35'23			6254 Nov 05 18:10	0°♄	
	6253 Dec 01 20:47	0°♄		desc. node	6254 Nov 07 00:45	2°♄07'26	
evening max el	6253 Dec 22 07:24	26°♄09'07	24°40'53		6254 Nov 26 01:59	0°♄	
	6253 Dec 26 17:42	0°♄		evening max el	6254 Dec 04 20:02	9°♄53'38	25°51'54
retrograde	6254 Jan 02 21:08	2°♄53'59		retrograde	6254 Dec 17 07:06	17°♄00'23	
evening set	6254 Jan 08 09:59	0°♄35'34		evening set	6254 Dec 23 09:08	14°♄30'03	
	6254 Jan 09 01:49	30°♄		min. Earth dist.	6254 Dec 27 16:12	9°♄52'48	0.66998 AU
asc. node	6254 Jan 11 09:18	27°♄27'58		inferior conj	6254 Dec 29 02:03	8°♄06'16	-0°03'39
min. Earth dist.	6254 Jan 13 00:08	25°♄23'41	0.67764 AU	minimum elong	6254 Dec 29 02:08	8°♄05'59	0°03'34
inferior conj	6254 Jan 13 22:47	24°♄08'31	0°51'03	transit middle	6254 Dec 29 02:08	8°♄05'59	0°03'34
minimum elong	6254 Jan 13 21:35	24°♄12'29	0°50'36	transit begin	6254 Dec 28 23:23	8°♄14'41	
morning rise	6254 Jan 19 09:20	18°♄08'55		transit end	6254 Dec 29 04:54	7°♄57'17	
direct	6254 Jan 23 02:24	16°♄49'56		asc. node	6254 Dec 29 06:22	7°♄52'40	
morning max el	6254 Jan 30 14:09	21°♄02'59	19°53'58	morning rise	6255 Jan 03 19:39	2°♄15'12	
	6254 Feb 06 23:15	0°♄		direct	6255 Jan 07 01:11	1°♄15'25	
greatest brilliancy	6254 Feb 12 21:06	8°♄25'08	-0.6m	morning max el	6255 Jan 13 21:40	5°♄01'43	18°57'39
desc. node	6254 Feb 16 03:03	13°♄14'18			6255 Jan 31 17:07	0°♄	
morning set	6254 Feb 26 01:39	28°♄21'56		desc. node	6255 Feb 03 00:02	3°♄33'31	
	6254 Feb 27 03:04	0°♄		morning set	6255 Feb 05 07:43	7°♄10'27	
max. Earth dist.	6254 Mar 09 05:47	15°♄51'09	1.44193 AU		6255 Feb 19 22:11	0°♄	
				max. Earth dist.	6255 Feb 19 21:45	29°♄58'19	1.45149 AU
superior conj	6254 Mar 14 09:42	24°♄09'31	-2°08'24	superior conj	6255 Feb 21 21:46	3°♄07'13	-1°49'57
minimum elong	6254 Mar 14 06:53	23°♄58'02	2°08'20	minimum elong	6255 Feb 21 13:06	2°♄33'02	1°49'15
	6254 Mar 17 23:18	0°♄		evening rise	6255 Mar 08 21:48	27°♄08'35	
evening rise	6254 Mar 27 16:35	16°♄21'30			6255 Mar 10 15:54	0°♄	
	6254 Apr 04 17:37	0°♄		asc. node	6255 Mar 27 05:34	25°♄18'13	
asc. node	6254 Apr 09 08:31	7°♄16'51		evening max el	6255 Mar 29 05:41	27°♄31'50	18°34'15
evening max el	6254 Apr 14 17:39	14°♄04'41	18°11'15		6255 Apr 01 05:53	0°♄	
retrograde	6254 Apr 21 03:19	17°♄27'38		retrograde	6255 Apr 04 18:47	1°♄07'07	
evening set	6254 Apr 24 00:34	16°♄44'16		evening set	6255 Apr 07 22:41	0°♄10'47	
inferior conj	6254 Apr 30 03:01	11°♄27'46	3°18'32		6255 Apr 08 05:44	30°♄	
minimum elong	6254 Apr 30 04:42	11°♄23'11	3°18'19	inferior conj	6255 Apr 13 16:12	24°♄36'47	3°29'18
min. Earth dist.	6254 May 02 19:34	8°♄32'55	0.63056 AU				

minimum elong	6255 Apr 13 16:22	24° Υ 36'17	3°29'17	retrograde	6256 Mar 18 14:55	15° Υ 03'24	
min. Earth dist.	6255 Apr 15 17:34	22° Υ 08'56	0.64916 AU	evening set	6256 Mar 22 02:10	13° Υ 53'13	
morning rise	6255 Apr 19 09:21	18° Υ 22'36		inferior conj	6256 Mar 27 14:00	8° Υ 03'23	3°24'23
direct	6255 Apr 26 01:33	15° Υ 34'25		minimum elong	6256 Mar 27 12:54	8° Υ 06'55	3°24'17
desc. node	6255 May 01 23:21	17° Υ 22'03		min. Earth dist.	6256 Mar 29 00:01	6° Υ 13'39	0.66387 AU
morning max el	6255 May 09 12:40	23° Υ 28'58	27°12'57	morning rise	6256 Apr 01 23:16	1° Υ 47'34	
	6255 May 15 07:58	0° B			6256 Apr 04 11:15	30° R H	
	6255 Jun 04 13:26	0° II		direct	6256 Apr 08 06:29	29° H 00'38	
morning set	6255 Jun 14 00:43	17° II 18'18			6256 Apr 12 09:34	0° Υ	
max. Earth dist.	6255 Jun 18 14:23	26° II 24'51	1.33639 AU	desc. node	6256 Apr 17 20:23	3° Υ 39'46	
	6255 Jun 20 08:08	0° E		morning max el	6256 Apr 20 22:32	6° Υ 33'44	26°09'31
					6256 May 09 01:25	0° B	
superior conj	6255 Jun 22 07:43	4° E 09'14	-0°09'02		6256 May 26 22:48	0° II	
minimum elong	6255 Jun 22 08:12	4° E 11'45	0°08'59	morning set	6256 May 27 01:16	0° II 11'28	
behind sun begin	6255 Jun 22 03:33	3° E 47'16		max. Earth dist.	6256 May 30 23:29	7° II 39'14	1.35171 AU
behind sun end	6255 Jun 22 12:50	4° E 36'15					
asc. node	6255 Jun 23 04:47	6° E 00'37		superior conj	6256 Jun 05 03:48	17° II 58'18	-0°39'09
evening rise	6255 Jun 29 14:05	19° E 36'01		minimum elong	6256 Jun 05 06:00	18° II 09'32	0°38'46
	6255 Jul 04 16:44	0° Ω		asc. node	6256 Jun 09 01:48	26° II 02'39	
evening max el	6255 Jul 20 07:21	23° Ω 20'33	21°56'38		6256 Jun 10 23:29	0° E	
desc. node	6255 Jul 28 22:33	28° Ω 59'26		evening rise	6256 Jun 12 22:07	4° E 01'24	
retrograde	6255 Aug 01 23:32	29° Ω 37'49			6256 Jun 27 16:57	0° Ω	
evening set	6255 Aug 04 18:21	29° Ω 20'29		evening max el	6256 Jul 01 08:52	4° Ω 09'44	20°31'25
min. Earth dist.	6255 Aug 13 11:44	25° Ω 35'29	0.54873 AU	retrograde	6256 Jul 12 11:47	9° Ω 37'41	
inferior conj	6255 Aug 14 00:09	25° Ω 18'04	-4°20'19	evening set	6256 Jul 14 12:03	9° Ω 27'44	
minimum elong	6255 Aug 13 15:15	25° Ω 30'33	4°18'11	desc. node	6256 Jul 14 19:36	9° Ω 24'26	
morning rise	6255 Aug 22 13:37	21° Ω 28'06		inferior conj	6256 Jul 23 17:30	5° Ω 30'43	-2°38'18
direct	6255 Aug 25 21:23	21° Ω 03'43		minimum elong	6256 Jul 23 10:16	5° Ω 41'09	2°35'47
morning max el	6255 Sep 06 22:08	26° Ω 42'24	21°42'27	min. Earth dist.	6256 Jul 24 22:35	4° Ω 48'42	0.54869 AU
	6255 Sep 10 01:54	0° H		morning rise	6256 Aug 01 07:45	1° Ω 24'39	
asc. node	6255 Sep 19 04:06	13° H 17'18		direct	6256 Aug 05 07:03	0° Ω 50'42	
morning set	6255 Sep 27 15:24	29° H 45'44		morning max el	6256 Aug 18 14:31	7° Ω 17'04	23°24'48
	6255 Sep 27 18:08	0° L			6256 Sep 03 18:44	0° H	
				asc. node	6256 Sep 05 01:06	2° H 21'58	
superior conj	6255 Oct 04 20:43	14° L 59'46	1°42'45	morning set	6256 Sep 11 02:45	14° H 37'04	
minimum elong	6255 Oct 04 20:41	14° L 59'37	1°42'46				
max. Earth dist.	6255 Oct 08 20:09	23° L 10'50	1.34838 AU	superior conj	6256 Sep 18 02:30	29° H 40'13	1°39'21
	6255 Oct 12 06:54	0° M		minimum elong	6256 Sep 18 01:19	29° H 33'49	1°39'18
evening rise	6255 Oct 13 04:12	1° M 42'26			6256 Sep 18 06:11	0° L	
desc. node	6255 Oct 24 21:45	22° M 25'33		max. Earth dist.	6256 Sep 20 17:08	5° L 14'31	1.33442 AU
	6255 Oct 29 17:49	0° J		evening rise	6256 Sep 25 17:17	15° L 32'22	
evening max el	6255 Nov 17 08:58	23° J 34'17	26°47'48		6256 Oct 03 09:18	0° M	
	6255 Nov 26 09:36	0° Z		desc. node	6256 Oct 10 18:46	12° M 22'29	
retrograde	6255 Nov 30 11:43	0° Z 51'32			6256 Oct 23 10:18	0° J	
	6255 Dec 04 07:09	30° R J		evening max el	6256 Oct 29 21:30	7° J 00'09	27°21'18
evening set	6255 Dec 07 01:49	28° J 14'03		retrograde	6256 Nov 12 10:07	14° J 18'30	
min. Earth dist.	6255 Dec 11 02:32	24° J 11'40	0.65878 AU	evening set	6256 Nov 19 09:37	11° J 40'56	
inferior conj	6255 Dec 12 23:54	21° J 58'59	-1°03'57	min. Earth dist.	6256 Nov 23 04:50	8° J 12'26	0.64417 AU
minimum elong	6255 Dec 13 01:43	21° J 53'40	1°03'07	inferior conj	6256 Nov 25 13:56	5° J 40'15	-2°08'17
asc. node	6255 Dec 16 03:23	18° J 32'51		minimum elong	6256 Nov 25 17:46	5° J 30'02	2°06'44
morning rise	6255 Dec 19 02:33	16° J 18'55		morning rise	6256 Dec 02 03:18	0° J 14'15	
direct	6255 Dec 21 22:34	15° J 34'32		asc. node	6256 Dec 02 00:24	0° J 17'26	
morning max el	6255 Dec 28 11:01	19° J 05'09	18°17'37		6256 Dec 02 18:28	30° R M	
	6256 Jan 05 18:31	0° Z		direct	6256 Dec 04 16:07	29° M 41'22	
morning set	6256 Jan 16 16:57	17° Z 23'19			6256 Dec 06 13:44	0° J	
desc. node	6256 Jan 20 21:03	24° Z 05'46		morning max el	6256 Dec 11 03:33	3° J 05'48	17°54'34
	6256 Jan 24 13:46	0° \approx		morning set	6256 Dec 28 07:12	29° J 01'54	
					6256 Dec 28 20:59	0° Z	
superior conj	6256 Feb 01 01:26	11° \approx 49'34	-1°13'18	desc. node	6257 Jan 06 18:02	14° Z 46'18	
minimum elong	6256 Jan 31 16:55	11° \approx 16'05	1°12'16				
max. Earth dist.	6256 Feb 02 16:37	14° \approx 23'15	1.45387 AU	superior conj	6257 Jan 10 16:33	21° Z 09'39	-0°27'35
	6256 Feb 12 16:16	0° H		minimum elong	6257 Jan 10 13:18	20° Z 56'36	0°27'05
evening rise	6256 Feb 17 04:06	7° H 01'41		max. Earth dist.	6257 Jan 15 11:58	28° Z 49'55	1.44884 AU
greatest brilliancy	6256 Feb 28 08:00	24° H 24'39	-0.8m		6257 Jan 16 05:43	0° \approx	
	6256 Mar 03 01:13	0° Υ		evening rise	6257 Jan 26 18:04	16° \approx 21'09	
evening max el	6256 Mar 11 14:30	11° Υ 04'31	19°14'35		6257 Feb 04 17:11	0° H	
asc. node	6256 Mar 13 02:36	12° Υ 29'31		greatest brilliancy	6257 Feb 10 12:29	8° H 38'00	-0.6m

evening max el	6257 Feb 22 18:29	24° K 39'35	20°10'29	asc. node	6258 Feb 14 20:40	13° K 25'53	
asc. node	6257 Feb 27 23:37	28° K 36'59		evening set	6258 Feb 18 16:35	11° K 46'46	
retrograde	6257 Mar 02 13:03	29° K 11'21		inferior conj	6258 Feb 24 00:25	5° K 31'43	2°39'42
evening set	6257 Mar 06 08:45	27° K 46'34		minimum elong	6258 Feb 23 22:05	5° K 39'47	2°39'06
inferior conj	6257 Mar 11 17:31	21° K 42'51	3°07'07	min. Earth dist.	6258 Feb 24 07:09	5° K 08'21	0.68029 AU
minimum elong	6257 Mar 11 15:34	21° K 49'25	3°06'46		6258 Feb 28 10:06	30° R \approx	
min. Earth dist.	6257 Mar 12 13:13	20° K 36'09	0.67424 AU	morning rise	6258 Mar 01 03:25	29° \approx 18'59	
morning rise	6257 Mar 16 22:11	15° K 27'49		direct	6258 Mar 06 07:54	27° \approx 02'57	
direct	6257 Mar 22 16:53	12° K 52'52			6258 Mar 13 03:14	0° K	
morning max el	6257 Apr 03 07:25	19° K 49'31	24°48'11	morning max el	6258 Mar 16 16:36	3° K 12'17	23°19'03
desc. node	6257 Apr 04 17:24	21° K 18'11		desc. node	6258 Mar 22 14:25	9° K 54'29	
	6257 Apr 11 23:44	0° Y			6258 Apr 06 03:03	0° Y	
	6257 May 02 05:03	0° B		morning set	6258 Apr 20 15:38	23° Y 01'02	
morning set	6257 May 09 08:11	12° B 10'54			6258 Apr 24 17:37	0° B	
max. Earth dist.	6257 May 12 22:56	18° B 41'59	1.37117 AU	max. Earth dist.	6258 Apr 24 18:40	0° B 04'35	1.39309 AU
	6257 May 18 22:25	0° II					
				superior conj	6258 May 02 09:09	13° B 45'22	-1°37'42
superior conj	6257 May 19 13:35	1° II 13'52	-1°09'35	minimum elong	6258 May 02 14:23	14° B 09'36	1°37'05
minimum elong	6257 May 19 17:35	1° II 33'23	1°08'57		6258 May 10 21:49	0° II	
asc. node	6257 May 26 22:50	15° II 56'27		evening rise	6258 May 11 19:41	1° II 45'31	
evening rise	6257 May 28 00:57	18° II 07'23		asc. node	6258 May 13 19:52	5° II 36'56	
	6257 Jun 03 04:12	0° E		evening max el	6258 May 28 00:14	27° II 52'38	18°38'38
evening max el	6257 Jun 13 23:10	15° E 41'17	19°24'49		6258 May 30 13:43	0° E	
retrograde	6257 Jun 23 08:41	20° E 17'56		retrograde	6258 Jun 04 23:16	1° E 48'44	
evening set	6257 Jun 25 06:41	20° E 07'16		evening set	6258 Jun 07 02:37	1° E 32'39	
desc. node	6257 Jul 01 16:38	17° E 24'05			6258 Jun 10 17:54	30° R II	
inferior conj	6257 Jul 03 21:42	16° E 00'21	-0°39'58	inferior conj	6258 Jun 14 21:48	27° II 07'31	1°03'30
minimum elong	6257 Jul 03 19:55	16° E 03'14	0°39'20	minimum elong	6258 Jun 15 00:02	27° II 03'15	1°02'40
min. Earth dist.	6257 Jul 06 11:51	14° E 20'01	0.55808 AU	min. Earth dist.	6258 Jun 18 05:13	24° II 38'03	0.57501 AU
morning rise	6257 Jul 12 06:29	11° E 22'01		desc. node	6258 Jun 18 13:41	24° II 22'56	
direct	6257 Jul 17 01:55	10° E 29'43		morning rise	6258 Jun 22 18:05	21° II 52'36	
morning max el	6257 Jul 31 03:40	17° E 35'34	25°07'56	direct	6258 Jun 28 10:45	20° II 31'45	
	6257 Aug 10 08:58	0° Q		morning max el	6258 Jul 12 19:51	28° II 06'13	26°35'30
asc. node	6257 Aug 22 22:07	21° Q 51'22			6258 Jul 14 16:38	0° E	
morning set	6257 Aug 26 14:25	29° Q 28'09			6258 Aug 03 22:15	0° Q	
	6257 Aug 26 20:25	0° P		asc. node	6258 Aug 09 19:09	11° Q 37'42	
				morning set	6258 Aug 11 00:47	14° Q 13'04	
superior conj	6257 Sep 02 12:13	14° P 30'35	1°30'11	superior conj	6258 Aug 17 23:48	29° Q 23'32	1°15'53
minimum elong	6257 Sep 02 10:15	14° P 19'52	1°29'59	minimum elong	6258 Aug 17 21:31	29° Q 10'57	1°15'32
max. Earth dist.	6257 Sep 03 22:02	17° P 35'32	1.32479 AU		6258 Aug 18 06:23	0° P	
evening rise	6257 Sep 09 15:50	29° P 48'15		max. Earth dist.	6258 Aug 18 07:41	0° P 07'12	1.31942 AU
	6257 Sep 09 18:07	0° A		evening rise	6258 Aug 24 20:54	14° P 20'51	
	6257 Sep 26 10:52	0° M			6258 Sep 01 18:37	0° A	
desc. node	6257 Sep 27 15:49	1° M 49'26		desc. node	6258 Sep 14 12:52	20° A 33'53	
evening max el	6257 Oct 12 07:32	19° M 57'55	27°25'52		6258 Sep 22 06:35	0° M	
retrograde	6257 Oct 26 01:38	27° M 12'34		evening max el	6258 Sep 24 12:19	2° M 14'18	26°57'31
evening set	6257 Nov 02 05:25	24° M 44'20		retrograde	6258 Oct 08 09:38	9° M 24'41	
min. Earth dist.	6257 Nov 05 21:08	21° M 45'30	0.62647 AU	evening set	6258 Oct 15 09:15	7° M 17'21	
inferior conj	6257 Nov 08 17:21	19° M 03'06	-3°13'52	min. Earth dist.	6258 Oct 19 02:35	4° M 38'24	0.60638 AU
minimum elong	6257 Nov 08 23:04	18° M 49'25	3°11'52	inferior conj	6258 Oct 22 06:48	1° M 58'57	-4°15'29
morning rise	6257 Nov 15 18:31	13° M 54'41		minimum elong	6258 Oct 22 13:28	1° M 44'57	4°13'43
direct	6257 Nov 18 02:44	13° M 29'40			6258 Oct 24 17:42	30° R A	
asc. node	6257 Nov 18 21:25	13° M 32'31		morning rise	6258 Oct 29 19:49	27° A 11'32	
morning max el	6257 Nov 24 20:17	16° M 56'27	17°49'13	direct	6258 Nov 01 02:31	26° A 51'14	
	6257 Dec 04 02:46	0° X		asc. node	6258 Nov 05 18:28	28° A 20'30	
morning set	6257 Dec 10 20:42	11° X 47'06			6258 Nov 07 21:42	0° M	
	6257 Dec 21 07:54	0° Z		morning max el	6258 Nov 08 10:01	0° M 29'04	18°02'40
				morning set	6258 Nov 24 03:07	25° M 19'54	
superior conj	6257 Dec 22 07:57	1° Z 41'28	0°16'24		6258 Nov 26 15:25	0° X	
minimum elong	6257 Dec 22 09:32	1° Z 48'08	0°16'13	superior conj	6258 Dec 04 01:12	13° X 28'13	0°52'13
desc. node	6257 Dec 24 15:03	5° Z 31'30		minimum elong	6258 Dec 04 04:49	13° X 44'15	0°51'45
max. Earth dist.	6257 Dec 29 04:45	13° Z 00'09	1.43696 AU	max. Earth dist.	6258 Dec 11 16:35	26° X 36'56	1.41967 AU
evening rise	6258 Jan 06 05:35	25° Z 42'00		desc. node	6258 Dec 11 12:04	26° X 18'05	
	6258 Jan 09 00:36	0° \approx			6258 Dec 13 17:40	0° Z	
	6258 Jan 29 17:58	0° K		evening rise	6258 Dec 17 05:35	5° Z 39'59	
evening max el	6258 Feb 05 16:55	8° K 15'36	21°19'00				
retrograde	6258 Feb 14 11:05	13° K 26'44					

























































































































	6259 Jan 02 07:01	0°♊		retrograde	6260 Jan 13 00:25	12°♊03'15	
evening max el	6259 Jan 19 10:24	21°♊53'39	22°36'03	evening set	6260 Jan 18 05:33	9°♊53'06	
retrograde	6259 Jan 29 07:22	27°♊45'40		asc. node	6260 Jan 19 14:47	8°♊33'43	
asc. node	6259 Feb 01 17:43	26°♊44'54		min. Earth dist.	6260 Jan 23 00:14	4°♊21'17	0.68035 AU
evening set	6259 Feb 03 00:04	25°♊50'24		inferior conj	6260 Jan 23 16:28	3°♊26'08	1°19'35
inferior conj	6259 Feb 08 08:41	19°♊27'20	2°03'33	minimum elong	6260 Jan 23 14:45	3°♊31'58	1°18'59
minimum elong	6259 Feb 08 06:26	19°♊35'10	2°02'50		6260 Jan 26 08:04	30°♊	
min. Earth dist.	6259 Feb 08 03:36	19°♊44'59	0.68223 AU	morning rise	6260 Jan 28 23:57	27°♊22'17	
morning rise	6259 Feb 13 12:42	13°♊18'14		direct	6260 Feb 02 00:18	25°♊50'58	
direct	6259 Feb 18 02:44	11°♊24'26			6260 Feb 09 14:00	0°♊	
morning max el	6259 Feb 27 05:12	16°♊43'37	21°51'37	morning max el	6260 Feb 10 00:20	0°♊25'22	20°33'04
desc. node	6259 Mar 09 11:25	29°♊12'35		desc. node	6260 Feb 24 08:24	19°♊00'25	
	6259 Mar 10 01:19	0°♋			6260 Mar 02 18:08	0°♋	
	6259 Mar 30 04:52	0°♋		morning set	6260 Mar 09 22:08	10°♋58'30	
morning set	6259 Mar 31 19:10	2°♋32'40		max. Earth dist.	6260 Mar 18 23:16	25°♋16'52	1.43351 AU
max. Earth dist.	6259 Apr 06 17:33	12°♋13'59	1.41480 AU		6260 Mar 21 20:58	0°♋	
superior conj	6259 Apr 14 09:54	25°♋22'49	-1°59'34	superior conj	6260 Mar 25 11:06	5°♋55'42	-2°09'58
minimum elong	6259 Apr 14 14:34	25°♋43'19	1°59'18	minimum elong	6260 Mar 25 11:56	5°♋59'12	2°09'58
	6259 Apr 17 00:24	0°♌		evening rise	6260 Apr 06 17:44	27°♋02'42	
evening rise	6259 Apr 25 02:46	14°♌47'29			6260 Apr 08 10:02	0°♌	
asc. node	6259 Apr 30 16:56	24°♌59'22		asc. node	6260 Apr 16 14:00	13°♌56'58	
	6259 May 03 14:40	0°♍		evening max el	6260 Apr 23 21:05	23°♌44'34	18°06'24
evening max el	6259 May 11 08:44	10°♍36'57	18°12'42	retrograde	6260 Apr 30 08:50	27°♌05'58	
retrograde	6259 May 18 08:27	14°♍07'50		evening set	6260 May 03 02:21	26°♌29'43	
evening set	6259 May 20 19:00	13°♍42'51		inferior conj	6260 May 09 11:39	21°♌24'23	3°03'23
inferior conj	6259 May 27 19:26	8°♍57'28	2°17'53	minimum elong	6260 May 09 14:10	21°♌17'59	3°02'55
minimum elong	6259 May 27 22:46	8°♍50'04	2°16'57	min. Earth dist.	6260 May 12 12:06	18°♌21'31	0.61854 AU
min. Earth dist.	6259 May 31 04:44	5°♍58'47	0.59631 AU	morning rise	6260 May 16 00:09	15°♌22'41	
morning rise	6259 Jun 03 23:40	3°♍13'38		desc. node	6260 May 22 07:44	12°♌58'58	
desc. node	6259 Jun 05 10:43	2°♍27'30		direct	6260 May 22 18:49	12°♌58'19	
direct	6259 Jun 10 09:20	1°♍18'58		morning max el	6260 Jun 05 22:45	20°♌58'53	27°53'56
morning max el	6259 Jun 24 18:17	9°♍11'24	27°33'14		6260 Jun 13 17:56	0°♍	
	6259 Jul 10 16:59	0°♎			6260 Jul 02 17:44	0°♎	
morning set	6259 Jul 26 08:06	28°♎46'35		morning set	6260 Jul 09 10:26	13°♎02'58	
	6259 Jul 26 22:07	0°♏		asc. node	6260 Jul 13 13:15	21°♎40'17	
asc. node	6259 Jul 27 16:12	1°♏35'32		max. Earth dist.	6260 Jul 15 02:44	25°♎02'09	1.32175 AU
superior conj	6259 Aug 02 11:27	14°♏13'22	0°56'59	superior conj	6260 Jul 16 21:25	28°♎54'38	0°34'01
minimum elong	6259 Aug 02 09:20	14°♏01'38	0°56'34	minimum elong	6260 Jul 16 19:56	28°♎46'30	0°33'40
max. Earth dist.	6259 Aug 01 18:31	12°♏39'49	1.31837 AU		6260 Jul 17 09:22	0°♏	
evening rise	6259 Aug 09 06:09	29°♏03'11		evening rise	6260 Jul 23 17:35	13°♏49'13	
	6259 Aug 09 16:51	0°♐			6260 Jul 31 19:24	0°♐	
	6259 Aug 26 05:13	0°♑		evening max el	6260 Aug 18 00:13	24°♐23'59	24°29'46
desc. node	6259 Sep 01 09:54	8°♑18'34		desc. node	6260 Aug 18 06:57	24°♐40'00	
evening max el	6259 Sep 06 09:45	13°♑41'30	25°56'26		6260 Aug 25 20:34	0°♑	
retrograde	6259 Sep 20 08:43	20°♑47'34		retrograde	6260 Aug 31 20:21	1°♑21'48	
evening set	6259 Sep 26 16:09	19°♑12'35		evening set	6260 Sep 05 22:29	0°♑24'06	
min. Earth dist.	6259 Sep 30 22:23	16°♑37'12	0.58557 AU		6260 Sep 06 22:39	30°♑	
inferior conj	6259 Oct 04 02:47	14°♑18'09	-5°03'50	min. Earth dist.	6260 Sep 11 11:20	27°♑33'44	0.56673 AU
minimum elong	6259 Oct 04 07:57	14°♑08'41	5°03'04	inferior conj	6260 Sep 14 02:48	25°♑52'58	-5°24'10
morning rise	6259 Oct 12 02:05	9°♑53'34		minimum elong	6260 Sep 14 02:51	25°♑52'53	5°24'11
direct	6259 Oct 14 11:01	9°♑35'12		morning rise	6260 Sep 22 09:30	21°♑49'41	
morning max el	6259 Oct 22 17:11	13°♑33'42	18°36'22	direct	6260 Sep 25 00:56	21°♑30'42	
asc. node	6259 Oct 23 15:31	14°♑30'06		morning max el	6260 Oct 04 14:21	26°♑00'18	19°31'49
	6259 Nov 02 22:12	0°♒			6260 Oct 08 04:39	0°♒	
morning set	6259 Nov 07 21:17	9°♒25'24		asc. node	6260 Oct 09 12:33	1°♒46'12	
				morning set	6260 Oct 21 23:30	23°♒53'26	
					6260 Oct 25 00:13	0°♒	
superior conj	6259 Nov 16 15:54	26°♒16'40	1°17'59				
minimum elong	6259 Nov 16 19:22	26°♒32'53	1°17'38				
	6259 Nov 18 16:03	0°♓		superior conj	6260 Oct 29 22:48	9°♒52'08	1°34'06
max. Earth dist.	6259 Nov 23 23:22	9°♓30'27	1.39916 AU	minimum elong	6260 Oct 30 01:03	10°♒03'14	1°33'57
evening rise	6259 Nov 28 02:48	16°♓35'52		max. Earth dist.	6260 Nov 05 04:31	21°♒46'21	1.37794 AU
desc. node	6259 Nov 28 09:05	17°♓02'10		evening rise	6260 Nov 08 22:25	28°♒32'32	
	6259 Dec 06 10:07	0°♑			6260 Nov 09 18:18	0°♓	
	6259 Dec 27 22:39	0°♑		desc. node	6260 Nov 14 06:07	7°♓40'16	
evening max el	6260 Jan 02 00:35	5°♑34'55	23°56'09		6260 Nov 28 19:22	0°♑	

evening max el	6260 Dec 14 13:35	19°♄20'07	25°12'30	desc. node	6261 Nov 01 03:09	28°♍07'04	
retrograde	6260 Dec 26 13:06	26°♄15'20			6261 Nov 02 06:52	0°♈	
evening set	6261 Jan 01 07:30	23°♄51'47			6261 Nov 24 02:49	0°♄	
asc. node	6261 Jan 05 11:49	19°♄16'18		evening max el	6261 Nov 27 02:31	3°♄04'21	26°17'58
min. Earth dist.	6261 Jan 05 18:39	18°♄54'18	0.67486 AU	retrograde	6261 Dec 09 20:39	10°♄15'57	
inferior conj	6261 Jan 06 21:56	17°♄25'31	0°28'37	evening set	6261 Dec 16 04:08	7°♄41'58	
minimum elong	6261 Jan 06 21:14	17°♄27'49	0°28'23	min. Earth dist.	6261 Dec 20 08:29	3°♄19'39	0.66571 AU
morning rise	6261 Jan 12 11:13	11°♄29'00		inferior conj	6261 Dec 21 23:09	1°♄21'32	-0°28'34
direct	6261 Jan 15 23:13	10°♄18'26		minimum elong	6261 Dec 21 23:56	1°♄19'10	0°28'12
morning max el	6261 Jan 23 03:26	14°♄18'33	19°27'57	asc. node	6261 Dec 23 08:49	29°♈40'22	
	6261 Feb 04 03:09	0°♈			6261 Dec 23 02:09	30°♈♈	
greatest brilliancy	6261 Feb 05 04:19	1°♈33'20	-0.7m	morning rise	6261 Dec 27 20:22	25°♈34'48	
desc. node	6261 Feb 10 05:24	9°♈10'05		direct	6261 Dec 30 21:43	24°♈41'53	
morning set	6261 Feb 16 19:43	19°♈17'37		morning max el	6262 Jan 06 13:42	28°♈19'51	18°38'35
	6261 Feb 23 17:16	0°♈			6262 Jan 08 03:13	0°♄	
max. Earth dist.	6261 Mar 01 12:24	9°♈06'19	1.44693 AU	morning set	6262 Jan 27 12:18	28°♄39'55	
				desc. node	6262 Jan 28 02:25	29°♄35'33	
superior conj	6261 Mar 05 11:09	15°♈23'02	-2°03'05		6262 Jan 28 08:36	0°♈	
minimum elong	6261 Mar 05 05:27	15°♈00'15	2°02'47	superior conj	6262 Feb 12 17:18	24°♈07'39	-1°36'13
	6261 Mar 14 11:08	0°♈		minimum elong	6262 Feb 12 07:46	23°♈30'17	1°35'17
evening rise	6261 Mar 19 12:10	8°♈22'56		max. Earth dist.	6262 Feb 12 06:38	23°♈25'48	1.45347 AU
	6261 Apr 01 19:07	0°♈			6262 Feb 16 11:05	0°♈	
asc. node	6261 Apr 03 11:02	2°♈21'35		evening rise	6262 Feb 28 07:25	18°♈46'23	
evening max el	6261 Apr 07 10:03	7°♈06'44	18°18'53		6262 Mar 07 08:03	0°♈	
retrograde	6261 Apr 13 19:57	10°♈33'01		greatest brilliancy	6262 Mar 08 09:07	1°♈39'26	-0.8m
evening set	6261 Apr 16 20:07	9°♈44'06		asc. node	6262 Mar 21 08:03	20°♈03'24	
inferior conj	6261 Apr 22 18:19	4°♈20'01	3°25'16	evening max el	6262 Mar 21 20:59	20°♈37'04	18°49'21
minimum elong	6261 Apr 22 19:21	4°♈17'05	3°25'10	retrograde	6262 Mar 28 13:52	24°♈20'59	
min. Earth dist.	6261 Apr 25 04:33	1°♈34'59	0.63897 AU	evening set	6262 Mar 31 20:52	23°♈18'40	
	6261 Apr 26 16:35	30°♈♈		inferior conj	6262 Apr 06 11:34	17°♈37'28	3°28'55
morning rise	6261 Apr 28 17:36	28°♈08'54		minimum elong	6262 Apr 06 11:09	17°♈38'44	3°28'53
direct	6261 May 05 12:45	25°♈25'51		min. Earth dist.	6262 Apr 08 06:12	15°♈25'13	0.65594 AU
desc. node	6261 May 09 04:45	26°♈07'17		morning rise	6262 Apr 12 00:58	11°♈22'18	
	6261 May 15 13:51	0°♈		direct	6262 Apr 18 13:49	8°♈33'31	
morning max el	6261 May 19 07:20	3°♈25'00	27°37'26	desc. node	6262 Apr 26 01:44	11°♈25'47	
	6261 Jun 08 04:46	0°♈		morning max el	6262 May 01 17:38	16°♈20'11	26°48'53
morning set	6261 Jun 23 05:20	26°♈54'21			6262 May 13 00:46	0°♈	
	6261 Jun 24 18:26	0°♈			6262 Jun 01 00:55	0°♈	
max. Earth dist.	6261 Jun 28 04:32	7°♈02'51	1.32973 AU	morning set	6262 Jun 06 13:43	10°♈12'16	
asc. node	6261 Jun 30 10:15	11°♈47'04		max. Earth dist.	6262 Jun 10 20:35	18°♈35'08	1.34240 AU
superior conj	6261 Jul 01 03:45	13°♈20'38	0°07'32	superior conj	6262 Jun 15 04:18	27°♈25'18	-0°21'39
minimum elong	6261 Jul 01 03:23	13°♈18'38	0°07'24	minimum elong	6262 Jun 15 05:29	27°♈31'25	0°21'26
behind sun begin	6261 Jun 30 22:35	12°♈52'56			6262 Jun 16 09:55	0°♈	
behind sun end	6261 Jul 01 08:10	13°♈44'21		asc. node	6262 Jun 17 07:17	1°♈52'12	
evening rise	6261 Jul 08 05:13	28°♈32'07		evening rise	6262 Jun 22 15:12	13°♈06'02	
	6261 Jul 08 21:51	0°♈			6262 Jul 01 07:21	0°♈	
	6261 Jul 26 06:54	0°♈		evening max el	6262 Jul 12 07:15	15°♈11'35	21°18'17
evening max el	6261 Jul 30 12:34	4°♈42'22	22°51'39	desc. node	6262 Jul 23 01:00	21°♈05'22	
desc. node	6261 Aug 05 04:00	9°♈06'26		retrograde	6262 Jul 24 08:47	21°♈09'35	
retrograde	6261 Aug 12 19:03	11°♈19'44		evening set	6262 Jul 26 17:33	20°♈56'39	
evening set	6261 Aug 16 08:45	10°♈51'51		inferior conj	6262 Aug 05 01:12	16°♈57'59	-3°41'17
min. Earth dist.	6261 Aug 23 20:49	7°♈30'58	0.55310 AU	minimum elong	6262 Aug 04 16:11	17°♈10'36	3°38'38
inferior conj	6261 Aug 25 07:38	6°♈41'02	-4°59'08	min. Earth dist.	6262 Aug 05 06:24	16°♈50'40	0.54756 AU
minimum elong	6261 Aug 25 00:56	6°♈50'39	4°58'06	morning rise	6262 Aug 13 15:37	13°♈04'04	
morning rise	6261 Sep 02 19:12	2°♈51'11		direct	6262 Aug 17 05:21	12°♈36'35	
direct	6261 Sep 05 20:32	2°♈29'26		morning max el	6262 Aug 29 20:26	18°♈35'16	22°25'01
morning max el	6261 Sep 16 23:09	7°♈40'12	20°49'14		6262 Sep 08 02:26	0°♈	
asc. node	6261 Sep 26 09:33	19°♈53'26		asc. node	6262 Sep 13 06:34	8°♈40'00	
	6261 Oct 02 00:24	0°♈		morning set	6262 Sep 20 17:19	23°♈24'22	
morning set	6261 Oct 06 06:54	8°♈35'03			6262 Sep 23 19:49	0°♈	
superior conj	6261 Oct 13 17:16	24°♈00'39	1°41'44	superior conj	6262 Sep 27 19:45	8°♈32'00	1°42'04
minimum elong	6261 Oct 13 18:02	24°♈04'38	1°41'43	minimum elong	6262 Sep 27 19:11	8°♈29'01	1°42'04
	6261 Oct 16 16:15	0°♈		max. Earth dist.	6262 Oct 01 05:00	15°♈37'09	1.34193 AU
max. Earth dist.	6261 Oct 18 13:06	3°♈41'33	1.35829 AU	evening rise	6262 Oct 05 19:23	24°♈51'05	
evening rise	6261 Oct 22 13:18	11°♈20'55					

	6262 Oct 08 11:57	0°♍		max. Earth dist.	6263 Sep 14 05:23	27°♏47'12	1.32972 AU
desc. node	6262 Oct 19 00:12	18°♍16'54			6263 Sep 15 06:15	0°♏	
	6262 Oct 26 18:56	0°♏		evening rise	6263 Sep 19 12:53	8°♏53'07	
evening max el	6262 Nov 09 15:16	16°♏39'09	27°05'08		6263 Sep 30 21:46	0°♍	
retrograde	6262 Nov 22 22:35	23°♏57'45		desc. node	6263 Oct 05 21:13	8°♍02'28	
evening set	6262 Nov 29 17:21	21°♏18'55		evening max el	6263 Oct 23 02:50	29°♍54'17	27°27'06
min. Earth dist.	6262 Dec 03 15:29	17°♏31'33	0.65298 AU		6263 Oct 23 05:15	0°♏	
inferior conj	6262 Dec 05 17:58	15°♏09'28	-1°30'52	retrograde	6263 Nov 05 18:28	7°♏12'23	
minimum elong	6262 Dec 05 20:37	15°♏01'59	1°29'44	evening set	6263 Nov 12 20:33	4°♏37'13	
asc. node	6262 Dec 10 05:51	10°♏42'23		min. Earth dist.	6263 Nov 16 13:44	1°♏22'17	0.63690 AU
morning rise	6262 Dec 12 01:01	9°♏35'19			6263 Nov 17 22:17	30°♏♍	
direct	6262 Dec 14 17:42	8°♏56'19		inferior conj	6263 Nov 19 03:52	28°♍44'02	-2°36'14
morning max el	6262 Dec 21 04:49	12°♏22'56	18°05'47	minimum elong	6263 Nov 19 08:34	28°♍32'05	2°34'26
	6263 Jan 02 15:05	0°♏		morning rise	6263 Nov 25 22:13	23°♍25'21	
morning set	6263 Jan 08 10:18	9°♏30'40		asc. node	6263 Nov 27 02:53	23°♍03'58	
desc. node	6263 Jan 14 23:25	20°♏11'45		direct	6263 Nov 28 08:36	22°♍56'23	
	6263 Jan 21 02:10	0°♏		morning max el	6263 Dec 04 21:55	26°♍21'01	17°50'08
					6263 Dec 08 01:15	0°♏	
superior conj	6263 Jan 22 23:33	2°♏59'56	-0°54'19	morning set	6263 Dec 21 11:19	21°♏40'15	
minimum elong	6263 Jan 22 16:59	2°♏33'58	0°53'25		6263 Dec 26 07:57	0°♏	
max. Earth dist.	6263 Jan 26 02:13	7°♏54'07	1.45256 AU	desc. node	6264 Jan 01 20:27	10°♏55'01	
evening rise	6263 Feb 08 05:32	28°♏21'55					
	6263 Feb 09 06:53	0°♏		superior conj	6264 Jan 03 00:17	12°♏49'17	-0°08'15
greatest brilliancy	6263 Feb 21 06:59	18°♏22'52	-0.7m	minimum elong	6264 Jan 02 23:23	12°♏45'36	0°08'04
	6263 Mar 01 13:05	0°♏		behind sun begin	6264 Jan 02 14:53	12°♏10'46	
evening max el	6263 Mar 05 03:48	4°♏10'40	19°36'33	behind sun end	6264 Jan 03 07:53	13°♏20'22	
asc. node	6263 Mar 08 05:05	6°♏49'26		max. Earth dist.	6264 Jan 08 20:18	22°♏14'20	1.44447 AU
retrograde	6263 Mar 12 11:17	8°♏22'58			6264 Jan 13 18:27	0°♏	
evening set	6263 Mar 16 01:56	7°♏06'39		evening rise	6264 Jan 18 16:30	7°♏37'12	
inferior conj	6263 Mar 21 12:08	1°♏10'23	3°18'26		6264 Feb 02 14:23	0°♏	
minimum elong	6263 Mar 21 10:38	1°♏15'21	3°18'14	evening max el	6264 Feb 16 05:26	17°♏46'17	20°38'16
	6263 Mar 22 09:24	30°♏♏		asc. node	6264 Feb 23 02:07	22°♏25'33	
min. Earth dist.	6263 Mar 22 15:52	29°♏38'46	0.66877 AU	retrograde	6264 Feb 24 09:42	22°♏34'42	
morning rise	6263 Mar 26 19:03	24°♏54'27		evening set	6264 Feb 28 09:17	21°♏03'43	
direct	6263 Apr 01 21:06	22°♏11'43		inferior conj	6264 Mar 04 17:25	14°♏54'49	2°56'38
desc. node	6263 Apr 12 22:45	28°♏21'09		minimum elong	6264 Mar 04 15:15	15°♏02'13	2°56'11
morning max el	6263 Apr 14 03:21	29°♏31'33	25°36'33	min. Earth dist.	6264 Mar 05 07:31	14°♏06'27	0.67731 AU
	6263 Apr 14 14:28	0°♏		morning rise	6264 Mar 09 21:00	8°♏40'19	
	6263 May 06 21:21	0°♏		direct	6264 Mar 15 09:46	6°♏12'36	
morning set	6263 May 20 07:27	22°♏44'30		morning max el	6264 Mar 26 12:05	12°♏50'45	24°10'32
max. Earth dist.	6263 May 24 01:16	29°♏41'58	1.35957 AU	desc. node	6264 Mar 29 19:47	16°♏26'42	
	6263 May 24 05:04	0°♏			6264 Apr 09 07:54	0°♏	
					6264 Apr 28 17:09	0°♏	
superior conj	6263 May 29 20:23	11°♏00'46	-0°52'10	morning set	6264 May 01 05:10	4°♏16'45	
minimum elong	6263 May 29 23:22	11°♏15'43	0°51'38	max. Earth dist.	6264 May 04 21:47	10°♏47'08	1.38033 AU
asc. node	6263 Jun 04 04:19	21°♏51'06					
evening rise	6263 Jun 06 21:20	27°♏23'54		superior conj	6264 May 12 00:40	23°♏58'58	-1°22'00
	6263 Jun 08 04:07	0°♏		minimum elong	6264 May 12 05:19	24°♏21'10	1°21'20
evening max el	6263 Jun 24 14:06	26°♏17'34	20°00'34		6264 May 15 03:22	0°♏	
	6263 Jun 29 12:32	0°♏		evening rise	6264 May 20 21:07	11°♏18'54	
retrograde	6263 Jul 04 23:31	1°♏23'32		asc. node	6264 May 21 01:21	11°♏39'48	
evening set	6263 Jul 06 21:01	1°♏14'06			6264 May 31 02:17	0°♏	
desc. node	6263 Jul 09 22:01	0°♏22'50		evening max el	6264 Jun 06 09:26	8°♏07'17	19°02'40
	6263 Jul 10 19:57	30°♏♏		retrograde	6264 Jun 15 03:03	12°♏24'36	
inferior conj	6263 Jul 15 21:34	27°♏14'17	-1°47'56	evening set	6264 Jun 17 02:48	12°♏12'10	
minimum elong	6263 Jul 15 16:33	27°♏21'51	1°46'06	inferior conj	6264 Jun 25 09:38	7°♏58'33	0°07'02
min. Earth dist.	6263 Jul 17 18:21	26°♏06'54	0.55157 AU	minimum elong	6264 Jun 25 09:55	7°♏58'03	0°06'52
morning rise	6263 Jul 24 10:22	22°♏55'31		transit middle	6264 Jun 25 09:55	7°♏58'03	0°06'52
direct	6263 Jul 28 17:26	22°♏15'13		transit begin	6264 Jun 25 06:30	8°♏03'57	
morning max el	6263 Aug 11 10:47	29°♏00'15	24°09'36	transit end	6264 Jun 25 13:20	7°♏52'08	
	6263 Aug 12 11:22	0°♏		desc. node	6264 Jun 25 19:04	7°♏42'11	
asc. node	6263 Aug 31 03:36	27°♏56'06		min. Earth dist.	6264 Jun 28 09:26	5°♏55'08	0.56454 AU
	6263 Sep 01 04:44	0°♏		morning rise	6264 Jul 03 13:46	3°♏04'06	
morning set	6263 Sep 05 05:00	8°♏16'14		direct	6264 Jul 08 18:36	2°♏00'25	
				morning max el	6264 Jul 23 00:33	9°♏20'34	25°48'00
					6264 Aug 07 14:09	0°♏	
superior conj	6263 Sep 12 03:30	23°♏17'49	1°36'08	asc. node	6264 Aug 17 00:38	17°♏33'30	
minimum elong	6263 Sep 12 01:56	23°♏09'19	1°36'01				

morning set	6264 Aug 19 16:18	23°Ω05'14		morning set	6265 Aug 04 01:36	7°Ω46'33	
	6264 Aug 22 21:09	0°൬					
superior conj	6264 Aug 26 14:15	8°൬10'17	1°24'43	superior conj	6265 Aug 11 02:07	23°Ω03'19	1°08'25
minimum elong	6264 Aug 26 12:06	7°൬58'27	1°24'26	minimum elong	6265 Aug 10 23:50	22°Ω50'45	1°08'01
max. Earth dist.	6264 Aug 27 12:34	10°൬13'07	1.32193 AU	max. Earth dist.	6265 Aug 10 23:18	22°Ω47'48	1.31849 AU
evening rise	6264 Sep 02 14:32	23°൬17'23		evening rise	6265 Aug 14 05:35	0°൬	
	6264 Sep 05 21:47	0°Ω			6265 Aug 17 21:43	7°൬55'57	
desc. node	6264 Sep 21 18:16	27°Ω13'14		desc. node	6265 Aug 29 08:32	0°Ω	
	6264 Sep 23 17:24	0°ℳ			6265 Sep 08 15:19	15°Ω35'04	
evening max el	6264 Oct 04 11:04	12°ℳ36'27	27°18'06	evening max el	6265 Sep 16 13:11	24°Ω33'41	26°35'21
retrograde	6264 Oct 18 07:09	19°ℳ49'35		retrograde	6265 Sep 23 22:53	0°ℳ	
evening set	6264 Oct 25 10:09	17°ℳ29'03			6265 Sep 30 11:17	1°ℳ41'21	
min. Earth dist.	6264 Oct 29 01:42	14°ℳ39'56	0.61805 AU		6265 Oct 06 19:52	30°℞Ω	
inferior conj	6264 Nov 01 01:49	11°ℳ56'56	-3°40'59	evening set	6265 Oct 07 05:38	29°Ω46'56	
minimum elong	6264 Nov 01 08:08	11°ℳ42'36	3°38'59	min. Earth dist.	6265 Oct 11 02:54	27°Ω11'36	0.59754 AU
morning rise	6264 Nov 08 08:05	6°ℳ56'54		inferior conj	6265 Oct 14 08:17	24°Ω38'56	-4°38'21
direct	6264 Nov 10 15:07	6°ℳ34'21		minimum elong	6265 Oct 14 14:42	24°Ω26'12	4°36'57
asc. node	6264 Nov 12 23:56	6°ℳ59'16		morning rise	6265 Oct 22 01:54	20°Ω00'44	
morning max el	6264 Nov 17 13:47	10°ℳ05'11	17°52'32	direct	6265 Oct 24 09:10	19°Ω41'28	
	6264 Nov 30 16:54	0°♁		asc. node	6265 Oct 30 20:59	22°Ω23'42	
morning set	6264 Dec 03 08:45	4°♁47'58		morning max el	6265 Nov 01 01:04	23°Ω26'53	18°14'21
					6265 Nov 06 07:08	0°ℳ	
superior conj	6264 Dec 14 02:57	23°♁53'39	0°32'46	morning set	6265 Nov 16 20:41	18°ℳ36'28	
minimum elong	6264 Dec 14 05:44	24°♁05'37	0°32'24		6265 Nov 22 21:48	0°♁	
	6264 Dec 17 17:14	0°Ω					
desc. node	6264 Dec 18 17:28	1°Ω41'15		superior conj	6265 Nov 26 05:56	6°♁08'13	1°04'23
max. Earth dist.	6264 Dec 21 10:53	6°Ω11'01	1.43015 AU	minimum elong	6265 Nov 26 09:41	6°♁25'13	1°03'56
evening rise	6264 Dec 28 07:45	17°Ω10'16		max. Earth dist.	6265 Dec 03 20:47	19°♁31'21	1.41128 AU
	6265 Jan 05 16:50	0°≈		desc. node	6265 Dec 05 14:30	22°♁27'11	
	6265 Jan 27 18:00	0°℥		evening rise	6265 Dec 08 16:14	27°♁31'38	
evening max el	6265 Jan 29 01:44	1°℥23'30	21°51'06		6265 Dec 10 04:51	0°Ω	
retrograde	6265 Feb 07 07:06	6°℥51'54			6265 Dec 30 08:48	0°≈	
asc. node	6265 Feb 08 23:11	6°℥37'15		evening max el	6266 Jan 11 17:40	15°≈03'01	23°10'10
evening set	6265 Feb 11 17:10	5°℥05'38		retrograde	6266 Jan 22 01:59	21°≈10'39	
	6265 Feb 16 04:03	30°℞≈		evening set	6266 Jan 26 23:57	19°≈08'53	
inferior conj	6265 Feb 17 01:09	28°≈46'59	2°25'22	asc. node	6266 Jan 26 20:15	19°≈16'33	
minimum elong	6265 Feb 16 22:48	28°≈55'09	2°24'42	inferior conj	6266 Feb 01 09:25	12°≈43'52	1°45'48
min. Earth dist.	6265 Feb 17 02:50	28°≈41'07	0.68162 AU	minimum elong	6266 Feb 01 07:19	12°≈51'04	1°45'06
morning rise	6265 Feb 22 04:15	22°≈35'34		min. Earth dist.	6266 Jan 31 23:32	13°≈17'55	0.68194 AU
direct	6265 Feb 27 02:41	20°≈28'29		morning rise	6266 Feb 06 14:37	6°≈37'00	
morning max el	6265 Mar 08 22:06	26°≈16'10	22°41'07	direct	6266 Feb 10 22:47	4°≈52'48	
	6265 Mar 12 08:14	0°℥		morning max el	6266 Feb 19 13:06	9°≈51'14	21°16'48
desc. node	6265 Mar 16 16:48	5°℥22'27		desc. node	6266 Mar 03 13:48	24°≈54'11	
	6265 Apr 02 21:18	0°Υ			6266 Mar 07 03:33	0°℥	
morning set	6265 Apr 12 01:04	14°Υ34'15		morning set	6266 Mar 22 16:50	23°℥33'21	
max. Earth dist.	6265 Apr 16 17:54	22°Υ26'51	1.40252 AU		6266 Mar 26 17:53	0°Υ	
	6265 Apr 21 02:19	0°Ω		max. Earth dist.	6266 Mar 29 20:00	5°Υ01'21	1.42329 AU
superior conj	6265 Apr 24 12:56	6°Ω09'50	-1°48'00	superior conj	6266 Apr 06 04:09	17°Υ20'48	-2°05'45
minimum elong	6265 Apr 24 18:13	6°Ω33'50	1°47'31	minimum elong	6266 Apr 06 07:39	17°Υ35'50	2°05'37
evening rise	6265 May 04 11:24	24°Ω43'18			6266 Apr 13 09:03	0°Ω	
	6265 May 07 06:35	0°ℙ		evening rise	6266 Apr 17 12:10	7°Ω26'41	
asc. node	6265 May 07 22:25	1°ℙ13'45		asc. node	6266 Apr 24 19:28	20°Ω26'32	
evening max el	6265 May 20 14:16	20°ℙ35'05	18°25'12		6266 May 01 00:09	0°ℙ	
retrograde	6265 May 28 01:42	24°ℙ18'03		evening max el	6266 May 04 00:48	3°ℙ30'19	18°07'39
evening set	6265 May 30 08:15	23°ℙ58'26		retrograde	6266 May 10 18:02	6°ℙ55'27	
inferior conj	6265 Jun 06 19:06	19°ℙ24'44	1°38'45	evening set	6266 May 13 07:39	6°ℙ25'47	
minimum elong	6265 Jun 06 22:08	19°ℙ18'35	1°37'45	inferior conj	6266 May 20 01:06	1°ℙ31'27	2°40'26
min. Earth dist.	6265 Jun 10 05:02	16°ℙ40'06	0.58379 AU	minimum elong	6266 May 20 04:14	1°ℙ24'03	2°39'41
desc. node	6265 Jun 12 16:06	14°ℙ55'35			6266 May 21 15:42	30°℞Ω	
morning rise	6265 Jun 14 08:48	13°ℙ56'39		min. Earth dist.	6266 May 23 07:27	28°Ω28'19	0.60582 AU
direct	6265 Jun 20 09:47	12°ℙ21'26		morning rise	6266 May 26 22:28	25°Ω38'51	
morning max el	6265 Jul 04 19:02	20°ℙ04'02	27°04'15	desc. node	6266 May 30 13:07	23°Ω57'03	
	6265 Jul 13 07:08	0°Ω		direct	6266 Jun 02 12:53	23°Ω30'59	
	6265 Jul 31 06:32	0°Ω			6266 Jun 15 07:39	0°ℙ	
asc. node	6265 Aug 03 21:41	7°Ω25'55		morning max el	6266 Jun 16 20:13	1°ℙ27'14	27°46'49
					6266 Jul 07 13:24	0°Ω	

morning set	6266 Jul 19 07:04	22°☿13'42		morning set	6267 Jul 03 06:34	6°☿20'43	
asc. node	6266 Jul 21 18:43	27°☿27'18		max. Earth dist.	6267 Jul 08 15:44	17°☿33'29	1.32459 AU
	6266 Jul 22 23:11	0°♊		asc. node	6267 Jul 08 15:44	17°☿33'30	
max. Earth dist.	6266 Jul 25 09:43	5°♊18'43	1.31933 AU				
superior conj	6266 Jul 26 13:14	7°♊50'04	0°47'43	superior conj	6267 Jul 10 21:53	22°☿25'30	0°23'10
minimum elong	6266 Jul 26 11:19	7°♊39'32	0°47'18	minimum elong	6267 Jul 10 20:49	22°☿19'41	0°22'54
evening rise	6266 Aug 02 08:07	22°♊40'46			6267 Jul 14 09:17	0°♊	
	6266 Aug 05 20:23	0°♊		evening rise	6267 Jul 17 19:51	7°♊26'03	
	6266 Aug 24 02:46	0°♊			6267 Jul 29 13:59	0°♊	
desc. node	6266 Aug 26 12:20	2°♊47'39		evening max el	6267 Aug 10 19:41	16°♊07'40	23°48'18
evening max el	6266 Aug 29 07:18	5°♊40'04	25°21'51	desc. node	6267 Aug 13 09:22	18°♊24'18	
retrograde	6266 Sep 12 05:24	12°♊43'07		retrograde	6267 Aug 24 11:55	22°♊59'43	
evening set	6266 Sep 18 02:12	11°♊23'45		evening set	6267 Aug 28 22:40	22°♊16'09	
min. Earth dist.	6266 Sep 22 18:57	8°♊44'32	0.57722 AU	min. Earth dist.	6267 Sep 04 05:55	19°♊14'20	0.56010 AU
inferior conj	6266 Sep 25 19:53	6°♊39'45	-5°16'53	inferior conj	6267 Sep 06 11:13	17°♊53'45	-5°19'58
minimum elong	6266 Sep 25 23:20	6°♊33'49	5°16'35	minimum elong	6267 Sep 06 08:17	17°♊58'12	5°19'48
morning rise	6266 Oct 03 22:44	2°♊24'54		morning rise	6267 Sep 14 20:18	13°♊58'02	
direct	6266 Oct 06 10:09	2°♊06'27		direct	6267 Sep 17 15:25	13°♊38'18	
morning max el	6266 Oct 15 04:19	6°♊16'19	18°57'16	morning max el	6267 Sep 27 20:27	18°♊24'08	20°02'14
asc. node	6266 Oct 17 18:00	9°♊03'18		asc. node	6267 Oct 04 15:01	26°♊42'51	
	6266 Oct 30 07:25	0°♋			6267 Oct 06 17:00	0°♋	
morning set	6266 Oct 31 18:40	2°♋52'49		morning set	6267 Oct 15 23:20	17°♋27'22	
					6267 Oct 22 02:44	0°♋	
superior conj	6266 Nov 09 04:09	19°♋18'44	1°25'56	superior conj	6267 Oct 23 16:27	3°♋10'03	1°38'17
minimum elong	6266 Nov 09 07:10	19°♋33'12	1°25'40	minimum elong	6267 Oct 23 18:05	3°♋18'14	1°38'14
	6266 Nov 14 21:57	0°♌		max. Earth dist.	6267 Oct 29 08:13	14°♋11'56	1.36920 AU
max. Earth dist.	6266 Nov 16 02:39	2°♌08'58	1.39008 AU	evening rise	6267 Nov 02 03:22	21°♋13'32	
evening rise	6266 Nov 19 23:06	8°♌53'38			6267 Nov 07 03:21	0°♌	
desc. node	6266 Nov 22 11:31	13°♌09'22		desc. node	6267 Nov 09 08:33	3°♌43'20	
	6266 Dec 03 02:36	0°♍			6267 Nov 27 00:55	0°♍	
evening max el	6266 Dec 25 07:01	28°♍45'58	24°29'28	evening max el	6267 Dec 07 19:39	12°♍30'50	25°42'07
	6266 Dec 26 13:55	0°♍		retrograde	6267 Dec 20 04:00	19°♍35'16	
retrograde	6267 Jan 05 17:17	5°♍27'03		evening set	6267 Dec 26 04:03	17°♍06'35	
evening set	6267 Jan 11 04:08	3°♍10'38		min. Earth dist.	6267 Dec 30 12:08	12°♍24'00	0.67135 AU
asc. node	6267 Jan 13 17:16	0°♍33'08		inferior conj	6267 Dec 31 20:17	10°♍41'53	0°05'04
	6267 Jan 14 04:12	30°♎		minimum elong	6267 Dec 31 20:09	10°♍42'19	0°05'03
min. Earth dist.	6267 Jan 15 19:23	27°♎53'36	0.67846 AU	transit middle	6267 Dec 31 20:09	10°♍42'19	0°05'03
inferior conj	6267 Jan 16 16:24	26°♎43'21	0°58'48	transit begin	6267 Dec 31 17:28	10°♎50'50	
minimum elong	6267 Jan 16 15:03	26°♎47'52	0°58'18	transit end	6267 Dec 31 22:49	10°♎33'48	
morning rise	6267 Jan 22 02:06	20°♎42'39		asc. node	6267 Dec 31 14:17	11°♎01'00	
direct	6267 Jan 25 20:58	19°♎20'38		morning rise	6268 Jan 06 12:42	4°♎49'16	
morning max el	6267 Feb 02 11:44	23°♎38'54	20°03'39	direct	6268 Jan 09 19:49	3°♎46'50	
	6267 Feb 07 22:31	0°♏		morning max el	6268 Jan 16 18:08	7°♎36'30	19°04'59
desc. node	6267 Feb 18 10:47	14°♏52'21		greatest brilliancy	6268 Jan 30 18:08	26°♎35'03	-0.8m
	6267 Feb 28 10:28	0°♐			6268 Feb 01 23:39	0°♏	
morning set	6267 Mar 01 14:28	1°♐47'51		desc. node	6268 Feb 05 07:47	5°♏09'20	
max. Earth dist.	6267 Mar 12 05:23	18°♐27'17	1.43992 AU	morning set	6268 Feb 08 17:35	10°♏26'44	
					6268 Feb 21 06:21	0°♐	
superior conj	6267 Mar 17 18:26	27°♐24'51	-2°09'27	max. Earth dist.	6268 Feb 22 20:25	2°♐29'30	1.45055 AU
minimum elong	6267 Mar 17 16:38	27°♐17'29	2°09'24				
	6267 Mar 19 08:15	0°♑		superior conj	6268 Feb 25 09:14	6°♐29'15	-1°54'02
evening rise	6267 Mar 30 18:59	19°♑20'01		minimum elong	6268 Feb 25 01:10	5°♐57'23	1°53'27
	6267 Apr 06 00:11	0°♒			6268 Mar 10 23:51	0°♑	
asc. node	6267 Apr 11 16:30	9°♒11'29		evening rise	6268 Mar 11 03:37	0°♑15'27	
evening max el	6267 Apr 17 13:42	16°♒44'54	18°09'24	asc. node	6268 Mar 28 13:32	27°♑19'16	
retrograde	6267 Apr 23 23:40	20°♒07'07			6268 Mar 30 21:45	0°♒	
evening set	6267 Apr 26 19:55	19°♒25'42		evening max el	6268 Mar 31 02:02	0°♒10'53	18°29'45
inferior conj	6267 May 03 00:01	14°♒12'06	3°15'13	retrograde	6268 Apr 06 14:04	3°♒43'26	
minimum elong	6267 May 03 01:55	14°♒06'58	3°14'56	evening set	6268 Apr 09 16:59	2°♒49'04	
min. Earth dist.	6267 May 05 18:44	11°♒14'26	0.62750 AU		6268 Apr 13 02:16	30°♒	
morning rise	6267 May 09 06:28	8°♒05'12		inferior conj	6268 Apr 15 11:36	27°♒17'43	3°28'45
direct	6267 May 16 02:06	5°♒31'29		minimum elong	6268 Apr 15 12:00	27°♒16'34	3°28'43
desc. node	6267 May 17 10:07	5°♒36'56		min. Earth dist.	6268 Apr 17 15:20	24°♒44'52	0.64663 AU
morning max el	6267 May 30 03:02	13°♒33'16	27°51'19	morning rise	6268 Apr 21 06:14	21°♒04'11	
	6267 Jun 12 07:49	0°♓		direct	6268 Apr 27 23:25	18°♒16'47	
	6267 Jun 30 01:29	0°♓		desc. node	6268 May 03 07:07	19°♒44'12	

morning max el	6268 May 11 12:39	26°  13'08	27°20'14	minimum elong	6269 Mar 30 07:22	10°  44'53	3°25'53
	6268 May 15 00:37	0° 		min. Earth dist.	6269 Mar 31 20:32	8°  46'11	0.66198 AU
	6268 Jun 04 21:37	0° 		morning rise	6269 Apr 04 18:33	4°  26'17	
morning set	6268 Jun 15 21:27	19°  59'30		direct	6269 Apr 11 03:24	1°  38'31	
max. Earth dist.	6268 Jun 20 13:30	29°  21'33	1.33446 AU	desc. node	6269 Apr 20 04:08	5°  47'16	
	6268 Jun 20 20:58	0° 		morning max el	6269 Apr 23 22:36	9°  15'25	26°20'21
					6269 May 10 05:38	0° 	
superior conj	6268 Jun 24 02:04	6°  43'37	-0°04'36		6269 May 28 09:30	0° 	
minimum elong	6268 Jun 24 02:18	6°  44'52	0°04'35	morning set	6269 May 30 00:09	2°  59'14	
behind sun begin	6268 Jun 23 21:00	6°  16'46		max. Earth dist.	6269 Jun 03 00:22	10°  39'58	1.34913 AU
behind sun end	6268 Jun 24 07:37	7°  13'00					
asc. node	6268 Jun 24 12:46	7°  40'23		superior conj	6269 Jun 07 23:23	20°  36'55	-0°34'31
evening rise	6268 Jul 01 07:01	22°  05'56		minimum elong	6269 Jun 08 01:19	20°  46'48	0°34'10
	6268 Jul 05 03:02	0° 		asc. node	6269 Jun 11 09:48	27°  43'23	
evening max el	6268 Jul 22 09:51	26°  02'37	22°10'42		6269 Jun 12 11:59	0° 	
	6268 Jul 26 17:11	0° 		evening rise	6269 Jun 15 15:37	6°  33'42	
desc. node	6268 Jul 30 06:23	1°  52'24			6269 Jun 28 12:11	0° 	
retrograde	6268 Aug 04 06:20	2°  50'39		evening max el	6269 Jul 04 09:30	7°  11'06	20°43'06
evening set	6268 Aug 07 05:34	2°  31'08		retrograde	6269 Jul 15 18:26	12°  46'59	
	6268 Aug 13 14:38	30°  00'00		desc. node	6269 Jul 17 03:25	12°  42'22	
min. Earth dist.	6268 Aug 15 15:34	28°  52'53	0.54957 AU	evening set	6269 Jul 17 20:24	12°  36'30	
inferior conj	6268 Aug 16 10:00	28°  02'56	-4°32'17	inferior conj	6269 Jul 27 02:55	8°  39'38	-2°55'41
minimum elong	6268 Aug 16 01:28	28°  38'57	4°30'25	minimum elong	6269 Jul 26 19:02	8°  50'52	2°53'03
morning rise	6268 Aug 24 23:01	24°  37'30		min. Earth dist.	6269 Jul 28 01:57	8°  06'44	0.54807 AU
direct	6268 Aug 28 05:02	24°  13'53		morning rise	6269 Aug 04 17:23	4°  37'29	
morning max el	6268 Sep 09 00:11	29°  45'23	21°28'04	direct	6269 Aug 08 14:08	4°  05'25	
	6268 Sep 09 06:24	0° 		morning max el	6269 Aug 21 17:35	10°  24'37	23°09'07
asc. node	6268 Sep 20 12:02	15°  08'50			6269 Sep 05 02:23	0° 	
	6268 Sep 28 06:29	0° 		asc. node	6269 Sep 07 09:05	4°  09'21	
morning set	6268 Sep 29 08:17	2°  13'33		morning set	6269 Sep 13 19:29	17°  04'48	
					6269 Sep 19 19:51	0° 	
superior conj	6268 Oct 06 14:46	17°  03'14	1°42'41	superior conj	6269 Sep 20 19:48	2°  08'43	1°40'16
minimum elong	6268 Oct 06 14:57	17°  03'10	1°42'42	minimum elong	6269 Sep 20 18:46	2°  03'10	1°40'13
max. Earth dist.	6268 Oct 10 19:23	26°  04'39	1.35086 AU	max. Earth dist.	6269 Sep 23 15:13	8°  06'46	1.33628 AU
	6268 Oct 12 18:56	0° 		evening rise	6269 Sep 28 12:44	18°  07'30	
evening rise	6268 Oct 15 01:18	4°  22'10			6269 Oct 04 19:03	0° 	
desc. node	6268 Oct 26 05:36	24°  04'17		desc. node	6269 Oct 13 02:39	14°  05'01	
	6268 Oct 29 23:20	0° 			6269 Oct 24 05:52	0° 	
evening max el	6268 Nov 19 08:42	26°  13'11	26°40'42	evening max el	6269 Nov 01 21:26	9°  42'07	27°17'55
	6268 Nov 23 18:56	0° 		retrograde	6269 Nov 15 08:41	17°  00'21	
retrograde	6268 Dec 02 09:26	3°  29'08		evening set	6269 Nov 22 07:08	14°  02'21	
evening set	6268 Dec 08 21:49	0° 		min. Earth dist.	6269 Nov 26 03:07	10°  07'48	0.64659 AU
	6268 Dec 09 21:59	30°  00'00		inferior conj	6269 Nov 28 10:29	8°  19'13	-1°58'21
min. Earth dist.	6268 Dec 12 23:31	26°  14'44'51	0.66072 AU	minimum elong	6269 Nov 28 14:00	8°  09'41	1°56'55
inferior conj	6268 Dec 14 19:05	24°  13'54'49	-0°54'26	asc. node	6269 Dec 04 08:19	3°  07'46	
minimum elong	6268 Dec 14 20:37	24°  13'11'17	0°53'46	morning rise	6269 Dec 04 22:10	2°  05'56	
asc. node	6268 Dec 17 11:17	21°  35'20		direct	6269 Dec 07 11:56	2°  16'32	
morning rise	6268 Dec 20 20:16	18°  07'19		morning max el	6269 Dec 13 23:00	5°  41'08	17°56'55
direct	6268 Dec 23 17:37	18° 			6269 Dec 30 05:33	0° 	
morning max el	6268 Dec 30 06:44	21°  39'32	18°22'28	morning set	6269 Dec 31 08:38	1°  53'28	
	6269 Jan 05 21:23	0° 		desc. node	6270 Jan 09 01:53	16°  03'03	
morning set	6269 Jan 18 22:21	20°  26'15					
desc. node	6269 Jan 22 04:49	25°  40'07		superior conj	6270 Jan 14 01:14	24°  22'19	-0°34'37
	6269 Jan 24 22:04	0° 		minimum elong	6270 Jan 13 21:07	24°  05'47	0°34'00
superior conj	6269 Feb 03 12:53	15°  02'23	-1°19'42		6270 Jan 17 14:06	0° 	
minimum elong	6269 Feb 03 03:52	14°  35'03	1°18'39	max. Earth dist.	6270 Jan 18 10:59	1°  22'30	1.45005 AU
max. Earth dist.	6269 Feb 04 15:14	16°  53'39	1.45406 AU	evening rise	6270 Jan 30 04:53	19°  39'09	
	6269 Feb 13 00:09	0° 			6270 Feb 05 23:13	0° 	
evening rise	6269 Feb 19 13:06	10°  15'48		greatest brilliancy	6270 Feb 13 17:44	11°  39'00	-0.6m
greatest brilliancy	6269 Mar 01 23:12	26°  15'24	-0.8m	evening max el	6270 Feb 25 16:16	27°  18'29	20°01'13
	6269 Mar 04 04:41	0° 			6270 Feb 28 17:50	0° 	
evening max el	6269 Mar 14 11:29	13°  09'43'11	19°07'34	asc. node	6270 Mar 02 07:34	0°  57'40	
asc. node	6269 Mar 15 10:33	14° 09'39'01		retrograde	6270 Mar 05 07:43	1° 44'55	
retrograde	6269 Mar 21 09:40	17° 09'37'41		evening set	6270 Mar 09 02:06	0°	
evening set	6269 Mar 24 19:49	16° 09'29'31			6270 Mar 09 13:33	30° 00'00	
inferior conj	6269 Mar 30 08:18	10° 09'41'55	3°25'57	inferior conj	6270 Mar 14 11:09	24° 10'20	3°10'24

minimum elong	6270 Mar 14 09:19	24° H 26'31	3°10'06	evening set	6271 Feb 21 09:54	14° H 22'04	
min. Earth dist.	6270 Mar 15 08:52	23° H 07'15	0.67298 AU	inferior conj	6271 Feb 26 17:43	8° H 08'23	2°44'26
morning rise	6270 Mar 19 16:19	18° H 05'05		minimum elong	6271 Feb 26 15:26	8° H 16'20	2°43'53
direct	6270 Mar 25 12:59	15° H 27'57		min. Earth dist.	6271 Feb 27 02:18	7° H 38'40	0.67964 AU
morning max el	6270 Apr 06 07:44	22° H 30'48	25°01'03	morning rise	6271 Mar 03 20:47	1° H 55'07	
desc. node	6270 Apr 07 01:10	23° H 15'37			6271 Mar 06 21:46	30° R \approx	
	6270 Apr 12 21:28	0° Y		direct	6271 Mar 09 03:23	29° \approx 36'02	
	6270 May 03 13:04	0° B			6271 Mar 11 12:04	0° H	
morning set	6270 May 12 10:04	15° B 07'46		morning max el	6271 Mar 19 16:48	5° H 53'09	23°32'25
max. Earth dist.	6270 May 16 01:10	21° B 43'37	1.36810 AU	desc. node	6271 Mar 24 22:11	11° H 44'37	
	6270 May 20 10:06	0° II			6271 Apr 07 08:08	0° Y	
				morning set	6271 Apr 23 21:25	26° Y 09'37	
superior conj	6270 May 22 10:57	3° II 58'01	-1°05'03		6271 Apr 26 03:18	0° B	
minimum elong	6270 May 22 14:42	4° II 16'26	1°04'26	max. Earth dist.	6271 Apr 27 20:57	3° B 01'13	1.38978 AU
asc. node	6270 May 29 06:51	17° II 38'47					
evening rise	6270 May 30 19:26	20° II 43'11		superior conj	6271 May 05 08:55	16° B 36'52	-1°33'44
	6270 Jun 04 12:45	0° E		minimum elong	6271 May 05 14:02	17° B 00'49	1°33'07
evening max el	6270 Jun 16 21:50	18° E 35'27	19°33'24		6271 May 12 08:48	0° II	
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evening set	6270 Jun 28 10:57	23° E 09'23		asc. node	6271 May 16 03:53	7° II 21'41	
desc. node	6270 Jul 04 00:25	21° E 00'00			6271 May 30 05:13	0° E	
inferior conj	6270 Jul 07 04:39	19° E 04'31	-0°57'30	evening max el	6271 May 30 21:29	0° E 41'24	18°44'10
minimum elong	6270 Jul 07 02:03	19° E 08'39	0°56'32	retrograde	6271 Jun 08 01:04	4° E 42'35	
min. Earth dist.	6270 Jul 09 14:44	17° E 32'34	0.55613 AU	evening set	6271 Jun 10 03:20	4° E 27'37	
morning rise	6270 Jul 15 14:43	14° E 31'33		inferior conj	6271 Jun 18 01:32	0° E 05'35	0°49'32
direct	6270 Jul 20 06:49	13° E 42'47		minimum elong	6271 Jun 18 03:22	0° E 02'12	0°48'51
morning max el	6270 Aug 03 06:49	20° E 43'27	24°53'16		6271 Jun 18 04:33	30° R II	
	6270 Aug 11 06:36	0° O		desc. node	6271 Jun 20 21:27	28° II 00'07	
asc. node	6270 Aug 25 06:09	23° O 35'30		min. Earth dist.	6271 Jun 21 07:32	27° II 42'12	0.57212 AU
	6270 Aug 28 09:13	0° P		morning rise	6271 Jun 25 23:59	24° II 55'38	
morning set	6270 Aug 29 07:13	1° P 56'08		direct	6271 Jul 01 13:38	23° II 39'26	
					6271 Jul 14 16:00	0° E	
superior conj	6270 Sep 05 05:05	16° P 57'55	1°31'56	morning max el	6271 Jul 15 22:20	1° E 10'52	26°24'08
minimum elong	6270 Sep 05 03:13	16° P 47'43	1°31'44		6271 Aug 05 07:17	0° O	
max. Earth dist.	6270 Sep 06 19:01	20° P 24'51	1.32591 AU	asc. node	6271 Aug 12 03:12	13° O 19'49	
	6270 Sep 11 06:59	0° A		morning set	6271 Aug 13 17:53	16° O 42'23	
evening rise	6270 Sep 12 10:02	2° A 19'45			6271 Aug 19 20:25	0° P	
	6270 Sep 27 15:24	0° M					
desc. node	6270 Sep 29 23:40	3° M 37'11		superior conj	6271 Aug 20 16:30	1° P 51'06	1°18'22
evening max el	6270 Oct 15 07:53	22° M 44'38	27°27'12	minimum elong	6271 Aug 20 14:15	1° P 38'38	1°18'02
	6270 Oct 28 18:13	0° J		max. Earth dist.	6271 Aug 21 04:06	2° P 55'08	1.31986 AU
retrograde	6270 Oct 29 01:21	0° J 00'15		evening rise	6271 Aug 27 14:17	16° P 50'27	
	6270 Oct 29 08:27	30° R M			6271 Sep 03 04:23	0° A	
evening set	6270 Nov 05 05:00	27° M 29'46		desc. node	6271 Sep 16 20:41	22° A 29'16	
min. Earth dist.	6270 Nov 08 20:55	24° M 27'08	0.62927 AU		6271 Sep 22 17:07	0° M	
inferior conj	6270 Nov 11 15:41	21° M 45'21	-3°04'04	evening max el	6271 Sep 27 13:37	5° M 08'17	27°04'01
minimum elong	6270 Nov 11 21:10	21° M 32'02	3°02'06	retrograde	6271 Oct 11 10:47	12° M 19'45	
morning rise	6270 Nov 18 15:06	16° M 34'18		evening set	6271 Oct 18 11:35	10° M 08'31	
direct	6270 Nov 20 23:48	16° M 08'21		min. Earth dist.	6271 Oct 22 04:05	7° M 27'28	0.60940 AU
asc. node	6270 Nov 21 05:24	16° M 08'37		inferior conj	6271 Oct 25 07:29	4° M 46'25	-4°06'47
morning max el	6270 Nov 27 15:59	19° M 34'11	17°48'53	minimum elong	6271 Oct 25 14:08	4° M 32'11	4°04'55
	6270 Dec 05 08:39	0° J		morning rise	6271 Nov 01 18:49	29° A 55'45	
morning set	6270 Dec 13 19:05	14° J 30'05			6271 Nov 01 13:22	30° R A	
	6270 Dec 22 17:30	0° B		direct	6271 Nov 04 01:24	29° A 35'01	
					6271 Nov 06 12:04	0° M	
superior conj	6270 Dec 25 12:44	4° B 43'00	0°10'11	asc. node	6271 Nov 08 02:28	0° M 43'34	
minimum elong	6270 Dec 25 13:45	4° B 47'16	0°10'03	morning max el	6271 Nov 11 06:25	3° M 10'49	17°59'24
behind sun begin	6270 Dec 25 06:30	4° B 16'58		morning set	6271 Nov 26 23:22	27° M 57'20	
behind sun end	6270 Dec 25 21:01	5° B 17'31			6271 Nov 28 01:56	0° J	
desc. node	6270 Dec 26 22:54	7° B 04'59					
max. Earth dist.	6271 Jan 01 04:14	15° B 36'07	1.43907 AU	superior conj	6271 Dec 07 02:22	16° J 19'45	0°47'24
evening rise	6271 Jan 09 15:43	28° B 57'16		minimum elong	6271 Dec 07 05:51	16° J 35'02	0°46'57
	6271 Jan 10 07:59	0° \approx		desc. node	6271 Dec 13 19:55	27° J 51'56	
	6271 Jan 30 17:49	0° H		max. Earth dist.	6271 Dec 14 16:41	29° J 18'23	1.42252 AU
evening max el	6271 Feb 08 15:30	10° H 54'24	21°08'06		6271 Dec 15 02:45	0° B	
retrograde	6271 Feb 17 05:58	15° H 59'43		evening rise	6271 Dec 20 13:08	8° B 48'26	
asc. node	6271 Feb 17 04:37	15° H 59'42			6272 Jan 03 11:36	0° \approx	

evening max el	6272 Jan 22 09:38	24° \approx 32'12	22°24'13	evening max el	6273 Jan 04 00:15	8° \approx 13'24	23°44'15
	6272 Jan 30 02:53	0° H		retrograde	6273 Jan 14 20:08	14° \approx 36'28	
retrograde	6272 Feb 01 02:37	0° H 18'22		evening set	6273 Jan 19 23:22	12° \approx 28'35	
	6272 Feb 03 00:10	30° R \approx		asc. node	6273 Jan 20 22:43	11° \approx 34'40	
asc. node	6272 Feb 04 01:40	29° \approx 32'52		inferior conj	6273 Jan 25 09:53	6° \approx 02'01	1°26'46
evening set	6272 Feb 05 17:31	28° \approx 25'30		minimum elong	6273 Jan 25 08:03	6° \approx 08'16	1°26'07
inferior conj	6272 Feb 11 01:56	22° \approx 03'24	2°09'33	min. Earth dist.	6273 Jan 24 19:19	6° \approx 51'41	0.68093 AU
minimum elong	6272 Feb 10 23:38	22° \approx 11'22	2°08'51	morning rise	6273 Jan 30 16:41	29° Z 57'16	
min. Earth dist.	6272 Feb 10 22:35	22° \approx 15'00	0.68222 AU		6273 Jan 30 15:17	30° R Z	
morning rise	6272 Feb 16 05:37	15° \approx 53'32		direct	6273 Feb 03 19:04	28° Z 22'33	
direct	6272 Feb 20 21:47	13° \approx 56'13			6273 Feb 08 08:02	0° \approx	
morning max el	6272 Mar 01 04:36	19° \approx 22'51	22°04'06	morning max el	6273 Feb 11 22:32	3° \approx 02'46	20°43'55
	6272 Mar 10 02:02	0° H		desc. node	6273 Feb 25 16:12	20° \approx 41'26	
desc. node	6272 Mar 10 19:12	0° H 57'20			6273 Mar 04 00:07	0° H	
	6272 Mar 30 12:33	0° Y		morning set	6273 Mar 13 10:55	14° H 25'55	
morning set	6272 Apr 03 05:08	5° Y 52'54		max. Earth dist.	6273 Mar 21 23:22	27° H 57'10	1.43103 AU
max. Earth dist.	6272 Apr 08 18:40	15° Y 01'25	1.41171 AU		6273 Mar 23 05:36	0° Y	
superior conj	6272 Apr 16 12:45	28° Y 23'11	-1°56'53	superior conj	6273 Mar 28 17:41	9° Y 06'30	-2°09'23
minimum elong	6272 Apr 16 17:40	28° Y 45'00	1°56'32	minimum elong	6273 Mar 28 19:21	9° Y 13'28	2°09'22
	6272 Apr 17 10:31	0° B		evening rise	6273 Apr 09 18:16	29° Y 57'06	
evening rise	6272 Apr 27 00:38	17° B 34'05			6273 Apr 09 18:55	0° B	
asc. node	6272 May 02 00:54	26° B 47'14		asc. node	6273 Apr 18 21:56	15° B 49'14	
	6272 May 03 20:26	0° II		evening max el	6273 Apr 26 17:10	26° B 27'06	18°06'08
evening max el	6272 May 13 05:09	13° II 21'53	18°15'20	retrograde	6273 May 03 05:57	29° B 48'53	
retrograde	6272 May 20 07:31	16° II 55'17		evening set	6273 May 05 22:30	29° B 14'20	
evening set	6272 May 22 17:02	16° II 31'47		inferior conj	6273 May 12 09:47	24° B 11'49	2°58'08
inferior conj	6272 May 29 20:04	11° II 49'33	2°08'32	minimum elong	6273 May 12 12:30	24° B 05'04	2°57'35
minimum elong	6272 May 29 23:24	11° II 42'20	2°07'34	min. Earth dist.	6273 May 15 11:59	21° B 08'12	0.61529 AU
min. Earth dist.	6272 Jun 02 05:59	8° II 53'37	0.59302 AU	morning rise	6273 May 19 00:32	18° B 12'19	
morning rise	6272 Jun 06 02:46	6° II 09'26		desc. node	6273 May 24 15:29	15° B 55'42	
desc. node	6272 Jun 06 18:29	5° II 48'04		direct	6273 May 25 18:25	15° B 51'55	
direct	6272 Jun 12 10:30	4° II 19'37		morning max el	6273 Jun 08 23:13	23° B 51'21	27°53'18
morning max el	6272 Jun 26 19:38	12° II 09'59	27°26'54		6273 Jun 14 11:41	0° II	
	6272 Jul 10 20:04	0° E			6273 Jul 04 03:07	0° E	
	6272 Jul 27 10:45	0° O		morning set	6273 Jul 12 04:54	15° E 37'33	
morning set	6272 Jul 28 01:43	1° O 17'59		asc. node	6273 Jul 15 21:12	23° E 20'29	
asc. node	6272 Jul 29 00:12	3° O 16'20		max. Earth dist.	6273 Jul 17 23:49	27° E 53'34	1.32100 AU
max. Earth dist.	6272 Aug 03 14:53	15° O 28'10	1.31822 AU		6273 Jul 18 23:00	0° O	
superior conj	6272 Aug 04 04:14	16° O 41'58	1°00'08	superior conj	6273 Jul 19 14:33	1° O 25'05	0°37'44
minimum elong	6272 Aug 04 02:04	16° O 29'56	0°59'43	minimum elong	6273 Jul 19 12:56	1° O 16'14	0°37'23
	6272 Aug 10 05:49	0° np		evening rise	6273 Jul 26 10:15	16° O 18'15	
evening rise	6272 Aug 10 23:02	1° np 32'00			6273 Aug 02 04:12	0° np	
	6272 Aug 26 06:44	0° a		desc. node	6273 Aug 20 14:44	27° np 00'11	
desc. node	6272 Sep 02 17:43	10° a 24'27		evening max el	6273 Aug 21 03:36	27° np 31'33	24°43'45
evening max el	6272 Sep 08 12:16	16° a 43'20	26°07'32		6273 Aug 23 23:30	0° a	
retrograde	6272 Sep 22 11:15	23° a 49'59		retrograde	6273 Sep 04 00:25	4° a 30'41	
evening set	6272 Sep 28 21:52	22° a 09'49		evening set	6273 Sep 09 07:46	3° a 27'33	
min. Earth dist.	6272 Oct 03 01:17	19° a 34'59	0.58858 AU	min. Earth dist.	6273 Sep 14 14:51	0° a 40'36	0.56934 AU
inferior conj	6272 Oct 06 06:16	17° a 11'51	-4°57'57		6273 Sep 15 16:16	30° R np	
minimum elong	6272 Oct 06 11:53	17° a 01'21	4°57'01	inferior conj	6273 Sep 17 09:13	28° np 53'16	-5°23'39
morning rise	6272 Oct 14 04:10	12° a 43'41		minimum elong	6273 Sep 17 10:16	28° np 51'35	5°23'38
direct	6272 Oct 16 12:29	12° a 25'12		morning rise	6273 Sep 25 15:01	24° np 47'04	
morning max el	6272 Oct 24 14:44	16° a 20'10	18°29'58	direct	6273 Sep 28 05:21	24° np 28'14	
asc. node	6272 Oct 24 23:30	16° a 41'42		morning max el	6273 Oct 07 13:29	28° np 52'24	19°22'10
	6272 Nov 03 06:11	0° m			6273 Oct 08 16:31	0° a	
morning set	6272 Nov 09 16:03	11° m 58'57		asc. node	6273 Oct 11 20:31	3° a 48'23	
				morning set	6273 Oct 24 17:14	26° a 23'55	
superior conj	6272 Nov 18 14:11	28° m 59'57	1°14'41		6273 Oct 26 12:21	0° m	
minimum elong	6272 Nov 18 17:46	29° m 16'34	1°14'19	superior conj	6273 Nov 01 18:56	12° m 28'55	1°32'13
	6272 Nov 19 03:09	0° x		minimum elong	6273 Nov 01 21:25	12° m 40'59	1°32'03
max. Earth dist.	6272 Nov 26 00:07	12° x 18'43	1.40237 AU	max. Earth dist.	6273 Nov 08 05:23	24° m 39'51	1.38106 AU
desc. node	6272 Nov 29 16:55	18° x 36'50			6273 Nov 11 04:31	0° x	
evening rise	6272 Nov 30 07:00	19° x 35'33		evening rise	6273 Nov 11 23:21	1° x 23'00	
	6272 Dec 06 17:30	0° Z		desc. node	6273 Nov 16 13:57	9° x 15'54	
	6272 Dec 27 18:40	0° \approx					

































































































































	6273 Nov 29 22:59	0°♁		evening rise	6274 Oct 25 11:35	14°♁04'10	
evening max el	6273 Dec 17 13:20	21°♁58'08 25°01'38		desc. node	6274 Nov 03 10:59	29°♁44'44	
retrograde	6273 Dec 29 09:27	28°♁49'45			6274 Nov 03 14:42	0°♁	
evening set	6274 Jan 04 01:55	26°♁27'58			6274 Nov 24 18:21	0°♁	
asc. node	6274 Jan 07 19:45	22°♁24'34		evening max el	6274 Nov 30 02:07	5°♁42'44 26°09'13	
min. Earth dist.	6274 Jan 08 14:07	21°♁25'29 0.67593 AU		retrograde	6274 Dec 12 17:51	12°♁52'53	
inferior conj	6274 Jan 09 15:46	20°♁01'24 0°36'49		evening set	6274 Dec 18 23:30	10°♁20'02	
minimum elong	6274 Jan 09 14:53	20°♁04'19 0°36'29		min. Earth dist.	6274 Dec 23 04:46	5°♁52'34 0.66726 AU	
morning rise	6274 Jan 15 04:03	14°♁03'46		inferior conj	6274 Dec 24 17:46	3°♁58'20 -0°19'31	
direct	6274 Jan 18 17:50	12°♁50'16		minimum elong	6274 Dec 24 18:17	3°♁56'44 0°19'16	
morning max el	6274 Jan 26 00:28	16°♁54'32 19°36'43		asc. node	6274 Dec 25 16:47	2°♁47'54	
	6274 Feb 05 06:39	0°♁			6274 Dec 28 05:42	30°♁♁	
greatest brilliancy	6274 Feb 07 22:50	3°♁54'41 -0.7m		morning rise	6274 Dec 30 13:41	28°♁10'08	
desc. node	6274 Feb 12 13:13	10°♁48'23		direct	6275 Jan 02 16:28	27°♁14'53	
morning set	6274 Feb 20 07:42	22°♁41'35			6275 Jan 08 10:17	0°♁	
	6274 Feb 25 00:55	0°♁		morning max el	6275 Jan 09 09:52	0°♁55'28 18°44'58	
max. Earth dist.	6274 Mar 04 11:52	11°♁42'10 1.44534 AU			6275 Jan 29 15:55	0°♁	
				desc. node	6275 Jan 30 10:15	1°♁12'01	
superior conj	6274 Mar 08 21:19	18°♁42'56 -2°05'24		morning set	6275 Jan 30 20:25	1°♁51'56	
minimum elong	6274 Mar 08 16:36	18°♁24'01 2°05'13		max. Earth dist.	6275 Feb 15 05:30	25°♁58'24 1.45295 AU	
	6274 Mar 15 19:35	0°♁					
evening rise	6274 Mar 22 16:02	11°♁26'11		superior conj	6275 Feb 16 05:16	27°♁31'37 -1°41'28	
	6274 Apr 02 21:07	0°♁		minimum elong	6275 Feb 15 19:52	26°♁54'47 1°40'36	
asc. node	6274 Apr 05 18:57	4°♁19'27			6275 Feb 17 19:02	0°♁	
evening max el	6274 Apr 10 06:12	9°♁47'28 18°15'50		evening rise	6275 Mar 03 14:50	21°♁58'18	
retrograde	6274 Apr 16 15:48	13°♁12'17			6275 Mar 08 14:33	0°♁	
evening set	6274 Apr 19 14:58	12°♁25'17		greatest brilliancy	6275 Mar 10 16:06	3°♁18'39 -0.9m	
inferior conj	6274 Apr 25 14:34	7°♁03'46 3°23'14		asc. node	6275 Mar 23 15:59	22°♁08'40	
minimum elong	6274 Apr 25 15:49	7°♁00'14 3°23'05		evening max el	6275 Mar 24 17:35	23°♁16'53 18°43'40	
min. Earth dist.	6274 Apr 28 03:01	4°♁15'03 0.63609 AU		retrograde	6275 Mar 31 09:00	26°♁57'37	
morning rise	6274 May 01 15:36	0°♁53'33		evening set	6275 Apr 03 14:53	25°♁57'24	
	6274 May 02 21:18	30°♁♁		inferior conj	6275 Apr 09 06:30	20°♁18'36 3°29'18	
direct	6274 May 08 11:04	28°♁12'40		minimum elong	6275 Apr 09 06:17	20°♁19'15 3°29'17	
desc. node	6274 May 11 12:30	28°♁41'29		min. Earth dist.	6275 Apr 11 03:28	18°♁00'43 0.65368 AU	
	6274 May 14 12:54	0°♁		morning rise	6275 Apr 14 21:09	14°♁03'38	
morning max el	6274 May 22 07:29	6°♁12'39 27°42'08		direct	6275 Apr 21 11:13	11°♁14'52	
	6274 Jun 09 09:56	0°♁		desc. node	6275 Apr 28 09:32	13°♁42'27	
morning set	6274 Jun 26 01:05	29°♁33'10		morning max el	6275 May 04 17:48	19°♁04'38 26°57'47	
	6274 Jun 26 06:28	0°♁			6275 May 14 00:04	0°♁	
max. Earth dist.	6274 Jul 01 02:55	9°♁58'34 1.32828 AU			6275 Jun 02 10:12	0°♁	
asc. node	6274 Jul 02 18:12	13°♁27'09		morning set	6275 Jun 09 11:17	12°♁56'41	
				max. Earth dist.	6275 Jun 13 20:32	21°♁34'46 1.34021 AU	
superior conj	6274 Jul 03 21:32	15°♁53'37 0°11'44					
minimum elong	6274 Jul 03 20:57	15°♁50'33 0°11'35		superior conj	6275 Jun 17 23:06	0°♁01'39 -0°17'06	
behind sun begin	6274 Jul 03 17:15	15°♁30'39		minimum elong	6275 Jun 18 00:01	0°♁06'28 0°16'57	
behind sun end	6274 Jul 04 00:39	16°♁10'28			6275 Jun 17 22:47	0°♁	
	6274 Jul 10 10:20	0°♁		asc. node	6275 Jun 19 15:14	3°♁32'34	
evening rise	6274 Jul 10 21:58	1°♁01'56		evening rise	6275 Jun 25 08:20	15°♁37'22	
	6274 Jul 27 00:01	0°♁			6275 Jul 02 14:09	0°♁	
evening max el	6274 Aug 02 15:38	7°♁50'59 23°06'14		evening max el	6275 Jul 15 08:51	18°♁16'22 21°31'24	
desc. node	6274 Aug 07 11:45	11°♁46'05		desc. node	6275 Jul 25 08:47	24°♁09'04	
retrograde	6274 Aug 16 01:00	14°♁32'44		retrograde	6275 Jul 27 15:51	24°♁21'38	
evening set	6274 Aug 19 20:10	14°♁01'11		evening set	6275 Jul 30 03:44	24°♁07'24	
min. Earth dist.	6274 Aug 27 00:27	10°♁45'40 0.55470 AU		inferior conj	6275 Aug 08 11:04	20°♁07'37 -3°56'03	
inferior conj	6274 Aug 28 16:33	9°♁47'30 -5°06'24		minimum elong	6275 Aug 08 01:56	20°♁20'24 3°53'33	
minimum elong	6274 Aug 28 10:45	9°♁55'58 5°05'38		min. Earth dist.	6275 Aug 08 10:02	20°♁09'03 0.54775 AU	
morning rise	6274 Sep 06 03:33	5°♁56'44		morning rise	6275 Aug 17 01:12	16°♁15'34	
direct	6274 Sep 09 03:15	5°♁35'34		direct	6275 Aug 20 12:43	15°♁49'19	
morning max el	6274 Sep 20 00:10	10°♁39'23 20°36'29		morning max el	6275 Sep 01 23:03	21°♁41'02 22°09'56	
asc. node	6274 Sep 28 17:32	21°♁48'39			6275 Sep 09 01:33	0°♁	
	6274 Oct 03 09:58	0°♁		asc. node	6275 Sep 15 14:34	10°♁30'06	
morning set	6274 Oct 08 23:59	11°♁03'53		morning set	6275 Sep 23 10:05	25°♁52'27	
					6275 Sep 25 08:57	0°♁	
superior conj	6274 Oct 16 11:56	26°♁33'17 1°41'04					
minimum elong	6274 Oct 16 12:56	26°♁38'23 1°41'03		superior conj	6275 Sep 30 13:26	11°♁02'02 1°42'27	
	6274 Oct 18 04:47	0°♁		minimum elong	6275 Sep 30 13:03	11°♁00'02 1°42'27	
max. Earth dist.	6274 Oct 21 13:04	6°♁36'31 1.36099 AU		max. Earth dist.	6275 Oct 04 03:35	18°♁30'17 1.34407 AU	

evening rise	6275 Oct 08 15:40	27° Ω 28'56		minimum elong	6276 Sep 13 19:09	25° Π 38'46	1°37'18
	6275 Oct 09 23:09	0° Π			6276 Sep 15 19:40	0° Ω	
desc. node	6275 Oct 21 08:01	19° Π 57'33		max. Earth dist.	6276 Sep 16 02:50	0° Ω 38'23	1.33127 AU
	6275 Oct 27 21:24	0° \mathcal{A}		evening rise	6276 Sep 21 07:45	11° Ω 27'22	
evening max el	6275 Nov 12 14:55	19° \mathcal{A} 19'30	26°59'36		6276 Oct 01 05:43	0° Π	
retrograde	6275 Nov 25 20:49	26° \mathcal{A} 38'03		desc. node	6276 Oct 07 05:03	9° Π 47'25	
evening set	6275 Dec 02 14:00	23° \mathcal{A} 59'29			6276 Oct 22 11:49	0° \mathcal{A}	
min. Earth dist.	6275 Dec 06 12:59	20° \mathcal{A} 06'57	0.65505 AU	evening max el	6276 Oct 25 02:54	2° \mathcal{A} 38'45	27°25'41
inferior conj	6275 Dec 08 13:42	17° \mathcal{A} 47'53	-1°21'12	retrograde	6276 Nov 07 17:39	9° \mathcal{A} 57'07	
minimum elong	6275 Dec 08 16:03	17° \mathcal{A} 41'10	1°20'10	evening set	6276 Nov 14 18:53	7° \mathcal{A} 20'56	
asc. node	6275 Dec 12 13:50	13° \mathcal{A} 40'52		min. Earth dist.	6276 Nov 18 12:45	4° \mathcal{A} 01'15	0.63951 AU
morning rise	6275 Dec 14 19:11	12° \mathcal{A} 11'40		inferior conj	6276 Nov 21 01:08	1° \mathcal{A} 24'55	-2°26'17
direct	6275 Dec 17 12:58	11° \mathcal{A} 30'55		minimum elong	6276 Nov 21 05:31	1° \mathcal{A} 13'32	2°24'33
morning max el	6275 Dec 24 00:27	14° \mathcal{A} 58'48	18°09'36		6276 Nov 22 10:27	30° $\mathcal{R}\Pi$	
	6276 Jan 03 21:19	0° \mathcal{B}		morning rise	6276 Nov 27 17:43	26° Π 03'33	
morning set	6276 Jan 11 13:57	12° \mathcal{B} 29'22		asc. node	6276 Nov 28 10:53	25° Π 48'38	
desc. node	6276 Jan 17 07:16	21° \mathcal{B} 46'48		direct	6276 Nov 30 04:51	25° Π 33'18	
	6276 Jan 22 10:24	0° \approx		morning max el	6276 Dec 06 17:25	28° Π 57'47	17°51'17
					6276 Dec 07 17:08	0° \mathcal{A}	
superior conj	6276 Jan 26 10:12	6° \approx 19'20	-1°01'14	morning set	6276 Dec 23 11:18	24° \mathcal{A} 28'10	
minimum elong	6276 Jan 26 02:51	5° \approx 50'23	1°00'15		6276 Dec 26 17:08	0° \mathcal{B}	
max. Earth dist.	6276 Jan 29 00:49	10° \approx 25'33	1.45316 AU	desc. node	6277 Jan 03 04:18	12° \mathcal{B} 29'00	
	6276 Feb 10 14:03	0° \mathcal{H}					
evening rise	6276 Feb 11 15:39	1° \mathcal{H} 39'26		superior conj	6277 Jan 05 07:19	15° \mathcal{B} 57'33	-0°15'03
greatest brilliancy	6276 Feb 24 02:00	20° \mathcal{H} 48'38	-0.7m	minimum elong	6277 Jan 05 05:37	15° \mathcal{B} 50'39	0°14'46
	6276 Mar 01 10:16	0° \mathcal{Y}		behind sun begin	6277 Jan 05 01:37	15° \mathcal{B} 34'19	
evening max el	6276 Mar 07 01:09	6° \mathcal{Y} 50'19	19°28'31	behind sun end	6277 Jan 05 09:38	16° \mathcal{B} 06'57	
asc. node	6276 Mar 09 13:03	9° \mathcal{Y} 04'11		max. Earth dist.	6277 Jan 10 19:14	24° \mathcal{B} 47'31	1.44613 AU
retrograde	6276 Mar 14 06:03	10° \mathcal{Y} 57'47			6277 Jan 14 02:26	0° \approx	
evening set	6276 Mar 17 19:28	9° \mathcal{Y} 43'40		evening rise	6277 Jan 21 03:17	10° \approx 54'58	
inferior conj	6276 Mar 23 06:11	3° \mathcal{Y} 49'37	3°20'44		6277 Feb 02 18:42	0° \mathcal{H}	
minimum elong	6276 Mar 23 04:49	3° \mathcal{Y} 54'07	3°20'36	evening max el	6277 Feb 18 03:37	20° \mathcal{H} 25'41	20°28'19
min. Earth dist.	6276 Mar 24 12:07	2° \mathcal{Y} 11'30	0.66717 AU	asc. node	6277 Feb 24 10:07	24° \mathcal{H} 51'46	
	6276 Mar 26 06:12	30° $\mathcal{R}\mathcal{H}$		retrograde	6277 Feb 26 04:24	25° \mathcal{H} 08'08	
morning rise	6276 Mar 28 13:52	27° \mathcal{H} 33'36		evening set	6277 Mar 02 02:36	23° \mathcal{H} 39'22	
direct	6276 Apr 03 17:46	24° \mathcal{H} 49'09		inferior conj	6277 Mar 07 10:54	17° \mathcal{H} 32'17	3°00'33
	6276 Apr 13 19:35	0° \mathcal{Y}		minimum elong	6277 Mar 07 08:49	17° \mathcal{H} 39'24	3°00'09
desc. node	6276 Apr 14 06:34	0° \mathcal{Y} 24'59		min. Earth dist.	6277 Mar 08 02:57	16° \mathcal{H} 37'25	0.67634 AU
morning max el	6276 Apr 16 03:38	2° \mathcal{Y} 14'09	25°48'21	morning rise	6277 Mar 12 14:48	11° \mathcal{H} 17'34	
	6276 May 07 03:25	0° \mathcal{B}		direct	6277 Mar 18 05:42	8° \mathcal{H} 47'06	
morning set	6276 May 22 07:34	25° \mathcal{B} 36'50		morning max el	6277 Mar 29 12:20	15° \mathcal{H} 31'57	24°23'48
	6276 May 24 16:11	0° Π		desc. node	6277 Apr 01 03:36	18° \mathcal{H} 21'11	
max. Earth dist.	6276 May 26 02:42	2° Π 43'44	1.35673 AU		6277 Apr 10 09:41	0° \mathcal{Y}	
					6277 Apr 30 01:56	0° \mathcal{B}	
superior conj	6276 May 31 16:42	13° Π 42'20	-0°47'31	morning set	6277 May 04 08:38	7° \mathcal{B} 19'00	
minimum elong	6276 May 31 19:25	13° Π 55'58	0°47'03	max. Earth dist.	6277 May 08 00:01	13° \mathcal{B} 47'02	1.37709 AU
asc. node	6276 Jun 05 12:18	23° Π 32'50					
evening rise	6276 Jun 08 15:13	29° Π 58'11		superior conj	6277 May 14 23:02	26° \mathcal{B} 46'56	-1°17'37
	6276 Jun 08 15:35	0° \mathcal{B}		minimum elong	6277 May 15 03:28	27° \mathcal{B} 08'16	1°16'59
evening max el	6276 Jun 26 13:53	29° \mathcal{B} 16'44	20°11'00		6277 May 16 14:53	0° Π	
	6276 Jun 27 08:08	0° Ω		asc. node	6277 May 23 09:20	13° Π 23'24	
retrograde	6276 Jul 07 05:33	4° Ω 30'24		evening rise	6277 May 23 16:10	13° Π 57'14	
evening set	6276 Jul 09 03:38	4° Ω 20'57			6277 Jun 01 05:31	0° \mathcal{B}	
desc. node	6276 Jul 11 05:48	3° Ω 50'33		evening max el	6277 Jun 09 07:32	11° \mathcal{B} 00'08	19°09'57
inferior conj	6276 Jul 18 06:10	0° Ω 22'30	-2°06'04	retrograde	6277 Jun 18 06:28	15° \mathcal{B} 23'48	
minimum elong	6276 Jul 18 00:19	0° Ω 31'11	2°03'57	evening set	6277 Jun 20 05:30	15° \mathcal{B} 12'04	
	6276 Jul 18 21:19	30° $\mathcal{R}\mathcal{B}$		desc. node	6277 Jun 28 02:50	11° \mathcal{B} 21'54	
min. Earth dist.	6276 Jul 19 21:43	29° \mathcal{B} 23'55	0.55034 AU	inferior conj	6277 Jun 28 15:17	11° \mathcal{B} 00'58	-0°09'19
morning rise	6276 Jul 26 19:35	26° \mathcal{B} 08'26		minimum elong	6277 Jun 28 14:53	11° \mathcal{B} 01'39	0°09'12
direct	6276 Jul 30 23:51	25° \mathcal{B} 30'31		transit middle	6277 Jun 28 14:53	11° \mathcal{B} 01'39	0°09'12
	6276 Aug 11 02:08	0° Ω		transit begin	6277 Jun 28 11:45	11° \mathcal{B} 06'55	
morning max el	6276 Aug 13 14:03	2° Ω 09'26	23°53'59	transit end	6277 Jun 28 18:00	10° \mathcal{B} 56'22	
asc. node	6276 Sep 01 11:36	29° Ω 42'34		min. Earth dist.	6277 Jul 01 12:06	9° \mathcal{B} 05'23	0.56215 AU
	6276 Sep 01 15:12	0° Π		morning rise	6277 Jul 06 21:10	6° \mathcal{B} 12'15	
morning set	6276 Sep 06 21:43	10° Π 44'35		direct	6277 Jul 11 22:49	5° \mathcal{B} 12'41	
				morning max el	6277 Jul 26 03:24	12° \mathcal{B} 28'01	25°34'25
superior conj	6276 Sep 13 20:35	25° Π 46'33	1°37'25		6277 Aug 08 18:14	0° Ω	

asc. node	6277 Aug 19 08:38	19°Ω17'03		asc. node	6278 Aug 06 05:40	9°Ω07'10	
morning set	6277 Aug 22 09:11	25°Ω34'11		morning set	6278 Aug 06 18:52	10°Ω16'31	
	6277 Aug 24 10:41	0°൬					
superior conj	6277 Aug 29 07:01	10°൬38'12	1°26'47	superior conj	6278 Aug 13 18:47	25°Ω30'54	1°11'10
minimum elong	6277 Aug 29 04:56	10°൬26'43	1°26'31	minimum elong	6278 Aug 13 16:30	25°Ω18'16	1°10'48
max. Earth dist.	6277 Aug 30 09:16	13°൬02'24	1.32284 AU	max. Earth dist.	6278 Aug 13 19:43	25°Ω36'05	1.31874 AU
evening rise	6277 Sep 05 08:22	25°൬48'44		evening rise	6278 Aug 15 19:27	0°൬	
	6277 Sep 07 09:32	0°Ω			6278 Aug 20 14:49	10°൬24'58	
desc. node	6277 Sep 24 02:04	29°Ω03'57		desc. node	6278 Aug 30 15:52	0°Ω	
	6277 Sep 24 17:28	0°ℒ		evening max el	6278 Sep 10 23:04	17°Ω33'50	
evening max el	6277 Oct 07 11:51	15°ℒ26'40	27°21'32		6278 Sep 19 14:57	27°Ω30'27	26°43'45
retrograde	6277 Oct 21 07:16	22°ℒ40'08			6278 Sep 22 11:47	0°ℒ	
evening set	6277 Oct 28 10:43	20°ℒ16'47		retrograde	6278 Oct 03 12:41	4°ℒ38'52	
min. Earth dist.	6277 Nov 01 02:15	17°ℒ24'25	0.62105 AU	evening set	6278 Oct 10 09:11	2°ℒ39'42	
inferior conj	6277 Nov 04 01:02	14°ℒ41'24	-3°31'27	min. Earth dist.	6278 Oct 14 04:49	0°ℒ03'31	0.60063 AU
minimum elong	6277 Nov 04 07:11	14°ℒ27'13	3°29'26		6278 Oct 14 06:38	30°ℒΩ	
morning rise	6277 Nov 11 05:33	9°ℒ38'16		inferior conj	6278 Oct 17 09:59	27°Ω28'10	-4°30'34
direct	6277 Nov 13 12:55	9°ℒ14'54		minimum elong	6278 Oct 17 16:34	27°Ω14'52	4°29'02
asc. node	6277 Nov 15 07:56	9°ℒ29'27		morning rise	6278 Oct 25 02:03	22°Ω46'43	
morning max el	6277 Nov 20 09:37	12°ℒ44'08	17°50'56	direct	6278 Oct 27 09:04	22°Ω27'08	
	6277 Dec 02 01:38	0°♁		asc. node	6278 Nov 02 04:58	24°Ω40'58	
morning set	6277 Dec 06 06:05	7°♁28'19		morning max el	6278 Nov 03 21:48	26°Ω09'36	18°09'50
					6278 Nov 07 05:31	0°ℒ	
superior conj	6277 Dec 17 06:01	26°♁50'19	0°27'07	morning set	6278 Nov 19 16:10	21°ℒ11'28	
minimum elong	6277 Dec 17 08:26	27°♁00'37	0°26'48		6278 Nov 24 08:50	0°♁	
	6277 Dec 19 02:46	0°♁					
desc. node	6277 Dec 21 01:19	3°♁14'49		superior conj	6278 Nov 29 05:40	8°♁55'18	1°00'14
max. Earth dist.	6277 Dec 24 10:38	8°♁49'13	1.43264 AU	minimum elong	6278 Nov 29 09:25	9°♁12'07	0°59'47
evening rise	6277 Dec 31 16:54	20°♁22'55		max. Earth dist.	6278 Dec 06 21:21	22°♁15'59	1.41426 AU
	6278 Jan 06 23:17	0°≈		desc. node	6278 Dec 07 22:18	24°♁00'48	
	6278 Jan 28 09:27	0°♁		evening rise	6278 Dec 11 22:14	0°♁35'32	
evening max el	6278 Feb 01 00:40	4°♁02'31	21°39'46		6278 Dec 11 13:28	0°♁	
retrograde	6278 Feb 10 02:00	9°♁24'45			6278 Dec 31 11:08	0°≈	
asc. node	6278 Feb 11 07:09	9°♁16'59		evening max el	6279 Jan 14 17:02	17°≈41'04	22°58'14
evening set	6278 Feb 14 10:29	7°♁40'40		retrograde	6279 Jan 24 21:22	23°≈43'20	
inferior conj	6278 Feb 19 18:22	1°♁23'16	2°30'41	asc. node	6279 Jan 29 04:11	22°≈10'02	
minimum elong	6278 Feb 19 16:01	1°♁31'26	2°30'02	evening set	6279 Jan 29 17:30	21°≈43'44	
min. Earth dist.	6278 Feb 19 21:48	1°♁11'20	0.68123 AU	inferior conj	6279 Feb 04 02:37	15°≈19'18	1°52'19
	6278 Feb 20 18:27	30°℞≈		minimum elong	6279 Feb 04 00:28	15°≈26'45	1°51'36
morning rise	6278 Feb 24 21:23	25°≈11'25		min. Earth dist.	6279 Feb 03 18:23	15°≈47'47	0.68211 AU
direct	6278 Mar 01 21:57	23°≈01'08		morning rise	6279 Feb 09 07:22	9°≈11'42	
morning max el	6278 Mar 11 21:56	28°≈56'15	22°54'21	direct	6279 Feb 13 17:34	7°≈24'10	
	6278 Mar 12 22:36	0°♁		morning max el	6279 Feb 22 12:02	12°≈29'40	21°28'46
desc. node	6278 Mar 19 00:37	7°♁10'17		desc. node	6279 Mar 05 21:37	26°≈37'02	
	6278 Apr 04 03:41	0°♁			6279 Mar 08 07:21	0°♁	
morning set	6278 Apr 15 08:41	17°♁48'12		morning set	6279 Mar 26 04:22	26°♁57'44	
max. Earth dist.	6278 Apr 19 20:02	25°♁21'03	1.39925 AU		6279 Mar 28 02:07	0°♁	
	6278 Apr 22 12:16	0°♁		max. Earth dist.	6279 Apr 01 20:58	7°♁46'38	1.42038 AU
superior conj	6278 Apr 27 13:57	9°♁05'27	-1°44'29	superior conj	6279 Apr 09 08:30	20°♁25'18	-2°03'50
minimum elong	6278 Apr 27 19:16	9°♁29'44	1°43'57	minimum elong	6279 Apr 09 12:29	20°♁42'36	2°03'39
evening rise	6278 May 07 08:05	27°♁26'45			6279 Apr 14 18:56	0°♁	
	6278 May 08 16:17	0°♁		evening rise	6279 Apr 20 11:05	10°♁16'31	
asc. node	6278 May 10 06:22	2°♁59'50		asc. node	6279 Apr 27 03:23	22°♁16'00	
evening max el	6278 May 23 11:07	23°♁22'21	18°29'25		6279 May 01 21:41	0°♁	
retrograde	6278 May 31 02:19	27°♁09'34		evening max el	6279 May 06 20:58	6°♁13'44	18°09'02
evening set	6278 Jun 02 07:45	26°♁51'13		retrograde	6279 May 13 16:18	9°♁40'40	
inferior conj	6278 Jun 09 21:28	22°♁20'26	1°26'46	evening set	6279 May 16 04:49	9°♁12'43	
minimum elong	6278 Jun 10 00:17	22°♁14'52	1°25'48	inferior conj	6279 May 23 00:38	4°♁21'26	2°32'55
min. Earth dist.	6278 Jun 13 06:48	19°♁40'43	0.58068 AU	minimum elong	6279 May 23 03:52	4°♁13'57	2°32'05
desc. node	6278 Jun 14 23:51	18°♁27'32		min. Earth dist.	6279 May 26 08:09	1°♁19'23	0.60247 AU
morning rise	6278 Jun 17 13:32	16°♁56'48			6279 May 27 22:19	30°℞♁	
direct	6278 Jun 23 11:44	15°♁26'44		morning rise	6279 May 30 00:22	28°♁31'36	
morning max el	6278 Jul 07 21:01	23°♁06'25	26°54'52	desc. node	6279 Jun 01 20:53	27°♁07'21	
	6278 Jul 14 01:00	0°♁		direct	6279 Jun 05 13:15	26°♁28'17	
	6278 Aug 01 17:29	0°Ω			6279 Jun 14 18:25	0°♁	
				morning max el	6279 Jun 19 21:19	4°♁23'27	27°42'52

	6279 Jul 08 19:56	0°☿			6280 Jun 30 12:22	0°☿		
morning set	6279 Jul 22 01:01	24°☿46'09		morning set	6280 Jul 05 01:33	8°☿56'32		
asc. node	6279 Jul 24 02:41	29°☿07'23		asc. node	6280 Jul 09 23:41	19°☿12'58		
	6279 Jul 24 12:32	0°♌		max. Earth dist.	6280 Jul 10 13:12	20°☿25'30	1.32347 AU	
max. Earth dist.	6279 Jul 28 06:22	8°♌08'02	1.31890 AU					
				superior conj	6280 Jul 12 15:16	24°☿56'29	0°27'07	
superior conj	6279 Jul 29 06:08	10°♌18'56	0°51'07	minimum elong	6280 Jul 12 14:02	24°☿49'46	0°26'50	
minimum elong	6279 Jul 29 04:08	10°♌07'54	0°50'43		6280 Jul 14 22:51	0°♌		
evening rise	6279 Aug 05 00:52	25°♌09'06		evening rise	6280 Jul 19 12:31	9°♌54'40		
	6279 Aug 07 08:12	0°♍			6280 Jul 29 19:06	0°♍		
	6279 Aug 24 19:40	0°♎		evening max el	6280 Aug 12 23:08	19°♍16'12	24°02'59	
desc. node	6279 Aug 28 20:05	4°♎58'29		desc. node	6280 Aug 14 17:07	20°♍51'48		
evening max el	6279 Sep 01 10:10	8°♎44'00	25°34'26	retrograde	6280 Aug 26 17:05	26°♍10'41		
retrograde	6279 Sep 15 08:39	15°♎48'22		evening set	6280 Aug 31 09:18	25°♍22'24		
evening set	6279 Sep 21 09:30	14°♎23'22		min. Earth dist.	6280 Sep 06 09:45	22°♍24'51	0.56229 AU	
min. Earth dist.	6279 Sep 25 22:07	11°♎45'56	0.58007 AU	inferior conj	6280 Sep 08 18:55	20°♍56'57	-5°22'36	
inferior conj	6279 Sep 29 00:35	9°♎35'46	-5°12'59	minimum elong	6280 Sep 08 17:04	20°♍59'48	5°22'31	
minimum elong	6279 Sep 29 04:44	9°♎28'29	5°12'31	morning rise	6280 Sep 17 03:14	16°♍58'45		
morning rise	6279 Oct 07 02:17	5°♎17'39		direct	6280 Sep 19 20:58	16°♍39'21		
direct	6279 Oct 09 12:43	4°♎59'19		morning max el	6280 Sep 29 20:30	21°♍19'26	19°51'08	
morning max el	6279 Oct 18 02:31	9°♎04'56	18°49'31	asc. node	6280 Oct 05 23:00	28°♍41'45		
asc. node	6279 Oct 20 01:59	11°♎10'25			6280 Oct 06 19:55	0°♎		
	6279 Oct 31 18:01	0°♏		morning set	6280 Oct 17 16:47	19°♎56'47		
morning set	6279 Nov 03 12:54	5°♏24'33			6280 Oct 22 15:22	0°♏		
superior conj	6279 Nov 12 01:26	21°♏58'55	1°23'16	superior conj	6280 Oct 25 11:58	5°♏44'48	1°36'57	
minimum elong	6279 Nov 12 04:38	22°♏14'05	1°22'58	minimum elong	6280 Oct 25 13:49	5°♏54'03	1°36'51	
	6279 Nov 16 08:51	0°♐		max. Earth dist.	6280 Oct 31 08:39	17°♏05'33	1.37222 AU	
max. Earth dist.	6279 Nov 19 03:27	4°♐59'13	1.39326 AU	evening rise	6280 Nov 04 03:10	24°♏00'48		
evening rise	6279 Nov 23 01:50	11°♐48'54			6280 Nov 07 12:52	0°♐		
desc. node	6279 Nov 24 19:19	14°♐43'52		desc. node	6280 Nov 10 16:21	5°♐19'13		
	6279 Dec 04 08:52	0°♑			6280 Nov 27 01:30	0°♑		
	6279 Dec 26 21:57	0°♒		evening max el	6280 Dec 09 19:22	15°♑08'30	25°31'59	
evening max el	6279 Dec 28 06:35	1°♒23'24	24°17'51	retrograde	6280 Dec 22 00:49	22°♑10'00		
retrograde	6280 Jan 08 13:19	8°♒00'23		evening set	6280 Dec 27 22:50	19°♑43'07		
evening set	6280 Jan 13 22:10	5°♒46'05		min. Earth dist.	6281 Jan 01 08:00	14°♑55'14	0.67267 AU	
asc. node	6280 Jan 16 01:12	3°♒37'41		asc. node	6281 Jan 01 22:15	14°♑09'42		
min. Earth dist.	6280 Jan 18 14:34	0°♒23'50	0.67922 AU	inferior conj	6281 Jan 02 14:26	13°♑17'41	0°13'39	
	6280 Jan 18 21:40	30°♒♊		minimum elong	6281 Jan 02 14:05	13°♑18'49	0°13'32	
inferior conj	6280 Jan 19 09:56	29°♑18'43	1°06'25	transit middle	6281 Jan 02 14:05	13°♑18'49	0°13'32	
minimum elong	6280 Jan 19 08:26	29°♑23'44	1°05'51	transit begin	6281 Jan 02 12:33	13°♑23'43		
morning rise	6280 Jan 24 18:48	23°♑16'51		transit end	6281 Jan 02 15:36	13°♑13'54		
direct	6280 Jan 28 15:32	21°♑51'41		morning rise	6281 Jan 08 05:42	7°♑23'35		
morning max el	6280 Feb 05 09:27	26°♑15'23	20°13'35	direct	6281 Jan 11 14:30	6°♑18'21		
	6280 Feb 08 18:30	0°♒		morning max el	6281 Jan 18 14:44	10°♑11'31	19°12'39	
desc. node	6280 Feb 20 18:38	16°♒31'38		greatest brilliancy	6281 Feb 01 02:25	28°♑17'11	-0.7m	
	6280 Feb 29 17:30	0°♓			6281 Feb 02 05:34	0°♓		
morning set	6280 Mar 04 03:19	5°♓14'24		desc. node	6281 Feb 06 15:40	6°♓46'12		
max. Earth dist.	6280 Mar 14 04:52	21°♓03'43	1.43780 AU	morning set	6281 Feb 11 04:04	13°♓45'07		
	6280 Mar 19 17:06	0°♈			6281 Feb 21 14:27	0°♈		
				max. Earth dist.	6281 Feb 24 19:15	5°♈01'37	1.44944 AU	
superior conj	6280 Mar 20 02:33	0°♈38'51	-2°10'01	superior conj	6281 Feb 27 20:28	9°♈50'58	-1°57'40	
minimum elong	6280 Mar 20 01:44	0°♈35'30	2°10'01	minimum elong	6281 Feb 27 13:09	9°♈21'55	1°57'13	
evening rise	6280 Apr 01 20:47	22°♈17'11			6281 Mar 12 08:02	0°♈		
	6280 Apr 06 07:37	0°♉		evening rise	6281 Mar 14 08:56	3°♈21'20		
asc. node	6280 Apr 13 00:25	11°♉05'18		asc. node	6281 Mar 30 21:27	29°♈19'22		
evening max el	6280 Apr 19 09:43	19°♉25'35	18°08'01		6281 Mar 31 10:14	0°♉		
retrograde	6280 Apr 25 20:09	22°♉47'19		evening max el	6281 Apr 02 22:21	2°♉50'28	18°25'37	
evening set	6280 Apr 28 15:25	22°♉07'46		retrograde	6281 Apr 09 09:27	6°♉20'30		
inferior conj	6280 May 04 21:16	16°♉57'05	3°11'24	evening set	6281 Apr 12 11:24	5°♉28'03		
minimum elong	6280 May 04 23:24	16°♉51'28	3°11'04	inferior conj	6281 Apr 18 07:13	29°♈59'18	3°27'48	
min. Earth dist.	6280 May 07 18:06	13°♉57'05	0.62438 AU	minimum elong	6281 Apr 18 07:50	29°♈57'30	3°27'46	
morning rise	6280 May 11 05:46	10°♉51'46			6281 Apr 18 06:58	30°♈♈		
direct	6280 May 18 01:12	8°♉21'01		min. Earth dist.	6281 Apr 20 13:16	27°♈21'50	0.64401 AU	
desc. node	6280 May 18 17:55	8°♉22'30		morning rise	6281 Apr 24 03:24	23°♈46'33		
morning max el	6280 Jun 01 03:20	16°♉22'50	27°53'00	direct	6281 Apr 30 21:27	21°♈00'20		
	6280 Jun 12 08:24	0°♊						

desc. node	6281 May 05 14:58	22°♿09'26		inferior conj	6282 Apr 02 02:47	13°♿21'09	3°27'15
morning max el	6281 May 14 12:38	28°♿57'58	27°26'55	minimum elong	6282 Apr 02 02:02	13°♿23'31	3°27'11
	6281 May 15 12:43	0°♿		min. Earth dist.	6282 Apr 03 17:14	11°♿19'34	0.65997 AU
	6281 Jun 06 05:07	0°♿		morning rise	6282 Apr 07 14:05	7°♿05'40	
morning set	6281 Jun 18 17:56	22°♿39'58		direct	6282 Apr 14 00:26	4°♿17'22	
	6281 Jun 22 09:40	0°♿		desc. node	6282 Apr 22 12:01	7°♿57'17	
max. Earth dist.	6281 Jun 23 12:26	2°♿17'55	1.33267 AU	morning max el	6282 Apr 26 22:43	11°♿57'45	26°30'47
					6282 May 11 08:50	0°♿	
superior conj	6281 Jun 26 20:17	9°♿17'35	-0°00'11		6282 May 29 19:56	0°♿	
minimum elong	6281 Jun 26 20:18	9°♿17'39	0°00'14	morning set	6282 Jun 01 22:42	5°♿45'52	
behind sun begin	6281 Jun 26 14:51	8°♿48'43		max. Earth dist.	6282 Jun 06 01:06	13°♿40'35	1.34668 AU
behind sun end	6281 Jun 27 01:44	9°♿46'37					
asc. node	6281 Jun 26 20:43	9°♿19'53		superior conj	6282 Jun 10 18:47	23°♿14'42	-0°29'53
evening rise	6281 Jul 03 23:55	24°♿35'46		minimum elong	6282 Jun 10 20:27	23°♿23'14	0°29'36
	6281 Jul 06 14:11	0°♿		asc. node	6282 Jun 13 17:44	29°♿23'25	
evening max el	6281 Jul 25 12:34	29°♿35'10	22°24'55		6282 Jun 14 00:44	0°♿	
	6281 Jul 25 22:53	0°♿		evening rise	6282 Jun 18 09:02	9°♿05'32	
desc. node	6281 Aug 01 14:09	4°♿41'34			6282 Jun 29 12:22	0°♿	
retrograde	6281 Aug 07 12:53	6°♿03'28		evening max el	6282 Jul 07 10:21	10°♿12'45	20°55'04
evening set	6281 Aug 10 16:57	5°♿41'22		retrograde	6282 Jul 19 01:12	15°♿56'32	
min. Earth dist.	6281 Aug 18 19:21	2°♿09'31	0.55065 AU	desc. node	6282 Jul 19 11:13	15°♿56'06	
inferior conj	6281 Aug 19 19:41	1°♿35'06	-4°43'00	evening set	6282 Jul 21 05:14	15°♿45'21	
minimum elong	6281 Aug 19 11:40	1°♿46'27	4°41'26	inferior conj	6282 Jul 30 12:28	11°♿48'10	-3°12'33
	6281 Aug 22 16:49	30°♿		minimum elong	6282 Jul 30 04:04	12°♿00'03	3°09'50
morning rise	6281 Aug 28 08:12	27°♿45'51		min. Earth dist.	6282 Jul 31 05:20	11°♿24'18	0.54768 AU
direct	6281 Aug 31 12:34	27°♿22'54		morning rise	6282 Aug 08 03:01	7°♿49'26	
	6281 Sep 08 13:36	0°♿		direct	6282 Aug 11 21:16	7°♿19'06	
morning max el	6281 Sep 12 01:58	2°♿47'04	21°14'04	morning max el	6282 Aug 24 20:34	13°♿31'03	22°53'35
asc. node	6281 Sep 22 20:03	17°♿01'20			6282 Sep 06 08:34	0°♿	
	6281 Sep 29 18:21	0°♿		asc. node	6282 Sep 09 17:06	5°♿56'56	
morning set	6281 Oct 02 01:15	4°♿41'20		morning set	6282 Sep 16 12:14	19°♿32'03	
					6282 Sep 21 09:35	0°♿	
superior conj	6281 Oct 09 09:00	20°♿00'51	1°42'29				
minimum elong	6281 Oct 09 09:23	20°♿02'52	1°42'29	superior conj	6282 Sep 23 13:12	4°♿36'58	1°41'02
max. Earth dist.	6281 Oct 13 18:53	28°♿58'42	1.35343 AU	minimum elong	6282 Sep 23 12:19	4°♿32'18	1°41'00
	6281 Oct 14 07:16	0°♿		max. Earth dist.	6282 Sep 26 13:25	10°♿58'42	1.33816 AU
evening rise	6281 Oct 17 22:44	7°♿02'25		evening rise	6282 Oct 01 08:21	20°♿42'36	
desc. node	6281 Oct 28 13:22	25°♿42'00			6282 Oct 06 05:24	0°♿	
	6281 Oct 31 05:43	0°♿		desc. node	6282 Oct 15 10:24	15°♿46'12	
evening max el	6281 Nov 22 08:27	28°♿51'38	26°33'09		6282 Oct 25 04:05	0°♿	
	6281 Nov 23 13:39	0°♿		evening max el	6282 Nov 04 21:16	12°♿23'10	27°14'01
retrograde	6281 Dec 05 06:58	6°♿06'05		retrograde	6282 Nov 18 07:10	19°♿41'30	
evening set	6281 Dec 11 17:40	3°♿30'22		evening set	6282 Nov 25 04:27	17°♿02'58	
	6281 Dec 15 05:44	30°♿		min. Earth dist.	6282 Nov 29 01:10	13°♿24'51	0.64891 AU
min. Earth dist.	6281 Dec 15 20:20	29°♿17'32	0.66254 AU	inferior conj	6282 Dec 01 06:50	10°♿57'38	-1°48'30
inferior conj	6281 Dec 17 14:09	27°♿12'18	-0°45'07	minimum elong	6282 Dec 01 10:02	10°♿48'50	1°47'08
minimum elong	6281 Dec 17 15:24	27°♿08'32	0°44'32	asc. node	6282 Dec 06 16:23	6°♿00'01	
asc. node	6281 Dec 19 19:19	24°♿38'52		morning rise	6282 Dec 07 16:52	5°♿27'17	
morning rise	6281 Dec 23 13:53	21°♿28'31		direct	6282 Dec 10 07:38	4°♿51'19	
direct	6281 Dec 26 12:37	20°♿39'49		morning max el	6282 Dec 16 18:31	8°♿16'19	17°59'38
morning max el	6282 Jan 02 02:33	24°♿13'47	18°27'45		6282 Dec 31 13:45	0°♿	
	6282 Jan 06 21:54	0°♿		morning set	6283 Jan 03 10:35	4°♿46'22	
morning set	6282 Jan 22 04:30	23°♿31'22		desc. node	6283 Jan 11 09:41	17°♿53'38	
desc. node	6282 Jan 24 12:41	27°♿15'00					
	6282 Jan 26 06:14	0°♿		superior conj	6283 Jan 17 10:29	27°♿36'26	-0°41'40
				minimum elong	6283 Jan 17 05:28	27°♿16'27	0°40'56
superior conj	6282 Feb 07 00:36	18°♿32'12	-1°25'51		6283 Jan 18 22:36	0°♿	
minimum elong	6282 Feb 06 15:15	17°♿55'34	1°24'49	max. Earth dist.	6283 Jan 21 09:58	3°♿54'34	1.45109 AU
max. Earth dist.	6282 Feb 07 14:03	19°♿24'55	1.45402 AU	evening rise	6283 Feb 02 15:35	22°♿56'48	
	6282 Feb 14 08:09	0°♿			6283 Feb 07 05:45	0°♿	
evening rise	6282 Feb 22 21:48	13°♿29'34		greatest brilliancy	6283 Feb 16 18:01	14°♿22'10	-0.6m
greatest brilliancy	6282 Mar 04 13:14	28°♿41'52	-0.8m	evening max el	6283 Feb 28 13:57	29°♿57'07	19°52'15
	6282 Mar 05 09:22	0°♿			6283 Feb 28 15:04	0°♿	
evening max el	6282 Mar 17 08:24	16°♿22'15	19°00'51	asc. node	6283 Mar 04 15:35	3°♿16'22	
asc. node	6282 Mar 17 18:30	16°♿47'22		retrograde	6283 Mar 08 02:27	4°♿18'27	
retrograde	6282 Mar 24 04:31	20°♿12'43		evening set	6283 Mar 11 19:31	2°♿57'57	
evening set	6282 Mar 27 13:35	19°♿06'33			6283 Mar 14 20:16	30°♿	

inferior conj	6283 Mar 17 04:55	26°  57'53	3°13'28	retrograde	6284 Feb 20 00:49	18°  32'02	
minimum elong	6283 Mar 17 03:11	27°  03'40	3°13'12	evening set	6284 Feb 24 03:10	16°  56'45	
min. Earth dist.	6283 Mar 18 04:41	25°  38'22	0.67163 AU	inferior conj	6284 Feb 29 11:03	10°  44'37	2°48'58
morning rise	6283 Mar 22 10:38	20°  42'21		minimum elong	6284 Feb 29 08:48	10°  52'24	2°48'27
direct	6283 Mar 28 09:12	18°  03'11		min. Earth dist.	6284 Feb 29 21:32	10°  08'25	0.67893 AU
desc. node	6283 Apr 09 09:01	25°  14'29		morning rise	6284 Mar 05 14:14	4°  30'49	
morning max el	6283 Apr 09 08:06	25°  12'09	25°13'40	direct	6284 Mar 10 22:58	2°  08'39	
	6283 Apr 13 16:41	0°  Υ		morning max el	6284 Mar 21 17:01	8°  33'27	23°45'43
	6283 May 04 20:42	0°  Ϸ		desc. node	6284 Mar 26 06:01	13°  35'20	
morning set	6283 May 15 11:26	18°  02'49			6284 Apr 07 12:42	0°  Υ	
max. Earth dist.	6283 May 19 03:17	24°  04'50	1.36508 AU	morning set	6284 Apr 26 02:32	29°  15'47	
	6283 May 21 21:47	0°  Π			6284 Apr 26 12:53	0°  Ϸ	
				max. Earth dist.	6284 Apr 29 23:05	5°  57'32	1.38645 AU
superior conj	6283 May 25 07:59	6°  Π40'46	-1°00'28	superior conj	6284 May 07 08:15	19°  02'64	-1°29'40
minimum elong	6283 May 25 11:28	6°  Π58'00	0°59'54	minimum elong	6284 May 07 13:13	19°  05'08	1°29'00
asc. node	6283 May 31 14:46	19°  Π20'00			6284 May 12 20:08	0°  Π	
evening rise	6283 Jun 02 13:43	23°  Π17'57		evening rise	6284 May 16 11:13	7°  Π05'29	
	6283 Jun 05 22:29	0°  Ϸ		asc. node	6284 May 17 11:49	9°  Π05'17	
evening max el	6283 Jun 19 20:42	21°  Ϸ30'01	19°42'25		6284 May 29 17:10	0°  Ϸ	
retrograde	6283 Jun 29 18:27	26°  Ϸ21'46		evening max el	6284 Jun 01 18:56	3°  Ϸ30'43	18°50'12
evening set	6283 Jul 01 15:45	26°  Ϸ11'57		retrograde	6284 Jun 10 03:16	7°  Ϸ37'16	
desc. node	6283 Jul 06 08:15	24°  Ϸ33'24		evening set	6284 Jun 12 04:30	7°  Ϸ23'19	
inferior conj	6283 Jul 10 12:01	22°  Ϸ09'00	-1°15'18	inferior conj	6284 Jun 20 05:45	3°  Ϸ04'22	0°34'56
minimum elong	6283 Jul 10 08:33	22°  Ϸ14'23	1°14'01	minimum elong	6284 Jun 20 07:06	3°  Ϸ01'56	0°34'24
min. Earth dist.	6283 Jul 12 17:43	20°  Ϸ45'32	0.55434 AU	desc. node	6284 Jun 22 05:15	1°  Ϸ38'13	
morning rise	6283 Jul 18 23:10	17°  Ϸ41'10		min. Earth dist.	6284 Jun 23 09:57	0°  Ϸ47'33	0.56933 AU
direct	6283 Jul 23 11:59	16°  Ϸ55'38			6284 Jun 24 14:19	30°  ϷΠ	
morning max el	6283 Aug 06 10:02	23°  Ϸ51'06	24°38'19	morning rise	6284 Jun 28 06:16	27°  Π59'40	
	6283 Aug 12 00:13	0°  Ω		direct	6284 Jul 03 16:54	26°  Π47'57	
asc. node	6283 Aug 27 14:06	25°  Ω19'15			6284 Jul 12 20:21	0°  Ϸ	
	6283 Aug 29 21:39	0°  Π		morning max el	6284 Jul 18 00:52	4°  Ϸ15'55	26°12'06
morning set	6283 Aug 31 23:58	4°  Π23'28			6284 Aug 05 15:19	0°  Ω	
superior conj	6283 Sep 07 21:57	19°  Π24'53	1°33'32	asc. node	6284 Aug 13 11:06	15°  Ω01'17	
minimum elong	6283 Sep 07 20:11	19°  Π15'15	1°33'23	morning set	6284 Aug 15 10:52	19°  Ω11'00	
max. Earth dist.	6283 Sep 09 16:04	23°  Π13'46	1.32710 AU		6284 Aug 20 10:25	0°  Π	
	6283 Sep 12 20:10	0°  Ω		superior conj	6284 Aug 22 09:11	4°  Π18'14	1°20'44
evening rise	6283 Sep 15 04:21	4°  Ω51'08		minimum elong	6284 Aug 22 06:57	4°  Π05'57	1°20'26
	6283 Sep 28 21:12	0°  Π		max. Earth dist.	6284 Aug 23 00:28	5°  Π42'37	1.32045 AU
desc. node	6283 Oct 02 07:26	5°  Π23'22		evening rise	6284 Aug 29 07:44	19°  Π19'56	
evening max el	6283 Oct 18 08:06	25°  Π30'07	27°27'52		6284 Sep 03 14:56	0°  Ω	
	6283 Oct 23 22:39	0°  Ϸ		desc. node	6284 Sep 18 04:27	24°  Ω22'34	
retrograde	6283 Nov 01 00:58	2°  Ϸ46'49			6284 Sep 22 09:15	0°  Π	
evening set	6283 Nov 08 04:15	0°  Ϸ14'22		evening max el	6284 Sep 29 14:41	8°  Π00'24	27°09'40
	6283 Nov 08 12:13	30°  ϷΠ		retrograde	6284 Oct 13 11:37	15°  Π12'40	
min. Earth dist.	6283 Nov 11 20:29	27°  Π07'42	0.63199 AU	evening set	6284 Oct 20 13:22	12°  Π57'54	
inferior conj	6283 Nov 14 13:44	24°  Π26'48	-2°54'11	min. Earth dist.	6284 Oct 24 05:20	10°  Π14'17	0.61245 AU
minimum elong	6283 Nov 14 18:57	24°  Π13'55	2°52'15	inferior conj	6284 Oct 27 07:43	7°  Π32'10	-3°57'47
morning rise	6283 Nov 21 11:22	19°  Π13'06		minimum elong	6284 Oct 27 14:17	7°  Π17'48	3°55'52
direct	6283 Nov 23 20:35	18°  Π46'11		morning rise	6284 Nov 03 17:18	2°  Π38'11	
asc. node	6283 Nov 23 13:26	18°  Π46'37		direct	6284 Nov 05 23:55	2°  Π16'55	
morning max el	6283 Nov 30 11:37	22°  Π11'22	17°48'55	asc. node	6284 Nov 09 10:26	3°  Π07'30	
	6283 Dec 06 12:38	0°  Ϸ		morning max el	6284 Nov 13 02:36	5°  Π50'53	17°56'35
morning set	6283 Dec 16 17:51	17°  Ϸ13'49		morning set	6284 Nov 28 19:51	0°  Ϸ34'35	
	6283 Dec 24 03:08	0°  Ϸ			6284 Nov 28 12:18	0°  Ϸ	
superior conj	6283 Dec 28 18:07	7°  Ϸ45'56	0°03'45	superior conj	6284 Dec 09 03:59	19°  Ϸ11'37	0°42'21
minimum elong	6283 Dec 28 18:30	7°  Ϸ47'33	0°03'45	minimum elong	6284 Dec 09 07:16	19°  Ϸ25'55	0°41'56
behind sun begin	6283 Dec 28 09:19	7°  Ϸ09'27		desc. node	6284 Dec 15 03:41	29°  Ϸ24'40	
behind sun end	6283 Dec 29 03:41	8°  Ϸ25'34			6284 Dec 15 12:10	0°  Ϸ	
desc. node	6283 Dec 29 06:40	8°  Ϸ37'53		max. Earth dist.	6284 Dec 16 16:33	1°  Ϸ57'32	1.42530 AU
max. Earth dist.	6284 Jan 04 03:32	18°  Ϸ10'44	1.44110 AU	evening rise	6284 Dec 22 21:07	11°  Ϸ57'09	
	6284 Jan 11 15:42	0°  ≈			6285 Jan 03 17:03	0°  ≈	
evening rise	6284 Jan 13 02:05	2°  ≈12'52		evening max el	6285 Jan 24 08:46	27°  ≈09'59	22°12'31
	6284 Jan 31 19:28	0°  Ϸ			6285 Jan 27 11:31	0°  Ϸ	
evening max el	6284 Feb 11 13:57	13°  Ϸ32'35	20°57'25	retrograde	6285 Feb 02 21:43	2°  Ϸ50'03	
asc. node	6284 Feb 19 12:38	18°  Ϸ30'41					

asc. node	6285 Feb 05 09:40	2°♄17'30		asc. node	6286 Jan 23 06:41	14°♄32'49	
evening set	6285 Feb 07 10:52	0°♄59'32		min. Earth dist.	6286 Jan 27 14:18	9°♄21'15	0.68137 AU
	6285 Feb 08 12:52	30°♄		inferior conj	6286 Jan 28 03:13	8°♄37'00	1°33'45
inferior conj	6285 Feb 12 19:07	24°♄38'33	2°15'23	minimum elong	6286 Jan 28 01:17	8°♄43'38	1°33'04
minimum elong	6285 Feb 12 16:47	24°♄46'39	2°14'41	morning rise	6286 Feb 02 09:25	2°♄31'29	
min. Earth dist.	6285 Feb 12 17:32	24°♄44'03	0.68212 AU	direct	6286 Feb 06 13:50	0°♄53'25	
morning rise	6285 Feb 17 22:32	18°♄28'03		morning max el	6286 Feb 14 20:55	5°♄39'41	20°55'09
direct	6285 Feb 22 16:53	16°♄27'15		desc. node	6286 Feb 28 00:02	22°♄22'18	
morning max el	6285 Mar 04 04:03	22°♄01'14	22°16'50		6286 Mar 05 05:47	0°♄	
	6285 Mar 11 01:14	0°♄		morning set	6286 Mar 16 23:33	17°♄52'22	
desc. node	6285 Mar 13 03:01	2°♄42'07			6286 Mar 24 14:20	0°♄	
	6285 Mar 31 20:09	0°♄		max. Earth dist.	6286 Mar 24 23:53	0°♄38'44	1.42845 AU
morning set	6285 Apr 06 14:30	9°♄10'44					
max. Earth dist.	6285 Apr 11 19:56	17°♄49'25	1.40853 AU	superior conj	6286 Mar 31 23:44	12°♄15'06	-2°08'25
	6285 Apr 18 20:47	0°♄		minimum elong	6286 Apr 01 02:07	12°♄25'14	2°08'23
					6286 Apr 11 04:20	0°♄	
superior conj	6285 Apr 19 15:05	1°♄21'34	-1°53'57	evening rise	6286 Apr 12 18:23	2°♄49'39	
minimum elong	6285 Apr 19 20:12	1°♄44'26	1°53'32	asc. node	6286 Apr 21 05:54	17°♄40'04	
evening rise	6285 Apr 29 22:08	20°♄19'05		evening max el	6286 Apr 29 13:17	29°♄09'07	18°06'17
asc. node	6285 May 04 08:51	28°♄33'54			6286 Apr 30 11:15	0°♄	
	6285 May 05 03:52	0°♄		retrograde	6286 May 06 03:21	2°♄31'41	
evening max el	6285 May 16 01:41	16°♄06'57	18°18'24	evening set	6286 May 08 18:56	1°♄58'50	
retrograde	6285 May 23 06:57	19°♄43'19			6286 May 12 00:28	30°♄	
evening set	6285 May 25 15:26	19°♄21'13		inferior conj	6286 May 15 08:17	26°♄59'07	2°52'16
inferior conj	6285 Jun 01 21:09	14°♄42'02	1°58'31	minimum elong	6286 May 15 11:10	26°♄52'04	2°51'39
minimum elong	6285 Jun 02 00:25	14°♄35'06	1°57'30	min. Earth dist.	6286 May 18 12:03	23°♄55'16	0.61201 AU
min. Earth dist.	6285 Jun 05 07:22	11°♄49'32	0.58974 AU	morning rise	6286 May 22 01:19	21°♄01'53	
morning rise	6285 Jun 09 06:19	9°♄05'58		desc. node	6286 May 26 23:19	18°♄55'15	
desc. node	6285 Jun 09 02:17	9°♄11'36		direct	6286 May 28 18:11	18°♄45'47	
direct	6285 Jun 15 11:53	7°♄21'09		morning max el	6286 Jun 11 23:53	26°♄44'02	27°51'48
morning max el	6285 Jun 29 21:06	15°♄09'00	27°19'44		6286 Jun 15 01:39	0°♄	
	6285 Jul 11 21:24	0°♄			6286 Jul 05 12:01	0°♄	
	6285 Jul 28 23:07	0°♄		morning set	6286 Jul 14 23:14	18°♄10'38	
morning set	6285 Jul 30 19:13	3°♄48'28		asc. node	6286 Jul 18 05:09	24°♄59'33	
asc. node	6285 Jul 31 08:06	4°♄56'18			6286 Jul 20 12:48	0°♄	
				max. Earth dist.	6286 Jul 20 20:49	0°♄43'43	1.32035 AU
superior conj	6285 Aug 06 20:58	19°♄09'49	1°03'12	superior conj	6286 Jul 22 07:36	3°♄54'12	0°41'24
minimum elong	6285 Aug 06 18:45	18°♄57'31	1°02'47	minimum elong	6286 Jul 22 05:52	3°♄44'41	0°41'01
max. Earth dist.	6285 Aug 06 11:16	18°♄16'06	1.31821 AU	evening rise	6286 Jul 29 02:56	18°♄46'15	
	6285 Aug 11 19:11	0°♄			6286 Aug 03 14:13	0°♄	
evening rise	6285 Aug 13 15:57	4°♄00'26		desc. node	6286 Aug 22 22:31	29°♄16'53	
	6285 Aug 27 10:29	0°♄			6286 Aug 23 15:33	0°♄	
desc. node	6285 Sep 05 01:29	12°♄27'32		evening max el	6286 Aug 24 06:54	0°♄37'25	24°57'25
evening max el	6285 Sep 11 14:37	19°♄43'13	26°17'54	retrograde	6286 Sep 07 04:12	7°♄37'52	
retrograde	6285 Sep 25 13:22	26°♄50'07		evening set	6286 Sep 12 16:33	6°♄29'06	
evening set	6285 Oct 02 02:56	25°♄04'53		min. Earth dist.	6286 Sep 17 18:15	3°♄45'14	0.57202 AU
min. Earth dist.	6285 Oct 06 03:55	22°♄30'11	0.59169 AU	inferior conj	6286 Sep 20 15:13	1°♄51'34	-5°22'10
inferior conj	6285 Oct 09 09:12	20°♄03'25	-4°51'30	minimum elong	6286 Sep 20 17:10	1°♄48'19	5°22'04
minimum elong	6285 Oct 09 15:11	19°♄51'59	4°50'23		6286 Sep 23 13:28	30°♄	
morning rise	6285 Oct 17 05:40	15°♄31'37		morning rise	6286 Sep 28 20:02	27°♄42'26	
direct	6285 Oct 19 13:30	15°♄12'55		direct	6286 Oct 01 09:20	27°♄23'44	
asc. node	6285 Oct 27 07:26	18°♄53'35			6286 Oct 08 11:42	0°♄	
morning max el	6285 Oct 27 12:00	19°♄04'28	18°24'05	morning max el	6286 Oct 10 12:20	1°♄42'37	19°13'01
	6285 Nov 04 12:48	0°♄		asc. node	6286 Oct 14 04:27	5°♄50'45	
morning set	6285 Nov 12 10:58	14°♄31'49		morning set	6286 Oct 27 11:04	28°♄53'53	
	6285 Nov 20 14:31	0°♄			6286 Oct 28 00:22	0°♄	
superior conj	6285 Nov 21 12:48	1°♄43'01	1°11'12	superior conj	6286 Nov 04 15:21	15°♄05'41	1°30'09
minimum elong	6285 Nov 21 16:28	1°♄59'54	1°10'47	minimum elong	6286 Nov 04 18:02	15°♄18'40	1°29'56
max. Earth dist.	6285 Nov 29 00:49	15°♄04'59	1.40552 AU	max. Earth dist.	6286 Nov 11 06:19	27°♄32'06	1.38419 AU
desc. node	6285 Dec 02 00:42	20°♄10'04			6286 Nov 12 15:10	0°♄	
evening rise	6285 Dec 03 11:38	22°♄35'15		evening rise	6286 Nov 15 00:42	4°♄13'48	
	6285 Dec 08 01:30	0°♄		desc. node	6286 Nov 18 21:44	10°♄50'16	
	6285 Dec 28 17:20	0°♄			6286 Dec 01 03:39	0°♄	
evening max el	6286 Jan 06 23:52	10°♄51'06	23°32'23	evening max el	6286 Dec 20 13:02	24°♄35'22	24°50'35
retrograde	6286 Jan 17 15:44	17°♄08'46			6286 Dec 27 10:01	0°♄	
evening set	6286 Jan 22 17:06	15°♄03'04					

retrograde	6287 Jan 01 05:44	1° \approx 23'25			6287 Nov 25 13:32	0° \approx	
	6287 Jan 05 14:13	30° \approx		evening max el	6287 Dec 03 01:46	8° \approx 20'19	26°00'01
evening set	6287 Jan 06 20:17	29° \approx 03'24		retrograde	6287 Dec 15 15:02	15° \approx 28'49	
asc. node	6287 Jan 10 03:44	25° \approx 31'28		evening set	6287 Dec 21 18:44	12° \approx 57'15	
min. Earth dist.	6287 Jan 11 09:31	23° \approx 55'55	0.67689 AU	min. Earth dist.	6287 Dec 26 00:57	8° \approx 24'33	0.66877 AU
inferior conj	6287 Jan 12 09:33	22° \approx 36'34	0°44'50	inferior conj	6287 Dec 27 12:16	6° \approx 34'21	-0°10'35
minimum elong	6287 Jan 12 08:30	22° \approx 40'05	0°44'26	minimum elong	6287 Dec 27 12:33	6° \approx 33'29	0°10'26
morning rise	6287 Jan 17 20:53	16° \approx 37'53		transit middle	6287 Dec 27 12:33	6° \approx 33'29	0°10'26
direct	6287 Jan 21 12:26	15° \approx 32'12		transit begin	6287 Dec 27 10:23	6° \approx 40'15	
morning max el	6287 Jan 28 21:44	19° \approx 30'15	19°45'51	transit end	6287 Dec 27 14:43	6° \approx 26'42	
	6287 Feb 06 09:03	0° \approx		asc. node	6287 Dec 28 00:46	5° \approx 55'27	
greatest brilliancy	6287 Feb 10 20:45	6° \approx 27'36	-0.6m	morning rise	6288 Jan 02 06:55	0° \approx 44'38	
desc. node	6287 Feb 14 21:03	12° \approx 26'19			6288 Jan 03 22:53	30° \approx	
morning set	6287 Feb 23 20:07	26° \approx 06'21		direct	6288 Jan 05 11:11	29° \approx 46'59	
	6287 Feb 26 08:35	0° \approx			6288 Jan 07 00:10	0° \approx	
max. Earth dist.	6287 Mar 07 11:30	14° \approx 18'08	1.44361 AU	morning max el	6288 Jan 12 06:09	3° \approx 30'29	18°51'39
					6288 Jan 30 23:07	0° \approx	
superior conj	6287 Mar 12 07:03	22° \approx 01'06	-2°07'16	desc. node	6288 Feb 01 18:04	2° \approx 47'49	
minimum elong	6287 Mar 12 03:22	21° \approx 46'14	2°07'09	morning set	6288 Feb 03 05:09	5° \approx 05'01	
	6287 Mar 17 04:21	0° \approx		max. Earth dist.	6288 Feb 18 04:16	28° \approx 29'52	1.45227 AU
evening rise	6287 Mar 25 19:25	14° \approx 07'35			6288 Feb 19 03:13	0° \approx	
	6287 Apr 04 01:26	0° \approx					
asc. node	6287 Apr 08 02:57	6° \approx 15'52		superior conj	6288 Feb 19 17:08	0° \approx 54'40	-1°46'20
evening max el	6287 Apr 13 02:20	12° \approx 27'36	18°13'10	minimum elong	6288 Feb 19 08:04	0° \approx 19'02	1°45'34
retrograde	6287 Apr 19 11:53	15° \approx 51'17		evening rise	6288 Mar 05 21:43	25° \approx 08'05	
evening set	6287 Apr 22 10:01	15° \approx 06'15			6288 Mar 08 21:48	0° \approx	
inferior conj	6287 Apr 28 11:07	9° \approx 47'21	3°20'41	asc. node	6288 Mar 25 00:00	24° \approx 12'06	
minimum elong	6287 Apr 28 12:36	9° \approx 43'13	3°20'31	evening max el	6288 Mar 26 14:06	25° \approx 56'00	18°38'22
min. Earth dist.	6287 May 01 01:46	6° \approx 55'13	0.63317 AU	retrograde	6288 Apr 02 04:12	29° \approx 33'41	
morning rise	6287 May 04 14:00	3° \approx 38'08		evening set	6288 Apr 05 09:00	28° \approx 35'35	
direct	6287 May 11 09:36	0° \approx 59'35		inferior conj	6288 Apr 11 01:37	22° \approx 59'20	3°29'22
desc. node	6287 May 13 20:22	1° \approx 18'01		minimum elong	6288 Apr 11 01:36	22° \approx 59'20	3°29'21
morning max el	6287 May 25 07:45	9° \approx 00'20	27°46'03	min. Earth dist.	6288 Apr 13 00:57	20° \approx 35'55	0.65131 AU
	6287 Jun 10 14:20	0° \approx		morning rise	6288 Apr 16 17:35	16° \approx 44'39	
	6287 Jun 27 18:24	0° \approx		direct	6288 Apr 23 08:49	13° \approx 56'07	
morning set	6287 Jun 28 20:40	2° \approx 10'31		desc. node	6288 Apr 29 17:24	16° \approx 00'38	
max. Earth dist.	6287 Jul 04 01:05	12° \approx 52'35	1.32689 AU	morning max el	6288 May 06 17:56	21° \approx 48'40	27°06'10
asc. node	6287 Jul 05 02:11	15° \approx 06'15			6288 May 13 21:28	0° \approx	
					6288 Jun 02 19:11	0° \approx	
superior conj	6287 Jul 06 15:14	18° \approx 25'19	0°15'54	morning set	6288 Jun 11 08:37	15° \approx 39'45	
minimum elong	6287 Jul 06 14:28	18° \approx 21'13	0°15'42	max. Earth dist.	6288 Jun 15 20:13	24° \approx 33'02	1.33808 AU
behind sun begin	6287 Jul 06 13:31	18° \approx 16'00			6288 Jun 18 11:46	0° \approx	
behind sun end	6287 Jul 06 15:26	18° \approx 26'25					
	6287 Jul 11 23:23	0° \approx		superior conj	6288 Jun 19 17:47	2° \approx 37'05	-0°12'35
evening rise	6287 Jul 13 14:44	3° \approx 30'45		minimum elong	6288 Jun 19 18:27	2° \approx 40'36	0°12'29
	6287 Jul 27 22:03	0° \approx		behind sun begin	6288 Jun 19 14:55	2° \approx 21'59	
evening max el	6287 Aug 05 18:52	10° \approx 59'09	23°20'59	behind sun end	6288 Jun 19 22:00	2° \approx 59'14	
desc. node	6287 Aug 09 19:33	14° \approx 21'51		asc. node	6288 Jun 20 23:14	5° \approx 12'20	
retrograde	6287 Aug 19 06:56	17° \approx 45'04		evening rise	6288 Jun 27 01:25	18° \approx 07'53	
evening set	6287 Aug 23 07:35	17° \approx 09'32			6288 Jul 02 22:38	0° \approx	
min. Earth dist.	6287 Aug 30 04:13	13° \approx 59'08	0.55642 AU	evening max el	6288 Jul 17 10:49	21° \approx 21'52	21°44'52
inferior conj	6287 Sep 01 01:18	12° \approx 52'55	-5°12'26	desc. node	6288 Jul 26 16:36	27° \approx 08'38	
minimum elong	6287 Aug 31 20:28	13° \approx 00'02	5°11'55	retrograde	6288 Jul 29 22:57	27° \approx 33'52	
morning rise	6287 Sep 09 11:40	9° \approx 00'49		evening set	6288 Aug 01 14:23	27° \approx 18'06	
direct	6287 Sep 12 09:42	8° \approx 40'13		inferior conj	6288 Aug 10 21:01	23° \approx 17'03	-4°09'59
morning max el	6287 Sep 23 01:01	13° \approx 37'28	20°24'06	minimum elong	6288 Aug 10 11:57	23° \approx 29'45	4°07'39
asc. node	6287 Oct 01 01:30	23° \approx 44'15		min. Earth dist.	6288 Aug 10 13:49	23° \approx 27'08	0.54815 AU
	6287 Oct 04 18:25	0° \approx		morning rise	6288 Aug 19 10:48	19° \approx 26'21	
morning set	6287 Oct 11 17:11	13° \approx 32'34		direct	6288 Aug 22 20:16	19° \approx 01'09	
				morning max el	6288 Sep 04 01:34	24° \approx 45'58	21°55'02
superior conj	6287 Oct 19 06:50	29° \approx 06'13	1°40'13		6288 Sep 08 20:05	0° \approx	
minimum elong	6287 Oct 19 08:03	29° \approx 12'26	1°40'11	asc. node	6288 Sep 16 22:32	12° \approx 20'27	
	6287 Oct 19 17:28	0° \approx		morning set	6288 Sep 25 02:55	28° \approx 20'24	
max. Earth dist.	6287 Oct 24 13:13	9° \approx 30'57	1.36379 AU		6288 Sep 25 21:54	0° \approx	
evening rise	6287 Oct 28 10:17	16° \approx 48'07					
	6287 Nov 04 23:12	0° \approx		superior conj	6288 Oct 02 07:17	13° \approx 32'15	1°42'39
desc. node	6287 Nov 05 18:45	1° \approx 21'11		minimum elong	6288 Oct 02 07:06	13° \approx 31'17	1°42'40
































































































































max. Earth dist.	6288 Oct 06 02:26	21° Ω 23'41	1.34634 AU	superior conj	6289 Sep 16 13:43	28° Π 14'42	1°38'32
	6288 Oct 10 10:44	0° Π		minimum elong	6289 Sep 16 12:25	28° Π 07'41	1°38'28
evening rise	6288 Oct 10 12:17	0° Π 07'26			6289 Sep 17 09:16	0° Ω	
desc. node	6288 Oct 22 15:47	21° Π 36'56		max. Earth dist.	6289 Sep 19 00:26	3° Ω 29'16	1.33295 AU
	6288 Oct 28 01:15	0° \mathcal{A}		evening rise	6289 Sep 24 02:47	14° Ω 01'28	
evening max el	6288 Nov 14 14:36	21° \mathcal{A} 59'05	26°53'28		6289 Oct 02 14:30	0° Π	
retrograde	6288 Nov 27 18:53	29° \mathcal{A} 17'08		desc. node	6289 Oct 09 12:48	11° Π 30'47	
evening set	6288 Dec 04 10:26	26° \mathcal{A} 39'04			6289 Oct 23 00:59	0° \mathcal{A}	
min. Earth dist.	6288 Dec 08 10:20	22° \mathcal{A} 41'14	0.65710 AU	evening max el	6289 Oct 28 02:53	5° \mathcal{A} 21'56	27°23'36
inferior conj	6288 Dec 10 09:15	20° \mathcal{A} 25'29	-1°11'32	retrograde	6289 Nov 10 16:34	12° \mathcal{A} 40'19	
minimum elong	6288 Dec 10 11:18	20° \mathcal{A} 19'33	1°10'38	evening set	6289 Nov 17 16:53	10° \mathcal{A} 03'23	
asc. node	6288 Dec 13 21:49	16° \mathcal{A} 40'32		min. Earth dist.	6289 Nov 21 11:29	6° \mathcal{A} 38'56	0.64205 AU
morning rise	6288 Dec 16 13:11	14° \mathcal{A} 47'10		inferior conj	6289 Nov 23 22:06	4° \mathcal{A} 04'45	-2°16'18
direct	6288 Dec 19 08:08	14° \mathcal{A} 04'31		minimum elong	6289 Nov 24 02:11	3° \mathcal{A} 54'00	2°14'40
morning max el	6288 Dec 25 20:06	17° \mathcal{A} 33'50	18°13'44		6289 Nov 28 06:41	30° \mathcal{R} Π	
	6289 Jan 04 02:38	0° \mathcal{B}		morning rise	6289 Nov 30 12:57	28° Π 40'50	
morning set	6289 Jan 13 18:11	15° \mathcal{B} 29'01		asc. node	6289 Nov 30 18:52	28° Π 34'58	
desc. node	6289 Jan 18 15:03	23° \mathcal{B} 21'05		direct	6289 Dec 03 00:57	28° Π 09'13	
	6289 Jan 22 18:47	0° \approx			6289 Dec 07 18:12	0° \mathcal{A}	
superior conj	6289 Jan 28 21:10	9° \approx 38'57	-1°07'58	morning max el	6289 Dec 09 12:50	1° \mathcal{A} 33'35	17°52'49
minimum elong	6289 Jan 28 13:07	9° \approx 07'20	1°06'58	morning set	6289 Dec 26 11:42	27° \mathcal{A} 16'54	
max. Earth dist.	6289 Jan 30 23:17	12° \approx 55'43	1.45361 AU	desc. node	6289 Dec 28 02:10	0° \mathcal{B}	
	6289 Feb 10 21:37	0° \mathcal{H}			6290 Jan 05 12:02	14° \mathcal{B} 02'12	
evening rise	6289 Feb 14 01:23	4° \mathcal{H} 55'26		superior conj	6290 Jan 08 14:51	19° \mathcal{B} 06'52	-0°21'57
greatest brilliancy	6289 Feb 25 19:48	23° \mathcal{H} 09'26	-0.7m	minimum elong	6290 Jan 08 12:19	18° \mathcal{B} 56'36	0°21'32
	6289 Mar 02 10:35	0° \mathcal{Y}		max. Earth dist.	6290 Jan 13 18:06	27° \mathcal{B} 19'59	1.44764 AU
evening max el	6289 Mar 09 22:22	9° \mathcal{Y} 29'28	19°20'53		6290 Jan 15 10:37	0° \approx	
asc. node	6289 Mar 11 21:03	11° \mathcal{Y} 16'54		evening rise	6290 Jan 24 14:03	14° \approx 12'30	
retrograde	6289 Mar 17 00:48	13° \mathcal{Y} 32'13			6290 Feb 03 23:50	0° \mathcal{H}	
evening set	6289 Mar 20 13:02	12° \mathcal{Y} 20'15		evening max el	6290 Feb 21 01:38	23° \mathcal{H} 04'44	20°18'38
inferior conj	6289 Mar 26 00:19	6° \mathcal{Y} 28'30	3°22'52	asc. node	6290 Feb 26 18:05	27° \mathcal{H} 15'49	
minimum elong	6289 Mar 25 23:06	6° \mathcal{Y} 32'27	3°22'43	retrograde	6290 Feb 28 23:01	27° \mathcal{H} 41'22	
min. Earth dist.	6289 Mar 27 08:27	4° \mathcal{Y} 44'01	0.66543 AU	evening set	6290 Mar 04 19:52	26° \mathcal{H} 14'44	
morning rise	6289 Mar 31 08:50	0° \mathcal{Y} 12'31		inferior conj	6290 Mar 10 04:23	20° \mathcal{H} 09'29	3°04'17
	6289 Mar 31 14:30	30° \mathcal{R} \mathcal{H}		minimum elong	6290 Mar 10 02:23	20° \mathcal{H} 16'19	3°03'54
direct	6289 Apr 06 14:33	27° \mathcal{H} 26'36		min. Earth dist.	6290 Mar 10 22:25	19° \mathcal{H} 08'13	0.67524 AU
	6289 Apr 13 10:25	0° \mathcal{Y}		morning rise	6290 Mar 15 08:40	13° \mathcal{H} 54'37	
desc. node	6289 Apr 16 14:25	2° \mathcal{Y} 30'05		direct	6290 Mar 21 01:39	11° \mathcal{H} 21'38	
morning max el	6289 Apr 19 03:51	4° \mathcal{Y} 56'17	25°59'56	morning max el	6290 Apr 01 12:32	18° \mathcal{H} 12'54	24°37'00
	6289 May 08 08:51	0° \mathcal{B}		desc. node	6290 Apr 03 11:24	20° \mathcal{H} 16'35	
morning set	6289 May 25 07:16	28° \mathcal{B} 27'42			6290 Apr 11 10:12	0° \mathcal{Y}	
	6289 May 26 03:09	0° Π			6290 May 01 10:26	0° \mathcal{B}	
max. Earth dist.	6289 May 29 03:57	5° Π 45'13	1.35398 AU	morning set	6290 May 07 11:30	10° \mathcal{B} 19'16	
				max. Earth dist.	6290 May 11 02:20	16° \mathcal{B} 47'58	1.37390 AU
superior conj	6289 Jun 03 12:47	16° Π 22'57	-0°42'52				
minimum elong	6289 Jun 03 15:13	16° Π 35'16	0°42'26	superior conj	6290 May 17 20:59	29° \mathcal{B} 33'33	-1°13'11
asc. node	6289 Jun 07 20:16	25° Π 14'02		minimum elong	6290 May 18 01:11	29° \mathcal{B} 53'56	1°12'33
	6289 Jun 10 03:32	0° \mathcal{B}			6290 May 18 02:26	0° Π	
evening rise	6289 Jun 11 08:59	2° \mathcal{B} 31'45		asc. node	6290 May 25 17:17	15° Π 06'31	
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evening max el	6289 Jun 29 13:59	2° Ω 16'32	20°21'48		6290 Jun 02 11:18	0° \mathcal{B}	
retrograde	6289 Jul 10 11:45	7° Ω 37'52		evening max el	6290 Jun 12 05:48	13° \mathcal{B} 53'25	19°17'42
evening set	6289 Jul 12 10:49	7° Ω 28'13		retrograde	6290 Jun 21 10:19	18° \mathcal{B} 23'55	
desc. node	6289 Jul 13 13:39	7° Ω 14'30		evening set	6290 Jun 23 08:44	18° \mathcal{B} 12'47	
inferior conj	6289 Jul 21 15:04	3° Ω 30'44	-2°24'02	desc. node	6290 Jun 30 10:41	15° \mathcal{B} 00'27	
minimum elong	6289 Jul 21 08:25	3° Ω 40'26	2°21'41	inferior conj	6290 Jul 01 21:23	14° \mathcal{B} 03'59	-0°26'05
min. Earth dist.	6289 Jul 23 01:05	2° Ω 41'04	0.54936 AU	minimum elong	6290 Jul 01 20:15	14° \mathcal{B} 05'52	0°25'42
	6289 Jul 28 07:46	30° \mathcal{R} \mathcal{B}		min. Earth dist.	6290 Jul 04 14:48	12° \mathcal{B} 16'30	0.55993 AU
morning rise	6289 Jul 30 04:57	29° \mathcal{B} 21'09		morning rise	6290 Jul 10 04:53	9° \mathcal{B} 20'55	
direct	6289 Aug 03 06:33	28° \mathcal{B} 45'24		direct	6290 Jul 15 03:14	8° \mathcal{B} 25'19	
	6289 Aug 09 01:06	0° Ω		morning max el	6290 Jul 29 06:20	15° \mathcal{B} 35'32	25°20'21
morning max el	6289 Aug 16 17:14	5° Ω 17'41	23°38'16		6290 Aug 09 20:19	0° Ω	
	6289 Sep 03 00:51	0° Π		asc. node	6290 Aug 21 16:35	21° Ω 00'21	
asc. node	6289 Sep 03 19:34	1° Π 28'50		morning set	6290 Aug 25 02:00	28° Ω 02'28	
morning set	6289 Sep 09 14:25	13° Π 12'14			6290 Aug 26 00:01	0° Π	

superior conj	6290 Aug 31 23:46	13° \cap 05'33	1°28'43	superior conj	6291 Aug 16 11:27	27° Ω 58'36	1°13'51
minimum elong	6290 Aug 31 21:45	12° \cap 54'29	1°28'30	minimum elong	6291 Aug 16 09:10	27° Ω 45'58	1°13'29
max. Earth dist.	6290 Sep 02 06:02	15° \cap 51'28	1.32384 AU	max. Earth dist.	6291 Aug 16 16:08	28° Ω 24'30	1.31905 AU
evening rise	6290 Sep 08 02:17	28° \cap 19'49			6291 Aug 17 09:23	0° \cap	
	6290 Sep 08 21:47	0° $\underline{\Omega}$		evening rise	6291 Aug 23 08:01	12° \cap 54'20	
	6290 Sep 25 19:32	0° \cap			6291 Sep 01 00:13	0° $\underline{\Omega}$	
desc. node	6290 Sep 26 09:51	0° \cap 53'22		desc. node	6291 Sep 13 06:54	19° $\underline{\Omega}$ 31'41	
evening max el	6290 Oct 10 12:30	18° \cap 15'37	27°24'14		6291 Sep 22 05:29	0° \cap	
retrograde	6290 Oct 24 07:13	25° \cap 29'39		evening max el	6291 Sep 22 16:31	0° \cap 26'21	26°51'30
evening set	6290 Oct 31 10:55	23° \cap 03'37		retrograde	6291 Oct 06 13:59	7° \cap 35'49	
min. Earth dist.	6290 Nov 04 02:30	20° \cap 07'54	0.62396 AU	evening set	6291 Oct 17 12:19	5° \cap 32'09	
inferior conj	6290 Nov 06 23:56	17° \cap 25'06	-3°21'48	min. Earth dist.	6291 Oct 17 06:35	2° \cap 54'40	0.60370 AU
minimum elong	6290 Nov 07 05:52	17° \cap 11'10	3°19'47	inferior conj	6291 Oct 20 11:20	0° \cap 16'58	-4°22'27
morning rise	6290 Nov 14 02:40	12° \cap 19'05		minimum elong	6291 Oct 20 17:59	0° \cap 03'14	4°20'47
direct	6290 Nov 16 10:27	11° \cap 54'51			6291 Oct 20 19:33	30° \cap $\underline{\Omega}$	
asc. node	6290 Nov 17 15:53	12° \cap 01'48		morning rise	6291 Oct 28 01:47	25° $\underline{\Omega}$ 32'20	
morning max el	6290 Nov 23 05:22	15° \cap 22'42	17°49'49	direct	6291 Oct 30 08:35	25° $\underline{\Omega}$ 12'24	
	6290 Dec 03 09:29	0° \propto		asc. node	6291 Nov 04 12:54	27° $\underline{\Omega}$ 00'27	
morning set	6290 Dec 09 03:45	10° \propto 09'42		morning max el	6291 Nov 06 18:25	28° $\underline{\Omega}$ 52'17	18°05'49
					6291 Nov 07 20:32	0° \cap	
superior conj	6290 Dec 20 09:41	29° \propto 48'50	0°21'14	morning set	6291 Nov 22 11:56	23° \cap 47'43	
minimum elong	6290 Dec 20 11:40	29° \propto 57'12	0°21'00		6291 Nov 25 19:41	0° \propto	
	6290 Dec 20 12:19	0° \propto					
desc. node	6290 Dec 23 09:02	4° \propto 47'58		superior conj	6291 Dec 02 05:58	11° \propto 44'28	0°55'51
max. Earth dist.	6290 Dec 27 10:25	11° \propto 27'18	1.43501 AU	minimum elong	6291 Dec 02 09:39	12° \propto 00'54	0°55'23
evening rise	6291 Jan 04 02:26	23° \propto 36'45		max. Earth dist.	6291 Dec 09 21:49	24° \propto 59'58	1.41722 AU
	6291 Jan 08 06:05	0° \approx		desc. node	6291 Dec 10 06:04	25° \propto 34'30	
	6291 Jan 29 05:10	0° \propto			6291 Dec 12 22:15	0° \propto	
evening max el	6291 Feb 03 23:26	6° \propto 41'23	21°28'31	evening rise	6291 Dec 15 04:53	3° \propto 41'36	
retrograde	6291 Feb 12 20:51	11° \propto 57'34			6292 Jan 01 14:21	0° \approx	
asc. node	6291 Feb 13 15:08	11° \propto 54'30		evening max el	6292 Jan 17 16:21	20° \approx 19'32	22°46'14
evening set	6291 Feb 17 03:44	10° \propto 15'39		retrograde	6292 Jan 27 16:43	26° \approx 16'21	
inferior conj	6291 Feb 22 11:34	3° \propto 59'30	2°35'45	asc. node	6292 Jan 31 12:10	25° \approx 01'56	
minimum elong	6291 Feb 22 09:14	4° \propto 07'37	2°35'09	evening set	6292 Feb 01 11:00	24° \approx 19'03	
min. Earth dist.	6291 Feb 22 16:46	3° \propto 41'28	0.68078 AU	inferior conj	6292 Feb 06 19:51	17° \approx 55'16	1°58'37
	6291 Feb 25 11:53	30° \cap \approx		minimum elong	6292 Feb 06 17:38	18° \approx 02'56	1°57'55
morning rise	6291 Feb 27 14:33	27° \approx 47'12		min. Earth dist.	6292 Feb 06 13:18	18° \approx 18'00	0.68225 AU
direct	6291 Mar 04 17:14	25° \approx 33'48		morning rise	6292 Feb 12 00:11	11° \approx 46'51	
	6291 Mar 13 05:39	0° \propto		direct	6292 Feb 16 12:26	9° \approx 55'58	
morning max el	6291 Mar 14 21:53	1° \propto 36'31	23°07'36	morning max el	6292 Feb 25 11:10	15° \approx 08'46	21°40'54
desc. node	6291 Mar 21 08:23	8° \propto 58'41		desc. node	6292 Mar 07 05:23	28° \approx 20'34	
	6291 Apr 05 09:36	0° \propto			6292 Mar 08 10:09	0° \propto	
morning set	6291 Apr 18 15:33	20° \propto 59'53			6292 Mar 28 10:08	0° \propto	
max. Earth dist.	6291 Apr 22 22:12	28° \propto 16'04	1.39596 AU	morning set	6292 Mar 28 15:22	0° \propto 20'53	
	6291 Apr 23 22:08	0° \propto		max. Earth dist.	6292 Apr 03 21:52	10° \propto 32'15	1.41740 AU
superior conj	6291 Apr 30 14:26	11° \propto 59'14	-1°40'47	superior conj	6292 Apr 11 12:18	23° \propto 28'19	-2°01'37
minimum elong	6291 Apr 30 19:43	12° \propto 23'37	1°40'13	minimum elong	6292 Apr 11 16:42	23° \propto 47'31	2°01'23
evening rise	6291 May 10 04:24	0° \cap 08'59			6292 Apr 15 04:55	0° \propto	
	6291 May 10 02:32	0° \cap		evening rise	6292 Apr 22 09:37	13° \propto 05'14	
asc. node	6291 May 12 14:20	4° \cap 45'27		asc. node	6292 Apr 28 11:23	24° \propto 05'13	
evening max el	6291 May 26 08:03	26° \cap 10'02	18°34'09		6292 May 01 23:26	0° \cap	
	6291 Jun 02 10:19	0° \propto		evening max el	6292 May 08 17:13	8° \cap 57'44	18°10'53
retrograde	6291 Jun 03 03:21	0° \propto 01'53		retrograde	6292 May 15 14:51	12° \cap 26'45	
	6291 Jun 03 20:30	30° \cap \cap		evening set	6292 May 18 02:16	12° \cap 00'27	
evening set	6291 Jun 05 07:39	29° \cap 44'47		inferior conj	6292 May 25 00:32	7° \cap 12'20	2°24'44
inferior conj	6291 Jun 13 00:18	25° \cap 17'00	1°14'06	minimum elong	6292 May 25 03:50	7° \cap 04'52	2°23'52
minimum elong	6291 Jun 13 02:49	25° \cap 12'07	1°13'12	min. Earth dist.	6292 May 28 09:06	4° \cap 11'52	0.59909 AU
min. Earth dist.	6291 Jun 16 08:42	22° \cap 42'38	0.57761 AU	morning rise	6292 Jun 01 02:41	1° \cap 25'38	
desc. node	6291 Jun 17 07:42	22° \cap 01'29		desc. node	6292 Jun 03 04:43	0° \cap 21'32	
morning rise	6291 Jun 20 18:40	19° \cap 57'57			6292 Jun 04 03:56	30° \cap \propto	
direct	6291 Jun 26 13:57	18° \cap 32'55		direct	6292 Jun 07 13:52	29° \propto 26'56	
morning max el	6291 Jul 10 23:11	26° \cap 09'47	26°44'47		6292 Jun 11 02:19	0° \cap	
	6291 Jul 14 14:06	0° \propto		morning max el	6292 Jun 21 22:31	7° \cap 20'51	27°38'08
	6291 Aug 03 03:42	0° Ω			6292 Jul 09 01:15	0° \propto	
asc. node	6291 Aug 08 13:35	10° Ω 48'32		morning set	6292 Jul 23 18:53	27° \propto 18'52	
morning set	6291 Aug 09 12:03	12° Ω 46'25		asc. node	6292 Jul 25 10:38	0° Ω 48'01	

































































































































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max. Earth dist.	6292 Jul 30 02:57	10°♎57'40	1.31855 AU				
superior conj	6292 Jul 30 23:00	12°♎48'19	0°54'28	superior conj	6293 Jul 15 08:35	27°♎27'45	0°31'01
minimum elong	6292 Jul 30 20:56	12°♎36'52	0°54'02	minimum elong	6293 Jul 15 07:13	27°♎20'14	0°30'41
evening rise	6292 Aug 06 17:41	27°♎38'11		evening rise	6293 Jul 22 05:12	12°♎23'51	
	6292 Aug 07 20:28	0°♎			6293 Jul 31 01:50	0°♎	
	6292 Aug 24 16:29	0°♎		evening max el	6293 Aug 16 02:39	22°♎25'10	24°17'32
desc. node	6292 Aug 30 03:57	7°♎08'12		desc. node	6293 Aug 17 01:00	23°♎17'22	
evening max el	6292 Sep 03 12:55	11°♎47'41	25°46'31	retrograde	6293 Aug 29 21:55	29°♎21'32	
retrograde	6292 Sep 17 11:43	18°♎53'04		evening set	6293 Sep 03 19:33	28°♎28'15	
evening set	6292 Sep 23 16:16	17°♎22'36		min. Earth dist.	6293 Sep 09 13:34	25°♎34'42	0.56465 AU
min. Earth dist.	6292 Sep 28 01:15	14°♎46'27	0.58302 AU	inferior conj	6293 Sep 12 02:16	23°♎59'45	-5°24'00
inferior conj	6292 Oct 01 04:53	12°♎31'19	-5°08'17	minimum elong	6293 Sep 12 01:28	24°♎00'59	5°24'01
minimum elong	6292 Oct 01 09:38	12°♎22'46	5°07'40	morning rise	6293 Sep 20 09:44	19°♎58'50	
morning rise	6292 Oct 09 05:21	8°♎09'45		direct	6293 Sep 23 02:10	19°♎39'41	
direct	6292 Oct 11 14:54	7°♎51'27		morning max el	6293 Oct 02 20:15	24°♎14'06	19°40'29
morning max el	6292 Oct 20 00:32	11°♎53'09	18°42'13		6293 Oct 07 18:57	0°♎	
asc. node	6292 Oct 21 09:55	13°♎19'14		asc. node	6293 Oct 08 06:58	0°♎42'05	
	6292 Nov 01 03:49	0°♎		morning set	6293 Oct 20 10:20	22°♎26'50	
morning set	6292 Nov 05 07:21	7°♎57'03			6293 Oct 24 03:50	0°♎	
superior conj	6292 Nov 13 23:05	24°♎40'21	1°20'23	superior conj	6293 Oct 28 07:40	8°♎20'26	1°35'25
minimum elong	6292 Nov 14 02:27	24°♎56'07	1°20'03	minimum elong	6293 Oct 28 09:45	8°♎30'44	1°35'17
	6292 Nov 16 19:51	0°♎		max. Earth dist.	6293 Nov 03 09:15	19°♎59'26	1.37531 AU
max. Earth dist.	6292 Nov 21 04:10	7°♎48'29	1.39647 AU	evening rise	6293 Nov 07 03:21	26°♎49'24	
evening rise	6292 Nov 25 05:05	14°♎45'52			6293 Nov 08 22:37	0°♎	
desc. node	6292 Nov 26 03:07	16°♎18'28		desc. node	6293 Nov 13 00:11	6°♎55'18	
	6292 Dec 04 15:37	0°♎			6293 Nov 28 03:24	0°♎	
	6292 Dec 26 12:11	0°♎		evening max el	6293 Dec 12 19:09	17°♎46'42	25°21'39
evening max el	6292 Dec 30 06:14	4°♎01'25	24°06'10	retrograde	6293 Dec 24 21:30	24°♎44'59	
retrograde	6293 Jan 10 09:18	10°♎33'53		evening set	6293 Dec 30 17:33	22°♎19'53	
evening set	6293 Jan 15 16:09	8°♎21'49		min. Earth dist.	6294 Jan 04 03:47	17°♎26'49	0.67387 AU
asc. node	6293 Jan 17 09:11	6°♎41'22		asc. node	6294 Jan 04 06:14	17°♎18'58	
min. Earth dist.	6293 Jan 20 09:45	2°♎54'24	0.67991 AU	inferior conj	6294 Jan 05 08:30	15°♎53'57	0°22'06
inferior conj	6293 Jan 21 03:27	1°♎54'33	1°13'50	minimum elong	6294 Jan 05 07:57	15°♎55'45	0°21'54
minimum elong	6293 Jan 21 01:49	2°♎00'03	1°13'15	morning rise	6294 Jan 10 22:40	9°♎58'31	
	6293 Jan 22 13:51	30°♎		direct	6294 Jan 14 09:11	8°♎50'25	
morning rise	6293 Jan 26 11:33	25°♎51'35		morning max el	6294 Jan 21 11:29	12°♎47'16	19°20'44
direct	6293 Jan 30 10:13	24°♎23'09			6294 Feb 03 10:35	0°♎	
morning max el	6293 Feb 07 07:21	28°♎52'29	20°23'51	greatest brilliancy	6294 Feb 03 16:09	0°♎20'51	-0.7m
	6293 Feb 08 09:26	0°♎		desc. node	6294 Feb 08 23:26	8°♎23'45	
desc. node	6293 Feb 22 02:25	18°♎11'34		morning set	6294 Feb 14 15:12	17°♎06'18	
	6293 Mar 02 00:09	0°♎			6294 Feb 22 22:18	0°♎	
morning set	6293 Mar 07 16:17	8°♎41'52		max. Earth dist.	6294 Feb 27 18:26	7°♎36'01	1.44816 AU
max. Earth dist.	6293 Mar 17 04:33	23°♎41'39	1.43555 AU				
	6293 Mar 21 01:50	0°♎		superior conj	6294 Mar 03 07:27	13°♎13'00	-2°00'52
superior conj	6293 Mar 23 10:12	3°♎52'13	-2°10'11	minimum elong	6294 Mar 03 00:59	12°♎47'16	2°00'30
minimum elong	6293 Mar 23 10:19	3°♎52'44	2°10'11		6294 Mar 13 16:14	0°♎	
evening rise	6293 Apr 04 22:11	25°♎13'43		evening rise	6294 Mar 17 13:49	6°♎27'08	
	6293 Apr 07 15:42	0°♎			6294 Apr 01 06:12	0°♎	
asc. node	6293 Apr 15 08:25	12°♎59'10		asc. node	6294 Apr 02 05:28	1°♎19'31	
evening max el	6293 Apr 22 05:46	22°♎07'16	18°07'00	evening max el	6294 Apr 05 18:40	5°♎31'10	18°21'48
retrograde	6293 Apr 28 16:50	25°♎28'42		retrograde	6294 Apr 12 05:00	8°♎58'57	
evening set	6293 May 01 11:09	24°♎50'57		evening set	6294 Apr 15 06:00	8°♎08'25	
inferior conj	6293 May 07 18:49	19°♎43'12	3°07'05	inferior conj	6294 Apr 21 03:04	2°♎42'10	3°26'28
minimum elong	6293 May 07 21:10	19°♎37'08	3°06'40	minimum elong	6294 Apr 21 03:54	2°♎39'45	3°26'24
min. Earth dist.	6293 May 10 17:41	16°♎41'23	0.62121 AU		6294 Apr 23 11:34	30°♎	
morning rise	6293 May 14 05:27	13°♎39'44		min. Earth dist.	6294 Apr 23 11:23	0°♎00'30	0.64135 AU
direct	6293 May 21 00:32	11°♎12'19		morning rise	6294 Apr 27 00:54	26°♎30'15	
desc. node	6293 May 21 01:45	11°♎12'19		direct	6294 May 03 19:37	23°♎45'38	
morning max el	6293 Jun 04 03:42	19°♎13'42	27°53'55	desc. node	6294 May 07 22:45	24°♎38'19	
	6293 Jun 13 06:48	0°♎			6294 May 15 17:31	0°♎	
	6293 Jun 01 22:40	0°♎		morning max el	6294 May 17 12:39	1°♎44'09	27°32'51
morning set	6293 Jul 07 20:23	11°♎32'22			6294 Jun 07 11:44	0°♎	
asc. node	6293 Jul 12 07:40	20°♎53'10		morning set	6294 Jun 21 14:08	25°♎19'53	
					6294 Jun 23 22:06	0°♎	

max. Earth dist.	6294 Jun 26 11:07	5°☾13'59	1.33104 AU		6295 May 31 05:51	0°♊	
asc. node	6294 Jun 29 04:43	11°☾00'01		morning set	6295 Jun 04 20:52	8°♊32'03	
				max. Earth dist.	6295 Jun 09 01:36	16°♊41'31	1.34435 AU
superior conj	6294 Jun 29 14:20	11°☾51'22	0°04'09				
minimum elong	6294 Jun 29 14:07	11°☾50'14	0°04'04	superior conj	6295 Jun 13 13:57	25°♊52'19	-0°25'18
behind sun begin	6294 Jun 29 08:52	11°☾22'10		minimum elong	6295 Jun 13 15:21	25°♊59'30	0°25'03
behind sun end	6294 Jun 29 19:23	12°☾18'21			6295 Jun 15 13:29	0°☾	
evening rise	6294 Jul 06 16:45	27°☾05'44		asc. node	6295 Jun 16 01:45	1°☾04'20	
	6294 Jul 08 01:54	0°♊		evening rise	6295 Jun 21 02:21	11°☾37'33	
	6294 Jul 26 01:50	0°♊			6295 Jun 30 15:39	0°♊	
evening max el	6294 Jul 28 15:23	2°♊43'12	22°39'16	evening max el	6295 Jul 10 11:24	13°♊15'35	21°07'22
desc. node	6294 Aug 03 22:01	7°♊27'28		desc. node	6295 Jul 21 19:01	19°♊06'29	
retrograde	6294 Aug 10 19:08	9°♊16'28		retrograde	6295 Jul 22 08:05	19°♊07'12	
evening set	6294 Aug 14 04:21	8°♊51'23		evening set	6295 Jul 24 14:30	18°♊55'09	
min. Earth dist.	6294 Aug 21 23:02	5°♊25'35	0.55189 AU	inferior conj	6295 Aug 02 22:06	14°♊57'21	-3°28'46
inferior conj	6294 Aug 23 05:05	4°♊42'48	-4°52'32	minimum elong	6295 Aug 02 13:18	15°♊09'44	3°26'04
minimum elong	6294 Aug 22 21:44	4°♊53'17	4°51'15	min. Earth dist.	6295 Aug 03 08:43	14°♊42'24	0.54748 AU
morning rise	6294 Aug 31 17:06	0°♊53'24		morning rise	6295 Aug 11 12:35	11°♊01'31	
direct	6294 Sep 03 19:51	0°♊31'05		direct	6295 Aug 15 04:23	10°♊32'47	
morning max el	6294 Sep 15 03:26	5°♊47'59	21°00'32	morning max el	6295 Aug 27 23:24	16°♊37'39	22°38'15
asc. node	6294 Sep 25 04:00	18°♊54'53			6295 Sep 07 12:30	0°♊	
	6294 Oct 01 05:23	0°♊		asc. node	6295 Sep 12 01:02	7°♊45'41	
morning set	6294 Oct 04 18:14	7°♊09'52		morning set	6295 Sep 19 04:57	22°♊00'10	
					6295 Sep 22 23:00	0°♊	
superior conj	6294 Oct 12 03:20	22°♊32'27	1°42'06				
minimum elong	6294 Oct 12 03:56	22°♊35'34	1°42'07	superior conj	6295 Sep 26 06:39	7°♊06'21	1°41'39
	6294 Oct 15 19:37	0°♊		minimum elong	6295 Sep 26 05:57	7°♊02'38	1°41'39
max. Earth dist.	6294 Oct 16 18:35	1°♊53'42	1.35602 AU	max. Earth dist.	6295 Sep 29 11:46	13°♊51'48	1.34011 AU
evening rise	6294 Oct 20 20:25	9°♊44'01		evening rise	6295 Oct 04 04:10	23°♊19'08	
desc. node	6294 Oct 30 21:12	27°♊20'23			6295 Oct 07 15:59	0°♊	
	6294 Nov 01 12:35	0°♊		desc. node	6295 Oct 17 18:13	17°♊28'00	
	6294 Nov 23 19:51	0°♊			6295 Oct 26 04:02	0°♊	
evening max el	6294 Nov 25 08:10	1°♊30'35	26°25'12	evening max el	6295 Nov 07 20:59	15°♊04'25	27°09'29
retrograde	6294 Dec 08 04:22	8°♊43'33		retrograde	6295 Nov 21 05:31	22°♊22'54	
evening set	6294 Dec 14 13:21	6°♊08'46		evening set	6295 Nov 28 01:29	19°♊44'06	
min. Earth dist.	6294 Dec 18 16:56	1°♊50'49	0.66428 AU	min. Earth dist.	6295 Dec 01 22:56	16°♊01'05	0.65116 AU
inferior conj	6294 Dec 20 09:03	29°♊49'21	-0°35'50	inferior conj	6295 Dec 04 02:55	13°♊36'30	-1°38'38
minimum elong	6294 Dec 20 10:02	29°♊46'22	0°35'23	minimum elong	6295 Dec 04 05:49	13°♊28'25	1°37'25
	6294 Dec 20 05:33	30°♊47'31		asc. node	6295 Dec 09 00:18	8°♊55'10	
asc. node	6294 Dec 22 03:17	27°♊44'39		morning rise	6295 Dec 10 11:20	8°♊04'05	
morning rise	6294 Dec 26 07:25	24°♊03'58		direct	6295 Dec 13 03:07	7°♊26'30	
direct	6294 Dec 29 07:32	23°♊13'00		morning max el	6295 Dec 19 14:02	10°♊52'14	18°02'45
morning max el	6295 Jan 04 22:29	26°♊48'56	18°33'24		6296 Jan 01 21:15	0°♊	
	6295 Jan 07 18:29	0°♊		morning set	6296 Jan 06 13:04	7°♊41'33	
morning set	6295 Jan 25 11:17	26°♊39'20		desc. node	6296 Jan 13 17:27	19°♊28'01	
desc. node	6295 Jan 26 20:26	28°♊50'37			6296 Jan 20 06:55	0°♊	
	6295 Jan 27 13:58	0°♊					
superior conj	6295 Feb 10 12:27	21°♊55'21	-1°31'43	superior conj	6296 Jan 20 20:12	0°♊52'43	-0°48'41
minimum elong	6295 Feb 10 02:55	21°♊18'02	1°30'44	minimum elong	6296 Jan 20 14:19	0°♊29'23	0°47'52
max. Earth dist.	6295 Feb 10 12:57	21°♊57'21	1.45381 AU	max. Earth dist.	6296 Jan 24 08:45	6°♊26'37	1.45199 AU
	6295 Feb 15 16:02	0°♊		evening rise	6296 Feb 06 02:04	26°♊14'36	
evening rise	6295 Feb 26 06:04	16°♊43'20			6296 Feb 08 12:29	0°♊	
	6295 Mar 06 14:46	0°♊		greatest brilliancy	6296 Feb 19 15:40	16°♊56'50	-0.7m
greatest brilliancy	6295 Mar 07 01:55	0°♊43'52	-0.8m		6296 Feb 29 03:16	0°♊	
evening max el	6295 Mar 20 05:12	19°♊02'07	18°54'27	evening max el	6296 Mar 02 11:25	2°♊36'07	19°43'38
asc. node	6295 Mar 20 02:31	18°♊55'16		asc. node	6296 Mar 05 23:33	5°♊33'42	
retrograde	6295 Mar 26 23:28	22°♊48'54		retrograde	6296 Mar 09 21:10	6°♊52'30	
evening set	6295 Mar 30 07:26	21°♊44'46		evening set	6296 Mar 13 12:55	5°♊34'15	
inferior conj	6295 Apr 04 21:24	16°♊01'36	3°28'13	inferior conj	6296 Mar 18 22:43	29°♊36'09	3°16'16
minimum elong	6295 Apr 04 20:51	16°♊03'22	3°28'11	minimum elong	6296 Mar 18 21:07	29°♊41'29	3°16'03
min. Earth dist.	6295 Apr 06 14:06	13°♊54'14	0.65789 AU		6296 Mar 18 15:32	30°♊47'31	
morning rise	6295 Apr 10 09:49	9°♊46'15		min. Earth dist.	6296 Mar 20 00:35	28°♊10'07	0.67016 AU
direct	6295 Apr 16 21:32	6°♊57'38		morning rise	6296 Mar 24 05:04	23°♊20'21	
desc. node	6295 Apr 24 19:46	10°♊10'03		direct	6296 Mar 30 05:30	20°♊39'14	
morning max el	6295 Apr 29 22:50	14°♊41'23	26°40'41	desc. node	6296 Apr 10 16:46	27°♊15'11	
	6295 May 12 10:37	0°♊		morning max el	6296 Apr 11 08:26	27°♊54'14	25°26'03
					6296 Apr 13 08:06	0°♊	

	6296 May 05 03:40	0°♄		desc. node	6297 Mar 28 13:47	15°♄27'39	
morning set	6296 May 17 12:20	20°♄57'21			6297 Apr 08 16:13	0°♄	
max. Earth dist.	6296 May 21 05:08	27°♄47'17	1.36209 AU		6297 Apr 27 22:03	0°♄	
	6296 May 22 09:10	0°♄		morning set	6297 Apr 29 07:05	2°♄21'11	
				max. Earth dist.	6297 May 03 01:14	8°♄55'37	1.38312 AU
superior conj	6296 May 27 04:44	9°♄23'30	-0°55'52				
minimum elong	6296 May 27 07:57	9°♄39'30	0°55'19	superior conj	6297 May 10 07:13	22°♄16'23	-1°25'27
asc. node	6296 Jun 01 22:46	21°♄02'13		minimum elong	6297 May 10 12:02	22°♄39'14	1°24'48
evening rise	6296 Jun 04 07:51	25°♄53'02			6297 May 14 07:28	0°♄	
	6296 Jun 06 08:54	0°♄		evening rise	6297 May 19 06:38	9°♄44'59	
evening max el	6296 Jun 21 19:53	24°♄26'45	19°51'58	asc. node	6297 May 19 19:48	10°♄49'35	
retrograde	6296 Jul 01 23:55	29°♄26'11			6297 May 30 13:24	0°♄	
evening set	6296 Jul 03 21:10	29°♄16'38		evening max el	6297 Jun 04 16:38	6°♄22'03	18°56'44
desc. node	6296 Jul 07 16:02	28°♄05'44		retrograde	6297 Jun 13 05:54	10°♄34'16	
inferior conj	6296 Jul 12 19:49	25°♄15'29	-1°33'18	evening set	6297 Jun 15 06:16	10°♄21'12	
minimum elong	6296 Jul 12 15:30	25°♄22'06	1°31'43	inferior conj	6297 Jun 23 10:33	6°♄05'11	0°19'39
min. Earth dist.	6296 Jul 14 20:50	24°♄00'38	0.55273 AU	minimum elong	6297 Jun 23 11:20	6°♄03'48	0°19'19
morning rise	6296 Jul 21 07:53	20°♄52'39		desc. node	6297 Jun 24 13:04	5°♄18'10	
direct	6296 Jul 25 17:36	20°♄10'01		min. Earth dist.	6297 Jun 26 12:33	3°♄55'26	0.56669 AU
morning max el	6296 Aug 08 13:17	27°♄00'04	24°23'03	morning rise	6297 Jul 01 13:02	1°♄05'58	
	6296 Aug 11 11:22	0°♄			6297 Jul 06 02:18	30°♄	
asc. node	6296 Aug 28 22:03	27°♄04'30		direct	6297 Jul 06 20:35	29°♄58'36	
	6296 Aug 30 09:17	0°♄			6297 Jul 07 14:54	0°♄	
morning set	6296 Sep 02 16:40	6°♄51'43		morning max el	6297 Jul 21 03:33	7°♄22'29	25°59'20
					6297 Aug 06 21:59	0°♄	
superior conj	6296 Sep 09 14:53	21°♄53'04	1°35'02	asc. node	6297 Aug 15 19:05	16°♄43'58	
minimum elong	6296 Sep 09 13:13	21°♄44'03	1°34'54	morning set	6297 Aug 18 03:47	21°♄39'56	
max. Earth dist.	6296 Sep 11 13:11	26°♄03'53	1.32842 AU		6297 Aug 22 00:14	0°♄	
	6296 Sep 13 09:21	0°♄					
evening rise	6296 Sep 16 22:50	7°♄24'03		superior conj	6297 Aug 25 01:53	6°♄45'54	1°23'01
	6296 Sep 29 03:50	0°♄		minimum elong	6297 Aug 24 23:42	6°♄33'52	1°22'43
desc. node	6296 Oct 03 15:15	7°♄09'48		max. Earth dist.	6297 Aug 25 20:54	8°♄30'46	1.32121 AU
evening max el	6296 Oct 20 08:10	28°♄15'32	27°27'46	evening rise	6297 Sep 01 01:19	21°♄50'19	
	6296 Oct 22 06:31	0°♄			6297 Sep 05 01:58	0°♄	
retrograde	6296 Nov 03 00:24	5°♄33'08		desc. node	6297 Sep 20 12:17	26°♄15'13	
evening set	6296 Nov 10 03:07	2°♄59'05			6297 Sep 23 05:04	0°♄	
	6296 Nov 13 14:54	30°♄		evening max el	6297 Oct 02 15:40	10°♄51'57	27°14'31
min. Earth dist.	6296 Nov 13 19:50	29°♄48'02	0.63467 AU	retrograde	6297 Oct 16 12:12	18°♄04'42	
inferior conj	6296 Nov 16 11:26	27°♄08'25	-2°44'15	evening set	6297 Oct 23 14:40	15°♄46'46	
minimum elong	6296 Nov 16 16:22	26°♄56'01	2°42'23	min. Earth dist.	6297 Oct 27 06:21	13°♄00'16	0.61548 AU
morning rise	6296 Nov 23 07:19	21°♄52'01		inferior conj	6297 Oct 30 07:33	10°♄17'31	-3°48'38
asc. node	6296 Nov 24 21:20	21°♄27'24		minimum elong	6297 Oct 30 14:00	10°♄03'08	3°46'39
direct	6296 Nov 25 17:06	21°♄24'04		morning rise	6297 Nov 06 15:23	5°♄20'15	
morning max el	6296 Dec 02 07:09	24°♄48'51	17°49'23	direct	6297 Nov 08 22:10	4°♄58'20	
	6296 Dec 06 13:30	0°♄		asc. node	6297 Nov 11 18:21	5°♄33'37	
morning set	6296 Dec 18 17:00	19°♄59'23		morning max el	6297 Nov 15 22:38	8°♄30'35	17°54'12
	6296 Dec 24 12:33	0°♄			6297 Nov 29 22:06	0°♄	
desc. node	6296 Dec 30 14:27	10°♄11'34		morning set	6297 Dec 01 16:36	3°♄13'03	
superior conj	6296 Dec 31 00:03	10°♄51'10	-0°02'52	superior conj	6297 Dec 12 06:04	22°♄05'16	0°37'07
minimum elong	6296 Dec 30 23:45	10°♄49'56	0°02'47	minimum elong	6297 Dec 12 09:06	22°♄18'21	0°36'43
behind sun begin	6296 Dec 30 14:18	10°♄10'56			6297 Dec 16 21:36	0°♄	
behind sun end	6296 Dec 31 09:13	11°♄28'51		desc. node	6297 Dec 17 11:29	0°♄57'59	
max. Earth dist.	6297 Jan 06 02:31	20°♄44'37	1.44300 AU	max. Earth dist.	6297 Dec 19 16:20	4°♄36'30	1.42796 AU
	6297 Jan 11 23:26	0°♄		evening rise	6297 Dec 26 05:30	15°♄07'34	
evening rise	6297 Jan 15 12:37	5°♄29'39			6298 Jan 04 22:52	0°♄	
	6297 Jan 31 22:12	0°♄		evening max el	6298 Jan 27 07:53	29°♄48'48	22°00'58
evening max el	6297 Feb 13 12:16	16°♄11'31	20°47'02		6298 Jan 27 12:19	0°♄	
asc. node	6297 Feb 20 20:34	21°♄00'14		retrograde	6298 Feb 05 16:45	5°♄22'35	
retrograde	6297 Feb 21 19:34	21°♄05'05		asc. node	6298 Feb 07 17:36	5°♄00'53	
evening set	6297 Feb 25 20:26	19°♄32'07		evening set	6298 Feb 10 04:14	3°♄34'22	
inferior conj	6297 Mar 03 04:25	13°♄21'41	2°53'18		6298 Feb 13 11:38	30°♄	
minimum elong	6297 Mar 03 02:13	13°♄29'16	2°52'49	inferior conj	6298 Feb 15 12:19	27°♄14'38	2°21'01
min. Earth dist.	6297 Mar 03 16:51	12°♄38'54	0.67809 AU	minimum elong	6298 Feb 15 09:59	27°♄22'46	2°20'20
morning rise	6297 Mar 08 07:48	7°♄07'27		min. Earth dist.	6298 Feb 15 12:30	27°♄14'00	0.68190 AU
direct	6297 Mar 13 18:41	4°♄42'14		morning rise	6298 Feb 20 15:33	21°♄03'35	
morning max el	6297 Mar 24 17:15	11°♄14'26	23°59'06	direct	6298 Feb 25 12:07	18°♄59'21	

morning max el	6298 Mar 07 03:39	24°  40'38	22°29'47			6299 Mar 06 10:47	0° 		
	6298 Mar 11 21:52	0° 		morning set		6299 Mar 20 11:54	21°  18'39		
desc. node	6298 Mar 15 10:48	4°  28'15				6299 Mar 25 22:53	0° 		
	6298 Apr 02 03:14	0° 		max. Earth dist.		6299 Mar 28 00:39	3°  22'05	1.42576 AU	
morning set	6298 Apr 09 23:17	12°  27'46							
max. Earth dist.	6298 Apr 14 21:36	20°  40'21	1.40532 AU	superior conj		6299 Apr 04 05:13	15°  22'33	-2°07'06	
	6298 Apr 20 06:50	0° 		minimum elong		6299 Apr 04 08:16	15°  35'32	2°07'00	
						6299 Apr 12 13:57	0° 		
superior conj	6298 Apr 22 16:59	4°  19'30	-1°50'46	evening rise		6299 Apr 15 18:07	5°  41'29		
minimum elong	6298 Apr 22 22:13	4°  43'06	1°50'19	asc. node		6299 Apr 23 13:53	19°  30'32		
evening rise	6298 May 02 19:22	23°  03'56				6299 Apr 30 16:21	0° 		
asc. node	6298 May 06 16:51	0° 		evening max el		6299 May 02 09:26	1°  51'40	18°06'49	
	6298 May 06 12:20	0° 		retrograde		6299 May 09 01:05	5°  15'26		
evening max el	6298 May 18 22:22	18°  53'20	18°21'53	evening set		6299 May 11 15:37	4°  44'18		
retrograde	6298 May 26 06:49	22°  33'04		inferior conj		6299 May 18 07:08	29°  47'25	2°45'52	
evening set	6298 May 28 14:16	22°  12'19		minimum elong		6299 May 18 10:10	29°  40'08	2°45'10	
inferior conj	6298 Jun 04 22:44	17°  36'06	1°47'45			6299 May 18 01:53	30°  48		
minimum elong	6298 Jun 05 01:53	17°  29'34	1°46'45	min. Earth dist.		6299 May 21 12:20	26°  43'46	0.60870 AU	
min. Earth dist.	6298 Jun 08 08:55	14°  47'38	0.58652 AU	morning rise		6299 May 25 02:29	23°  52'34		
desc. node	6298 Jun 11 10:06	12°  38'55		desc. node		6299 May 29 07:08	21°  58'39		
morning rise	6298 Jun 12 10:21	12°  04'16		direct		6299 May 31 18:08	21°  40'52		
direct	6298 Jun 18 13:32	10°  24'36		morning max el		6299 Jun 15 00:43	29°  38'01	27°49'31	
morning max el	6298 Jul 02 22:46	18°  09'38	27°11'44			6299 Jun 15 09:30	0° 		
	6298 Jul 12 20:22	0° 				6299 Jul 06 20:06	0° 		
	6298 Jul 30 10:58	0° 		morning set		6299 Jul 17 17:29	20°  43'45		
morning set	6298 Aug 02 12:40	6°  01'01		asc. node		6299 Jul 20 13:10	26°  39'19		
asc. node	6298 Aug 02 16:07	6°  03'12				6299 Jul 22 02:29	0° 		
				max. Earth dist.		6299 Jul 23 17:46	3°  03'55	1.31974 AU	
superior conj	6298 Aug 09 13:43	21°  03'51	1°06'10						
minimum elong	6298 Aug 09 11:28	21°  02'53	1°05'45	superior conj		6299 Jul 25 00:38	6°  23'26	0°44'58	
max. Earth dist.	6298 Aug 09 07:42	21°  04'32	1.31833 AU	minimum elong		6299 Jul 24 22:48	6°  13'19	0°44'34	
	6298 Aug 13 08:46	0° 		evening rise		6299 Jul 31 19:41	21°  14'37		
evening rise	6298 Aug 16 08:59	6°  09'25				6299 Aug 05 01:00	0° 		
	6298 Aug 28 15:49	0° 				6299 Aug 23 21:18	0° 		
desc. node	6298 Sep 07 09:20	14°  02'21		desc. node		6299 Aug 25 06:22	1°  31'45		
evening max el	6298 Sep 14 16:50	22°  42'24	26°27'36	evening max el		6299 Aug 27 10:05	3°  42'59	25°10'47	
retrograde	6298 Sep 28 15:14	29°  49'36		retrograde		6299 Sep 10 07:48	10°  44'51		
evening set	6298 Oct 05 07:29	27°  45'22		evening set		6299 Sep 16 00:54	9°  30'21		
min. Earth dist.	6298 Oct 09 06:22	25°  42'29	0.59480 AU	min. Earth dist.		6299 Sep 20 21:35	6°  49'11	0.57476 AU	
inferior conj	6298 Oct 12 11:46	22°  45'28	-4°44'31	inferior conj		6299 Sep 23 20:49	4°  49'26	-5°19'43	
minimum elong	6298 Oct 12 18:01	22°  42'16	4°43'15	minimum elong		6299 Sep 23 23:38	4°  44'40	5°19'32	
morning rise	6298 Oct 20 06:44	18°  41'10		morning rise		6299 Oct 02 00:37	0° 		
direct	6298 Oct 22 14:11	18°  00'12		direct		6299 Oct 04 12:53	0° 		
asc. node	6298 Oct 29 15:24	21°  07'34		morning max el		6299 Oct 13 11:02	4°  32'39	19°04'21	
morning max el	6298 Oct 30 09:05	21°  48'26	18°18'41	asc. node		6299 Oct 16 12:27	7°  45'04		
	6298 Nov 05 17:08	0° 				6299 Oct 29 11:55	0° 		
morning set	6298 Nov 15 06:06	17°  05'49		morning set		6299 Oct 30 05:05	1°  24'48		
	6298 Nov 22 01:45	0° 							
superior conj	6298 Nov 24 11:50	4°  27'52	1°07'29	superior conj		6299 Nov 07 12:06	17°  43'57	1°27'51	
minimum elong	6298 Nov 24 15:33	4°  44'52	1°07'03	minimum elong		6299 Nov 07 14:58	17°  57'47	1°27'38	
max. Earth dist.	6298 Dec 02 01:37	17°  45'33	1.40862 AU			6299 Nov 14 01:56	0° 		
desc. node	6298 Dec 04 08:32	21°  43'47		max. Earth dist.		6299 Nov 14 07:17	0°  42'04	1.38734 AU	
evening rise	6298 Dec 06 16:49	25°  43'55		evening rise		6299 Nov 18 02:34	7°  40'22		
	6298 Dec 09 09:42	0° 		desc. node		6299 Nov 21 05:34	12°  42'54		
	6298 Dec 29 17:38	0° 				6299 Dec 02 08:59	0° 		
evening max el	6299 Jan 09 23:28	13°  29'24	23°20'24	evening max el		6299 Dec 23 12:42	27°  31'43	24°39'15	
retrograde	6299 Jan 20 11:15	19°  41'39		retrograde		6299 Dec 26 14:17	0° 		
evening set	6299 Jan 25 10:47	17°  38'02		evening set		6300 Jan 04 01:57	3°  57'08		
asc. node	6299 Jan 25 14:38	17°  29'49				6300 Jan 09 14:32	1°  39'00		
inferior conj	6299 Jan 30 20:33	11°  42'32	1°40'34	asc. node		6300 Jan 11 07:15	30°  48		
minimum elong	6299 Jan 30 18:32	11°  19'29	1°39'52	min. Earth dist.		6300 Jan 12 11:41	28°  37'54		
min. Earth dist.	6299 Jan 30 09:15	11°  41'20	0.68174 AU	inferior conj		6300 Jan 14 04:49	26°  32'25	0.67780 AU	
morning rise	6299 Feb 05 02:11	5°  06'17		minimum elong		6300 Jan 15 03:15	25°  31'52	0°52'43	
direct	6299 Feb 09 08:39	3°  24'53		morning rise		6300 Jan 20 13:41	19°  31'20'7		
morning max el	6299 Feb 17 19:32	8°  17'32	21°06'41	direct		6300 Jan 24 07:01	17°  32'42		
desc. node	6299 Mar 02 07:49	24°  03'56		morning max el		6300 Jan 31 19:10	22°  30'6'24	19°55'16	

	6300 Feb 07 09:37	0°♊		morning max el	6301 Jan 15 02:31	6°♊05'04	18°58'37
desc. node	6300 Feb 17 04:50	14°♊04'35			6301 Feb 01 06:00	0°♊	
morning set	6300 Feb 27 08:48	29°♊32'08		desc. node	6301 Feb 04 01:50	4°♊23'24	
	6300 Feb 27 16:02	0°♋		morning set	6301 Feb 06 14:26	8°♊19'20	
max. Earth dist.	6300 Mar 10 11:04	16°♋54'12	1.44172 AU		6301 Feb 20 11:25	0°♋	
				max. Earth dist.	6301 Feb 21 02:54	1°♋00'46	1.45142 AU
superior conj	6300 Mar 15 16:16	25°♋18'00	-2°08'40				
minimum elong	6300 Mar 15 13:38	25°♋07'17	2°08'37	superior conj	6301 Feb 23 04:45	4°♋16'52	-1°50'46
	6300 Mar 18 13:11	0°♌		minimum elong	6301 Feb 22 20:10	3°♋43'03	1°50'07
evening rise	6300 Mar 28 22:17	17°♌27'38		evening rise	6301 Mar 10 04:00	28°♋16'03	
	6300 Apr 05 07:13	0°♍			6301 Mar 11 05:30	0°♌	
asc. node	6300 Apr 10 10:55	8°♍11'21		asc. node	6301 Mar 28 07:57	26°♌14'06	
evening max el	6300 Apr 15 22:25	15°♍07'53	18°10'56	evening max el	6301 Mar 30 10:30	28°♌35'03	18°33'33
retrograde	6300 Apr 22 08:07	18°♍30'42			6301 Mar 31 23:34	0°♍	
evening set	6300 Apr 25 05:13	17°♍47'38		retrograde	6301 Apr 05 23:25	2°♍09'52	
inferior conj	6300 May 01 07:53	12°♍31'32	3°17'46	evening set	6301 Apr 09 03:11	1°♍13'48	
minimum elong	6300 May 01 09:37	12°♍26'50	3°17'32		6301 Apr 10 19:52	30°♌♌	
min. Earth dist.	6300 May 04 00:46	9°♍36'12	0.63014 AU	inferior conj	6301 Apr 14 20:51	25°♌40'12	3°29'06
morning rise	6300 May 07 12:40	6°♍23'26		minimum elong	6301 Apr 14 21:04	25°♌39'34	3°29'04
direct	6300 May 14 08:19	3°♍47'24		min. Earth dist.	6301 Apr 16 22:34	23°♌11'32	0.64883 AU
desc. node	6300 May 16 04:08	3°♍57'38		morning rise	6301 Apr 20 14:14	19°♌26'02	
morning max el	6300 May 28 08:04	11°♍48'53	27°49'17	direct	6301 Apr 27 06:33	16°♌37'58	
	6300 Jun 11 17:30	0°♎		desc. node	6301 May 03 01:09	18°♌20'56	
	6300 Jun 29 05:56	0°♏		morning max el	6301 May 10 17:59	24°♌32'52	27°14'00
morning set	6300 Jul 01 16:05	4°♏47'43			6301 May 15 16:10	0°♍	
max. Earth dist.	6300 Jul 06 23:04	15°♏46'24	1.32555 AU		6301 Jun 05 03:38	0°♎	
asc. node	6300 Jul 07 10:12	16°♏45'52		morning set	6301 Jun 15 05:37	18°♎21'56	
				max. Earth dist.	6301 Jun 19 19:34	27°♎30'30	1.33607 AU
superior conj	6300 Jul 09 08:51	20°♏57'02	0°19'59		6301 Jun 21 00:37	0°♏	
minimum elong	6300 Jul 09 07:55	20°♏51'57	0°19'45				
	6300 Jul 13 12:41	0°♐		superior conj	6301 Jun 23 12:17	5°♏12'01	-0°08'07
evening rise	6300 Jul 16 07:28	5°♐59'46		minimum elong	6301 Jun 23 12:42	5°♏14'15	0°08'04
	6300 Jul 28 23:21	0°♑		behind sun begin	6301 Jun 23 07:52	4°♏48'44	
evening max el	6300 Aug 08 22:13	14°♑07'51	23°35'47	behind sun end	6301 Jun 23 17:32	5°♏39'48	
desc. node	6300 Aug 12 03:23	16°♑54'52		asc. node	6301 Jun 24 07:12	6°♏52'09	
retrograde	6300 Aug 22 12:42	20°♑57'21		evening rise	6301 Jun 30 18:25	20°♏38'06	
evening set	6300 Aug 26 18:51	20°♑17'35			6301 Jul 05 08:19	0°♐	
min. Earth dist.	6300 Sep 02 08:03	17°♑11'59	0.55832 AU	evening max el	6301 Jul 21 13:04	24°♐28'15	21°58'41
inferior conj	6300 Sep 04 09:45	15°♑57'52	-5°17'15		6301 Jul 29 19:16	0°♑	
minimum elong	6300 Sep 04 05:57	16°♑03'33	5°16'56	desc. node	6301 Jul 30 00:24	0°♑04'24	
morning rise	6300 Sep 12 19:28	12°♑04'00		retrograde	6301 Aug 03 05:56	0°♑46'24	
direct	6300 Sep 15 15:53	11°♑43'53		evening set	6301 Aug 06 01:22	0°♑28'46	
morning max el	6300 Sep 26 01:39	16°♑34'54	20°12'05		6301 Aug 07 20:46	30°♌♐	
asc. node	6300 Oct 03 09:29	25°♑41'06		min. Earth dist.	6301 Aug 14 17:38	26°♐44'49	0.54881 AU
	6300 Oct 06 01:13	0°♒		inferior conj	6301 Aug 15 06:57	26°♐26'09	-4°22'50
morning set	6300 Oct 14 10:28	16°♒01'23		minimum elong	6301 Aug 14 22:05	26°♐38'34	4°20'44
	6300 Oct 21 06:10	0°♓		morning rise	6301 Aug 23 20:18	22°♐36'19	
				direct	6301 Aug 27 03:51	22°♐12'00	
superior conj	6300 Oct 22 01:55	1°♓39'42	1°39'11	morning max el	6301 Sep 08 03:49	27°♐49'42	21°40'22
minimum elong	6300 Oct 22 03:22	1°♓47'01	1°39'09		6301 Sep 10 07:33	0°♑	
max. Earth dist.	6300 Oct 27 13:26	12°♓24'54	1.36670 AU	asc. node	6301 Sep 20 06:31	14°♑11'23	
evening rise	6300 Oct 31 09:19	19°♓33'00			6301 Sep 28 10:33	0°♒	
	6300 Nov 06 08:10	0°♓		morning set	6301 Sep 28 19:46	0°♒47'59	
desc. node	6300 Nov 08 02:36	2°♓57'27					
	6300 Nov 26 11:16	0°♔		superior conj	6301 Oct 06 01:13	16°♒02'17	1°42'43
evening max el	6300 Dec 06 01:22	10°♔57'24	25°50'29	minimum elong	6301 Oct 06 01:14	16°♒02'22	1°42'44
retrograde	6300 Dec 18 12:03	18°♔03'52		max. Earth dist.	6301 Oct 10 01:26	24°♒16'54	1.34875 AU
evening set	6300 Dec 24 13:47	15°♔33'47			6301 Oct 12 22:40	0°♓	
min. Earth dist.	6300 Dec 28 20:59	10°♔55'48	0.67022 AU	evening rise	6301 Oct 14 09:09	2°♓46'18	
inferior conj	6300 Dec 30 06:37	9°♔09'48	-0°01'47	desc. node	6301 Oct 25 23:37	23°♓15'49	
minimum elong	6300 Dec 30 06:40	9°♔09'40	0°01'44		6301 Oct 30 06:17	0°♓	
transit middle	6300 Dec 30 06:40	9°♔09'40	0°01'44	evening max el	6301 Nov 18 14:17	24°♓37'52	26°46'49
transit begin	6300 Dec 30 03:51	9°♔18'34			6301 Nov 25 10:55	0°♔	
transit end	6300 Dec 30 09:28	9°♔00'48		retrograde	6301 Dec 01 16:46	1°♔54'57	
asc. node	6300 Dec 30 08:43	9°♔03'10			6301 Dec 07 08:01	30°♌♓	
morning rise	6301 Jan 05 00:02	3°♔18'32		evening set	6301 Dec 08 06:37	29°♓17'38	
direct	6301 Jan 08 05:49	2°♔18'21		min. Earth dist.	6301 Dec 12 07:29	25°♓14'29	0.65907 AU

inferior conj	6301 Dec 14 04:36	23°  02'17	-1°01'59	minimum elong	6302 Nov 27 22:37	6°  33'47	2°04'48
minimum elong	6301 Dec 14 06:22	22°  57'07	1°01'12	morning rise	6302 Dec 04 07:59	1°  17'33	
asc. node	6301 Dec 17 05:45	19°  41'25		asc. node	6302 Dec 04 02:48	1°  23'19	
morning rise	6301 Dec 20 07:01	17°  21'57		direct	6302 Dec 06 20:54	0°  44'28	
direct	6301 Dec 23 03:14	16°  37'17		morning max el	6302 Dec 13 08:16	4°  08'51	17°54'50
morning max el	6301 Dec 29 15:45	20°  08'04	18°18'14		6302 Dec 30 11:02	0° 	
	6302 Jan 06 06:39	0° 		morning set	6302 Dec 30 12:41	0° 	06'57
morning set	6302 Jan 17 23:00	18°  30'03		desc. node	6303 Jan 08 19:52	15° 	35'34
desc. node	6302 Jan 21 22:51	24°  55'14					
	6302 Jan 25 03:11	0° 		superior conj	6303 Jan 12 23:03	22° 	17'45 -0°28'57
				minimum elong	6303 Jan 12 19:39	22° 	04'03 0°28'25
superior conj	6302 Feb 02 08:23	12°  59'00	-1°14'33	max. Earth dist.	6303 Jan 17 17:08	29° 	52'28 1.44900 AU
minimum elong	6302 Feb 01 23:45	12°  25'07	1°13'30		6303 Jan 17 19:03	0° 	
max. Earth dist.	6302 Feb 03 21:45	15°  25'35	1.45390 AU	evening rise	6303 Jan 29 00:53	17° 	30'02
	6302 Feb 13 05:25	0° 			6303 Feb 06 05:40	0° 	
evening rise	6302 Feb 18 10:43	8°  10'16		greatest brilliancy	6303 Feb 12 19:38	9° 	48'35 -0.6m
greatest brilliancy	6302 Mar 01 12:18	25°  25'05	-0.8m	evening max el	6303 Feb 24 23:32	25° 	43'14 20°09'09
	6302 Mar 04 13:03	0° 		asc. node	6303 Mar 02 02:01	29° 	37'25
evening max el	6302 Mar 13 19:26	12°  08'10	19°13'33		6303 Mar 03 02:35	0° 	
asc. node	6302 Mar 15 04:59	13°  27'35		retrograde	6303 Mar 04 17:38	0° 	14'14
retrograde	6302 Mar 20 19:31	16°  06'23			6303 Mar 06 07:31	30° 	
evening set	6302 Mar 24 06:37	14°  56'28		evening set	6303 Mar 08 13:11	28° 	49'42
inferior conj	6302 Mar 29 18:31	9°  06'57	3°24'37	inferior conj	6303 Mar 13 21:57	22° 	46'16 3°07'43
minimum elong	6302 Mar 29 17:27	9°  10'22	3°24'32	minimum elong	6303 Mar 13 20:03	22° 	52'44 3°07'24
min. Earth dist.	6302 Mar 31 04:52	7°  16'20	0.66362 AU	min. Earth dist.	6303 Mar 14 17:57	21° 	38'38 0.67408 AU
morning rise	6302 Apr 04 03:56	2°  51'09		morning rise	6303 Mar 19 02:41	16° 	31'11
direct	6302 Apr 10 11:23	0°  04'06		direct	6303 Mar 24 21:40	13° 	55'56
desc. node	6302 Apr 19 22:08	4°  36'10		morning max el	6303 Apr 05 12:48	20° 	53'28 24°49'59
morning max el	6302 Apr 23 03:54	7°  37'48	26°11'05	desc. node	6303 Apr 06 19:09	22° 	31'26
	6302 May 10 13:36	0° 			6303 Apr 13 09:17	0° 	
	6302 May 28 13:59	0° 			6303 May 03 18:45	0° 	
morning set	6302 May 29 06:28	1°  16'23		morning set	6303 May 11 13:47	13° 	16'57
max. Earth dist.	6302 Jun 02 04:57	8°  45'50	1.35136 AU	max. Earth dist.	6303 May 15 04:36	19° 	48'46 1.37078 AU
					6303 May 20 14:09	0° 	
superior conj	6302 Jun 07 08:33	19°  10'00	-0°38'12	superior conj	6303 May 21 18:35	2° 	18'09 -1°08'41
minimum elong	6302 Jun 07 10:42	19°  12'58	0°37'49	minimum elong	6303 May 21 22:32	2° 	37'29 1°08'04
asc. node	6302 Jun 11 04:14	26°  54'37		asc. node	6303 May 29 01:16	16° 	48'36
	6302 Jun 12 15:53	0° 		evening rise	6303 May 30 05:32	19° 	10'28
evening rise	6302 Jun 15 02:34	5°  04'08			6303 Jun 04 19:02	0° 	
	6302 Jun 29 02:06	0° 		evening max el	6303 Jun 16 04:15	16° 	46'35 19°25'55
evening max el	6302 Jul 03 14:17	5°  16'28	20°33'01	retrograde	6303 Jun 25 14:37	21° 	24'18
retrograde	6302 Jul 14 18:03	10°  45'33		evening set	6303 Jun 27 12:30	21° 	13'43
evening set	6302 Jul 16 18:33	10°  35'31		desc. node	6303 Jul 03 18:25	18° 	37'15
desc. node	6302 Jul 16 21:24	10°  34'19		inferior conj	6303 Jul 06 03:56	17° 	07'04 -0°43'20
inferior conj	6302 Jul 26 00:10	6°  38'33	-2°41'40	minimum elong	6303 Jul 06 02:00	17° 	10'12 0°42'38
minimum elong	6302 Jul 25 16:48	6°  49'09	2°39'08	min. Earth dist.	6303 Jul 08 17:33	15° 	27'53 0.55781 AU
min. Earth dist.	6302 Jul 27 04:25	5°  57'50	0.54860 AU	morning rise	6303 Jul 14 12:51	12° 	29'32
morning rise	6302 Aug 03 14:23	2°  33'06		direct	6303 Jul 19 07:53	11° 	37'41
direct	6302 Aug 07 13:24	1°  59'22		morning max el	6303 Aug 02 09:24	18° 	42'48 25°06'01
morning max el	6302 Aug 20 20:17	8°  24'40	23°22'37		6303 Aug 11 20:01	0° 	
	6302 Sep 05 09:26	0° 		asc. node	6303 Aug 25 00:35	22° 	43'52
asc. node	6302 Sep 07 03:33	3°  15'11		morning set	6303 Aug 28 18:49	0° 	30'20
morning set	6302 Sep 13 07:07	15°  39'14			6303 Aug 28 13:05	0° 	
	6302 Sep 19 23:02	0° 					
superior conj	6302 Sep 20 06:55	0°  42'24	1°39'33	superior conj	6303 Sep 04 16:35	15° 	32'37 1°30'34
minimum elong	6302 Sep 20 05:46	0°  36'12	1°39'29	minimum elong	6303 Sep 04 14:39	15° 	22'01 1°30'21
max. Earth dist.	6302 Sep 22 22:14	6°  20'07	1.33468 AU	max. Earth dist.	6303 Sep 06 02:59	18° 	40'40 1.32488 AU
evening rise	6302 Sep 27 22:00	16°  35'31			6303 Sep 11 10:30	0° 	
	6302 Oct 05 00:00	0° 		evening rise	6303 Sep 11 20:22	0° 	50'55
desc. node	6302 Oct 12 20:39	13°  13'24			6303 Sep 27 23:17	0° 	
	6302 Oct 24 18:36	0° 		desc. node	6303 Sep 29 17:40	2° 	41'34
evening max el	6302 Nov 01 02:52	8°  04'13	27°20'52	evening max el	6303 Oct 14 13:01	21° 	03'16 27°26'13
retrograde	6302 Nov 14 15:17	15°  22'31		retrograde	6303 Oct 28 07:02	28° 	18'07
evening set	6302 Nov 21 14:38	12°  44'57		evening set	6303 Nov 04 10:48	25° 	49'35
min. Earth dist.	6302 Nov 25 09:58	9°  15'45	0.64451 AU	min. Earth dist.	6303 Nov 08 02:31	22° 	50'16 0.62682 AU
inferior conj	6302 Nov 27 18:51	6°  43'52	-2°06'21	inferior conj	6303 Nov 10 22:34	20° 	07'55 -3°12'02

minimum elong	6303 Nov 11 04:15	19°♄54'17	3°10'01	retrograde	6304 Oct 09 15:14	10°♄31'21	
morning rise	6303 Nov 17 23:30	14°♄59'08		evening set	6304 Oct 16 15:02	8°♄23'29	
direct	6303 Nov 20 07:45	14°♄34'01		min. Earth dist.	6304 Oct 20 08:14	5°♄44'14	0.60678 AU
asc. node	6303 Nov 20 23:51	14°♄36'07		inferior conj	6304 Oct 23 12:20	3°♄04'34	-4°13'56
morning max el	6303 Nov 27 01:07	18°♄00'40	17°49'09	minimum elong	6304 Oct 23 19:01	2°♄50'30	4°12'10
	6303 Dec 05 16:18	0°♄			6304 Oct 27 12:03	30°♄	
morning set	6303 Dec 13 01:52	12°♄51'50		morning rise	6304 Oct 31 01:09	28°♄16'43	
	6303 Dec 22 22:02	0°♄		direct	6304 Nov 02 07:47	27°♄56'23	
				asc. node	6304 Nov 06 20:54	29°♄21'26	
superior conj	6303 Dec 24 14:02	2°♄48'52	0°15'10		6304 Nov 07 19:24	0°♄	
minimum elong	6303 Dec 24 15:30	2°♄55'03	0°14'58	morning max el	6304 Nov 09 14:57	1°♄33'57	18°02'11
behind sun begin	6303 Dec 24 12:11	2°♄41'09		morning set	6304 Nov 25 07:58	26°♄24'00	
behind sun end	6303 Dec 24 18:48	3°♄08'56			6304 Nov 27 06:31	0°♄	
desc. node	6303 Dec 26 16:55	6°♄21'13		superior conj	6304 Dec 05 06:46	14°♄34'20	0°51'13
max. Earth dist.	6303 Dec 31 10:09	14°♄04'10	1.43730 AU	minimum elong	6304 Dec 05 10:21	14°♄50'12	0°50'46
evening rise	6304 Jan 08 12:24	26°♄51'11		desc. node	6304 Dec 12 13:57	27°♄07'57	
	6304 Jan 10 13:23	0°♄		max. Earth dist.	6304 Dec 12 22:02	27°♄41'41	1.42012 AU
	6304 Jan 31 03:54	0°♄			6304 Dec 14 07:24	0°♄	
evening max el	6304 Feb 07 22:06	9°♄19'30	21°17'24	evening rise	6304 Dec 18 12:03	6°♄48'22	
retrograde	6304 Feb 16 15:44	14°♄29'46			6305 Jan 02 18:39	0°♄	
asc. node	6304 Feb 16 23:04	14°♄29'16		evening max el	6305 Jan 20 15:39	22°♄57'27	22°34'20
evening set	6304 Feb 20 21:02	12°♄50'06		retrograde	6305 Jan 30 12:04	28°♄48'39	
inferior conj	6304 Feb 26 04:50	6°♄35'12	2°40'39	asc. node	6305 Feb 02 20:07	27°♄51'13	
minimum elong	6304 Feb 26 02:31	6°♄43'15	2°40'04	evening set	6305 Feb 04 04:31	26°♄53'42	
min. Earth dist.	6304 Feb 26 11:50	6°♄10'57	0.68025 AU	inferior conj	6305 Feb 09 13:07	20°♄30'45	2°04'49
morning rise	6304 Mar 02 07:51	0°♄22'23		minimum elong	6305 Feb 09 10:51	20°♄38'36	2°04'06
	6304 Mar 02 18:22	30°♄		min. Earth dist.	6305 Feb 09 08:17	20°♄47'32	0.68230 AU
direct	6304 Mar 07 12:39	28°♄05'55		morning rise	6305 Feb 14 17:04	14°♄21'31	
	6304 Mar 12 21:03	0°♄		direct	6305 Feb 19 07:25	12°♄27'12	
morning max el	6304 Mar 17 22:00	4°♄16'22	23°20'52	morning max el	6305 Feb 28 10:29	17°♄47'23	21°53'16
desc. node	6304 Mar 23 16:12	10°♄47'20			6305 Mar 10 11:57	0°♄	
	6304 Apr 06 15:16	0°♄		desc. node	6305 Mar 10 13:15	0°♄04'24	
morning set	6304 Apr 21 21:48	24°♄08'53			6305 Mar 30 18:06	0°♄	
	6304 Apr 25 08:04	0°♄		morning set	6305 Apr 02 01:55	3°♄42'08	
max. Earth dist.	6304 Apr 26 00:20	1°♄10'41	1.39264 AU	max. Earth dist.	6305 Apr 07 22:56	13°♄18'24	1.41435 AU
superior conj	6304 May 03 14:29	14°♄50'49	-1°36'57	superior conj	6305 Apr 15 15:38	26°♄29'29	-1°59'08
minimum elong	6304 May 03 19:42	15°♄15'03	1°36'21	minimum elong	6305 Apr 15 20:22	26°♄50'17	1°58'49
	6304 May 11 13:24	0°♄			6305 Apr 17 15:09	0°♄	
evening rise	6304 May 13 00:29	2°♄49'30		evening rise	6305 Apr 26 07:50	15°♄52'23	
asc. node	6304 May 14 22:17	6°♄29'43		asc. node	6305 May 01 19:20	25°♄52'55	
evening max el	6304 May 29 05:10	28°♄57'36	18°39'23		6305 May 04 04:06	0°♄	
	6304 May 30 08:29	0°♄		evening max el	6305 May 12 13:35	11°♄41'42	18°13'07
retrograde	6304 Jun 06 04:52	2°♄54'26		retrograde	6305 May 19 13:42	15°♄13'00	
evening set	6304 Jun 08 08:00	2°♄38'32		evening set	6305 May 22 00:03	14°♄48'16	
	6304 Jun 13 17:14	30°♄		inferior conj	6305 May 29 00:52	10°♄03'21	2°15'57
inferior conj	6304 Jun 16 03:38	28°♄13'50	1°00'41	minimum elong	6305 May 29 04:12	9°♄56'00	2°15'00
minimum elong	6304 Jun 16 05:48	28°♄09'45	0°59'54	min. Earth dist.	6305 Jun 01 10:16	7°♄05'03	0.59577 AU
min. Earth dist.	6304 Jun 19 10:51	25°♄45'15	0.57458 AU	morning rise	6305 Jun 05 05:27	4°♄20'05	
desc. node	6304 Jun 19 15:28	25°♄37'01		desc. node	6305 Jun 06 12:30	3°♄38'50	
morning rise	6304 Jun 24 00:13	22°♄59'38		direct	6305 Jun 11 14:50	2°♄26'08	
direct	6304 Jun 29 16:29	21°♄39'25		morning max el	6305 Jun 25 23:49	10°♄18'21	27°32'29
morning max el	6304 Jul 14 01:32	29°♄13'29	26°34'01		6305 Jul 11 05:26	0°♄	
	6304 Jul 14 20:20	0°♄		morning set	6305 Jul 27 12:36	29°♄50'06	
	6304 Aug 04 13:17	0°♄			6305 Jul 27 14:30	0°♄	
asc. node	6304 Aug 10 21:36	12°♄30'05		asc. node	6305 Jul 28 18:38	2°♄28'08	
morning set	6304 Aug 12 05:12	15°♄15'43		max. Earth dist.	6305 Aug 02 23:25	13°♄45'51	1.31832 AU
	6304 Aug 18 23:28	0°♄		superior conj	6305 Aug 03 15:49	15°♄16'29	0°57'41
superior conj	6304 Aug 19 04:09	0°♄25'55	1°16'26	minimum elong	6305 Aug 03 13:41	15°♄04'41	0°57'16
minimum elong	6304 Aug 19 01:52	0°♄13'21	1°16'05	evening rise	6305 Aug 10 10:32	0°♄06'17	
max. Earth dist.	6304 Aug 19 12:34	1°♄12'27	1.31943 AU		6305 Aug 10 09:21	0°♄	
evening rise	6304 Aug 26 01:20	15°♄23'30			6305 Aug 26 16:39	0°♄	
	6304 Sep 02 09:35	0°♄		desc. node	6305 Sep 02 11:43	9°♄14'44	
desc. node	6304 Sep 15 14:43	21°♄27'40		evening max el	6305 Sep 07 15:33	14°♄49'28	25°58'04
	6304 Sep 22 11:29	0°♄		retrograde	6305 Sep 21 14:30	21°♄55'31	
evening max el	6304 Sep 25 17:56	3°♄20'46	26°58'33				

evening set	6305 Sep 27 22:26	20° Ω 19'46		evening set	6306 Sep 08 05:13	1° Ω 31'44	
min. Earth dist.	6305 Oct 02 04:14	17° Ω 44'28	0.58603 AU		6306 Sep 11 12:05	30° \mathbb{R} \mathbb{M}	
inferior conj	6305 Oct 05 08:43	15° Ω 24'51	-5°02'55	min. Earth dist.	6306 Sep 13 17:13	28° \mathbb{M} 41'54	0.56711 AU
minimum elong	6305 Oct 05 13:59	15° Ω 15'10	5°02'08	inferior conj	6306 Sep 16 09:04	27° \mathbb{M} 00'14	-5°24'24
morning rise	6305 Oct 13 07:51	10° Ω 59'42		minimum elong	6306 Sep 16 09:18	26° \mathbb{M} 59'52	5°24'24
direct	6305 Oct 15 16:39	10° Ω 41'21		morning rise	6306 Sep 24 15:40	22° \mathbb{M} 56'31	
morning max el	6305 Oct 23 22:16	14° Ω 39'23	18°35'23	direct	6306 Sep 27 06:55	22° \mathbb{M} 37'35	
asc. node	6305 Oct 24 17:57	15° Ω 28'48		morning max el	6306 Oct 06 19:36	27° \mathbb{M} 06'26	19°30'24
	6305 Nov 03 12:47	0° \mathbb{M}			6306 Oct 09 12:26	0° Ω	
morning set	6305 Nov 09 01:55	10° \mathbb{M} 28'57		asc. node	6306 Oct 11 14:58	2° Ω 42'53	
				morning set	6306 Oct 24 03:58	24° Ω 56'27	
					6306 Oct 26 16:14	0° \mathbb{M}	
superior conj	6305 Nov 17 21:02	27° \mathbb{M} 21'36	1°17'16	superior conj	6306 Nov 01 03:35	10° \mathbb{M} 56'00	1°33'41
minimum elong	6305 Nov 18 00:31	27° \mathbb{M} 37'53	1°16'56	minimum elong	6306 Nov 01 05:53	11° \mathbb{M} 07'18	1°33'33
	6305 Nov 19 07:08	0° \mathbb{M}		max. Earth dist.	6306 Nov 07 10:00	22° \mathbb{M} 52'43	1.37839 AU
max. Earth dist.	6305 Nov 25 04:50	10° \mathbb{M} 36'00	1.39966 AU	evening rise	6306 Nov 11 03:54	29° \mathbb{M} 38'25	
evening rise	6305 Nov 29 08:47	17° \mathbb{M} 43'07			6306 Nov 11 08:47	0° \mathbb{M}	
desc. node	6305 Nov 29 10:58	17° \mathbb{M} 52'15		desc. node	6306 Nov 16 07:58	8° \mathbb{M} 30'30	
	6305 Dec 06 23:02	0° \mathbb{Z}			6306 Nov 30 06:35	0° \mathbb{Z}	
	6305 Dec 28 06:40	0° \approx		evening max el	6306 Dec 16 18:55	20° \mathbb{Z} 24'21	25°11'01
evening max el	6306 Jan 03 05:55	6° \approx 38'59	23°54'26	retrograde	6306 Dec 28 17:58	27° \mathbb{Z} 19'09	
retrograde	6306 Jan 14 05:11	13° \approx 06'34		evening set	6307 Jan 03 12:05	24° \mathbb{Z} 55'51	
evening set	6306 Jan 19 10:04	10° \approx 56'45		asc. node	6307 Jan 07 14:12	20° \mathbb{Z} 27'13	
asc. node	6306 Jan 20 17:10	9° \approx 42'56		min. Earth dist.	6307 Jan 07 23:23	19° \mathbb{Z} 57'42	0.67501 AU
min. Earth dist.	6306 Jan 24 04:54	5° \approx 24'13	0.68049 AU	inferior conj	6307 Jan 09 02:27	18° \mathbb{Z} 29'33	0°30'23
inferior conj	6306 Jan 24 20:55	4° \approx 29'47	1°21'09	minimum elong	6307 Jan 09 01:42	18° \mathbb{Z} 31'59	0°30'06
minimum elong	6306 Jan 24 19:10	4° \approx 35'43	1°20'30	morning rise	6307 Jan 14 15:34	12° \mathbb{Z} 32'54	
	6306 Jan 28 11:09	30° \mathbb{R} \mathbb{Z}		direct	6307 Jan 18 03:50	11° \mathbb{Z} 21'53	
morning rise	6306 Jan 30 04:18	28° \mathbb{Z} 25'50		morning max el	6307 Jan 25 08:23	15° \mathbb{Z} 22'33	19°29'11
direct	6306 Feb 03 04:57	26° \mathbb{Z} 54'00			6307 Feb 05 14:52	0° \approx	
	6306 Feb 09 15:17	0° \approx		greatest brilliancy	6307 Feb 07 08:34	2° \approx 34'00	-0.7m
morning max el	6306 Feb 11 05:26	1° \approx 29'09	20°34'30	desc. node	6307 Feb 12 07:16	10° \approx 01'18	
desc. node	6306 Feb 25 10:16	19° \approx 51'47		morning set	6307 Feb 19 02:49	20° \approx 28'33	
	6306 Mar 04 06:34	0° \mathbb{X}			6307 Feb 25 06:11	0° \mathbb{X}	
morning set	6306 Mar 12 05:16	12° \mathbb{X} 09'11		max. Earth dist.	6307 Mar 03 17:45	10° \mathbb{X} 10'31	1.44673 AU
max. Earth dist.	6306 Mar 21 04:35	26° \mathbb{X} 20'46	1.43319 AU				
	6306 Mar 23 10:37	0° \mathbb{Y}		superior conj	6307 Mar 07 18:00	16° \mathbb{X} 33'24	-2°03'35
superior conj	6306 Mar 27 17:22	7° \mathbb{Y} 03'59	-2°09'56	minimum elong	6307 Mar 07 12:29	16° \mathbb{X} 11'18	2°03'20
minimum elong	6306 Mar 27 18:22	7° \mathbb{Y} 08'11	2°09'56		6307 Mar 16 00:44	0° \mathbb{Y}	
evening rise	6306 Apr 08 23:11	28° \mathbb{Y} 08'48		evening rise	6307 Mar 21 18:10	9° \mathbb{Y} 31'00	
	6306 Apr 10 00:26	0° \mathbb{Z}			6307 Apr 03 06:37	0° \mathbb{Z}	
asc. node	6306 Apr 18 16:22	14° \mathbb{Z} 51'24		asc. node	6307 Apr 05 13:24	3° \mathbb{Z} 17'37	
evening max el	6306 Apr 26 01:52	24° \mathbb{Z} 48'50	18°06'20	evening max el	6307 Apr 09 14:53	8° \mathbb{Z} 11'11	18°18'21
retrograde	6306 May 02 13:44	28° \mathbb{Z} 10'16		retrograde	6307 Apr 16 00:42	11° \mathbb{Z} 37'10	
evening set	6306 May 05 07:06	27° \mathbb{Z} 34'15		evening set	6307 Apr 19 00:42	10° \mathbb{Z} 48'32	
inferior conj	6306 May 11 16:41	22° \mathbb{Z} 29'21	3°02'15	inferior conj	6307 Apr 24 23:06	5° \mathbb{Z} 24'47	3°24'44
minimum elong	6306 May 11 19:14	22° \mathbb{Z} 22'52	3°01'45	minimum elong	6307 Apr 25 00:11	5° \mathbb{Z} 21'44	3°24'37
min. Earth dist.	6306 May 14 17:24	19° \mathbb{Z} 26'19	0.61806 AU	min. Earth dist.	6307 Apr 27 09:39	2° \mathbb{Z} 39'12	0.63860 AU
morning rise	6306 May 18 05:31	16° \mathbb{Z} 27'55			6307 Apr 30 00:51	30° \mathbb{R} \mathbb{Y}	
desc. node	6306 May 24 09:32	14° \mathbb{Z} 05'16		morning rise	6307 Apr 30 22:39	29° \mathbb{Y} 13'43	
direct	6306 May 25 00:03	14° \mathbb{Z} 04'10		direct	6307 May 07 17:50	26° \mathbb{Y} 31'01	
morning max el	6306 Jun 08 04:07	22° \mathbb{Z} 04'38	27°53'57	desc. node	6307 May 11 06:33	27° \mathbb{Y} 09'27	
	6306 Jun 15 02:49	0° \mathbb{I}			6307 May 16 09:36	0° \mathbb{Z}	
	6306 Jul 04 08:38	0° \mathbb{Z}		morning max el	6307 May 21 12:41	4° \mathbb{Z} 30'16	27°38'07
morning set	6306 Jul 11 15:01	14° \mathbb{Z} 06'30			6307 Jun 09 17:41	0° \mathbb{I}	
asc. node	6306 Jul 15 15:39	22° \mathbb{Z} 32'28		morning set	6307 Jun 25 10:04	27° \mathbb{I} 58'20	
max. Earth dist.	6306 Jul 17 07:40	26° \mathbb{Z} 08'03	1.32162 AU		6307 Jun 26 10:27	0° \mathbb{Z}	
				max. Earth dist.	6307 Jun 30 09:36	8° \mathbb{Z} 08'57	1.32951 AU
superior conj	6306 Jul 19 01:48	29° \mathbb{Z} 57'36	0°34'48	asc. node	6307 Jul 02 12:39	12° \mathbb{Z} 39'11	
minimum elong	6306 Jul 19 00:17	29° \mathbb{Z} 49'18	0°34'28				
	6306 Jul 19 02:14	0° \mathbb{Q}		superior conj	6307 Jul 03 08:13	14° \mathbb{Z} 23'50	0°08'25
evening rise	6306 Jul 25 21:52	14° \mathbb{Q} 51'55		minimum elong	6307 Jul 03 07:48	14° \mathbb{Z} 21'37	0°08'17
	6306 Aug 02 10:09	0° \mathbb{M}		behind sun begin	6307 Jul 03 03:11	13° \mathbb{Z} 56'50	
desc. node	6306 Aug 20 08:44	25° \mathbb{M} 38'43		behind sun end	6307 Jul 03 12:26	14° \mathbb{Z} 46'26	
evening max el	6306 Aug 20 06:04	25° \mathbb{M} 32'21	24°31'47	evening rise	6307 Jul 10 09:31	29° \mathbb{Z} 34'47	
	6306 Aug 25 22:27	0° Ω			6307 Jul 10 14:17	0° \mathbb{Q}	
retrograde	6306 Sep 03 02:16	2° Ω 30'15					

	6307 Jul 27 15:07	0°♎			6308 Jul 01 21:20	0°♏	
evening max el	6307 Aug 01 18:19	5°♎50'41	22°53'44	evening max el	6308 Jul 13 12:48	16°♏19'35	21°20'10
desc. node	6307 Aug 07 05:45	10°♎09'00		desc. node	6308 Jul 24 02:47	22°♏13'14	
retrograde	6307 Aug 15 01:12	12°♎28'42		retrograde	6308 Jul 25 15:10	22°♏18'45	
evening set	6307 Aug 18 15:45	12°♎00'17		evening set	6308 Jul 28 00:22	22°♏05'39	
min. Earth dist.	6307 Aug 26 02:39	8°♎40'13	0.55328 AU	inferior conj	6308 Aug 06 07:57	18°♏06'54	-3°44'15
inferior conj	6307 Aug 27 14:13	7°♎49'08	-5°00'49	minimum elong	6308 Aug 05 22:54	18°♏19'35	3°41'38
minimum elong	6307 Aug 27 07:40	7°♎58'35	4°59'49	min. Earth dist.	6308 Aug 06 12:15	18°♏00'51	0.54750 AU
morning rise	6307 Sep 05 01:41	3°♎59'14		morning rise	6308 Aug 14 22:15	14°♏13'23	
direct	6307 Sep 08 02:48	3°♎37'33		direct	6308 Aug 18 11:44	13°♏46'02	
morning max el	6307 Sep 19 04:39	8°♎47'23	20°47'27	morning max el	6308 Aug 31 02:11	19°♏43'51	22°22'58
asc. node	6307 Sep 28 11:59	20°♎48'58			6308 Sep 08 13:47	0°♎	
	6307 Oct 03 15:39	0°♏		asc. node	6308 Sep 14 09:00	9°♎34'54	
morning set	6307 Oct 08 11:16	9°♏38'07		morning set	6308 Sep 21 21:42	24°♎27'59	
					6308 Sep 24 12:19	0°♏	
superior conj	6307 Oct 15 21:50	25°♏04'10	1°41'34	superior conj	6308 Sep 29 00:14	9°♏35'49	1°42'09
minimum elong	6307 Oct 15 22:39	25°♏08'23	1°41'34	minimum elong	6308 Sep 28 23:43	9°♏33'03	1°42'08
	6307 Oct 18 08:11	0°♎		max. Earth dist.	6308 Oct 02 10:16	16°♏44'41	1.34219 AU
max. Earth dist.	6307 Oct 20 18:27	4°♎48'30	1.35864 AU	evening rise	6308 Oct 07 00:15	25°♏56'04	
evening rise	6307 Oct 24 18:23	12°♎26'01			6308 Oct 09 03:04	0°♎	
desc. node	6307 Nov 03 04:58	28°♎57'48		desc. node	6308 Oct 20 02:00	19°♎08'38	
	6307 Nov 03 20:09	0°♎			6308 Oct 27 05:47	0°♎	
	6307 Nov 25 08:45	0°♎		evening max el	6308 Nov 10 20:37	17°♎44'29	27°04'20
evening max el	6307 Nov 29 07:48	4°♎08'50	26°16'45	retrograde	6308 Nov 24 03:45	25°♎03'06	
retrograde	6307 Dec 12 01:38	11°♎20'18		evening set	6308 Nov 30 22:15	22°♎24'19	
evening set	6307 Dec 18 08:50	8°♎46'31		min. Earth dist.	6308 Dec 04 20:32	18°♎36'13	0.65333 AU
min. Earth dist.	6307 Dec 22 13:19	4°♎23'30	0.66595 AU	inferior conj	6308 Dec 06 22:46	16°♎14'29	-1°28'54
inferior conj	6307 Dec 24 03:46	2°♎25'50	-0°26'42	minimum elong	6308 Dec 07 01:22	16°♎07'10	1°27'47
minimum elong	6307 Dec 24 04:30	2°♎23'37	0°26'21	asc. node	6308 Dec 11 08:17	11°♎51'29	
asc. node	6307 Dec 25 11:15	0°♎50'58		morning rise	6308 Dec 13 05:36	10°♎40'02	
	6307 Dec 26 05:00	30°♎♎		direct	6308 Dec 15 22:26	10°♎00'48	
morning rise	6307 Dec 30 00:48	26°♎38'56		morning max el	6308 Dec 22 09:35	13°♎27'32	18°06'13
direct	6308 Jan 02 02:21	25°♎45'41			6309 Jan 03 04:09	0°♎	
morning max el	6308 Jan 08 18:30	29°♎23'55	18°39'25	morning set	6309 Jan 09 16:06	10°♎37'54	
	6308 Jan 09 08:38	0°♎		desc. node	6309 Jan 16 01:16	21°♎02'23	
morning set	6308 Jan 29 18:45	29°♎48'51			6309 Jan 21 15:18	0°♎	
	6308 Jan 29 21:35	0°♎		superior conj	6309 Jan 24 06:22	4°♎10'03	-0°55'39
desc. node	6308 Jan 30 04:15	0°♎26'18		minimum elong	6309 Jan 23 23:39	3°♎43'32	0°54'44
max. Earth dist.	6308 Feb 14 11:49	24°♎29'18	1.45345 AU	max. Earth dist.	6309 Jan 27 07:21	8°♎57'31	1.45273 AU
				evening rise	6309 Feb 09 12:16	29°♎31'36	
superior conj	6308 Feb 15 00:19	25°♎18'16	-1°37'16		6309 Feb 09 19:36	0°♎	
minimum elong	6308 Feb 14 14:47	24°♎40'56	1°36'19	greatest brilliancy	6309 Feb 22 11:43	19°♎25'40	-0.7m
	6308 Feb 18 00:06	0°♎			6309 Mar 01 22:07	0°♎	
evening rise	6308 Mar 01 13:49	19°♎55'20		evening max el	6309 Mar 06 08:47	5°♎15'00	19°35'24
	6308 Mar 07 21:01	0°♎		asc. node	6309 Mar 09 07:30	7°♎49'09	
greatest brilliancy	6308 Mar 09 12:27	2°♎36'49	-0.9m	retrograde	6309 Mar 13 15:54	9°♎26'34	
asc. node	6308 Mar 22 10:27	21°♎00'59		evening set	6309 Mar 17 06:23	8°♎10'33	
evening max el	6308 Mar 23 01:52	21°♎41'17	18°48'29	inferior conj	6309 Mar 22 16:39	2°♎14'35	3°18'49
retrograde	6308 Mar 29 18:30	25°♎24'42		minimum elong	6309 Mar 22 15:10	2°♎19'27	3°18'38
evening set	6308 Apr 02 01:21	24°♎22'40		min. Earth dist.	6309 Mar 23 20:41	0°♎42'00	0.66858 AU
inferior conj	6308 Apr 07 16:11	18°♎41'48	3°28'52		6309 Mar 24 09:37	30°♎♎	
minimum elong	6308 Apr 07 15:48	18°♎42'56	3°28'51	morning rise	6309 Mar 27 23:40	25°♎58'37	
min. Earth dist.	6308 Apr 09 11:09	16°♎28'42	0.65566 AU	direct	6309 Apr 03 01:58	23°♎15'38	
morning rise	6308 Apr 13 05:46	12°♎26'35		desc. node	6309 Apr 14 00:35	29°♎17'23	
direct	6308 Apr 19 18:45	9°♎37'51			6309 Apr 14 18:12	0°♎	
desc. node	6308 Apr 27 03:34	12°♎24'26		morning max el	6309 Apr 15 08:44	0°♎36'18	25°38'11
morning max el	6308 May 02 22:59	17°♎25'00	26°50'07		6309 May 07 10:08	0°♎	
	6308 May 13 11:05	0°♎		morning set	6309 May 21 12:49	23°♎50'39	
	6308 Jun 01 15:26	0°♎			6309 May 24 20:23	0°♎	
morning set	6308 Jun 07 18:44	11°♎17'06		max. Earth dist.	6309 May 25 06:47	0°♎49'14	1.35915 AU
max. Earth dist.	6308 Jun 12 01:53	19°♎41'53	1.34206 AU				
				superior conj	6309 May 31 01:15	12°♎05'32	-0°51'14
superior conj	6308 Jun 16 08:56	28°♎29'06	-0°20'42	minimum elong	6309 May 31 04:11	12°♎20'15	0°50'44
minimum elong	6308 Jun 16 10:04	28°♎34'58	0°20'31	asc. node	6309 Jun 05 06:43	22°♎43'49	
	6308 Jun 17 02:21	0°♎		evening rise	6309 Jun 08 01:51	28°♎27'39	
asc. node	6308 Jun 18 09:41	2°♎44'31					
evening rise	6308 Jun 23 19:34	14°♎09'06					

	6309 Jun 08 20:01	0°☿		minimum elong	6310 May 14 10:27	25°♄27'01	1°20'30
evening max el	6309 Jun 25 19:25	27°☿24'52	20°02'01		6310 May 16 18:56	0°♄	
	6309 Jun 28 21:17	0°♄		evening rise	6310 May 23 01:49	12°♄23'33	
retrograde	6309 Jul 06 05:45	2°♄31'59		asc. node	6310 May 23 03:46	12°♄33'10	
evening set	6309 Jul 08 03:16	2°♄22'33			6310 Jun 01 14:37	0°☿	
desc. node	6309 Jul 10 23:49	1°♄35'41		evening max el	6310 Jun 08 14:32	9°☿13'52	19°03'39
	6309 Jul 14 09:20	30°♄		retrograde	6310 Jun 17 08:52	13°☿32'05	
inferior conj	6309 Jul 17 04:07	28°☿22'58	-1°51'28	evening set	6310 Jun 19 08:29	13°☿19'46	
minimum elong	6309 Jul 16 22:56	28°☿30'45	1°49'34	inferior conj	6310 Jun 27 15:46	9°☿06'29	0°03'48
min. Earth dist.	6309 Jul 19 00:09	27°☿16'50	0.55136 AU	minimum elong	6310 Jun 27 15:55	9°☿06'13	0°03'42
morning rise	6309 Jul 25 16:56	24°☿04'56		transit middle	6310 Jun 27 15:55	9°☿06'13	0°03'42
direct	6309 Jul 29 23:40	23°☿24'54		transit begin	6310 Jun 27 12:14	9°☿12'34	
morning max el	6309 Aug 12 16:35	0°♄09'06	24°07'30	transit end	6310 Jun 27 19:36	8°☿59'52	
	6309 Aug 12 12:42	0°♄		desc. node	6310 Jun 27 20:51	8°☿57'42	
asc. node	6309 Sep 01 06:02	28°♄50'04		min. Earth dist.	6310 Jun 30 15:10	7°☿04'12	0.56421 AU
	6309 Sep 01 20:18	0°♄		morning rise	6310 Jul 05 20:07	4°☿12'53	
morning set	6309 Sep 06 09:23	9°♄19'41		direct	6310 Jul 11 00:33	3°☿09'44	
				morning max el	6310 Jul 25 06:17	10°☿29'07	25°46'09
superior conj	6309 Sep 13 07:54	24°♄21'15	1°36'25		6310 Aug 09 03:12	0°♄	
minimum elong	6309 Sep 13 06:22	24°♄12'55	1°36'17	asc. node	6310 Aug 19 03:04	18°♄26'47	
max. Earth dist.	6309 Sep 15 10:26	28°♄53'57	1.32991 AU	morning set	6310 Aug 21 20:42	24°♄08'33	
	6309 Sep 15 22:47	0°♄			6310 Aug 24 13:57	0°♄	
evening rise	6309 Sep 20 17:32	9°♄57'21					
	6309 Oct 01 11:27	0°♄		superior conj	6310 Aug 28 18:37	9°♄13'24	1°25'09
desc. node	6309 Oct 06 23:03	8°♄54'52		minimum elong	6310 Aug 28 16:29	9°♄01'39	1°24'53
	6309 Oct 23 07:33	0°♄		max. Earth dist.	6310 Aug 29 17:28	11°♄19'10	1.32204 AU
evening max el	6309 Oct 24 08:13	0°♄59'55	27°26'55	evening rise	6310 Sep 04 19:02	24°♄20'57	
retrograde	6309 Nov 06 23:45	8°♄18'05			6310 Sep 07 13:32	0°♄	
evening set	6309 Nov 14 01:41	5°♄42'49		desc. node	6310 Sep 23 20:05	28°♄06'30	
min. Earth dist.	6309 Nov 17 18:59	2°♄27'11	0.63729 AU		6310 Sep 25 03:48	0°♄	
inferior conj	6309 Nov 20 08:53	29°♄49'11	-2°34'17	evening max el	6310 Oct 06 16:34	13°♄42'45	27°18'39
minimum elong	6309 Nov 20 13:31	29°♄37'20	2°32'30	retrograde	6310 Oct 20 12:34	20°♄55'53	
	6309 Nov 20 04:40	30°♄		evening set	6310 Oct 27 15:35	18°♄34'59	
morning rise	6309 Nov 27 02:59	24°♄30'07		min. Earth dist.	6310 Oct 31 07:09	15°♄45'24	0.61845 AU
asc. node	6309 Nov 28 05:19	24°♄09'53		inferior conj	6310 Nov 03 07:05	13°♄02'24	-3°39'14
direct	6309 Nov 29 13:27	24°♄01'00		minimum elong	6310 Nov 03 13:22	12°♄48'06	3°37'14
morning max el	6309 Dec 06 02:39	27°♄25'34	17°50'14	morning rise	6310 Nov 10 13:08	8°♄01'56	
	6309 Dec 08 09:48	0°♄		direct	6310 Nov 12 20:10	7°♄39'17	
morning set	6309 Dec 22 16:37	22°♄46'01		asc. node	6310 Nov 15 02:22	8°♄02'01	
	6309 Dec 26 21:54	0°♄		morning max el	6310 Nov 19 18:34	11°♄09'55	17°52'17
desc. node	6310 Jan 02 22:19	11°♄45'29		morning set	6310 Dec 02 07:18	0°♄	
					6310 Dec 05 13:42	5°♄52'45	
superior conj	6310 Jan 04 06:36	13°♄57'58	-0°09'34				
minimum elong	6310 Jan 04 05:33	13°♄53'38	0°09'23	superior conj	6310 Dec 16 08:43	25°♄00'46	0°31'38
behind sun begin	6310 Jan 03 21:32	13°♄20'52		minimum elong	6310 Dec 16 11:26	25°♄12'24	0°31'17
behind sun end	6310 Jan 04 13:33	14°♄26'22			6310 Dec 19 07:06	0°♄	
max. Earth dist.	6310 Jan 10 01:27	23°♄17'55	1.44474 AU	desc. node	6310 Dec 20 19:20	2°♄31'38	
	6310 Jan 14 07:21	0°♄		max. Earth dist.	6310 Dec 23 16:13	7°♄15'39	1.43051 AU
evening rise	6310 Jan 19 23:20	8°♄47'03		evening rise	6310 Dec 30 14:21	18°♄19'33	
	6310 Feb 03 01:58	0°♄			6311 Jan 07 05:03	0°♄	
evening max el	6310 Feb 17 10:31	18°♄50'50	20°36'51		6311 Jan 28 23:57	0°♄	
asc. node	6310 Feb 24 04:32	23°♄27'57		evening max el	6311 Jan 31 06:56	2°♄28'05	21°49'29
retrograde	6310 Feb 25 14:18	23°♄38'24		retrograde	6311 Feb 09 11:43	7°♄55'34	
evening set	6310 Mar 01 13:43	22°♄07'42		asc. node	6311 Feb 11 01:35	7°♄42'30	
inferior conj	6310 Mar 06 21:51	15°♄59'05	2°57'25	evening set	6311 Feb 13 21:34	6°♄09'35	
minimum elong	6310 Mar 06 19:42	16°♄06'25	2°56'58	inferior conj	6311 Feb 19 05:32	29°♄51'05	2°26'29
min. Earth dist.	6310 Mar 07 12:14	15°♄09'44	0.67720 AU	minimum elong	6311 Feb 19 03:11	29°♄59'16	2°25'49
morning rise	6310 Mar 12 01:29	9°♄44'32			6311 Feb 19 02:59	30°♄	
direct	6310 Mar 17 14:32	7°♄16'25		min. Earth dist.	6311 Feb 19 07:28	29°♄44'24	0.68162 AU
morning max el	6310 Mar 28 17:29	13°♄55'33	24°12'24	morning rise	6311 Feb 24 08:38	23°♄39'37	
desc. node	6310 Mar 31 21:38	17°♄21'21		direct	6311 Mar 01 07:22	21°♄32'05	
	6310 Apr 10 18:42	0°♄		morning max el	6311 Mar 11 03:24	27°♄20'45	22°42'54
	6310 Apr 30 06:59	0°♄			6311 Mar 13 15:00	0°♄	
morning set	6310 May 03 11:02	5°♄24'41		desc. node	6311 Mar 18 18:39	6°♄15'43	
max. Earth dist.	6310 May 07 03:27	11°♄54'36	1.37987 AU		6311 Apr 04 09:51	0°♄	
				morning set	6311 Apr 14 07:27	15°♄43'19	
superior conj	6310 May 14 05:50	25°♄04'57	-1°21'09	max. Earth dist.	6311 Apr 18 23:32	23°♄33'13	1.40211 AU

	6311 Apr 22 16:47	0°♄		superior conj	6312 Apr 07 10:05	18°♄28'42	-2°05'26
				minimum elong	6312 Apr 07 13:41	18°♄44'12	2°05'18
superior conj	6311 Apr 26 18:23	7°♄16'18 -1°47'24			6312 Apr 13 23:37	0°♄	
minimum elong	6311 Apr 26 23:42	7°♄40'25 1°46'52		evening rise	6312 Apr 18 17:22	8°♄32'33	
evening rise	6311 May 06 16:16	25°♄48'07		asc. node	6312 Apr 25 21:49	21°♄20'45	
	6311 May 08 21:35	0°♄			6312 May 01 09:49	0°♄	
asc. node	6311 May 10 00:48	2°♄07'16		evening max el	6312 May 05 05:33	4°♄34'56	18°07'47
evening max el	6311 May 22 19:08	21°♄40'14 18°25'45		retrograde	6312 May 11 23:05	8°♄00'17	
retrograde	6311 May 30 07:04	25°♄23'48		evening set	6312 May 14 12:31	7°♄30'54	
evening set	6311 Jun 01 13:26	25°♄04'22		inferior conj	6312 May 21 06:19	2°♄36'58	2°38'52
inferior conj	6311 Jun 09 00:42	20°♄31'04 1°36'22		minimum elong	6312 May 21 09:28	2°♄29'33	2°38'05
minimum elong	6311 Jun 09 03:42	20°♄25'01 1°35'22			6312 May 24 01:15	30°♄	
min. Earth dist.	6311 Jun 12 10:33	17°♄47'07 0.58335 AU		min. Earth dist.	6312 May 24 12:50	29°♄33'57	0.60535 AU
desc. node	6311 Jun 14 17:54	16°♄08'51		morning rise	6312 May 28 04:01	26°♄44'42	
morning rise	6311 Jun 16 14:44	15°♄03'36		desc. node	6312 May 31 14:56	25°♄06'08	
direct	6311 Jun 22 15:21	13°♄29'06		direct	6312 Jun 03 18:12	24°♄37'30	
morning max el	6311 Jul 07 00:36	21°♄11'17 27°03'04			6312 Jun 15 07:03	0°♄	
	6311 Jul 14 16:26	0°♄		morning max el	6312 Jun 18 01:40	2°♄33'38	27°46'23
	6311 Aug 01 22:14	0°♄			6312 Jul 08 03:07	0°♄	
morning set	6311 Aug 06 06:02	8°♄49'40		morning set	6312 Jul 20 11:34	23°♄17'09	
asc. node	6311 Aug 06 00:06	8°♄18'32		asc. node	6312 Jul 22 21:06	28°♄19'40	
					6312 Jul 23 15:51	0°♄	
superior conj	6311 Aug 13 06:26	24°♄06'05 1°09'00		max. Earth dist.	6312 Jul 26 14:34	6°♄24'26	1.31921 AU
minimum elong	6311 Aug 13 04:10	23°♄53'30 1°08'37					
max. Earth dist.	6311 Aug 13 04:09	23°♄53'24 1.31847 AU		superior conj	6312 Jul 27 17:35	8°♄53'03	0°48'27
	6311 Aug 15 22:29	0°♄		minimum elong	6312 Jul 27 15:39	8°♄42'23	0°48'03
evening rise	6311 Aug 20 02:04	8°♄58'54		evening rise	6312 Aug 03 12:25	23°♄43'37	
	6311 Aug 30 22:21	0°♄			6312 Aug 06 12:20	0°♄	
desc. node	6311 Sep 10 17:05	16°♄29'54			6312 Aug 24 10:35	0°♄	
evening max el	6311 Sep 18 18:51	25°♄41'05 26°36'41		desc. node	6312 Aug 27 14:07	3°♄44'58	
	6311 Sep 24 05:06	0°♄		evening max el	6312 Aug 30 13:07	6°♄48'29	25°23'46
retrograde	6311 Oct 02 16:53	2°♄48'52		retrograde	6312 Sep 13 11:16	13°♄51'44	
evening set	6311 Oct 09 11:35	0°♄53'45		evening set	6312 Sep 19 08:43	12°♄31'31	
	6311 Oct 10 23:19	30°♄		min. Earth dist.	6312 Sep 24 00:49	9°♄52'37	0.57758 AU
min. Earth dist.	6311 Oct 13 08:35	28°♄18'20 0.59791 AU		inferior conj	6312 Sep 27 01:58	7°♄47'03	-5°16'28
inferior conj	6311 Oct 16 13:56	25°♄45'20 -4°37'04		minimum elong	6312 Sep 27 05:34	7°♄40'51	5°16'07
minimum elong	6311 Oct 16 20:24	25°♄32'28 4°35'39		morning rise	6312 Oct 05 04:42	3°♄31'46	
morning rise	6311 Oct 24 07:22	21°♄06'41		direct	6312 Oct 07 15:56	3°♄13'21	
direct	6311 Oct 26 14:32	20°♄47'24		morning max el	6312 Oct 16 09:29	7°♄22'40	18°56'08
asc. node	6311 Nov 01 23:25	23°♄24'05		asc. node	6312 Oct 18 20:27	10°♄01'35	
morning max el	6311 Nov 03 06:00	24°♄32'27 18°13'43			6312 Oct 30 22:48	0°♄	
	6311 Nov 07 18:05	0°♄		morning set	6312 Nov 01 23:13	3°♄56'40	
morning set	6311 Nov 19 01:26	19°♄40'59					
	6311 Nov 24 12:49	0°♄		superior conj	6312 Nov 10 09:07	20°♄23'45	1°25'21
				minimum elong	6312 Nov 10 12:11	20°♄38'21	1°25'05
superior conj	6311 Nov 28 11:16	7°♄14'30 1°03'30			6312 Nov 15 12:43	0°♄	
minimum elong	6311 Nov 28 15:01	7°♄31'27 1°03'04		max. Earth dist.	6312 Nov 17 08:10	3°♄15'37	1.39054 AU
max. Earth dist.	6311 Dec 06 02:21	20°♄37'43 1.41169 AU		evening rise	6312 Nov 21 04:52	10°♄00'49	
desc. node	6311 Dec 07 16:20	23°♄17'48		desc. node	6312 Nov 23 13:20	13°♄59'46	
evening rise	6311 Dec 10 22:28	28°♄40'22			6312 Dec 03 14:49	0°♄	
	6311 Dec 11 18:06	0°♄		evening max el	6312 Dec 26 12:19	29°♄50'29	24°27'46
	6311 Dec 31 19:11	0°♄			6312 Dec 26 16:10	0°♄	
evening max el	6312 Jan 13 22:57	16°♄07'57 23°08'24		retrograde	6313 Jan 06 22:05	6°♄31'02	
retrograde	6312 Jan 24 06:41	22°♄14'49		evening set	6313 Jan 12 08:39	4°♄14'55	
asc. node	6312 Jan 28 22:37	20°♄25'11		asc. node	6313 Jan 14 19:40	1°♄43'35	
evening set	6312 Jan 29 04:25	20°♄13'20			6313 Jan 16 04:58	30°♄	
min. Earth dist.	6312 Feb 03 04:10	14°♄21'40 0.68204 AU		min. Earth dist.	6313 Jan 17 00:03	28°♄57'09	0.67862 AU
inferior conj	6312 Feb 03 13:49	13°♄48'23 1°47'13		inferior conj	6313 Jan 17 20:51	27°♄47'33	1°00'26
minimum elong	6312 Feb 03 11:43	13°♄55'37 1°46'30		minimum elong	6313 Jan 17 19:28	27°♄52'10	0°59'55
morning rise	6312 Feb 08 18:57	7°♄41'24		morning rise	6313 Jan 23 06:25	21°♄46'42	
direct	6312 Feb 13 03:25	5°♄56'42		direct	6313 Jan 27 01:34	20°♄24'13	
morning max el	6312 Feb 21 18:19	10°♄56'03 21°18'25		morning max el	6313 Feb 03 16:45	24°♄43'11	20°04'58
desc. node	6312 Mar 04 15:40	25°♄46'46			6313 Feb 08 07:30	0°♄	
	6312 Mar 07 14:59	0°♄		desc. node	6313 Feb 19 12:40	15°♄44'01	
morning set	6312 Mar 23 23:48	24°♄44'15			6313 Feb 28 23:05	0°♄	
	6312 Mar 27 07:09	0°♄		morning set	6313 Mar 02 21:37	2°♄59'03	
max. Earth dist.	6312 Mar 31 01:27	6°♄06'35 1.42295 AU		max. Earth dist.	6313 Mar 13 10:37	19°♄31'13	1.43966 AU

superior conj	6313 Mar 19 00:56	28° H 34'10	-2°09'37	max. Earth dist.	6314 Feb 24 01:36	3° H 32'54	1.45039 AU
minimum elong	6313 Mar 18 23:19	28° H 27'33	2°09'36				
	6313 Mar 19 21:51	0° Y		superior conj	6314 Feb 26 16:12	7° H 39'42	-1°54'48
evening rise	6313 Apr 01 00:36	20° Y 27'03		minimum elong	6314 Feb 26 08:15	7° H 08'17	1°54'14
	6313 Apr 06 13:53	0° B			6314 Mar 12 13:20	0° Y	
asc. node	6313 Apr 12 18:51	10° B 06'44		evening rise	6314 Mar 13 09:46	1° Y 23'46	
evening max el	6313 Apr 18 18:27	17° B 49'18	18°09'09	asc. node	6314 Mar 30 15:54	28° Y 16'00	
retrograde	6313 Apr 25 04:28	21° B 11'25			6314 Apr 01 02:42	0° B	
evening set	6313 Apr 28 00:34	20° B 30'17		evening max el	6314 Apr 02 06:53	1° B 15'19	18°29'06
inferior conj	6313 May 04 04:54	15° B 17'06	3°14'19	retrograde	6314 Apr 08 18:44	4° B 47'26	
minimum elong	6313 May 04 06:52	15° B 11'52	3°14'02	evening set	6314 Apr 11 21:31	3° B 53'21	
min. Earth dist.	6313 May 06 23:57	12° B 19'01	0.62705 AU		6314 Apr 16 06:38	30° R Y	
morning rise	6313 May 10 11:40	9° B 10'22		inferior conj	6314 Apr 17 16:18	28° Y 22'22	3°28'26
direct	6313 May 17 07:15	6° B 37'05		minimum elong	6314 Apr 17 16:44	28° Y 21'05	3°28'24
desc. node	6313 May 18 11:57	6° B 41'28		min. Earth dist.	6314 Apr 19 20:22	25° Y 48'49	0.64627 AU
morning max el	6313 May 31 08:23	14° B 38'59	27°51'39	morning rise	6314 Apr 23 11:10	22° Y 08'53	
	6313 Jun 12 18:55	0° II		direct	6314 Apr 30 04:28	19° Y 21'41	
	6313 Jun 30 16:53	0° E		desc. node	6314 May 05 08:59	20° Y 44'54	
morning set	6313 Jul 04 11:14	7° E 24'48		morning max el	6314 May 13 17:59	27° Y 18'14	27°21'12
asc. node	6313 Jul 09 18:07	18° E 25'49			6314 May 16 06:54	0° B	
max. Earth dist.	6313 Jul 09 20:44	18° E 39'51	1.32438 AU		6314 Jun 06 11:19	0° II	
				morning set	6314 Jun 18 02:18	21° II 03'53	
superior conj	6313 Jul 12 02:19	23° E 28'57	0°24'01		6314 Jun 22 13:13	0° E	
minimum elong	6313 Jul 12 01:12	23° E 22'56	0°23'44	max. Earth dist.	6314 Jun 22 18:40	0° E 27'59	1.33422 AU
	6313 Jul 15 02:03	0° Q					
evening rise	6313 Jul 19 00:09	8° Q 29'05		superior conj	6314 Jun 26 06:36	7° E 47'07	-0°03'40
	6313 Jul 30 03:03	0° P		minimum elong	6314 Jun 26 06:48	7° E 48'08	0°03'41
evening max el	6313 Aug 12 01:34	17° P 16'47	23°50'28	behind sun begin	6314 Jun 26 01:25	7° E 19'39	
desc. node	6313 Aug 14 11:08	19° P 25'03		behind sun end	6314 Jun 26 12:10	8° E 16'39	
retrograde	6313 Aug 25 18:05	24° P 09'09		asc. node	6314 Jun 26 15:08	8° E 32'20	
evening set	6313 Aug 30 05:41	23° P 24'54		evening rise	6314 Jul 03 11:21	23° E 08'45	
min. Earth dist.	6313 Sep 05 11:51	20° P 23'45	0.56041 AU		6314 Jul 06 18:51	0° Q	
inferior conj	6313 Sep 07 17:44	19° P 02'06	-5°20'49	evening max el	6314 Jul 24 15:32	27° Q 35'39	22°12'38
minimum elong	6313 Sep 07 15:00	19° P 06'16	5°20'38		6314 Jul 27 09:10	0° P	
morning rise	6313 Sep 16 02:43	15° P 06'01		desc. node	6314 Aug 01 08:11	2° P 56'48	
direct	6313 Sep 18 21:37	14° P 46'20		retrograde	6314 Aug 06 12:33	3° P 59'23	
morning max el	6313 Sep 29 01:54	19° P 31'23	20°00'35	evening set	6314 Aug 09 12:30	3° P 39'30	
asc. node	6313 Oct 05 17:28	27° P 39'24			6314 Aug 17 22:58	30° R Q	
	6313 Oct 07 05:44	0° A		min. Earth dist.	6314 Aug 17 21:26	0° P 02'09	0.54972 AU
morning set	6313 Oct 17 03:47	18° A 30'44		inferior conj	6314 Aug 18 16:40	29° Q 35'04	-4°34'30
	6313 Oct 22 18:47	0° M		minimum elong	6314 Aug 18 08:12	29° Q 47'00	4°32'41
				morning rise	6314 Aug 27 05:34	25° Q 45'42	
superior conj	6313 Oct 24 21:11	4° M 14'06	1°37'59	direct	6314 Aug 30 11:24	25° Q 22'09	
minimum elong	6313 Oct 24 22:52	4° M 22'30	1°37'55		6314 Sep 10 06:10	0° P	
max. Earth dist.	6313 Oct 30 13:40	15° M 18'45	1.36966 AU	morning max el	6314 Sep 11 05:46	0° P 52'38	21°26'07
evening rise	6313 Nov 03 08:43	22° M 19'23		asc. node	6314 Sep 22 14:29	16° P 03'32	
	6313 Nov 07 17:25	0° X			6314 Sep 29 22:38	0° A	
desc. node	6313 Nov 10 10:20	4° X 33'37		morning set	6314 Oct 01 12:40	3° A 16'14	
	6313 Nov 27 10:46	0° B					
evening max el	6313 Dec 09 00:59	13° B 35'07	25°40'42	superior conj	6314 Oct 08 19:18	18° A 33'13	1°42'38
retrograde	6313 Dec 21 08:57	20° B 39'09		minimum elong	6314 Oct 08 19:31	18° A 34'23	1°42'38
evening set	6313 Dec 27 08:41	18° B 10'45		max. Earth dist.	6314 Oct 13 00:40	27° A 11'01	1.35120 AU
min. Earth dist.	6313 Dec 31 16:56	13° B 27'25	0.67155 AU		6314 Oct 14 10:44	0° M	
asc. node	6314 Jan 01 16:44	12° B 11'46		evening rise	6314 Oct 17 06:18	5° M 26'35	
inferior conj	6314 Jan 02 00:50	11° B 45'54	0°06'51	desc. node	6314 Oct 28 07:22	24° M 54'35	
minimum elong	6314 Jan 02 00:39	11° B 46'28	0°06'50		6314 Oct 31 12:00	0° X	
transit middle	6314 Jan 02 00:39	11° B 46'28	0°06'50	evening max el	6314 Nov 21 14:02	27° X 17'28	26°39'43
transit begin	6314 Jan 01 22:06	11° B 54'36			6314 Nov 24 15:02	0° B	
transit end	6314 Jan 02 03:12	11° B 38'20		retrograde	6314 Dec 04 14:29	4° B 33'16	
morning rise	6314 Jan 07 17:04	5° B 53'04		evening set	6314 Dec 11 02:38	1° B 56'49	
direct	6314 Jan 11 00:26	4° B 50'13			6314 Dec 13 04:58	30° R X	
morning max el	6314 Jan 17 22:59	8° B 40'20	19°06'00	min. Earth dist.	6314 Dec 15 04:27	27° X 48'26	0.66095 AU
greatest brilliancy	6314 Jan 31 19:49	27° B 25'55	-0.8m	inferior conj	6314 Dec 16 23:48	25° X 39'53	-0°52'33
	6314 Feb 02 12:10	0° A		minimum elong	6314 Dec 17 01:17	25° X 35'30	0°51'52
desc. node	6314 Feb 06 09:39	6° A 00'14		asc. node	6314 Dec 19 13:46	22° X 44'49	
morning set	6314 Feb 10 00:23	11° A 36'34		morning rise	6314 Dec 23 00:46	19° X 57'39	
	6314 Feb 21 19:23	0° H		direct	6314 Dec 25 22:19	19° X 10'50	

morning max el	6315 Jan 01 11:31	22° ♁ 43'14	18°23'11		6315 Dec 31 19:21	0° ♁	
	6315 Jan 07 08:30	0° ♁		morning set	6316 Jan 02 14:14	2° ♁ 59'26	
morning set	6315 Jan 21 04:34	21° ♁ 34'15		desc. node	6316 Jan 11 03:40	17° ♁ 09'38	
desc. node	6315 Jan 24 06:39	26° ♁ 30'23					
	6315 Jan 26 11:16	0° ♁		superior conj	6316 Jan 16 07:52	25° ♁ 31'15	-0°35'59
				minimum elong	6316 Jan 16 03:35	25° ♁ 14'04	0°35'20
superior conj	6315 Feb 05 19:55	16° ♁ 20'53	-1°20'55		6316 Jan 19 03:23	0° ♁	
minimum elong	6315 Feb 05 10:50	15° ♁ 45'16	1°19'51	max. Earth dist.	6316 Jan 20 16:15	2° ♁ 25'46	1.45023 AU
max. Earth dist.	6315 Feb 06 20:27	17° ♁ 57'01	1.45404 AU	evening rise	6316 Feb 01 11:43	20° ♁ 48'27	
	6315 Feb 14 13:09	0° ♁			6316 Feb 07 11:47	0° ♁	
evening rise	6315 Feb 21 19:44	11° ♁ 25'15		greatest brilliancy	6316 Feb 15 23:23	12° ♁ 44'25	-0.6m
greatest brilliancy	6315 Mar 04 03:25	27° ♁ 36'17	-0.8m	evening max el	6316 Feb 27 21:19	28° ♁ 22'20	19°59'56
	6315 Mar 05 16:50	0° ♁			6316 Feb 29 14:37	0° ♁	
evening max el	6315 Mar 16 16:27	14° ♁ 47'46	19°06'34	asc. node	6316 Mar 03 10:02	1° ♁ 57'58	
asc. node	6315 Mar 17 12:58	15° ♁ 37'43		retrograde	6316 Mar 06 12:20	2° ♁ 47'59	
retrograde	6315 Mar 23 14:19	18° ♁ 41'38		evening set	6316 Mar 10 06:34	1° ♁ 25'35	
evening set	6315 Mar 27 00:19	17° ♁ 33'43			6316 Mar 11 21:35	30° ♁	
inferior conj	6315 Apr 01 12:53	11° ♁ 46'27	3°26'08	inferior conj	6316 Mar 15 15:38	25° ♁ 23'55	3°10'59
minimum elong	6315 Apr 01 12:00	11° ♁ 49'17	3°26'04	minimum elong	6316 Mar 15 13:50	25° ♁ 30'01	3°10'41
min. Earth dist.	6315 Apr 03 01:27	9° ♁ 49'50	0.66171 AU	min. Earth dist.	6316 Mar 16 13:39	24° ♁ 09'55	0.67282 AU
morning rise	6315 Apr 06 23:18	5° ♁ 30'48		morning rise	6316 Mar 20 20:53	19° ♁ 08'36	
direct	6315 Apr 13 08:21	2° ♁ 42'58		direct	6316 Mar 26 17:48	16° ♁ 31'12	
desc. node	6315 Apr 22 06:01	6° ♁ 45'04		morning max el	6316 Apr 07 13:10	23° ♁ 34'58	25°02'48
morning max el	6315 Apr 26 03:59	10° ♁ 20'19	26°21'50	desc. node	6316 Apr 08 03:01	24° ♁ 10'30	
	6315 May 11 17:16	0° ♁			6316 Apr 13 06:04	0° ♁	
	6315 May 30 00:27	0° ♁			6316 May 04 02:32	0° ♁	
morning set	6315 Jun 01 05:19	4° ♁ 04'31		morning set	6316 May 13 15:37	16° ♁ 13'54	
max. Earth dist.	6315 Jun 05 05:50	11° ♁ 47'11	1.34882 AU	max. Earth dist.	6316 May 17 06:49	22° ♁ 50'35	1.36765 AU
					6316 May 21 01:44	0° ♁	
superior conj	6315 Jun 10 04:08	21° ♁ 41'00	-0°33'34				
minimum elong	6315 Jun 10 06:00	21° ♁ 50'36	0°33'14	superior conj	6316 May 23 15:55	5° ♁ 02'31	-1°04'09
asc. node	6315 Jun 13 12:10	28° ♁ 35'24		minimum elong	6316 May 23 19:36	5° ♁ 20'43	1°03'32
	6315 Jun 14 04:23	0° ♁		asc. node	6316 May 30 09:14	18° ♁ 31'00	
evening rise	6315 Jun 17 20:04	7° ♁ 36'50		evening rise	6316 May 31 24:00	21° ♁ 46'34	
	6315 Jun 29 23:21	0° ♁			6316 Jun 05 03:57	0° ♁	
evening max el	6315 Jul 06 14:55	8° ♁ 18'04	20°44'40	evening max el	6316 Jun 18 03:01	19° ♁ 41'41	19°34'40
retrograde	6315 Jul 18 00:38	13° ♁ 55'02		retrograde	6316 Jun 27 19:29	24° ♁ 26'58	
desc. node	6315 Jul 19 05:14	13° ♁ 51'34		evening set	6316 Jun 29 16:58	24° ♁ 16'51	
evening set	6315 Jul 20 02:55	13° ♁ 44'27		desc. node	6316 Jul 05 02:16	22° ♁ 13'43	
inferior conj	6315 Jul 29 09:33	9° ♁ 47'32	-2°58'57	inferior conj	6316 Jul 08 11:03	20° ♁ 12'15	-1°00'59
minimum elong	6315 Jul 29 01:33	9° ♁ 58'55	2°56'18	minimum elong	6316 Jul 08 08:17	20° ♁ 16'38	0°59'58
min. Earth dist.	6315 Jul 30 07:44	9° ♁ 15'52	0.54803 AU	min. Earth dist.	6316 Jul 10 20:29	18° ♁ 41'34	0.55583 AU
morning rise	6315 Aug 06 23:57	5° ♁ 45'54		morning rise	6316 Jul 16 21:12	15° ♁ 40'05	
direct	6315 Aug 10 20:27	5° ♁ 14'02		direct	6316 Jul 21 12:54	14° ♁ 51'44	
morning max el	6315 Aug 23 23:19	11° ♁ 32'11	23°07'00	morning max el	6316 Aug 04 12:37	21° ♁ 51'40	24°51'14
	6315 Sep 06 16:27	0° ♁			6316 Aug 11 16:03	0° ♁	
asc. node	6315 Sep 09 11:29	5° ♁ 02'44		asc. node	6316 Aug 26 08:31	24° ♁ 28'15	
morning set	6315 Sep 15 23:50	18° ♁ 07'10			6316 Aug 29 01:36	0° ♁	
	6315 Sep 21 12:40	0° ♁		morning set	6316 Aug 30 11:36	2° ♁ 58'56	
superior conj	6315 Sep 23 00:13	3° ♁ 11'10	1°40'25	superior conj	6316 Sep 06 09:27	18° ♁ 00'36	1°32'16
minimum elong	6315 Sep 22 23:13	3° ♁ 05'49	1°40'23	minimum elong	6316 Sep 06 07:37	17° ♁ 50'31	1°32'06
max. Earth dist.	6315 Sep 25 20:18	9° ♁ 12'36	1.33650 AU	max. Earth dist.	6316 Sep 08 00:02	21° ♁ 30'51	1.32605 AU
evening rise	6315 Sep 30 17:27	19° ♁ 10'57			6316 Sep 11 23:24	0° ♁	
	6315 Oct 06 09:53	0° ♁		evening rise	6316 Sep 13 14:37	3° ♁ 23'06	
desc. node	6315 Oct 15 04:25	14° ♁ 55'53			6316 Sep 28 04:13	0° ♁	
	6315 Oct 25 15:05	0° ♁		desc. node	6316 Oct 01 01:28	4° ♁ 29'18	
evening max el	6315 Nov 04 02:48	10° ♁ 46'45	27°17'28	evening max el	6316 Oct 16 13:20	23° ♁ 50'05	27°27'20
retrograde	6315 Nov 17 13:53	18° ♁ 05'02			6316 Oct 25 07:01	0° ♁	
evening set	6315 Nov 24 12:09	15° ♁ 26'54		retrograde	6316 Oct 30 06:42	1° ♁ 05'53	
min. Earth dist.	6315 Nov 28 08:14	11° ♁ 52'57	0.64691 AU		6316 Nov 04 00:15	30° ♁	
inferior conj	6315 Nov 30 15:23	9° ♁ 23'31	-1°56'24	evening set	6316 Nov 06 10:18	28° ♁ 35'09	
minimum elong	6315 Nov 30 18:51	9° ♁ 14'08	1°54'57	min. Earth dist.	6316 Nov 10 02:17	25° ♁ 31'55	0.62966 AU
asc. node	6315 Dec 06 10:49	4° ♁ 14'49		inferior conj	6316 Nov 12 20:50	22° ♁ 50'14	-3°02'08
morning rise	6315 Dec 07 02:51	3° ♁ 54'58		minimum elong	6316 Nov 13 02:17	22° ♁ 37'00	3°00'11
direct	6315 Dec 09 16:45	3° ♁ 20'21		morning rise	6316 Nov 19 20:01	17° ♁ 38'49	
morning max el	6315 Dec 16 03:46	6° ♁ 44'57	17°57'15	direct	6316 Nov 22 04:46	17° ♁ 12'46	

asc. node	6316 Nov 22 07:50	17°♍12'50		morning rise	6317 Nov 02 24:00	1°♍00'05	
morning max el	6316 Nov 28 20:46	20°♍38'28	17°48'50	direct	6317 Nov 05 06:34	0°♍39'19	
	6316 Dec 05 21:28	0°♌		asc. node	6317 Nov 09 04:51	1°♍44'11	
morning set	6316 Dec 15 00:17	15°♌34'58		morning max el	6317 Nov 12 11:15	4°♍14'52	17°58'56
	6316 Dec 23 07:38	0°♋		morning set	6317 Nov 28 04:11	29°♍00'42	
					6317 Nov 28 17:03	0°♌	
superior conj	6316 Dec 26 18:53	5°♋50'38	0°08'53	superior conj	6317 Dec 08 07:55	17°♌25'12	0°46'23
minimum elong	6316 Dec 26 19:47	5°♋54'23	0°08'48	minimum elong	6317 Dec 08 11:21	17°♌40'16	0°45'56
behind sun begin	6316 Dec 26 11:59	5°♋21'50		desc. node	6317 Dec 14 21:43	28°♌41'02	
behind sun end	6316 Dec 27 03:35	6°♋26'52			6317 Dec 15 16:41	0°♋	
desc. node	6316 Dec 28 00:42	7°♋54'29		max. Earth dist.	6317 Dec 15 21:58	0°♋21'52	1.42293 AU
max. Earth dist.	6317 Jan 02 09:33	16°♋39'43	1.43943 AU	evening rise	6317 Dec 21 19:35	9°♋56'11	
evening rise	6317 Jan 10 22:33	0°♋06'28			6318 Jan 03 23:37	0°♋	
	6317 Jan 10 20:53	0°♋		evening max el	6318 Jan 23 14:51	25°♋35'40	22°22'34
	6317 Jan 31 04:29	0°♎			6318 Jan 28 23:41	0°♎	
evening max el	6317 Feb 09 20:38	11°♎57'58	21°06'32	retrograde	6318 Feb 02 07:17	1°♎20'59	
retrograde	6317 Feb 18 10:36	17°♎02'25		asc. node	6318 Feb 05 04:06	0°♎38'17	
asc. node	6317 Feb 18 07:05	17°♎02'19			6318 Feb 06 05:25	30°♎	
evening set	6317 Feb 22 14:19	15°♎25'04		evening set	6318 Feb 06 21:56	29°♎28'26	
inferior conj	6317 Feb 27 22:08	9°♎11'36	2°45'22	inferior conj	6318 Feb 12 06:19	23°♎06'29	2°10'48
minimum elong	6317 Feb 27 19:51	9°♎19'30	2°44'48	minimum elong	6318 Feb 12 04:01	23°♎14'29	2°10'05
min. Earth dist.	6317 Feb 28 07:00	8°♎40'56	0.67960 AU	min. Earth dist.	6318 Feb 12 03:13	23°♎17'14	0.68223 AU
morning rise	6317 Mar 05 01:13	2°♎58'13		morning rise	6318 Feb 17 09:57	16°♎56'31	
direct	6317 Mar 10 08:07	0°♎38'40		direct	6318 Feb 22 02:27	14°♎58'42	
morning max el	6317 Mar 20 22:11	6°♎56'53	23°34'13	morning max el	6318 Mar 03 09:52	20°♎26'21	22°05'52
desc. node	6317 Mar 26 00:03	12°♎37'36			6318 Mar 11 12:07	0°♎	
	6317 Apr 07 20:11	0°♏		desc. node	6318 Mar 12 21:03	1°♎49'10	
morning set	6317 Apr 25 03:29	27°♏16'59			6318 Apr 01 01:44	0°♏	
	6317 Apr 26 17:41	0°♏		morning set	6318 Apr 05 11:51	7°♏02'06	
max. Earth dist.	6317 Apr 29 02:30	4°♏06'47	1.38928 AU	max. Earth dist.	6318 Apr 11 00:10	16°♏06'08	1.41126 AU
superior conj	6317 May 06 14:11	17°♏41'59	-1°32'59	superior conj	6318 Apr 18 18:27	29°♏29'34	-1°56'22
minimum elong	6317 May 06 19:17	18°♏05'53	1°32'20	minimum elong	6318 Apr 18 23:26	29°♏51'39	1°56'01
	6317 May 13 00:29	0°♐			6318 Apr 19 01:18	0°♏	
evening rise	6317 May 15 20:21	5°♐29'55		evening rise	6318 Apr 29 05:40	18°♏38'40	
asc. node	6317 May 17 06:17	8°♐14'13		asc. node	6318 May 04 03:19	27°♏40'26	
	6317 May 30 10:38	0°♑			6318 May 05 10:36	0°♐	
evening max el	6317 Jun 01 02:28	1°♑46'37	18°45'03	evening max el	6318 May 15 10:00	14°♐26'19	18°15'44
retrograde	6317 Jun 09 06:46	5°♑48'40		retrograde	6318 May 22 12:46	18°♐00'09	
evening set	6317 Jun 11 08:49	5°♑33'52		evening set	6318 May 24 22:07	17°♐36'53	
inferior conj	6317 Jun 19 07:28	1°♑12'17	0°46'39	inferior conj	6318 Jun 01 01:33	12°♐55'06	2°06'28
minimum elong	6317 Jun 19 09:12	1°♑09'05	0°45'59	minimum elong	6318 Jun 01 04:51	12°♐47'56	2°05'29
	6317 Jun 20 22:27	30°♑♐		min. Earth dist.	6318 Jun 04 11:31	9°♐59'38	0.59252 AU
desc. node	6317 Jun 21 23:18	29°♐14'36		morning rise	6318 Jun 08 08:36	7°♐15'33	
min. Earth dist.	6317 Jun 22 13:12	28°♐49'52	0.57166 AU	desc. node	6318 Jun 08 20:20	6°♐59'28	
morning rise	6317 Jun 27 06:10	26°♐03'08		direct	6318 Jun 14 16:01	5°♐26'27	
direct	6317 Jul 02 19:24	24°♐47'33		morning max el	6318 Jun 29 01:11	13°♐16'31	27°26'01
	6317 Jul 14 14:24	0°♑			6318 Jul 12 08:00	0°♑	
morning max el	6317 Jul 17 04:01	2°♑18'31	26°22'33		6318 Jul 29 03:06	0°♑	
	6317 Aug 05 21:51	0°♒		morning set	6318 Jul 30 06:11	2°♒20'46	
asc. node	6317 Aug 13 05:32	14°♒11'55		asc. node	6318 Jul 31 02:34	4°♒08'02	
morning set	6317 Aug 14 22:16	17°♒45'10					
	6317 Aug 20 13:26	0°♓		superior conj	6318 Aug 06 08:35	17°♒44'19	1°00'48
superior conj	6317 Aug 21 20:50	2°♓53'37	1°18'53	minimum elong	6318 Aug 06 06:23	17°♒32'13	1°00'24
minimum elong	6317 Aug 21 18:35	2°♓41'11	1°18'34	max. Earth dist.	6318 Aug 05 19:45	16°♒33'26	1.31819 AU
max. Earth dist.	6317 Aug 22 08:58	4°♓00'39	1.31993 AU		6318 Aug 11 22:33	0°♓	
evening rise	6317 Aug 28 18:43	17°♓53'16		evening rise	6318 Aug 13 03:22	2°♓34'22	
	6317 Sep 03 19:38	0°♈			6318 Aug 27 19:12	0°♈	
desc. node	6317 Sep 17 22:30	23°♈22'31		desc. node	6318 Sep 04 19:31	11°♈19'26	
	6317 Sep 23 00:23	0°♈		evening max el	6318 Sep 10 18:00	17°♈50'16	26°09'04
evening max el	6317 Sep 28 19:08	6°♈14'07	27°04'48	retrograde	6318 Sep 24 16:55	24°♈56'48	
retrograde	6317 Oct 12 16:15	13°♈25'37		evening set	6318 Oct 01 03:59	23°♈15'53	
evening set	6317 Oct 19 17:11	11°♈13'53		min. Earth dist.	6318 Oct 05 07:03	20°♈41'04	0.58905 AU
min. Earth dist.	6317 Oct 23 09:38	8°♈32'26	0.60987 AU	inferior conj	6318 Oct 08 12:03	18°♈17'27	-4°56'59
inferior conj	6317 Oct 26 12:53	5°♈51'15	-4°05'10	minimum elong	6318 Oct 08 17:46	18°♈06'45	4°56'00
minimum elong	6317 Oct 26 19:32	5°♈36'59	4°03'18	morning rise	6318 Oct 16 09:48	13°♈48'42	

direct	6318 Oct 18 18:00	13°♄30'13		minimum elong	6319 Sep 19 16:42	29°♎57'59	5°23'41
morning max el	6318 Oct 26 19:43	17°♄24'43	18°29'03		6319 Sep 19 15:28	30°♎	
asc. node	6318 Oct 27 01:53	17°♄39'46		morning rise	6319 Sep 27 21:10	25°♎53'24	
	6318 Nov 04 20:20	0°♎		direct	6319 Sep 30 11:20	25°♎34'36	
morning set	6318 Nov 11 20:38	13°♎01'34			6319 Oct 09 19:33	0°♄	
				morning max el	6319 Oct 09 18:44	29°♎58'04	19°20'50
superior conj	6318 Nov 20 19:17	0°♄03'57	1°13'58	asc. node	6319 Oct 13 22:54	4°♄44'45	
minimum elong	6318 Nov 20 22:53	0°♄20'37	1°13'35	morning set	6319 Oct 26 21:44	27°♄26'42	
	6318 Nov 20 18:26	0°♄			6319 Oct 28 04:22	0°♎	
max. Earth dist.	6318 Nov 28 05:31	13°♄23'12	1.40283 AU				
desc. node	6318 Dec 01 18:42	19°♄25'46		superior conj	6319 Nov 03 23:47	13°♎32'37	1°31'46
evening rise	6318 Dec 02 12:57	20°♄41'53		minimum elong	6319 Nov 04 02:18	13°♎44'52	1°31'35
	6318 Dec 08 06:44	0°♄		max. Earth dist.	6319 Nov 10 10:57	25°♎46'08	1.38151 AU
	6318 Dec 29 03:54	0°♄			6319 Nov 12 19:14	0°♄	
evening max el	6319 Jan 06 05:31	9°♄16'42	23°42'36	evening rise	6319 Nov 14 04:55	2°♄28'47	
retrograde	6319 Jan 17 00:52	15°♄39'04		desc. node	6319 Nov 18 15:43	10°♄05'20	
evening set	6319 Jan 22 03:50	13°♄31'28			6319 Dec 01 10:41	0°♄	
asc. node	6319 Jan 23 01:08	12°♄42'37		evening max el	6319 Dec 19 18:39	23°♄01'51	25°00'02
min. Earth dist.	6319 Jan 26 23:57	7°♄53'55	0.68101 AU	retrograde	6319 Dec 31 14:17	29°♄52'58	
inferior conj	6319 Jan 27 14:17	7°♄04'58	1°28'14	evening set	6320 Jan 06 06:30	27°♄31'27	
minimum elong	6319 Jan 27 12:26	7°♄11'18	1°27'35	asc. node	6320 Jan 09 22:10	23°♄34'41	
morning rise	6319 Feb 01 21:00	1°♄00'08		min. Earth dist.	6320 Jan 10 18:50	22°♄28'16	0.67612 AU
	6319 Feb 03 11:23	30°♎		inferior conj	6320 Jan 11 20:17	21°♄04'47	0°38'31
direct	6319 Feb 05 23:40	29°♄24'55		minimum elong	6320 Jan 11 19:21	21°♄07'50	0°38'10
	6319 Feb 08 15:20	0°♄		morning rise	6320 Jan 17 08:25	15°♄07'01	
morning max el	6319 Feb 14 03:38	4°♄05'57	20°45'27	direct	6320 Jan 20 22:27	13°♄53'05	
desc. node	6319 Feb 27 18:01	21°♄32'15		morning max el	6320 Jan 28 05:26	17°♄57'53	19°37'55
	6319 Mar 05 12:30	0°♄			6320 Feb 06 18:08	0°♄	
morning set	6319 Mar 15 18:03	15°♄36'06		greatest brilliancy	6320 Feb 10 03:31	4°♄56'09	-0.7m
max. Earth dist.	6319 Mar 24 04:48	29°♄01'05	1.43072 AU	desc. node	6320 Feb 14 15:01	11°♄38'38	
	6319 Mar 24 19:20	0°♄		morning set	6320 Feb 22 14:47	23°♄51'36	
					6320 Feb 26 14:00	0°♄	
superior conj	6319 Mar 30 23:53	10°♄14'03	-2°09'16	max. Earth dist.	6320 Mar 05 17:10	12°♄45'17	1.44516 AU
minimum elong	6319 Mar 31 01:41	10°♄21'39	2°09'15				
	6319 Apr 11 09:35	0°♄		superior conj	6320 Mar 10 04:01	19°♄51'55	-2°05'50
evening rise	6319 Apr 11 23:40	1°♄02'28		minimum elong	6320 Mar 09 23:30	19°♄33'44	2°05'39
asc. node	6319 Apr 21 00:21	16°♄43'03			6320 Mar 16 09:26	0°♄	
evening max el	6319 Apr 28 21:57	27°♄30'38	18°06'05	evening rise	6320 Mar 23 21:53	12°♄32'53	
	6319 May 02 04:02	0°♄			6320 Apr 03 09:47	0°♄	
retrograde	6319 May 05 10:52	0°♄52'28		asc. node	6320 Apr 06 21:24	5°♄14'30	
evening set	6319 May 08 03:17	0°♄18'10		evening max el	6320 Apr 11 11:01	10°♄50'51	18°15'23
	6319 May 08 18:55	30°♎		retrograde	6320 Apr 17 20:34	14°♄15'27	
inferior conj	6319 May 14 14:52	25°♄16'01	2°56'50	evening set	6320 Apr 20 19:35	13°♄28'43	
minimum elong	6319 May 14 17:36	25°♄09'12	2°56'17	inferior conj	6320 Apr 26 19:23	8°♄07'33	3°22'34
min. Earth dist.	6319 May 17 17:17	22°♄12'19	0.61485 AU	minimum elong	6320 Apr 26 20:42	8°♄03'53	3°22'26
morning rise	6319 May 21 05:56	19°♄16'46		min. Earth dist.	6320 Apr 29 08:10	5°♄18'17	0.63572 AU
desc. node	6319 May 26 17:21	17°♄01'47		morning rise	6320 May 02 20:43	1°♄57'24	
direct	6319 May 27 23:42	16°♄57'00			6320 May 06 02:38	30°♎	
morning max el	6319 Jun 11 04:37	24°♄56'16	27°53'11	direct	6320 May 09 16:09	29°♄16'52	
	6319 Jun 15 19:32	0°♄		desc. node	6320 May 12 14:22	29°♄43'14	
	6319 Jul 05 17:57	0°♄			6320 May 13 10:40	0°♄	
morning set	6319 Jul 14 09:28	16°♄40'00		morning max el	6320 May 23 12:50	7°♄16'58	27°42'43
asc. node	6319 Jul 17 23:36	24°♄11'37			6320 Jun 09 22:43	0°♄	
max. Earth dist.	6319 Jul 20 04:42	28°♄58'09	1.32084 AU		6320 Jun 26 22:33	0°♄	
	6319 Jul 20 16:03	0°♄		morning set	6320 Jun 27 05:49	0°♄36'09	
				max. Earth dist.	6320 Jul 02 07:59	11°♄03'40	1.32804 AU
superior conj	6319 Jul 21 18:55	2°♄27'02	0°38'32	asc. node	6320 Jul 03 20:38	14°♄18'18	
minimum elong	6319 Jul 21 17:17	2°♄18'02	0°38'10				
evening rise	6319 Jul 28 14:32	17°♄19'57		superior conj	6320 Jul 05 02:01	16°♄55'54	0°12'37
	6319 Aug 03 19:34	0°♄		minimum elong	6320 Jul 05 01:24	16°♄52'37	0°12'27
desc. node	6319 Aug 22 16:32	27°♄57'47		behind sun begin	6320 Jul 04 22:02	16°♄34'31	
evening max el	6319 Aug 23 09:28	28°♄39'13	24°45'50	behind sun end	6320 Jul 05 04:46	17°♄10'44	
	6319 Aug 24 20:46	0°♄			6320 Jul 11 03:06	0°♄	
retrograde	6319 Sep 06 06:21	5°♄38'35		evening rise	6320 Jul 12 02:18	2°♄03'47	
evening set	6319 Sep 11 14:30	4°♄34'36			6320 Jul 27 10:27	0°♄	
min. Earth dist.	6319 Sep 16 20:45	1°♄48'12	0.56965 AU	evening max el	6320 Aug 03 21:28	8°♄58'46	23°08'24
inferior conj	6319 Sep 19 15:29	29°♄59'58	-5°23'43	desc. node	6320 Aug 08 13:36	12°♄47'29	

retrograde	6320 Aug 17 07:16	15° \mathbb{M} 41'13		evening max el	6321 Jul 16 14:31	19° Ω 24'01	21°33'18
evening set	6320 Aug 21 03:16	15° \mathbb{M} 09'05		desc. node	6321 Jul 26 10:38	25° Ω 15'34	
min. Earth dist.	6320 Aug 28 06:21	11° \mathbb{M} 54'23	0.55486 AU	retrograde	6321 Jul 28 22:17	25° Ω 30'17	
inferior conj	6320 Aug 29 23:11	10° \mathbb{M} 55'05	-5°07'51	evening set	6321 Jul 31 10:40	25° Ω 15'51	
minimum elong	6320 Aug 29 17:33	11° \mathbb{M} 03'18	5°07'09	inferior conj	6321 Aug 09 17:52	21° Ω 15'55	-3°58'56
morning rise	6320 Sep 07 10:05	7° \mathbb{M} 04'13		minimum elong	6321 Aug 09 08:44	21° Ω 28'43	3°56'26
direct	6320 Sep 10 09:32	6° \mathbb{M} 43'07		min. Earth dist.	6321 Aug 09 15:58	21° Ω 18'36	0.54778 AU
morning max el	6320 Sep 21 05:43	11° \mathbb{M} 46'06	20°34'45	morning rise	6321 Aug 18 07:54	17° Ω 24'07	
asc. node	6320 Sep 29 19:56	22° \mathbb{M} 43'35		direct	6321 Aug 21 19:10	16° Ω 57'59	
	6320 Oct 04 00:54	0° Ω		morning max el	6321 Sep 03 04:50	22° Ω 48'46	22°07'51
morning set	6320 Oct 10 04:26	12° Ω 06'38			6321 Sep 09 11:35	0° \mathbb{M}	
				asc. node	6321 Sep 16 16:59	11° \mathbb{M} 24'00	
superior conj	6320 Oct 17 16:35	27° Ω 36'33	1°40'51	morning set	6321 Sep 24 14:30	26° \mathbb{M} 55'09	
minimum elong	6320 Oct 17 17:38	27° Ω 41'54	1°40'51		6321 Sep 26 01:34	0° Ω	
	6320 Oct 18 20:54	0° \mathbb{M}					
max. Earth dist.	6320 Oct 22 18:34	7° \mathbb{M} 43'17	1.36138 AU	superior conj	6321 Oct 01 17:58	12° Ω 04'58	1°42'28
evening rise	6320 Oct 26 16:48	15° \mathbb{M} 09'04		minimum elong	6321 Oct 01 17:38	12° Ω 03'12	1°42'29
	6320 Nov 04 04:24	0° \mathbb{X}		max. Earth dist.	6321 Oct 05 08:52	19° Ω 36'43	1.34438 AU
desc. node	6320 Nov 04 12:45	0° \mathbb{X} 34'33		evening rise	6321 Oct 09 20:37	28° Ω 33'05	
	6320 Nov 25 02:04	0° \mathbb{Z}			6321 Oct 10 14:40	0° \mathbb{M}	
evening max el	6320 Dec 01 07:27	6° \mathbb{Z} 46'29	26°07'52	desc. node	6321 Oct 22 09:48	20° \mathbb{M} 47'55	
retrograde	6320 Dec 13 22:51	13° \mathbb{Z} 56'23			6321 Oct 28 09:07	0° \mathbb{X}	
evening set	6320 Dec 20 04:12	11° \mathbb{Z} 23'43		evening max el	6321 Nov 13 20:15	20° \mathbb{X} 23'34	26°58'43
min. Earth dist.	6320 Dec 24 09:36	6° \mathbb{Z} 55'32	0.66755 AU	retrograde	6321 Nov 27 01:56	27° \mathbb{X} 42'05	
inferior conj	6320 Dec 25 22:23	5° \mathbb{Z} 01'47	-0°17'39	evening set	6321 Dec 03 18:52	25° \mathbb{X} 03'37	
minimum elong	6320 Dec 25 22:51	5° \mathbb{Z} 00'19	0°17'24	min. Earth dist.	6321 Dec 07 18:00	21° \mathbb{X} 10'19	0.65537 AU
asc. node	6320 Dec 26 19:13	3° \mathbb{Z} 57'52		inferior conj	6321 Dec 09 18:29	18° \mathbb{X} 51'40	-1°19'12
	6320 Dec 30 15:04	30° \mathbb{R} \mathbb{X}		minimum elong	6321 Dec 09 20:46	18° \mathbb{X} 45'06	1°18'12
morning rise	6320 Dec 31 18:07	29° \mathbb{X} 13'23		asc. node	6321 Dec 13 16:15	14° \mathbb{X} 49'09	
direct	6321 Jan 03 21:07	28° \mathbb{X} 17'47		morning rise	6321 Dec 15 23:45	13° \mathbb{X} 15'09	
	6321 Jan 08 07:50	0° \mathbb{Z}		direct	6321 Dec 18 17:41	12° \mathbb{X} 34'09	
morning max el	6321 Jan 10 14:42	1° \mathbb{Z} 58'40	18°45'47	morning max el	6321 Dec 25 05:12	16° \mathbb{X} 02'09	18°10'05
	6321 Jan 30 05:03	0° \approx			6322 Jan 04 10:18	0° \mathbb{Z}	
desc. node	6321 Jan 31 12:02	2° \approx 01'36		morning set	6322 Jan 12 19:50	13° \mathbb{Z} 35'42	
morning set	6321 Feb 01 02:54	2° \approx 59'56		desc. node	6322 Jan 18 09:03	22° \mathbb{Z} 36'08	
max. Earth dist.	6321 Feb 16 10:38	27° \approx 00'35	1.45291 AU		6322 Jan 22 23:49	0° \approx	
superior conj	6321 Feb 17 12:13	28° \approx 41'00	-1°42'26	superior conj	6322 Jan 27 17:03	7° \approx 28'28	-1°02'31
minimum elong	6321 Feb 17 02:52	28° \approx 04'19	1°41'35	minimum elong	6322 Jan 27 09:34	6° \approx 58'59	1°01'33
	6321 Feb 18 08:20	0° \mathbb{X}		max. Earth dist.	6322 Jan 30 05:53	11° \approx 27'38	1.45327 AU
evening rise	6321 Mar 04 21:07	23° \mathbb{X} 05'52			6322 Feb 11 03:07	0° \mathbb{X}	
	6321 Mar 09 03:57	0° \mathbb{Y}		evening rise	6322 Feb 12 22:19	2° \mathbb{X} 47'57	
greatest brilliancy	6321 Mar 11 18:48	4° \mathbb{Y} 12'29	-0.9m	greatest brilliancy	6322 Feb 25 06:35	21° \mathbb{X} 49'59	-0.7m
asc. node	6321 Mar 24 18:26	23° \mathbb{Y} 05'11			6322 Mar 02 20:52	0° \mathbb{Y}	
evening max el	6321 Mar 25 22:26	24° \mathbb{Y} 20'10	18°42'54	evening max el	6322 Mar 09 06:05	7° \mathbb{Y} 53'41	19°27'26
retrograde	6321 Apr 01 13:39	28° \mathbb{Y} 00'26		asc. node	6322 Mar 11 15:29	10° \mathbb{Y} 02'42	
evening set	6321 Apr 04 19:24	27° \mathbb{Y} 00'32		retrograde	6322 Mar 16 10:39	12° \mathbb{Y} 00'28	
inferior conj	6321 Apr 10 11:08	21° \mathbb{Y} 22'07	3°29'14	evening set	6322 Mar 19 23:54	10° \mathbb{Y} 46'38	
minimum elong	6321 Apr 10 10:58	21° \mathbb{Y} 22'37	3°29'13	inferior conj	6322 Mar 25 10:41	4° \mathbb{Y} 52'56	3°21'08
min. Earth dist.	6321 Apr 12 08:27	19° \mathbb{Y} 03'23	0.65333 AU	minimum elong	6322 Mar 25 09:21	4° \mathbb{Y} 57'18	3°20'58
morning rise	6321 Apr 16 01:59	15° \mathbb{Y} 07'08		min. Earth dist.	6322 Mar 26 16:56	3° \mathbb{Y} 13'51	0.66694 AU
direct	6321 Apr 22 16:11	12° \mathbb{Y} 18'26			6322 Mar 29 09:06	30° \mathbb{R} \mathbb{X}	
desc. node	6321 Apr 29 11:24	14° \mathbb{Y} 40'46		morning rise	6322 Mar 30 18:29	28° \mathbb{X} 36'53	
morning max el	6321 May 05 23:10	20° \mathbb{Y} 08'46	26°59'02	direct	6322 Apr 05 22:38	25° \mathbb{X} 52'14	
	6321 May 14 09:51	0° \mathbb{Z}			6322 Apr 14 19:22	0° \mathbb{Y}	
	6321 Jun 03 00:40	0° \mathbb{I}		desc. node	6322 Apr 16 08:25	1° \mathbb{Y} 20'44	
morning set	6321 Jun 10 16:19	14° \mathbb{I} 00'57		morning max el	6322 Apr 18 09:00	3° \mathbb{Y} 17'58	25°49'59
max. Earth dist.	6321 Jun 15 01:52	22° \mathbb{I} 41'05	1.33988 AU		6322 May 08 16:08	0° \mathbb{Z}	
	6321 Jun 18 15:20	0° \mathbb{E}		morning set	6322 May 24 12:51	26° \mathbb{Z} 41'59	
					6322 May 26 07:34	0° \mathbb{I}	
superior conj	6321 Jun 19 03:46	1° \mathbb{E} 04'58	-0°16'10	max. Earth dist.	6322 May 28 08:12	3° \mathbb{I} 50'19	1.35634 AU
minimum elong	6321 Jun 19 04:38	1° \mathbb{E} 09'30	0°16'01				
behind sun begin	6321 Jun 19 04:26	1° \mathbb{E} 08'27		superior conj	6322 Jun 02 21:31	14° \mathbb{I} 46'07	-0°46'35
behind sun end	6321 Jun 19 04:50	1° \mathbb{E} 10'34		minimum elong	6322 Jun 03 00:10	14° \mathbb{I} 59'31	0°46'07
asc. node	6321 Jun 20 17:41	4° \mathbb{E} 24'16		asc. node	6322 Jun 07 14:42	24° \mathbb{I} 24'42	
evening rise	6321 Jun 26 12:45	16° \mathbb{E} 39'55			6322 Jun 10 07:48	0° \mathbb{E}	
	6321 Jul 03 04:57	0° Ω		evening rise	6322 Jun 10 19:42	1° \mathbb{E} 00'58	

	6322 Jun 28 09:58	0°♎			6323 May 18 06:37	0°♊	
evening max el	6322 Jun 28 19:13	0°♎23'06	20°12'27	asc. node	6323 May 25 11:44	14°♊15'46	
retrograde	6322 Jul 09 11:44	5°♎37'52		evening rise	6323 May 25 20:46	15°♊00'32	
evening set	6322 Jul 11 09:56	5°♎28'23			6323 Jun 02 19:10	0°♊	
desc. node	6322 Jul 13 07:41	5°♎01'29		evening max el	6323 Jun 11 12:35	12°♊05'31	19°11'00
inferior conj	6322 Jul 20 12:44	1°♎30'05	-2°09'31	retrograde	6323 Jun 20 12:17	16°♊30'10	
minimum elong	6322 Jul 20 06:43	1°♎38'58	2°07'22	evening set	6323 Jun 22 11:12	16°♊18'32	
min. Earth dist.	6322 Jul 22 03:31	0°♎32'45	0.55021 AU	desc. node	6323 Jun 30 04:43	12°♊35'43	
	6322 Jul 23 02:10	30°♋♊		inferior conj	6323 Jun 30 21:25	12°♊07'45	-0°12'31
morning rise	6322 Jul 29 02:09	27°♊16'41		minimum elong	6323 Jun 30 20:53	12°♊08'39	0°12'22
direct	6322 Aug 02 06:07	26°♊39'01		transit middle	6323 Jun 30 20:53	12°♊08'39	0°12'22
	6322 Aug 11 19:11	0°♎		transit begin	6323 Jun 30 18:27	12°♊12'45	
morning max el	6322 Aug 15 19:50	3°♎16'57	23°51'50	transit end	6323 Jun 30 23:19	12°♊04'33	
	6322 Sep 03 06:41	0°♎		min. Earth dist.	6323 Jul 03 17:46	10°♊13'19	0.56184 AU
asc. node	6322 Sep 03 14:01	0°♎35'15		morning rise	6323 Jul 09 03:30	7°♊19'52	
morning set	6322 Sep 09 02:05	11°♎46'39		direct	6323 Jul 14 04:44	6°♊20'49	
				morning max el	6323 Jul 28 09:06	13°♊35'22	25°32'31
superior conj	6322 Sep 16 00:59	26°♎48'38	1°37'38		6323 Aug 10 06:47	0°♎	
minimum elong	6322 Sep 15 23:35	26°♎41'01	1°37'33	asc. node	6323 Aug 21 11:01	20°♎09'12	
	6322 Sep 17 12:29	0°♎		morning set	6323 Aug 24 13:32	26°♎36'20	
max. Earth dist.	6322 Sep 18 07:50	1°♎43'33	1.33147 AU		6323 Aug 26 03:32	0°♎	
evening rise	6322 Sep 23 12:24	12°♎30'19		superior conj	6323 Aug 31 11:20	11°♎40'10	1°27'12
	6322 Oct 02 20:00	0°♎		minimum elong	6323 Aug 31 09:15	11°♎28'47	1°26'57
desc. node	6322 Oct 09 06:52	10°♎38'28		max. Earth dist.	6323 Sep 01 14:09	14°♎07'26	1.32295 AU
	6322 Oct 23 17:21	0°♎		evening rise	6323 Sep 07 12:50	26°♎51'15	
evening max el	6322 Oct 27 08:17	3°♎43'18	27°25'31		6323 Sep 09 01:39	0°♎	
retrograde	6322 Nov 09 22:56	11°♎01'45		desc. node	6323 Sep 26 03:54	29°♎56'20	
evening set	6322 Nov 16 23:59	8°♎25'31			6323 Sep 26 04:54	0°♎	
min. Earth dist.	6322 Nov 20 17:58	5°♎05'11	0.63982 AU	evening max el	6323 Oct 09 17:21	16°♎32'08	27°22'03
inferior conj	6322 Nov 23 06:07	2°♎29'07	-2°24'19	retrograde	6323 Oct 23 12:40	23°♎45'43	
minimum elong	6322 Nov 23 10:27	2°♎17'51	2°22'36	evening set	6323 Oct 30 16:09	21°♎22'00	
	6322 Nov 25 18:09	30°♋♎		min. Earth dist.	6323 Nov 03 07:41	18°♎29'11	0.62141 AU
morning rise	6322 Nov 29 22:27	27°♎07'24		inferior conj	6323 Nov 06 06:17	15°♎46'12	-3°29'42
asc. node	6322 Nov 30 13:17	26°♎54'11		minimum elong	6323 Nov 06 12:24	15°♎32'04	3°27'40
direct	6322 Dec 02 09:42	26°♎36'59		morning rise	6323 Nov 13 10:33	10°♎42'41	
	6322 Dec 08 21:34	0°♎		direct	6323 Nov 15 17:57	10°♎19'13	
morning max el	6322 Dec 08 22:09	0°♎01'27	17°51'29	asc. node	6323 Nov 17 10:19	10°♎32'04	
morning set	6322 Dec 25 16:42	25°♎33'33		morning max el	6323 Nov 22 14:24	13°♎48'17	17°50'47
	6322 Dec 28 07:13	0°♎			6323 Dec 03 15:51	0°♎	
desc. node	6323 Jan 05 06:04	13°♎18'24		morning set	6323 Dec 08 11:06	8°♎32'48	
superior conj	6323 Jan 07 13:45	17°♎05'57	-0°16'25	superior conj	6323 Dec 19 11:55	27°♎57'19	0°25'56
minimum elong	6323 Jan 07 11:54	16°♎58'23	0°16'06	minimum elong	6323 Dec 19 14:14	28°♎07'14	0°25'38
behind sun begin	6323 Jan 07 11:27	16°♎56'34			6323 Dec 20 16:49	0°♎	
behind sun end	6323 Jan 07 12:21	17°♎00'13		desc. node	6323 Dec 23 03:05	4°♎04'17	
max. Earth dist.	6323 Jan 13 00:28	25°♎50'48	1.44636 AU	max. Earth dist.	6323 Dec 26 16:04	9°♎53'40	1.43299 AU
	6323 Jan 15 15:34	0°♎		evening rise	6324 Jan 02 23:37	21°♎32'04	
evening rise	6323 Jan 23 10:10	12°♎04'26			6324 Jan 08 11:47	0°♎	
	6323 Feb 04 06:44	0°♎			6324 Jan 29 17:32	0°♎	
evening max el	6323 Feb 20 08:42	21°♎29'39	20°26'53	evening max el	6324 Feb 03 05:51	5°♎06'34	21°38'05
asc. node	6323 Feb 26 12:32	25°♎53'08		retrograde	6324 Feb 12 06:37	10°♎27'53	
retrograde	6323 Feb 28 08:59	26°♎11'12		asc. node	6324 Feb 13 09:34	10°♎21'14	
evening set	6323 Mar 04 07:00	24°♎42'42		evening set	6324 Feb 16 14:52	8°♎44'03	
inferior conj	6323 Mar 09 15:19	18°♎35'54	3°01'18	inferior conj	6324 Feb 21 22:45	2°♎26'50	2°31'42
minimum elong	6323 Mar 09 13:15	18°♎42'57	3°00'53	minimum elong	6324 Feb 21 20:24	2°♎34'59	2°31'05
min. Earth dist.	6323 Mar 10 07:40	17°♎40'06	0.67624 AU	min. Earth dist.	6324 Feb 22 02:26	2°♎14'03	0.68125 AU
morning rise	6323 Mar 14 19:17	12°♎21'08			6324 Feb 23 17:43	30°♋♎	
direct	6323 Mar 20 10:29	9°♎50'18		morning rise	6324 Feb 27 01:45	26°♎14'55	
morning max el	6323 Mar 31 17:42	16°♎36'01	24°25'35	direct	6324 Mar 03 02:38	24°♎04'10	
desc. node	6323 Apr 03 05:25	19°♎15'17		morning max el	6324 Mar 13 03:16	0°♎00'17	22°56'07
	6323 Apr 11 20:13	0°♎			6324 Mar 13 03:09	0°♎	
	6323 May 01 15:50	0°♎		desc. node	6324 Mar 20 02:24	8°♎02'54	
morning set	6323 May 06 14:21	8°♎25'29			6324 Apr 04 16:13	0°♎	
max. Earth dist.	6323 May 10 05:39	14°♎53'36	1.37668 AU	morning set	6324 Apr 16 14:56	18°♎56'15	
superior conj	6323 May 17 04:04	27°♎51'32	-1°16'46	max. Earth dist.	6324 Apr 21 01:34	26°♎26'29	1.39883 AU
minimum elong	6323 May 17 08:28	28°♎12'44	1°16'07		6324 Apr 23 02:49	0°♎	

superior conj	6324 Apr 28 19:19	10°♄10'58	-1°43'49	minimum elong	6325 Apr 10 18:28	21°♄50'22	2°03'17
minimum elong	6324 Apr 29 00:38	10°♄35'20	1°43'16		6325 Apr 15 09:37	0°♄	
evening rise	6324 May 08 12:53	28°♄30'42		evening rise	6325 Apr 21 16:15	11°♄21'56	
	6324 May 09 07:37	0°♄		asc. node	6325 Apr 28 05:49	23°♄10'03	
asc. node	6324 May 11 08:47	3°♄52'50			6325 May 02 09:22	0°♄	
evening max el	6324 May 24 15:58	24°♄26'58	18°30'04	evening max el	6325 May 08 01:44	7°♄18'08	18°09'14
retrograde	6324 Jun 01 07:45	28°♄14'52		retrograde	6325 May 14 21:23	10°♄45'23	
evening set	6324 Jun 03 12:58	27°♄56'44		evening set	6325 May 17 09:43	10°♄17'42	
inferior conj	6324 Jun 11 03:07	23°♄26'23	1°24'15	inferior conj	6325 May 24 05:53	5°♄26'51	2°31'12
minimum elong	6324 Jun 11 05:52	23°♄20'56	1°23'18	minimum elong	6325 May 24 09:08	5°♄19'22	2°30'22
min. Earth dist.	6324 Jun 14 12:19	20°♄47'25	0.58020 AU	min. Earth dist.	6325 May 27 13:35	2°♄24'57	0.60197 AU
desc. node	6324 Jun 16 01:42	19°♄40'39			6325 May 30 15:57	30°♄	
morning rise	6324 Jun 18 19:30	18°♄03'26		morning rise	6325 May 31 05:58	29°♄37'26	
direct	6324 Jun 24 17:18	16°♄34'04		desc. node	6325 Jun 02 22:43	28°♄16'56	
morning max el	6324 Jul 09 02:35	24°♄13'26	26°53'38	direct	6325 Jun 06 18:34	27°♄34'47	
	6324 Jul 14 08:51	0°♄			6325 Jun 14 07:39	0°♄	
	6324 Aug 02 08:56	0°♄		morning max el	6325 Jun 21 02:47	5°♄29'51	27°42'21
asc. node	6324 Aug 07 08:02	9°♄59'26			6325 Jul 09 09:15	0°♄	
morning set	6324 Aug 07 23:16	11°♄19'28		morning set	6325 Jul 23 05:30	25°♄49'32	
				asc. node	6325 Jul 25 05:04	29°♄59'39	
superior conj	6324 Aug 14 23:06	26°♄33'33	1°11'46		6325 Jul 25 05:08	0°♄	
minimum elong	6324 Aug 14 20:49	26°♄20'55	1°11'23	max. Earth dist.	6325 Jul 29 11:14	9°♄13'50	1.31880 AU
max. Earth dist.	6324 Aug 15 00:35	26°♄41'45	1.31872 AU				
	6324 Aug 16 12:25	0°♄		superior conj	6325 Jul 30 10:28	11°♄21'49	0°51'51
evening rise	6324 Aug 21 19:12	11°♄27'51		minimum elong	6325 Jul 30 08:27	11°♄10'42	0°51'26
	6324 Aug 31 06:10	0°♄		evening rise	6325 Aug 06 05:11	26°♄11'55	
desc. node	6324 Sep 12 00:56	18°♄28'29			6325 Aug 08 00:25	0°♄	
evening max el	6324 Sep 20 20:35	28°♄37'31	26°44'58		6325 Aug 25 05:13	0°♄	
	6324 Sep 22 09:01	0°♄		desc. node	6325 Aug 29 21:58	5°♄55'28	
retrograde	6324 Oct 04 18:18	5°♄46'06		evening max el	6325 Sep 02 15:55	9°♄52'00	25°36'13
evening set	6324 Oct 11 15:05	3°♄46'17		retrograde	6325 Sep 16 14:28	16°♄56'27	
min. Earth dist.	6324 Oct 15 10:30	1°♄09'55	0.60106 AU	evening set	6325 Sep 22 15:53	15°♄30'38	
	6324 Oct 16 21:35	30°♄		min. Earth dist.	6325 Sep 27 03:56	12°♄53'25	0.58050 AU
inferior conj	6324 Oct 18 15:36	28°♄34'13	-4°29'13	inferior conj	6325 Sep 30 06:35	10°♄42'33	-5°12'21
minimum elong	6324 Oct 18 22:13	28°♄20'50	4°27'38	minimum elong	6325 Sep 30 10:51	10°♄35'00	5°11'52
morning rise	6324 Oct 26 07:29	23°♄52'20		morning rise	6325 Oct 08 08:09	6°♄23'55	
direct	6324 Oct 28 14:25	23°♄32'43		direct	6325 Oct 10 18:24	6°♄05'37	
asc. node	6324 Nov 03 07:20	25°♄41'20		morning max el	6325 Oct 19 07:38	10°♄10'43	18°48'25
morning max el	6324 Nov 05 02:44	27°♄14'51	18°09'13	asc. node	6325 Oct 21 04:22	12°♄08'22	
	6324 Nov 07 14:09	0°♄			6325 Nov 01 09:15	0°♄	
morning set	6324 Nov 20 20:56	22°♄15'38		morning set	6325 Nov 04 17:27	6°♄27'50	
	6324 Nov 24 23:57	0°♄					
superior conj	6324 Nov 30 11:06	10°♄01'20	0°59'20	superior conj	6325 Nov 13 06:26	23°♄03'26	1°22'39
minimum elong	6324 Nov 30 14:50	10°♄18'04	0°58'52	minimum elong	6325 Nov 13 09:40	23°♄18'43	1°22'21
max. Earth dist.	6324 Dec 08 02:50	23°♄21'22	1.41472 AU		6325 Nov 16 23:50	0°♄	
desc. node	6324 Dec 09 00:06	24°♄50'42		max. Earth dist.	6325 Nov 20 08:53	6°♄04'48	1.39373 AU
	6324 Dec 12 02:59	0°♄		evening rise	6325 Nov 24 07:37	12°♄55'34	
evening rise	6324 Dec 13 04:35	1°♄43'58		desc. node	6325 Nov 25 21:08	15°♄33'48	
	6324 Dec 31 22:07	0°♄			6325 Dec 04 21:27	0°♄	
evening max el	6325 Jan 15 22:19	18°♄45'22	22°56'27		6325 Dec 27 03:20	0°♄	
retrograde	6325 Jan 26 02:04	24°♄46'52		evening max el	6325 Dec 29 11:54	2°♄27'31	24°16'15
asc. node	6325 Jan 30 06:36	23°♄17'36		retrograde	6326 Jan 09 18:09	9°♄03'58	
evening set	6325 Jan 30 21:57	22°♄47'34		evening set	6326 Jan 15 02:42	6°♄49'59	
inferior conj	6325 Feb 05 07:02	16°♄23'11	1°53'38	asc. node	6326 Jan 17 03:38	4°♄47'35	
minimum elong	6325 Feb 05 04:52	16°♄30'41	1°52'56	min. Earth dist.	6326 Jan 19 19:15	1°♄27'02	0.67932 AU
min. Earth dist.	6325 Feb 04 23:02	16°♄50'53	0.68220 AU	inferior conj	6326 Jan 20 14:24	0°♄22'36	1°07'59
morning rise	6325 Feb 10 11:42	10°♄15'29		minimum elong	6326 Jan 20 12:53	0°♄27'43	1°07'25
direct	6325 Feb 14 22:13	8°♄27'28			6326 Jan 20 21:07	30°♄	
morning max el	6325 Feb 23 17:16	13°♄33'56	21°30'25	morning rise	6326 Jan 25 23:09	24°♄20'36	
desc. node	6325 Mar 06 23:24	27°♄28'54		direct	6326 Jan 29 20:09	22°♄54'57	
	6325 Mar 08 18:36	0°♄		morning max el	6326 Feb 06 14:31	27°♄19'28	20°15'01
morning set	6325 Mar 27 11:17	28°♄08'04			6326 Feb 09 01:53	0°♄	
	6325 Mar 28 15:25	0°♄		desc. node	6326 Feb 21 20:25	17°♄22'53	
max. Earth dist.	6325 Apr 03 02:24	8°♄51'22	1.42000 AU		6326 Mar 02 06:03	0°♄	
				morning set	6326 Mar 06 10:34	6°♄25'54	
superior conj	6325 Apr 10 14:23	21°♄32'39	-2°03'28	max. Earth dist.	6326 Mar 16 10:14	22°♄08'13	1.43747 AU
					6326 Mar 21 06:41	0°♄	

superior conj	6326 Mar 22 09:03	1° Υ 48'22	-2°10'09	superior conj	6327 Mar 02 03:23	11° Υ 01'32	-1°58'21
minimum elong	6326 Mar 22 08:25	1° Υ 45'46	2°10'08	minimum elong	6327 Mar 01 20:12	10° Υ 33'03	1°57'54
evening rise	6326 Apr 04 02:26	23° Υ 24'27			6327 Mar 13 21:31	0° Υ	
	6326 Apr 07 21:35	0° Υ		evening rise	6327 Mar 16 15:02	4° Υ 29'46	
asc. node	6326 Apr 15 02:52	12° Υ 00'57		asc. node	6327 Apr 01 23:55	0° Υ 16'25	
evening max el	6326 Apr 21 14:32	20° Υ 30'29	18°07'49		6327 Apr 01 18:54	0° Υ	
retrograde	6326 Apr 28 01:02	23° Υ 52'06		evening max el	6327 Apr 05 03:14	3° Υ 55'17	18°25'02
evening set	6326 Apr 30 20:09	23° Υ 12'50		retrograde	6327 Apr 11 14:12	7° Υ 24'57	
inferior conj	6326 May 07 02:15	18° Υ 02'36	3°10'24	evening set	6327 Apr 14 16:01	6° Υ 32'46	
minimum elong	6326 May 07 04:26	17° Υ 56'52	3°10'03	inferior conj	6327 Apr 20 11:59	1° Υ 04'22	3°27'25
min. Earth dist.	6326 May 09 23:23	15° Υ 02'17	0.62393 AU	minimum elong	6327 Apr 20 12:39	1° Υ 02'26	3°27'21
morning rise	6326 May 13 11:05	11° Υ 57'29			6327 Apr 21 09:57	30° Υ	
direct	6326 May 20 06:28	9° Υ 27'14		min. Earth dist.	6327 Apr 22 18:22	28° Υ 26'17	0.64366 AU
desc. node	6326 May 20 19:44	9° Υ 28'10		morning rise	6327 Apr 26 08:26	24° Υ 51'41	
morning max el	6326 Jun 03 08:45	17° Υ 29'02	27°53'11	direct	6327 May 03 02:33	22° Υ 05'44	
	6326 Jun 13 18:45	0° Υ		desc. node	6327 May 07 16:45	23° Υ 10'56	
	6326 Jul 02 03:34	0° Υ		morning max el	6327 May 16 17:59	0° Υ 03'27	27°27'44
morning set	6326 Jul 07 06:12	10° Υ 00'32			6327 May 16 16:36	0° Υ	
asc. node	6326 Jul 12 02:07	20° Υ 05'30			6327 Jun 07 18:29	0° Υ	
max. Earth dist.	6326 Jul 12 18:10	21° Υ 31'39	1.32332 AU	morning set	6327 Jun 20 22:46	23° Υ 44'26	
					6327 Jun 24 01:48	0° Υ	
superior conj	6326 Jul 14 19:42	25° Υ 59'51	0°27'57	max. Earth dist.	6327 Jun 25 17:34	3° Υ 24'26	1.33245 AU
minimum elong	6326 Jul 14 18:26	25° Υ 52'58	0°27'39	asc. node	6327 Jun 28 23:10	10° Υ 12'25	
	6326 Jul 16 15:41	0° Υ					
evening rise	6326 Jul 21 16:50	10° Υ 57'38		superior conj	6327 Jun 29 00:49	10° Υ 21'17	0°00'43
	6326 Jul 31 08:57	0° Υ		minimum elong	6327 Jun 29 00:47	10° Υ 21'04	0°00'41
evening max el	6326 Aug 15 04:59	20° Υ 24'52	24°05'03	behind sun begin	6327 Jun 28 19:20	9° Υ 52'07	
desc. node	6326 Aug 16 19:00	21° Υ 51'52		behind sun end	6327 Jun 29 06:14	10° Υ 50'04	
retrograde	6326 Aug 28 23:07	27° Υ 19'34		evening rise	6327 Jul 06 04:15	25° Υ 38'49	
evening set	6326 Sep 02 16:10	26° Υ 30'32			6327 Jul 08 06:14	0° Υ	
min. Earth dist.	6326 Sep 08 15:40	23° Υ 33'35	0.56262 AU		6327 Jul 27 00:53	0° Υ	
inferior conj	6326 Sep 11 01:19	22° Υ 04'44	-5°23'09	evening max el	6327 Jul 27 18:17	0° Υ 43'33	22°26'54
minimum elong	6326 Sep 10 23:40	22° Υ 07'18	5°23'06	desc. node	6327 Aug 03 16:01	5° Υ 45'39	
morning rise	6326 Sep 19 09:31	18° Υ 06'09		retrograde	6327 Aug 09 19:05	7° Υ 12'33	
direct	6326 Sep 22 03:03	17° Υ 46'48		evening set	6327 Aug 12 23:55	6° Υ 50'02	
morning max el	6326 Oct 02 01:50	22° Υ 26'08	19°49'35	min. Earth dist.	6327 Aug 21 01:13	3° Υ 19'04	0.55078 AU
asc. node	6326 Oct 08 01:24	29° Υ 38'06		inferior conj	6327 Aug 22 02:20	2° Υ 43'31	-4°45'05
	6326 Oct 08 07:23	0° Υ		minimum elong	6327 Aug 21 18:25	2° Υ 54'45	4°43'33
morning set	6326 Oct 19 21:13	20° Υ 59'54			6327 Aug 27 08:39	30° Υ	
	6326 Oct 24 07:26	0° Υ		morning rise	6327 Aug 30 14:44	28° Υ 54'19	
				direct	6327 Sep 02 18:56	28° Υ 31'26	
superior conj	6326 Oct 27 16:41	6° Υ 48'38	1°36'36		6327 Sep 08 19:52	0° Υ	
minimum elong	6326 Oct 27 18:35	6° Υ 58'06	1°36'30	morning max el	6327 Sep 14 07:32	3° Υ 54'40	21°12'13
max. Earth dist.	6326 Nov 02 14:04	18° Υ 12'03	1.37267 AU	asc. node	6327 Sep 24 22:27	17° Υ 56'31	
evening rise	6326 Nov 06 08:31	25° Υ 06'30			6327 Oct 01 10:07	0° Υ	
	6326 Nov 09 03:06	0° Υ		morning set	6327 Oct 04 05:39	5° Υ 44'44	
desc. node	6326 Nov 12 18:11	6° Υ 09'36					
	6326 Nov 28 11:57	0° Υ		superior conj	6327 Oct 11 13:33	21° Υ 04'37	1°42'23
evening max el	6326 Dec 12 00:41	16° Υ 12'45	25°30'36	minimum elong	6327 Oct 11 14:00	21° Υ 06'52	1°42'24
retrograde	6326 Dec 24 05:44	23° Υ 13'54			6327 Oct 15 23:01	0° Υ	
evening set	6326 Dec 30 03:29	20° Υ 47'17		max. Earth dist.	6327 Oct 16 00:14	0° Υ 06'02	1.35375 AU
min. Earth dist.	6327 Jan 03 12:48	15° Υ 58'41	0.67283 AU	evening rise	6327 Oct 20 03:47	8° Υ 07'43	
asc. node	6327 Jan 04 00:40	15° Υ 20'41		desc. node	6327 Oct 30 15:14	26° Υ 33'22	
inferior conj	6327 Jan 04 18:59	14° Υ 21'45	0°15'26		6327 Nov 01 18:30	0° Υ	
minimum elong	6327 Jan 04 18:36	14° Υ 23'01	0°15'18	evening max el	6327 Nov 24 13:48	29° Υ 56'44	26°32'03
transit middle	6327 Jan 04 18:36	14° Υ 23'01	0°15'18		6327 Nov 24 15:10	0° Υ	
transit begin	6327 Jan 04 17:42	14° Υ 25'54		retrograde	6327 Dec 07 12:01	7° Υ 11'00	
transit end	6327 Jan 04 19:30	14° Υ 20'08		evening set	6327 Dec 13 22:27	4° Υ 35'27	
morning rise	6327 Jan 10 10:05	8° Υ 27'29		min. Earth dist.	6327 Dec 18 01:14	0° Υ 21'55	0.66281 AU
direct	6327 Jan 13 19:07	7° Υ 21'50			6327 Dec 18 08:38	30° Υ	
morning max el	6327 Jan 20 19:37	11° Υ 15'27	19°13'44	inferior conj	6327 Dec 19 18:51	28° Υ 17'07	-0°43'08
greatest brilliancy	6327 Feb 03 05:50	29° Υ 14'45	-0.7m	minimum elong	6327 Dec 19 20:03	28° Υ 13'32	0°42'36
	6327 Feb 03 17:49	0° Υ		asc. node	6327 Dec 21 21:42	25° Υ 49'46	
desc. node	6327 Feb 08 17:25	7° Υ 36'55		morning rise	6327 Dec 25 18:23	22° Υ 33'08	
morning set	6327 Feb 13 10:58	14° Υ 55'26		direct	6327 Dec 28 17:19	21° Υ 44'06	
	6327 Feb 23 03:24	0° Υ		morning max el	6328 Jan 04 07:22	25° Υ 18'15	18°28'29
max. Earth dist.	6327 Feb 27 00:30	6° Υ 05'29	1.44926 AU		6328 Jan 08 07:33	0° Υ	

morning set	6328 Jan 24 10:47	24° ♁ 40'08		desc. node	6329 Jan 12 11:30	18° ♁ 44'09	
desc. node	6328 Jan 26 14:29	28° ♁ 05'43					
	6328 Jan 27 19:16	0° ♁		superior conj	6329 Jan 18 17:11	28° ♁ 46'17	-0°43'01
				minimum elong	6329 Jan 18 12:00	28° ♁ 25'39	0°42'16
superior conj	6328 Feb 09 07:37	19° ♁ 43'03	-1°27'00		6329 Jan 19 11:43	0° ♁	
minimum elong	6328 Feb 08 22:14	19° ♁ 06'14	1°25'58	max. Earth dist.	6329 Jan 22 15:08	4° ♁ 58'10	1.45128 AU
max. Earth dist.	6328 Feb 09 19:17	20° ♁ 28'42	1.45405 AU	evening rise	6329 Feb 03 22:23	24° ♁ 06'40	
	6328 Feb 15 21:05	0° ♁			6329 Feb 07 18:17	0° ♁	
evening rise	6328 Feb 25 04:20	14° ♁ 39'03		greatest brilliancy	6329 Feb 17 23:02	15° ♁ 26'02	-0.6m
greatest brilliancy	6328 Mar 05 17:11	29° ♁ 41'53	-0.8m		6329 Feb 28 19:45	0° ♁	
	6328 Mar 05 21:50	0° ♁		evening max el	6329 Mar 01 18:55	1° ♁ 01'27	19°51'01
evening max el	6328 Mar 18 13:20	17° ♁ 26'52	18°59'54	asc. node	6329 Mar 05 17:57	4° ♁ 16'44	
asc. node	6328 Mar 18 20:57	17° ♁ 45'54		retrograde	6329 Mar 09 07:02	5° ♁ 22'03	
retrograde	6328 Mar 25 09:10	21° ♁ 16'44		evening set	6329 Mar 12 23:56	4° ♁ 01'51	
evening set	6328 Mar 28 18:05	20° ♁ 10'50			6329 Mar 16 21:28	30° ♁	
inferior conj	6328 Apr 03 07:22	14° ♁ 25'45	3°27'21	inferior conj	6329 Mar 18 09:22	28° ♁ 02'04	3°14'00
minimum elong	6328 Apr 03 06:40	14° ♁ 28'00	3°27'18	minimum elong	6329 Mar 18 07:40	28° ♁ 07'44	3°13'44
min. Earth dist.	6328 Apr 04 22:09	12° ♁ 23'17	0.65971 AU	min. Earth dist.	6329 Mar 19 09:27	26° ♁ 41'34	0.67144 AU
morning rise	6328 Apr 08 18:50	8° ♁ 10'14		morning rise	6329 Mar 23 15:11	21° ♁ 46'29	
direct	6328 Apr 15 05:21	5° ♁ 21'55		direct	6329 Mar 29 14:00	19° ♁ 07'02	
desc. node	6328 Apr 23 13:47	8° ♁ 55'24		desc. node	6329 Apr 10 10:49	26° ♁ 10'11	
morning max el	6328 Apr 28 04:05	13° ♁ 02'51	26°32'11	morning max el	6329 Apr 10 13:30	26° ♁ 16'59	25°15'27
	6328 May 11 19:57	0° ♁			6329 Apr 13 23:49	0° ♁	
	6328 May 30 10:39	0° ♁			6329 May 05 09:46	0° ♁	
morning set	6328 Jun 03 03:48	6° ♁ 51'22		morning set	6329 May 16 16:57	19° ♁ 09'46	
max. Earth dist.	6328 Jun 07 06:31	14° ♁ 48'05	1.34633 AU	max. Earth dist.	6329 May 20 08:53	25° ♁ 52'56	1.36459 AU
					6329 May 22 13:09	0° ♁	
superior conj	6328 Jun 11 23:30	24° ♁ 19'08	-0°28'57				
minimum elong	6328 Jun 12 01:06	24° ♁ 27'24	0°28'39	superior conj	6329 May 26 12:55	7° ♁ 46'08	-0°59'33
asc. node	6328 Jun 14 20:12	0° ♁		minimum elong	6329 May 26 16:21	8° ♁ 03'09	0°58'59
	6328 Jun 14 17:04	0° ♁		asc. node	6329 Jun 01 17:13	20° ♁ 13'27	
evening rise	6328 Jun 19 13:28	10° ♁ 09'07		evening rise	6329 Jun 03 18:16	24° ♁ 22'17	
	6328 Jun 30 00:46	0° ♁			6329 Jun 06 13:51	0° ♁	
evening max el	6328 Jul 08 15:50	11° ♁ 20'44	20°56'47	evening max el	6329 Jun 21 01:58	22° ♁ 37'38	19°43'49
retrograde	6328 Jul 20 07:32	17° ♁ 05'41		retrograde	6329 Jul 01 00:41	27° ♁ 30'38	
desc. node	6328 Jul 20 13:02	17° ♁ 05'33		evening set	6329 Jul 02 21:55	27° ♁ 20'52	
evening set	6328 Jul 22 11:53	16° ♁ 54'23		desc. node	6329 Jul 07 10:03	25° ♁ 48'06	
inferior conj	6328 Jul 31 19:11	12° ♁ 57'07	-3°15'45	inferior conj	6329 Jul 11 18:32	23° ♁ 18'12	-1°18'51
minimum elong	6328 Jul 31 10:41	13° ♁ 09'08	3°13'03	minimum elong	6329 Jul 11 14:55	23° ♁ 23'50	1°17'31
min. Earth dist.	6328 Aug 01 11:08	12° ♁ 34'33	0.54762 AU	min. Earth dist.	6329 Jul 13 23:32	21° ♁ 56'03	0.55406 AU
morning rise	6328 Aug 09 09:38	8° ♁ 58'53		morning rise	6329 Jul 20 05:46	18° ♁ 51'10	
direct	6328 Aug 13 03:37	8° ♁ 28'45		direct	6329 Jul 24 18:10	18° ♁ 06'02	
morning max el	6328 Aug 26 02:19	14° ♁ 39'42	22°51'29	morning max el	6329 Aug 07 15:53	25° ♁ 00'41	24°36'09
	6328 Sep 06 21:38	0° ♁			6329 Aug 12 07:19	0° ♁	
asc. node	6328 Sep 10 19:29	6° ♁ 51'23		asc. node	6329 Aug 28 16:31	26° ♁ 13'28	
morning set	6328 Sep 17 16:35	20° ♁ 35'33			6329 Aug 30 13:34	0° ♁	
	6328 Sep 22 02:10	0° ♁		morning set	6329 Sep 02 04:20	5° ♁ 27'20	
superior conj	6328 Sep 24 17:38	5° ♁ 40'33	1°41'09	superior conj	6329 Sep 09 02:20	20° ♁ 28'38	1°33'52
minimum elong	6328 Sep 24 16:48	5° ♁ 36'06	1°41'08	minimum elong	6329 Sep 09 00:36	20° ♁ 19'08	1°33'42
max. Earth dist.	6328 Sep 27 18:36	12° ♁ 05'57	1.33841 AU	max. Earth dist.	6329 Sep 10 21:04	24° ♁ 20'49	1.32730 AU
evening rise	6328 Oct 02 13:08	21° ♁ 47'15			6329 Sep 13 12:30	0° ♁	
	6328 Oct 06 20:14	0° ♁		evening rise	6329 Sep 16 08:57	5° ♁ 55'33	
desc. node	6328 Oct 16 12:16	16° ♁ 38'17			6329 Sep 29 10:15	0° ♁	
	6328 Oct 25 13:54	0° ♁		desc. node	6329 Oct 03 09:16	6° ♁ 16'20	
evening max el	6328 Nov 06 02:36	13° ♁ 28'30	27°13'23	evening max el	6329 Oct 19 13:29	26° ♁ 36'01	27°27'49
retrograde	6328 Nov 19 12:19	20° ♁ 46'53			6329 Oct 23 13:52	0° ♁	
evening set	6328 Nov 26 09:23	18° ♁ 08'21		retrograde	6329 Nov 02 06:15	3° ♁ 52'48	
min. Earth dist.	6328 Nov 30 06:13	14° ♁ 29'32	0.64926 AU	evening set	6329 Nov 09 09:26	1° ♁ 20'09	
inferior conj	6328 Dec 02 11:40	12° ♁ 02'39	-1°46'29		6329 Nov 11 02:32	30° ♁	
minimum elong	6328 Dec 02 14:49	11° ♁ 53'59	1°45'10	min. Earth dist.	6329 Nov 13 01:46	28° ♁ 12'49	0.63240 AU
asc. node	6328 Dec 07 18:44	7° ♁ 08'23		inferior conj	6329 Nov 15 18:47	25° ♁ 32'04	-2°52'17
morning rise	6328 Dec 08 21:29	6° ♁ 32'00		minimum elong	6329 Nov 15 23:57	25° ♁ 19'17	2°50'21
direct	6328 Dec 11 12:23	5° ♁ 55'49			6329 Nov 22 16:12	20° ♁ 18'00	
morning max el	6328 Dec 17 23:15	9° ♁ 20'51	18°00'01	asc. node	6329 Nov 24 15:46	19° ♁ 51'45	
	6329 Jan 01 03:13	0° ♁		direct	6329 Nov 25 01:28	19° ♁ 50'58	
morning set	6329 Jan 04 16:15	5° ♁ 53'16		morning max el	6329 Dec 01 16:20	23° ♁ 16'03	17°48'55

	6329 Dec 07 00:14	0°♊		asc. node	6330 Nov 11 12:49	4°♎09'28	
morning set	6329 Dec 17 23:01	18°♊19'16		morning max el	6330 Nov 15 07:25	6°♎55'47	17°56'11
	6329 Dec 24 17:07	0°♊			6330 Nov 30 03:02	0°♊	
				morning set	6330 Dec 01 00:41	1°♊39'03	
superior conj	6329 Dec 30 00:16	8°♊54'13	0°02'28				
minimum elong	6329 Dec 30 00:31	8°♊55'17	0°02'28	superior conj	6330 Dec 11 09:35	20°♊18'17	0°41'18
behind sun begin	6329 Dec 29 15:11	8°♊16'36		minimum elong	6330 Dec 11 12:49	20°♊32'21	0°40'53
behind sun end	6329 Dec 30 09:51	9°♊33'53		desc. node	6330 Dec 17 05:30	0°♊14'56	
desc. node	6329 Dec 30 08:32	9°♊28'25			6330 Dec 17 01:56	0°♊	
max. Earth dist.	6330 Jan 05 08:41	19°♊14'27	1.44140 AU	max. Earth dist.	6330 Dec 18 21:52	3°♊02'15	1.42568 AU
	6330 Jan 12 04:29	0°♊		evening rise	6330 Dec 25 03:36	13°♊06'11	
evening rise	6330 Jan 14 08:52	3°♊22'38			6331 Jan 05 04:58	0°♊	
	6330 Feb 01 06:23	0°♊		evening max el	6331 Jan 26 14:00	28°♊14'44	22°10'52
evening max el	6330 Feb 12 19:02	14°♊37'02	20°55'56		6331 Jan 28 10:05	0°♊	
asc. node	6330 Feb 20 14:59	19°♊33'44		retrograde	6331 Feb 05 02:23	3°♊53'55	
retrograde	6330 Feb 21 05:24	19°♊35'39		asc. node	6331 Feb 07 12:02	3°♊23'48	
evening set	6330 Feb 25 07:33	18°♊00'39		evening set	6331 Feb 09 15:18	2°♊03'42	
inferior conj	6330 Mar 02 15:26	11°♊48'46	2°49'51		6331 Feb 11 17:01	30°♊	
minimum elong	6330 Mar 02 13:12	11°♊56'30	2°49'20	inferior conj	6331 Feb 14 23:30	25°♊42'55	2°16'34
min. Earth dist.	6330 Mar 03 02:12	11°♊11'35	0.67884 AU	minimum elong	6331 Feb 14 21:11	25°♊51'00	2°15'52
morning rise	6330 Mar 07 18:39	5°♊34'52		min. Earth dist.	6331 Feb 14 22:10	25°♊47'32	0.68212 AU
direct	6330 Mar 13 03:41	3°♊12'15		morning rise	6331 Feb 20 02:53	19°♊32'19	
morning max el	6330 Mar 23 22:23	9°♊38'07	23°47'35	direct	6331 Feb 24 21:34	17°♊30'59	
desc. node	6330 Mar 28 07:49	14°♊29'25		morning max el	6331 Mar 06 09:20	23°♊06'01	22°18'38
	6330 Apr 09 00:08	0°♊			6331 Mar 12 10:06	0°♊	
morning set	6330 Apr 28 08:31	0°♊23'53		desc. node	6331 Mar 15 04:49	3°♊35'08	
	6330 Apr 28 02:55	0°♊			6331 Apr 02 08:54	0°♊	
max. Earth dist.	6330 May 02 04:42	7°♊04'28	1.38599 AU	morning set	6331 Apr 08 21:07	10°♊20'46	
				max. Earth dist.	6331 Apr 14 01:32	18°♊55'43	1.40814 AU
superior conj	6330 May 09 13:27	20°♊32'35	-1°28'51		6331 Apr 20 11:17	0°♊	
minimum elong	6330 May 09 18:24	20°♊55'58	1°28'13				
	6330 May 14 11:40	0°♊		superior conj	6331 Apr 21 20:43	2°♊28'47	-1°53'22
evening rise	6330 May 18 15:56	8°♊10'00		minimum elong	6331 Apr 22 01:52	2°♊51'50	1°52'58
asc. node	6330 May 19 14:14	9°♊58'44		evening rise	6331 May 02 03:08	21°♊24'28	
	6330 May 31 02:22	0°♊		asc. node	6331 May 06 11:16	29°♊27'50	
evening max el	6330 Jun 03 23:55	4°♊36'50	18°51'06		6331 May 06 18:20	0°♊	
retrograde	6330 Jun 12 08:57	8°♊44'14		evening max el	6331 May 18 06:32	17°♊12'12	18°18'49
evening set	6330 Jun 14 10:03	8°♊30'26		retrograde	6331 May 25 12:14	20°♊48'59	
inferior conj	6330 Jun 22 11:45	4°♊11'55	0°31'55	evening set	6331 May 27 20:32	20°♊27'05	
minimum elong	6330 Jun 22 12:59	4°♊09'41	0°31'26	inferior conj	6331 Jun 04 02:40	15°♊48'18	1°56'19
desc. node	6330 Jun 24 07:05	2°♊53'33		minimum elong	6331 Jun 04 05:54	15°♊41'27	1°55'19
min. Earth dist.	6330 Jun 25 15:39	1°♊56'06	0.56893 AU	min. Earth dist.	6331 Jun 07 12:53	12°♊56'21	0.58930 AU
	6330 Jun 28 17:57	30°♊		desc. node	6331 Jun 11 04:06	10°♊24'10	
morning rise	6330 Jun 30 12:30	29°♊08'02		morning rise	6331 Jun 11 12:10	10°♊12'49	
direct	6330 Jul 05 22:44	27°♊56'54		direct	6331 Jun 17 17:26	8°♊28'43	
	6330 Jul 13 05:01	0°♊		morning max el	6331 Jul 02 02:38	16°♊16'09	27°18'44
morning max el	6330 Jul 20 06:34	5°♊24'18	26°10'23		6331 Jul 13 08:24	0°♊	
	6330 Aug 07 05:18	0°♊			6331 Jul 30 15:10	0°♊	
asc. node	6330 Aug 15 13:33	15°♊54'33		morning set	6331 Aug 01 23:41	4°♊51'43	
morning set	6330 Aug 17 15:14	20°♊14'18		asc. node	6331 Aug 02 10:34	5°♊49'00	
	6330 Aug 22 03:17	0°♊		max. Earth dist.	6331 Aug 08 16:06	19°♊21'43	1.31818 AU
superior conj	6330 Aug 24 13:30	5°♊21'18	1°21'14	superior conj	6331 Aug 09 01:19	20°♊12'43	1°03'50
minimum elong	6330 Aug 24 11:17	5°♊09'04	1°20'56	minimum elong	6331 Aug 08 23:05	20°♊00'23	1°03'26
max. Earth dist.	6330 Aug 25 05:19	6°♊48'37	1.32053 AU		6331 Aug 13 11:56	0°♊	
evening rise	6330 Aug 31 12:10	20°♊23'20		evening rise	6331 Aug 15 20:19	5°♊03'25	
	6330 Sep 05 06:18	0°♊			6331 Aug 28 23:27	0°♊	
desc. node	6330 Sep 20 06:18	25°♊16'28		desc. node	6331 Sep 07 03:20	13°♊23'07	
	6330 Sep 23 17:51	0°♊		evening max el	6331 Sep 13 20:21	20°♊50'55	26°19'25
evening max el	6330 Oct 01 20:13	9°♊06'58	27°10'26	retrograde	6331 Sep 27 19:02	27°♊57'50	
retrograde	6330 Oct 15 17:05	16°♊19'17		evening set	6331 Oct 04 09:02	26°♊11'52	
evening set	6330 Oct 22 18:56	14°♊04'04		min. Earth dist.	6331 Oct 08 09:41	23°♊37'12	0.59209 AU
min. Earth dist.	6330 Oct 26 10:53	11°♊20'02	0.61287 AU	inferior conj	6331 Oct 11 14:59	21°♊09'59	-4°50'24
inferior conj	6330 Oct 29 13:05	8°♊37'50	-3°56'11	minimum elong	6331 Oct 11 21:03	20°♊58'24	4°49'16
minimum elong	6330 Oct 29 19:38	8°♊23'27	3°54'14	morning rise	6331 Oct 19 11:16	16°♊37'41	
morning rise	6330 Nov 05 22:27	3°♊43'22		direct	6331 Oct 21 19:01	16°♊18'59	
direct	6330 Nov 08 05:02	3°♊22'03		asc. node	6331 Oct 29 09:52	19°♊53'12	

morning max el	6331 Oct 29 16:59	20° Ω 10'05	18°23'16		6332 Oct 07 23:48	0° Ω	
	6331 Nov 06 01:54	0° \mathbb{M}		morning max el	6332 Oct 11 17:38	2° Ω 49'28	19°11'45
morning set	6331 Nov 14 15:38	15° \mathbb{M} 35'52		asc. node	6332 Oct 15 06:54	6° Ω 48'37	
	6331 Nov 22 05:35	0° \mathcal{A}		morning set	6332 Oct 28 15:39	29° Ω 57'55	
					6332 Oct 28 16:04	0° \mathbb{M}	
superior conj	6331 Nov 23 18:01	2° \mathcal{A} 48'34	1°10'24	superior conj	6332 Nov 05 20:18	16° \mathbb{M} 10'42	1°29'38
minimum elong	6331 Nov 23 21:41	3° \mathcal{A} 05'28	1°10'01	minimum elong	6332 Nov 05 23:01	16° \mathbb{M} 23'51	1°29'26
max. Earth dist.	6331 Dec 01 06:20	16° \mathcal{A} 11'00	1.40598 AU	max. Earth dist.	6332 Nov 12 11:57	28° \mathbb{M} 39'23	1.38467 AU
desc. node	6331 Dec 04 02:32	21° \mathcal{A} 00'18			6332 Nov 13 05:49	0° \mathcal{A}	
evening rise	6331 Dec 05 17:43	23° \mathcal{A} 43'11		evening rise	6332 Nov 16 06:25	5° \mathcal{A} 20'52	
	6331 Dec 09 14:36	0° \mathcal{Z}		desc. node	6332 Nov 19 23:35	11° \mathcal{A} 40'49	
	6331 Dec 30 02:58	0° \approx			6332 Dec 01 15:28	0° \mathcal{Z}	
evening max el	6332 Jan 09 05:10	11° \approx 55'33	23°30'39	evening max el	6332 Dec 21 18:22	25° \mathcal{Z} 39'46	24°48'53
retrograde	6332 Jan 19 20:27	18° \approx 12'27			6332 Dec 26 21:21	0° \approx	
evening set	6332 Jan 24 21:34	16° \approx 07'01		retrograde	6333 Jan 02 10:34	2° \approx 27'15	
asc. node	6332 Jan 25 09:05	15° \approx 41'34		evening set	6333 Jan 08 00:51	0° \approx 07'30	
inferior conj	6332 Jan 30 07:39	9° \approx 41'01	1°35'11		6333 Jan 08 04:20	30° \mathcal{R} \mathcal{Z}	
minimum elong	6332 Jan 30 05:42	9° \approx 47'42	1°34'31	asc. node	6333 Jan 11 06:08	26° \mathcal{Z} 42'07	
min. Earth dist.	6332 Jan 29 18:57	10° \approx 24'31	0.68149 AU	min. Earth dist.	6333 Jan 12 14:13	24° \mathcal{Z} 59'18	0.67711 AU
morning rise	6332 Feb 04 13:45	3° \approx 35'23		inferior conj	6333 Jan 13 14:04	23° \mathcal{Z} 40'33	0°46'31
direct	6332 Feb 08 18:28	1° \approx 56'49		minimum elong	6333 Jan 13 12:58	23° \mathcal{Z} 44'11	0°46'06
morning max el	6332 Feb 17 02:03	6° \approx 43'53	20°56'41	morning rise	6333 Jan 19 01:15	17° \mathcal{Z} 41'44	
desc. node	6332 Mar 01 01:49	23° \approx 14'00		direct	6333 Jan 22 17:04	16° \mathcal{Z} 24'50	
	6332 Mar 05 17:44	0° \mathcal{H}		morning max el	6333 Jan 30 02:43	20° \mathcal{Z} 34'12	19°47'03
morning set	6332 Mar 18 06:36	19° \mathcal{H} 03'11			6333 Feb 06 19:45	0° \approx	
	6332 Mar 25 03:48	0° \mathcal{Y}		greatest brilliancy	6333 Feb 12 02:12	7° \approx 32'27	-0.6m
max. Earth dist.	6332 Mar 26 05:16	1° \mathcal{Y} 43'20	1.42812 AU	desc. node	6333 Feb 15 22:51	13° \approx 17'10	
				morning set	6333 Feb 25 03:11	27° \approx 16'47	
superior conj	6332 Apr 02 05:49	13° \mathcal{Y} 23'12	-2°08'15		6333 Feb 26 21:27	0° \mathcal{H}	
minimum elong	6332 Apr 02 08:21	13° \mathcal{Y} 33'54	2°08'11	max. Earth dist.	6333 Mar 08 16:44	15° \mathcal{H} 21'34	1.44339 AU
	6332 Apr 11 18:52	0° \mathcal{B}					
evening rise	6332 Apr 13 23:42	3° \mathcal{B} 55'38		superior conj	6333 Mar 13 13:38	23° \mathcal{H} 10'13	-2°07'36
asc. node	6332 Apr 22 08:19	18° \mathcal{B} 34'33		minimum elong	6333 Mar 13 10:09	22° \mathcal{H} 56'07	2°07'30
	6332 Apr 30 12:38	0° \mathbb{I}			6333 Mar 17 18:04	0° \mathcal{Y}	
evening max el	6332 Apr 30 18:04	0° \mathbb{I} 13'34	18°06'18	evening rise	6333 Mar 27 01:10	15° \mathcal{Y} 34'29	
retrograde	6332 May 07 08:20	3° \mathbb{I} 36'17			6333 Apr 04 14:34	0° \mathcal{B}	
evening set	6332 May 09 23:44	3° \mathbb{I} 03'42		asc. node	6333 Apr 09 05:21	7° \mathcal{B} 11'12	
	6332 May 14 12:16	30° \mathcal{R} \mathcal{B}		evening max el	6333 Apr 14 07:07	13° \mathcal{B} 31'37	18°12'51
inferior conj	6332 May 16 13:24	28° \mathcal{B} 04'21	2°50'55	retrograde	6333 Apr 20 16:40	16° \mathcal{B} 55'09	
minimum elong	6332 May 16 16:19	27° \mathcal{B} 57'15	2°50'16	evening set	6333 Apr 23 14:39	16° \mathcal{B} 10'24	
min. Earth dist.	6332 May 19 17:23	25° \mathcal{B} 00'28	0.61153 AU	inferior conj	6333 Apr 29 15:57	10° \mathcal{B} 51'54	3°20'01
morning rise	6332 May 23 06:46	22° \mathcal{B} 07'24		minimum elong	6333 Apr 29 17:30	10° \mathcal{B} 47'39	3°19'49
desc. node	6332 May 28 01:07	20° \mathcal{B} 03'00		min. Earth dist.	6333 May 02 06:56	7° \mathcal{B} 59'15	0.63272 AU
direct	6332 May 29 23:27	19° \mathcal{B} 51'56		morning rise	6333 May 05 19:07	4° \mathcal{B} 42'46	
morning max el	6332 Jun 13 05:18	27° \mathcal{B} 50'05	27°51'38	direct	6333 May 12 14:42	2° \mathcal{B} 04'37	
	6332 Jun 15 07:13	0° \mathbb{I}		desc. node	6333 May 14 22:09	2° \mathcal{B} 21'02	
	6332 Jul 06 02:19	0° \mathcal{E}		morning max el	6333 May 26 13:07	10° \mathcal{B} 05'35	27°46'37
morning set	6332 Jul 16 03:50	19° \mathcal{E} 14'20			6333 Jun 11 02:26	0° \mathbb{I}	
asc. node	6332 Jul 19 07:36	25° \mathcal{E} 52'02			6333 Jun 28 10:08	0° \mathcal{E}	
	6332 Jul 21 05:37	0° Ω		morning set	6333 Jun 30 01:24	3° \mathcal{E} 14'30	
max. Earth dist.	6332 Jul 22 01:46	1° Ω 49'41	1.32018 AU	max. Earth dist.	6333 Jul 05 06:10	13° \mathcal{E} 58'53	1.32665 AU
				asc. node	6333 Jul 06 04:37	15° \mathcal{E} 58'27	
superior conj	6332 Jul 23 12:01	4° Ω 57'24	0°42'10	superior conj	6333 Jul 07 19:43	19° \mathcal{E} 28'36	0°16'46
minimum elong	6332 Jul 23 10:16	4° Ω 47'44	0°41'47	minimum elong	6333 Jul 07 18:55	19° \mathcal{E} 24'17	0°16'34
evening rise	6332 Jul 30 07:18	19° Ω 49'17			6333 Jul 12 16:06	0° Ω	
	6332 Aug 04 05:43	0° \mathbb{N}		evening rise	6333 Jul 14 19:04	4° Ω 33'36	
	6332 Aug 23 18:33	0° Ω			6333 Jul 28 09:38	0° \mathbb{N}	
desc. node	6332 Aug 24 00:22	0° Ω 15'15		evening max el	6333 Aug 07 00:44	12° \mathbb{N} 07'51	23°23'07
evening max el	6332 Aug 25 12:48	1° Ω 46'18	24°59'28	desc. node	6333 Aug 10 21:25	15° \mathbb{N} 23'28	
retrograde	6332 Sep 08 10:11	8° Ω 46'59		retrograde	6333 Aug 20 13:09	18° \mathbb{N} 54'17	
evening set	6332 Sep 13 23:17	7° Ω 37'20		evening set	6333 Aug 24 14:39	18° \mathbb{N} 18'07	
min. Earth dist.	6332 Sep 19 00:10	4° Ω 53'58	0.57236 AU	min. Earth dist.	6333 Aug 31 10:09	15° \mathbb{N} 08'27	0.55667 AU
inferior conj	6332 Sep 21 21:28	2° Ω 59'26	-5°22'00	inferior conj	6333 Sep 02 07:54	14° \mathbb{N} 01'06	-5°13'40
minimum elong	6332 Sep 21 23:37	2° Ω 55'53	5°21'54	minimum elong	6333 Sep 02 03:14	14° \mathbb{N} 07'59	5°13'11
	6332 Sep 26 21:46	30° \mathcal{R} \mathbb{N}		morning rise	6333 Sep 10 18:10	10° \mathbb{N} 08'47	
morning rise	6332 Sep 30 02:11	28° \mathbb{N} 49'53					
direct	6332 Oct 02 15:18	28° \mathbb{N} 31'14					

direct	6333 Sep 13 15:58	9°♎48'15		inferior conj	6334 Aug 13 03:46	24°♎25'19	-4°12'35
morning max el	6333 Sep 24 06:32	14°♎44'40	20°22'23	minimum elong	6334 Aug 12 18:42	24°♎38'01	4°10'18
asc. node	6333 Oct 02 03:57	24°♎40'03		min. Earth dist.	6334 Aug 12 19:43	24°♎36'36	0.54825 AU
	6333 Oct 05 08:39	0°♏		morning rise	6334 Aug 21 17:26	20°♎34'45	
morning set	6333 Oct 12 21:39	14°♏35'42		direct	6334 Aug 25 02:41	20°♎09'39	
				morning max el	6334 Sep 06 07:15	25°♎53'26	21°52'59
superior conj	6333 Oct 20 11:31	0°♎09'56	1°39'59		6334 Sep 10 03:47	0°♎	
minimum elong	6333 Oct 20 12:48	0°♎16'23	1°39'57	asc. node	6334 Sep 19 00:58	13°♎14'38	
	6333 Oct 20 09:33	0°♎		morning set	6334 Sep 27 07:17	29°♎22'54	
max. Earth dist.	6333 Oct 25 18:40	10°♎37'46	1.36421 AU		6334 Sep 27 14:23	0°♏	
evening rise	6333 Oct 29 15:32	17°♎53'28					
	6333 Nov 05 13:02	0°♏		superior conj	6334 Oct 04 11:47	14°♏35'01	1°42'40
desc. node	6333 Nov 06 20:38	2°♏11'41		minimum elong	6334 Oct 04 11:38	14°♏34'17	1°42'40
	6333 Nov 25 22:12	0°♐		max. Earth dist.	6334 Oct 08 07:38	22°♏29'41	1.34666 AU
evening max el	6333 Dec 04 07:04	9°♐24'20	25°58'41		6334 Oct 12 02:23	0°♎	
retrograde	6333 Dec 16 20:00	16°♐32'36		evening rise	6334 Oct 12 17:12	1°♎11'31	
evening set	6333 Dec 22 23:25	14°♐01'16		desc. node	6334 Oct 24 17:39	22°♎27'39	
min. Earth dist.	6333 Dec 27 05:46	9°♐27'51	0.66901 AU		6334 Oct 29 13:24	0°♏	
inferior conj	6333 Dec 28 16:52	7°♐38'09	-0°08'43	evening max el	6334 Nov 16 19:56	23°♏03'12	26°52'35
minimum elong	6333 Dec 28 17:06	7°♐37'27	0°08'36		6334 Nov 27 09:49	0°♐	
transit middle	6333 Dec 28 17:06	7°♐37'27	0°08'36	retrograde	6334 Nov 30 00:00	0°♐21'10	
transit begin	6333 Dec 28 14:42	7°♐44'58			6334 Dec 02 11:27	30°♏♏	
transit end	6333 Dec 28 19:30	7°♐29'55		evening set	6334 Dec 06 15:16	27°♏43'16	
asc. node	6333 Dec 29 03:11	7°♐06'01		min. Earth dist.	6334 Dec 10 15:18	23°♏44'42	0.65737 AU
morning rise	6334 Jan 03 11:20	1°♐48'14		inferior conj	6334 Dec 12 14:00	21°♏29'23	-1°09'35
direct	6334 Jan 06 15:49	0°♐50'14		minimum elong	6334 Dec 12 15:59	21°♏23'36	1°08'42
morning max el	6334 Jan 13 11:00	4°♐34'06	18°52'32	asc. node	6334 Dec 16 00:13	17°♏49'23	
	6334 Jan 31 12:00	0°♑		morning rise	6334 Dec 18 17:43	15°♏50'48	
desc. node	6334 Feb 02 19:53	3°♑38'04		direct	6334 Dec 21 12:50	15°♏07'52	
morning set	6334 Feb 04 11:44	6°♑13'50		morning max el	6334 Dec 28 00:51	18°♏37'19	18°14'19
max. Earth dist.	6334 Feb 19 09:23	29°♑32'37	1.45218 AU		6335 Jan 05 15:03	0°♐	
	6334 Feb 19 16:21	0°♑		morning set	6335 Jan 16 00:10	16°♐36'02	
				desc. node	6335 Jan 20 16:54	24°♐11'01	
superior conj	6334 Feb 21 00:04	2°♑04'36	-1°47'13		6335 Jan 24 08:07	0°♑	
minimum elong	6334 Feb 20 15:04	1°♑29'14	1°46'28				
evening rise	6334 Mar 08 03:56	26°♑16'06		superior conj	6335 Jan 31 04:05	10°♑48'42	-1°09'16
	6334 Mar 10 11:11	0°♒		minimum elong	6335 Jan 30 19:55	10°♑16'38	1°08'14
asc. node	6334 Mar 27 02:23	25°♒08'51		max. Earth dist.	6335 Feb 02 04:25	13°♑58'25	1.45369 AU
evening max el	6334 Mar 28 18:56	26°♒59'55	18°37'41		6335 Feb 12 10:38	0°♑	
	6334 Apr 01 18:14	0°♒		evening rise	6335 Feb 16 08:03	6°♑04'21	
retrograde	6334 Apr 04 08:52	0°♒37'11		greatest brilliancy	6335 Feb 28 00:12	24°♑10'23	-0.7m
	6334 Apr 06 22:14	30°♏♒			6335 Mar 03 21:58	0°♒	
evening set	6334 Apr 07 13:31	29°♒39'22		evening max el	6335 Mar 12 03:17	10°♒33'05	19°19'46
inferior conj	6334 Apr 13 06:16	24°♒03'30	3°29'12	asc. node	6335 Mar 13 23:26	12°♒15'13	
minimum elong	6334 Apr 13 06:18	24°♒03'22	3°29'11	retrograde	6335 Mar 19 05:22	14°♒35'06	
min. Earth dist.	6334 Apr 15 05:57	21°♒39'17	0.65095 AU	evening set	6335 Mar 22 17:27	13°♒23'23	
morning rise	6334 Apr 18 22:27	17°♒48'51		inferior conj	6335 Mar 28 04:49	7°♒31'57	3°23'06
direct	6334 Apr 25 13:48	15°♒00'23		minimum elong	6335 Mar 28 03:38	7°♒35'48	3°23'00
desc. node	6334 May 01 19:10	16°♒59'53		min. Earth dist.	6335 Mar 29 13:17	5°♒46'33	0.66524 AU
morning max el	6334 May 08 23:17	22°♒53'22	27°07'19	morning rise	6335 Apr 02 13:28	1°♒15'57	
	6334 May 15 06:07	0°♒			6335 Apr 04 04:14	30°♏♒	
	6334 Jun 04 09:18	0°♓		direct	6335 Apr 08 19:25	28°♑29'53	
morning set	6334 Jun 13 13:32	16°♓44'15			6335 Apr 13 22:27	0°♒	
max. Earth dist.	6334 Jun 18 01:28	25°♓39'39	1.33779 AU	desc. node	6335 Apr 18 16:11	3°♒26'05	
	6334 Jun 20 04:09	0°♓		morning max el	6335 Apr 21 09:09	6°♒00'06	26°01'25
					6335 May 09 21:15	0°♒	
superior conj	6334 Jun 21 22:22	3°♓40'37	-0°11'39	morning set	6335 May 27 12:26	29°♒32'15	
minimum elong	6334 Jun 21 23:00	3°♓43'53	0°11'34		6335 May 27 18:25	0°♓	
behind sun begin	6334 Jun 21 19:05	3°♓23'19		max. Earth dist.	6335 May 31 09:20	6°♓51'14	1.35362 AU
behind sun end	6334 Jun 22 02:54	4°♓04'27					
asc. node	6334 Jun 23 01:39	6°♓04'28		superior conj	6335 Jun 05 17:30	17°♓26'16	-0°41'56
evening rise	6334 Jun 29 05:47	19°♓10'43		minimum elong	6335 Jun 05 19:52	17°♓38'19	0°41'31
	6334 Jul 04 13:51	0°♑		asc. node	6335 Jun 09 22:40	26°♓05'47	
evening max el	6334 Jul 19 16:28	22°♑29'46	21°46'48		6335 Jun 11 19:53	0°♓	
desc. node	6334 Jul 28 18:25	28°♑14'27		evening rise	6335 Jun 13 13:23	3°♓34'05	
retrograde	6334 Aug 01 05:16	28°♑42'39			6335 Jun 28 18:25	0°♑	
evening set	6334 Aug 03 21:19	28°♑26'36		evening max el	6335 Jul 01 19:17	3°♑22'45	20°23'21

retrograde	6335 Jul 12 17:53	8°♌45'13		evening max el	6336 Jun 13 10:51	14°♏58'30	19°18'49
evening set	6335 Jul 14 17:10	8°♌35'31		retrograde	6336 Jun 22 16:12	19°♏30'03	
desc. node	6335 Jul 15 15:24	8°♌24'33		evening set	6336 Jun 24 14:29	19°♏19'01	
inferior conj	6335 Jul 23 21:36	4°♌38'09	-2°27'25	desc. node	6336 Jul 01 12:26	16°♏13'49	
minimum elong	6335 Jul 23 14:49	4°♌48'02	2°25'02	inferior conj	6336 Jul 03 03:33	15°♏10'32	-0°29'25
min. Earth dist.	6335 Jul 25 06:50	3°♌49'44	0.54921 AU	minimum elong	6336 Jul 03 02:16	15°♏12'39	0°28'58
morning rise	6335 Aug 01 11:28	0°♌29'13		min. Earth dist.	6336 Jul 05 20:26	13°♏24'14	0.55957 AU
	6335 Aug 03 20:16	30°♋♏		morning rise	6336 Jul 11 11:12	10°♏28'20	
direct	6335 Aug 05 12:48	29°♏53'42		direct	6336 Jul 16 09:08	9°♏33'13	
	6335 Aug 07 05:02	0°♌		morning max el	6336 Jul 30 12:02	16°♏42'43	25°18'31
morning max el	6335 Aug 18 22:57	6°♌25'03	23°36'12		6336 Aug 10 08:00	0°♌	
	6335 Sep 04 15:49	0°♍		asc. node	6336 Aug 22 19:00	21°♌52'54	
asc. node	6335 Sep 05 21:59	2°♍21'57		morning set	6336 Aug 26 06:21	29°♌04'46	
morning set	6335 Sep 11 18:45	14°♍14'30			6336 Aug 26 16:43	0°♍	
superior conj	6335 Sep 18 18:06	29°♍17'01	1°38'45	superior conj	6336 Sep 02 04:05	14°♍07'41	1°29'07
minimum elong	6335 Sep 18 16:50	29°♍10'11	1°38'41	minimum elong	6336 Sep 02 02:05	13°♍56'43	1°28'54
	6335 Sep 19 02:05	0°♎		max. Earth dist.	6336 Sep 03 10:58	16°♍56'56	1.32392 AU
max. Earth dist.	6335 Sep 21 05:29	4°♎35'00	1.33312 AU	evening rise	6336 Sep 09 06:46	29°♍22'32	
evening rise	6335 Sep 26 07:27	15°♎04'46			6336 Sep 09 14:03	0°♎	
	6335 Oct 04 04:59	0°♎			6336 Sep 26 07:36	0°♎	
desc. node	6335 Oct 11 14:39	12°♎22'11		desc. node	6336 Sep 27 11:39	1°♎45'35	
	6335 Oct 24 08:15	0°♏		evening max el	6336 Oct 11 17:57	19°♎21'00	27°24'38
evening max el	6335 Oct 30 08:18	6°♏26'52	27°23'20	retrograde	6336 Oct 25 12:35	26°♎35'10	
retrograde	6335 Nov 12 21:49	13°♏45'18		evening set	6336 Nov 01 16:18	24°♎08'48	
evening set	6335 Nov 19 21:58	11°♏08'19		min. Earth dist.	6336 Nov 05 07:54	21°♎12'33	0.62436 AU
min. Earth dist.	6335 Nov 23 16:41	7°♏43'11	0.64237 AU	inferior conj	6336 Nov 08 05:09	18°♎29'48	-3°19'58
inferior conj	6335 Nov 26 03:04	5°♏09'18	-2°14'20	minimum elong	6336 Nov 08 11:03	18°♎15'55	3°17'57
minimum elong	6335 Nov 26 07:05	4°♏58'40	2°12'42	morning rise	6336 Nov 15 07:38	13°♎23'23	
	6335 Dec 02 04:39	30°♋♎		direct	6336 Nov 17 15:28	12°♎59'03	
morning rise	6335 Dec 02 17:40	29°♎45'02		asc. node	6336 Nov 18 18:18	13°♎04'50	
asc. node	6335 Dec 02 21:15	29°♎41'24		morning max el	6336 Nov 24 10:09	16°♎26'42	17°49'41
direct	6335 Dec 05 05:47	29°♎13'13			6336 Dec 03 23:22	0°♏	
	6335 Dec 08 06:40	0°♏		morning set	6336 Dec 10 08:50	11°♏14'05	
morning max el	6335 Dec 11 17:35	2°♏37'35	17°53'07		6336 Dec 21 02:30	0°♏	
morning set	6335 Dec 28 17:14	28°♏22'54					
	6335 Dec 29 16:09	0°♏		superior conj	6336 Dec 21 15:40	0°♏55'48	0°20'02
desc. node	6336 Jan 07 13:55	14°♏52'15		minimum elong	6336 Dec 21 17:33	1°♏03'44	0°19'47
superior conj	6336 Jan 10 21:28	20°♏15'55	-0°23'20	desc. node	6336 Dec 24 10:55	5°♏37'35	
minimum elong	6336 Jan 10 18:45	20°♏04'59	0°22'55	max. Earth dist.	6336 Dec 28 15:46	12°♏30'59	1.43538 AU
max. Earth dist.	6336 Jan 15 23:27	28°♏23'44	1.44789 AU	evening rise	6337 Jan 05 09:13	24°♏45'39	
	6336 Jan 16 23:49	0°♏			6337 Jan 08 18:50	0°♏	
evening rise	6336 Jan 26 21:01	15°♏22'21			6337 Jan 29 14:36	0°♏	
	6336 Feb 05 12:06	0°♏		evening max el	6337 Feb 05 04:37	7°♏45'03	21°26'53
evening max el	6336 Feb 23 06:43	24°♏08'36	20°17'10	retrograde	6337 Feb 14 01:29	13°♏00'24	
asc. node	6336 Feb 28 20:27	28°♏16'35		asc. node	6337 Feb 14 17:30	12°♏58'03	
retrograde	6336 Mar 02 03:35	28°♏44'18		evening set	6337 Feb 18 08:10	11°♏18'46	
evening set	6336 Mar 06 00:17	27°♏17'56		inferior conj	6337 Feb 23 15:59	5°♏02'47	2°36'47
inferior conj	6336 Mar 11 08:49	21°♏12'56	3°04'56	minimum elong	6337 Feb 23 13:39	5°♏10'53	2°36'10
minimum elong	6336 Mar 11 06:50	21°♏19'40	3°04'34	min. Earth dist.	6337 Feb 23 21:26	4°♏43'52	0.68075 AU
min. Earth dist.	6336 Mar 12 03:08	20°♏10'44	0.67518 AU		6337 Feb 27 14:34	30°♋♏	
morning rise	6336 Mar 16 13:11	14°♏57'59		morning rise	6337 Feb 28 18:58	28°♏50'24	
direct	6336 Mar 22 06:27	12°♏24'41		direct	6337 Mar 05 21:57	26°♏36'34	
morning max el	6336 Apr 02 17:56	19°♏16'46	24°38'43		6337 Mar 13 05:38	0°♏	
desc. node	6336 Apr 04 13:13	21°♏10'40		morning max el	6337 Mar 16 03:16	2°♏40'22	23°09'26
	6336 Apr 11 20:13	0°♏		desc. node	6337 Mar 22 10:15	9°♏51'24	
	6336 May 02 00:16	0°♏			6337 Apr 05 22:02	0°♏	
morning set	6336 May 08 17:07	11°♏25'01		morning set	6337 Apr 19 21:49	22°♏07'48	
max. Earth dist.	6336 May 12 07:52	17°♏53'48	1.37350 AU	max. Earth dist.	6337 Apr 24 03:50	29°♏21'41	1.39551 AU
	6336 May 18 18:13	0°♏			6337 Apr 24 12:40	0°♏	
superior conj	6336 May 19 01:58	0°♏37'32	-1°12'19	superior conj	6337 May 01 19:49	13°♏04'39	-1°40'05
minimum elong	6336 May 19 06:07	0°♏57'44	1°11'41	minimum elong	6337 May 02 01:06	13°♏29'02	1°39'30
asc. node	6336 May 26 19:41	15°♏58'23			6337 May 10 18:04	0°♏	
evening rise	6336 May 27 15:30	17°♏37'21		evening rise	6337 May 11 09:15	1°♏12'52	
	6336 Jun 03 01:48	0°♏		asc. node	6337 May 13 16:43	5°♏37'57	
				evening max el	6337 May 27 12:58	27°♏14'41	18°34'51

	6337 May 31 03:50	0°☿			6338 May 03 12:27	0°♊	
retrograde	6337 Jun 04 08:54	1°☿07'18		evening max el	6338 May 10 22:04	10°♊01'57	18°11'06
evening set	6337 Jun 06 12:59	0°☿50'24		retrograde	6338 May 17 20:01	13°♊31'14	
	6337 Jun 08 19:06	30°♊♊		evening set	6338 May 20 07:16	13°♊05'11	
inferior conj	6337 Jun 14 06:05	26°♊23'03	1°11'25	inferior conj	6338 May 27 05:55	8°♊17'32	2°22'55
minimum elong	6337 Jun 14 08:32	26°♊18'19	1°10'32	minimum elong	6338 May 27 09:13	8°♊10'05	2°22'00
min. Earth dist.	6337 Jun 17 14:20	23°♊49'30	0.57714 AU	min. Earth dist.	6338 May 30 14:36	5°♊17'20	0.59865 AU
desc. node	6337 Jun 18 09:29	23°♊15'11		morning rise	6338 Jun 03 08:25	2°♊31'15	
morning rise	6337 Jun 22 00:44	21°♊04'43		desc. node	6338 Jun 05 06:32	1°♊31'35	
direct	6337 Jun 27 19:35	19°♊40'21		direct	6338 Jun 09 19:21	0°♊33'14	
morning max el	6337 Jul 12 04:50	27°♊16'52	26°43'24	morning max el	6338 Jun 24 04:03	8°♊26'54	27°37'22
	6337 Jul 14 19:50	0°☿			6338 Jul 10 14:17	0°☿	
	6337 Aug 03 18:56	0°♊		morning set	6338 Jul 25 23:21	28°☿21'08	
asc. node	6337 Aug 09 16:02	11°♊40'47			6338 Jul 26 18:14	0°♊	
morning set	6337 Aug 10 16:28	13°♊49'02		asc. node	6338 Jul 27 13:03	1°♊39'29	
				max. Earth dist.	6338 Aug 01 07:47	12°♊02'08	1.31850 AU
superior conj	6337 Aug 17 15:47	29°♊00'51	1°14'24				
minimum elong	6337 Aug 17 13:30	28°♊48'15	1°14'03	superior conj	6338 Aug 02 03:21	13°♊50'08	0°55'09
max. Earth dist.	6337 Aug 17 21:01	29°♊29'49	1.31906 AU	minimum elong	6338 Aug 02 01:16	13°♊38'36	0°54'44
	6337 Aug 18 02:28	0°♊		evening rise	6338 Aug 08 22:01	28°♊39'54	
evening rise	6337 Aug 24 12:25	13°♊56'50			6338 Aug 09 13:06	0°♊	
	6337 Sep 01 15:00	0°♊			6338 Aug 26 03:37	0°♊	
desc. node	6337 Sep 14 08:41	20°♊25'15		desc. node	6338 Sep 01 05:43	8°♊03'20	
	6337 Sep 22 08:27	0°♊		evening max el	6338 Sep 05 18:39	12°♊54'21	25°48'12
evening max el	6337 Sep 23 22:07	1°♊32'39	26°52'35	retrograde	6338 Sep 19 17:28	19°♊59'49	
retrograde	6337 Oct 07 19:34	8°♊42'13		evening set	6338 Sep 25 22:32	18°♊28'34	
evening set	6337 Oct 14 18:07	6°♊37'54		min. Earth dist.	6338 Sep 30 07:03	15°♊52'34	0.58340 AU
min. Earth dist.	6337 Oct 18 12:13	4°♊00'12	0.60415 AU	inferior conj	6338 Oct 03 10:47	13°♊36'51	-5°07'34
inferior conj	6337 Oct 21 16:53	1°♊22'11	-4°20'58	minimum elong	6338 Oct 03 15:39	13°♊28'05	5°06'55
minimum elong	6337 Oct 21 23:34	1°♊08'22	4°19'17	morning rise	6338 Oct 11 11:06	9°♊14'48	
	6337 Oct 23 09:27	30°♊♊		direct	6338 Oct 13 20:29	8°♊56'31	
morning rise	6337 Oct 29 07:09	26°♊37'04		morning max el	6338 Oct 22 05:35	12°♊57'47	18°41'15
direct	6337 Oct 31 13:53	26°♊17'07		asc. node	6338 Oct 23 12:23	14°♊16'47	
asc. node	6337 Nov 05 15:21	28°♊00'35			6338 Nov 02 18:51	0°♊	
morning max el	6337 Nov 07 23:19	29°♊56'39	18°05'13	morning set	6338 Nov 07 11:55	8°♊59'37	
	6337 Nov 08 00:42	0°♊					
morning set	6337 Nov 23 16:41	24°♊50'58		superior conj	6338 Nov 16 04:08	25°♊44'14	1°19'43
	6337 Nov 26 10:56	0°♊		minimum elong	6338 Nov 16 07:30	26°♊00'06	1°19'24
					6338 Nov 18 11:04	0°♊	
superior conj	6337 Dec 03 11:25	12°♊49'37	0°54'54	max. Earth dist.	6338 Nov 23 09:38	8°♊53'26	1.39690 AU
minimum elong	6337 Dec 03 15:04	13°♊05'56	0°54'27	evening rise	6338 Nov 27 10:56	15°♊52'02	
max. Earth dist.	6337 Dec 11 03:11	26°♊03'58	1.41765 AU	desc. node	6338 Nov 28 04:57	17°♊07'43	
desc. node	6337 Dec 11 07:55	26°♊23'49			6338 Dec 06 04:35	0°♊	
	6337 Dec 13 12:04	0°♊			6338 Dec 27 19:33	0°♊	
evening rise	6337 Dec 16 11:13	4°♊49'04		evening max el	6339 Jan 01 11:33	5°♊04'59	24°04'33
	6338 Jan 02 01:55	0°♊		retrograde	6339 Jan 12 14:07	11°♊36'53	
evening max el	6338 Jan 18 21:37	21°♊23'04	22°44'35	evening set	6339 Jan 17 20:41	9°♊25'07	
retrograde	6338 Jan 28 21:27	27°♊19'08		asc. node	6339 Jan 19 11:37	7°♊50'25	
asc. node	6338 Feb 01 14:34	26°♊08'24		min. Earth dist.	6339 Jan 22 14:27	3°♊57'00	0.67999 AU
evening set	6338 Feb 02 15:29	25°♊22'08		inferior conj	6339 Jan 23 07:55	2°♊57'53	1°15'25
min. Earth dist.	6338 Feb 07 17:58	19°♊20'23	0.68227 AU	minimum elong	6339 Jan 23 06:16	3°♊03'28	1°14'49
inferior conj	6338 Feb 08 00:17	18°♊58'27	1°59'58		6339 Jan 25 14:23	30°♊♊	
minimum elong	6338 Feb 07 22:04	19°♊06'10	1°59'14	morning rise	6339 Jan 28 15:54	26°♊54'47	
morning rise	6338 Feb 13 04:33	12°♊49'56		direct	6339 Feb 01 14:51	25°♊25'49	
direct	6338 Feb 17 17:06	10°♊58'33		morning max el	6339 Feb 09 12:28	29°♊55'59	20°25'21
morning max el	6338 Feb 26 16:27	16°♊12'24	21°42'37		6339 Feb 09 14:04	0°♊	
desc. node	6338 Mar 09 07:15	29°♊12'14		desc. node	6339 Feb 24 04:16	19°♊02'33	
	6338 Mar 09 21:09	0°♊			6339 Mar 03 12:46	0°♊	
	6338 Mar 29 23:28	0°♊		morning set	6339 Mar 09 23:34	9°♊52'47	
morning set	6338 Mar 30 22:17	1°♊30'44		max. Earth dist.	6339 Mar 19 09:59	24°♊45'40	1.43523 AU
max. Earth dist.	6338 Apr 06 03:27	11°♊37'13	1.41699 AU		6339 Mar 22 15:33	0°♊	
superior conj	6338 Apr 13 18:11	24°♊35'15	-2°01'12	superior conj	6339 Mar 25 16:39	5°♊00'52	-2°10'12
minimum elong	6338 Apr 13 22:40	24°♊54'50	2°00'57	minimum elong	6339 Mar 25 16:57	5°♊02'07	2°10'13
	6338 Apr 16 19:44	0°♊		evening rise	6339 Apr 07 03:48	26°♊20'09	
evening rise	6338 Apr 24 14:48	14°♊10'17			6339 Apr 09 06:03	0°♊	
asc. node	6338 Apr 30 13:46	24°♊58'27		asc. node	6339 Apr 17 10:49	13°♊53'35	

evening max el	6339 Apr 24 10:37	23°♄11'26	18°06'50	asc. node	6340 Apr 03 07:51	2°♄14'51	
retrograde	6339 Apr 30 21:46	26°♄32'49		evening max el	6340 Apr 06 23:29	6°♄34'40	18°21'19
evening set	6339 May 03 15:56	25°♄55'19		retrograde	6340 Apr 13 09:44	10°♄02'11	
inferior conj	6339 May 09 23:53	20°♄47'58	3°05'58	evening set	6340 Apr 16 10:35	9°♄11'54	
minimum elong	6339 May 10 02:16	20°♄41'48	3°05'32	inferior conj	6340 Apr 22 07:50	3°♄46'01	3°25'59
min. Earth dist.	6339 May 12 23:00	17°♄45'58	0.62080 AU	minimum elong	6340 Apr 22 08:43	3°♄43'28	3°25'55
morning rise	6339 May 16 10:51	14°♄44'44		min. Earth dist.	6340 Apr 24 16:29	1°♄03'44	0.64095 AU
direct	6339 May 23 05:50	12°♄17'51			6340 Apr 25 15:58	30°♄	
desc. node	6339 May 23 03:34	12°♄17'52		morning rise	6340 Apr 28 05:56	27°♄34'11	
morning max el	6339 Jun 06 09:07	20°♄19'02	27°53'55	direct	6340 May 05 00:41	24°♄49'53	
	6339 Jun 14 16:31	0°♄		desc. node	6340 May 09 00:35	25°♄39'14	
	6339 Jul 03 13:53	0°♄			6340 May 15 17:58	0°♄	
morning set	6339 Jul 10 01:00	12°♄35'08		morning max el	6340 May 18 18:00	2°♄48'36	27°33'41
asc. node	6339 Jul 14 10:05	21°♄44'29			6340 Jun 08 01:00	0°♄	
max. Earth dist.	6339 Jul 15 15:27	24°♄22'24	1.32236 AU	morning set	6340 Jun 22 18:57	26°♄23'37	
					6340 Jun 24 14:17	0°♄	
superior conj	6339 Jul 17 13:01	28°♄29'58	0°31'50	max. Earth dist.	6340 Jun 27 16:17	6°♄20'03	1.33078 AU
minimum elong	6339 Jul 17 11:36	28°♄22'16	0°31'30	asc. node	6340 Jun 30 07:06	11°♄51'33	
	6339 Jul 18 05:29	0°♄					
evening rise	6339 Jul 24 09:32	13°♄25'41		superior conj	6340 Jun 30 18:52	12°♄54'20	0°05'04
	6339 Aug 01 16:31	0°♄		minimum elong	6340 Jun 30 18:37	12°♄53'00	0°04'58
evening max el	6339 Aug 18 08:28	23°♄32'29	24°19'31	behind sun begin	6340 Jun 30 13:27	12°♄25'23	
desc. node	6339 Aug 19 02:46	24°♄15'25		behind sun end	6340 Jun 30 23:47	13°♄20'38	
	6339 Aug 28 14:28	0°♄		evening rise	6340 Jul 07 21:06	28°♄08'11	
retrograde	6339 Sep 01 03:51	0°♄29'00			6340 Jul 08 18:18	0°♄	
	6339 Sep 04 18:04	30°♄			6340 Jul 26 08:25	0°♄	
evening set	6339 Sep 06 02:18	29°♄34'58		evening max el	6340 Jul 29 21:13	3°♄51'22	22°41'21
min. Earth dist.	6339 Sep 11 19:27	26°♄41'58	0.56496 AU	desc. node	6340 Aug 04 23:47	8°♄30'25	
inferior conj	6339 Sep 14 08:32	25°♄06'09	-5°24'27	retrograde	6340 Aug 12 01:25	10°♄25'20	
minimum elong	6339 Sep 14 07:56	25°♄07'06	5°24'26	evening set	6340 Aug 15 11:27	9°♄59'45	
morning rise	6339 Sep 22 15:54	21°♄04'52		min. Earth dist.	6340 Aug 23 04:56	6°♄34'50	0.55207 AU
direct	6339 Sep 25 08:10	20°♄45'45		inferior conj	6340 Aug 24 11:48	5°♄50'51	-4°54'22
morning max el	6339 Oct 05 01:31	25°♄19'30	19°39'06	minimum elong	6340 Aug 24 04:35	6°♄01'10	4°53'09
	6339 Oct 09 04:43	0°♄		morning rise	6340 Sep 01 23:42	2°♄01'26	
asc. node	6339 Oct 10 09:25	1°♄37'53		direct	6340 Sep 05 02:16	1°♄39'12	
morning set	6339 Oct 22 14:48	23°♄29'14		morning max el	6340 Sep 16 09:01	6°♄55'06	20°58'39
	6339 Oct 25 20:01	0°♄		asc. node	6340 Sep 26 06:26	19°♄49'45	
					6340 Oct 01 20:58	0°♄	
superior conj	6339 Oct 30 12:26	9°♄23'38	1°35'02	morning set	6340 Oct 05 22:38	8°♄12'34	
minimum elong	6339 Oct 30 14:34	9°♄34'08	1°34'54				
max. Earth dist.	6339 Nov 05 14:44	21°♄05'23	1.37570 AU	superior conj	6340 Oct 13 07:56	23°♄35'35	1°41'59
evening rise	6339 Nov 09 08:46	27°♄54'36		minimum elong	6340 Oct 13 08:35	23°♄38'56	1°41'58
	6339 Nov 10 13:10	0°♄			6340 Oct 16 11:38	0°♄	
desc. node	6339 Nov 15 01:58	7°♄44'48		max. Earth dist.	6340 Oct 17 24:00	3°♄00'24	1.35639 AU
	6339 Nov 29 14:31	0°♄		evening rise	6340 Oct 22 01:31	10°♄48'40	
evening max el	6339 Dec 15 00:28	18°♄50'21	25°20'09	desc. node	6340 Oct 31 23:00	28°♄10'33	
retrograde	6339 Dec 27 02:22	25°♄48'09			6340 Nov 02 01:53	0°♄	
evening set	6340 Jan 01 22:08	23°♄23'21			6340 Nov 24 00:46	0°♄	
asc. node	6340 Jan 06 08:40	18°♄29'07		evening max el	6340 Nov 26 13:29	2°♄34'34	26°23'58
min. Earth dist.	6340 Jan 06 08:31	18°♄29'35	0.67407 AU	retrograde	6340 Dec 09 09:20	9°♄47'18	
inferior conj	6340 Jan 07 13:02	16°♄57'18	0°23'50	evening set	6340 Dec 15 18:04	7°♄12'41	
minimum elong	6340 Jan 07 12:26	16°♄59'14	0°23'38	min. Earth dist.	6340 Dec 19 21:47	2°♄54'03	0.66456 AU
morning rise	6340 Jan 13 03:02	11°♄01'42		inferior conj	6340 Dec 21 13:41	0°♄53'04	-0°33'56
direct	6340 Jan 16 13:49	9°♄53'10		minimum elong	6340 Dec 21 14:37	0°♄50'14	0°33'29
morning max el	6340 Jan 23 16:23	13°♄50'26	19°21'51		6340 Dec 22 07:17	30°♄	
	6340 Feb 04 22:46	0°♄		asc. node	6340 Dec 23 05:41	28°♄54'29	
greatest brilliancy	6340 Feb 05 20:24	1°♄20'40	-0.7m	morning rise	6340 Dec 27 11:51	25°♄07'27	
desc. node	6340 Feb 11 01:17	9°♄13'57		direct	6340 Dec 30 12:11	24°♄16'10	
morning set	6340 Feb 16 22:08	18°♄15'48		morning max el	6341 Jan 06 03:16	27°♄52'20	18°34'10
	6340 Feb 24 11:28	0°♄			6341 Jan 08 02:16	0°♄	
max. Earth dist.	6340 Feb 29 23:38	8°♄38'41	1.44800 AU	morning set	6341 Jan 26 17:37	27°♄47'10	
				desc. node	6341 Jan 27 22:17	29°♄40'37	
superior conj	6340 Mar 04 14:14	14°♄22'09	-2°01'27		6341 Jan 28 03:11	0°♄	
minimum elong	6340 Mar 04 07:56	13°♄57'01	2°01'06				
	6340 Mar 14 06:01	0°♄		superior conj	6341 Feb 11 19:25	23°♄05'00	-1°32'48
evening rise	6340 Mar 18 19:46	7°♄34'01		minimum elong	6341 Feb 11 09:52	22°♄27'37	1°31'49
	6340 Apr 01 17:10	0°♄		max. Earth dist.	6341 Feb 11 18:07	22°♄59'55	1.45382 AU

	6341 Feb 16 05:15	0° H			6342 Feb 09 01:18	0° H	
evening rise	6341 Feb 27 12:28	17° H 51'21		greatest brilliancy	6342 Feb 20 20:40	18° H 00'00	-0.7m
	6341 Mar 07 03:46	0° Y			6342 Mar 01 11:18	0° Y	
greatest brilliancy	6341 Mar 08 05:27	1° Y 41'14	-0.8m	evening max el	6342 Mar 04 16:23	3° Y 39'54	19°42'26
asc. node	6341 Mar 21 04:53	19° Y 52'10		asc. node	6342 Mar 08 01:55	6° Y 33'09	
evening max el	6341 Mar 21 10:03	20° Y 05'26	18°53'36	retrograde	6342 Mar 12 01:44	7° Y 55'35	
retrograde	6341 Mar 28 04:05	23° Y 51'42		evening set	6342 Mar 15 17:20	6° Y 37'37	
evening set	6341 Mar 31 11:54	22° Y 47'51		inferior conj	6342 Mar 21 03:10	0° Y 39'51	3°16'45
inferior conj	6341 Apr 06 01:58	17° Y 05'00	3°28'15	minimum elong	6342 Mar 21 01:36	0° Y 45'05	3°16'32
minimum elong	6341 Apr 06 01:27	17° Y 06'37	3°28'14		6342 Mar 21 15:09	30° R H	
min. Earth dist.	6341 Apr 07 19:00	14° Y 56'45	0.65757 AU	min. Earth dist.	6342 Mar 22 05:22	29° H 12'48	0.66995 AU
morning rise	6341 Apr 11 14:33	10° Y 49'37		morning rise	6342 Mar 26 09:37	24° H 23'59	
direct	6341 Apr 18 02:26	8° Y 01'01		direct	6342 Apr 01 10:18	21° H 42'35	
desc. node	6341 Apr 25 21:37	11° Y 07'36		desc. node	6342 Apr 12 18:37	28° H 10'46	
morning max el	6341 May 01 04:11	15° Y 45'23	26°42'05	morning max el	6342 Apr 13 13:49	28° H 58'28	25°27'47
	6341 May 12 21:29	0° B			6342 Apr 14 13:36	0° Y	
	6341 May 31 20:34	0° II			6342 May 06 16:41	0° B	
morning set	6341 Jun 06 01:55	9° II 36'37		morning set	6342 May 19 17:46	22° B 03'15	
max. Earth dist.	6341 Jun 10 06:59	17° II 48'13	1.34397 AU	max. Earth dist.	6342 May 23 10:43	28° B 54'20	1.36166 AU
					6342 May 24 00:36	0° II	
superior conj	6341 Jun 14 18:37	26° II 55'51	-0°24'20				
minimum elong	6341 Jun 14 19:57	27° II 02'46	0°24'07	superior conj	6342 May 29 09:37	10° II 27'53	-0°54'57
	6341 Jun 16 05:58	0° B		minimum elong	6342 May 29 12:46	10° II 43'38	0°54'24
asc. node	6341 Jun 17 04:07	1° B 56'02		asc. node	6342 Jun 04 01:08	21° II 54'22	
evening rise	6341 Jun 22 06:44	12° B 40'20		evening rise	6342 Jun 06 12:21	26° II 56'21	
	6341 Jul 01 05:13	0° Q			6342 Jun 08 00:43	0° B	
evening max el	6341 Jul 11 16:58	14° Q 23'18	21°09'15	evening max el	6342 Jun 24 01:08	25° B 33'24	19°53'23
desc. node	6341 Jul 22 20:50	20° Q 14'47			6342 Jun 30 18:52	0° Q	
retrograde	6341 Jul 23 14:31	20° Q 16'06		retrograde	6342 Jul 04 06:06	0° Q 34'01	
evening set	6341 Jul 25 21:20	20° Q 03'54		evening set	6342 Jul 06 03:22	0° Q 24'30	
inferior conj	6341 Aug 04 04:55	16° Q 05'58	-3°31'52		6342 Jul 07 20:53	30° R B	
minimum elong	6341 Aug 03 20:03	16° Q 18'26	3°29'11	desc. node	6342 Jul 09 17:51	29° B 18'36	
min. Earth dist.	6341 Aug 04 14:36	15° Q 52'21	0.54747 AU	inferior conj	6342 Jul 15 02:21	26° B 23'35	-1°36'52
morning rise	6341 Aug 12 19:19	12° Q 10'32		minimum elong	6342 Jul 14 21:52	26° B 30'26	1°35'12
direct	6341 Aug 16 10:50	11° Q 41'58		min. Earth dist.	6342 Jul 17 02:39	25° B 10'00	0.55252 AU
morning max el	6341 Aug 29 05:11	17° Q 45'45	22°36'01	morning rise	6342 Jul 23 14:28	22° B 01'29	
	6341 Sep 08 00:47	0° M		direct	6342 Jul 27 23:48	21° B 19'12	
asc. node	6341 Sep 13 03:26	8° M 39'31		morning max el	6342 Aug 10 19:07	28° B 08'24	24°20'53
morning set	6341 Sep 20 09:18	23° M 02'43			6342 Aug 12 15:53	0° Q	
	6341 Sep 23 15:43	0° Q		asc. node	6342 Aug 31 00:28	27° Q 57'37	
					6342 Sep 01 01:11	0° M	
superior conj	6341 Sep 27 11:06	8° Q 09'01	1°41'45	morning set	6342 Sep 04 21:01	7° M 54'20	
minimum elong	6341 Sep 27 10:26	8° Q 05'31	1°41'44				
max. Earth dist.	6341 Sep 30 16:56	14° Q 57'56	1.34044 AU	superior conj	6342 Sep 11 19:16	22° M 55'39	1°35'19
evening rise	6341 Oct 05 08:59	24° Q 22'54		minimum elong	6342 Sep 11 17:38	22° M 46'47	1°35'12
	6341 Oct 08 07:15	0° M		max. Earth dist.	6342 Sep 13 18:10	27° M 09'39	1.32864 AU
desc. node	6341 Oct 18 20:01	18° M 18'38			6342 Sep 15 02:00	0° Q	
	6341 Oct 26 14:54	0° J		evening rise	6342 Sep 19 03:27	8° Q 27'21	
evening max el	6341 Nov 09 02:16	16° J 08'18	27°08'44		6342 Sep 30 17:32	0° M	
retrograde	6341 Nov 22 10:37	23° J 26'51		desc. node	6342 Oct 05 17:02	8° M 01'19	
evening set	6341 Nov 29 06:21	20° J 48'07		evening max el	6342 Oct 22 13:33	29° M 20'17	27°27'40
min. Earth dist.	6341 Dec 03 03:57	17° J 04'21	0.65148 AU		6342 Oct 23 06:36	0° J	
inferior conj	6341 Dec 05 07:42	14° J 40'08	-1°36'42	retrograde	6342 Nov 05 05:42	6° J 37'57	
minimum elong	6341 Dec 05 10:32	14° J 32'13	1°35'29	evening set	6342 Nov 12 08:16	4° J 03'46	
asc. node	6341 Dec 10 02:43	10° J 02'29		min. Earth dist.	6342 Nov 16 01:05	0° J 52'03	0.63505 AU
morning rise	6341 Dec 11 15:53	9° J 07'29			6342 Nov 16 22:04	30° R M	
direct	6341 Dec 14 07:49	8° J 29'41		inferior conj	6342 Nov 18 16:28	28° M 12'38	-2°42'20
morning max el	6341 Dec 20 18:44	11° J 55'29	18°03'11	minimum elong	6342 Nov 18 21:20	28° M 00'20	2°40'29
	6342 Jan 02 10:44	0° B		morning rise	6342 Nov 25 12:06	22° M 55'51	
morning set	6342 Jan 07 18:46	8° B 47'35		asc. node	6342 Nov 26 23:46	22° M 31'57	
desc. node	6342 Jan 14 19:18	20° B 17'48		direct	6342 Nov 27 21:57	22° M 27'46	
	6342 Jan 20 20:16	0° B		morning max el	6342 Dec 04 11:53	25° M 52'30	17°49'26
					6342 Dec 07 23:45	0° J	
superior conj	6342 Jan 22 02:57	2° B 01'51	-0°50'01	morning set	6342 Dec 20 22:14	21° J 04'06	
minimum elong	6342 Jan 21 20:54	1° B 37'54	0°49'11		6342 Dec 26 02:43	0° B	
max. Earth dist.	6342 Jan 25 13:52	7° B 29'11	1.45210 AU	desc. node	6343 Jan 01 16:17	11° B 01'14	
evening rise	6342 Feb 07 08:49	27° B 23'42					

superior conj	6343 Jan 02 06:16	11°♄58'49	-0°04'10			6343 Dec 18 11:30	0°♄	
minimum elong	6343 Jan 02 05:50	11°♄56'59	0°04'04	desc. node		6343 Dec 19 13:19	1°♄48'00	
behind sun begin	6343 Jan 01 20:29	11°♄18'32		max. Earth dist.		6343 Dec 21 21:44	5°♄41'16	1.42837 AU
behind sun end	6343 Jan 02 15:10	12°♄35'22		evening rise		6343 Dec 28 12:08	16°♄16'48	
max. Earth dist.	6343 Jan 08 07:42	21°♄47'39	1.44326 AU			6344 Jan 06 11:03	0°♄	
	6343 Jan 13 12:29	0°♄				6344 Jan 28 16:37	0°♄	
evening rise	6343 Jan 17 19:25	6°♄38'44		evening max el		6344 Jan 29 13:07	0°♄53'11	21°59'16
	6343 Feb 02 09:43	0°♄		retrograde		6344 Feb 07 21:24	6°♄26'02	
evening max el	6343 Feb 15 17:21	17°♄15'26	20°45'34	asc. node		6344 Feb 09 20:03	6°♄06'16	
asc. node	6343 Feb 22 22:59	22°♄02'19		evening set		6344 Feb 12 08:40	4°♄38'06	
retrograde	6343 Feb 24 00:10	22°♄08'07				6344 Feb 16 11:18	30°♄	
evening set	6343 Feb 28 00:49	20°♄35'27		inferior conj		6344 Feb 17 16:44	28°♄18'32	2°22'10
inferior conj	6343 Mar 05 08:49	14°♄25'17	2°54'08	minimum elong		6344 Feb 17 14:23	28°♄26'41	2°21'29
minimum elong	6343 Mar 05 06:38	14°♄32'49	2°53'39	min. Earth dist.		6344 Feb 17 17:10	28°♄17'03	0.68194 AU
min. Earth dist.	6343 Mar 05 21:31	13°♄41'34	0.67801 AU	morning rise		6344 Feb 22 19:56	22°♄07'26	
morning rise	6343 Mar 10 12:13	8°♄11'00		direct		6344 Feb 27 16:49	20°♄02'42	
direct	6343 Mar 15 23:25	5°♄45'21		morning max el		6344 Mar 08 08:58	25°♄44'59	22°31'33
morning max el	6343 Mar 26 22:36	12°♄18'33	24°00'55			6344 Mar 12 05:41	0°♄	
desc. node	6343 Mar 30 15:38	16°♄21'34		desc. node		6344 Mar 16 12:40	5°♄21'10	
	6343 Apr 10 03:27	0°♄				6344 Apr 02 15:58	0°♄	
	6343 Apr 29 12:07	0°♄		morning set		6344 Apr 11 05:46	13°♄36'54	
morning set	6343 May 01 12:57	3°♄28'13		max. Earth dist.		6344 Apr 16 03:09	21°♄46'01	1.40492 AU
max. Earth dist.	6343 May 05 06:50	10°♄01'52	1.38271 AU			6344 Apr 20 21:23	0°♄	
superior conj	6343 May 12 12:21	23°♄21'20	-1°24'39	superior conj		6344 Apr 23 22:31	5°♄25'57	-1°50'10
minimum elong	6343 May 12 17:08	23°♄44'03	1°23'59	minimum elong		6344 Apr 24 03:47	5°♄49'43	1°49'42
	6343 May 15 23:11	0°♄		evening rise		6344 May 04 00:17	24°♄08'39	
evening rise	6343 May 21 11:17	10°♄48'30				6344 May 07 03:13	0°♄	
asc. node	6343 May 21 22:11	11°♄41'59		asc. node		6344 May 07 19:14	1°♄14'08	
	6343 Jun 01 01:03	0°♄		evening max el		6344 May 20 03:13	19°♄58'11	18°22'22
evening max el	6343 Jun 06 21:36	7°♄27'12	18°57'38	retrograde		6344 May 27 12:09	23°♄38'27	
retrograde	6343 Jun 15 11:34	11°♄40'16		evening set		6344 May 29 19:24	23°♄17'54	
evening set	6343 Jun 17 11:47	11°♄27'19		inferior conj		6344 Jun 06 04:16	18°♄42'03	1°45'29
inferior conj	6343 Jun 25 16:31	7°♄11'43	0°16'35	minimum elong		6344 Jun 06 07:24	18°♄35'37	1°44'28
minimum elong	6343 Jun 25 17:11	7°♄10'32	0°16'18	min. Earth dist.		6344 Jun 09 14:26	15°♄54'12	0.58606 AU
desc. node	6343 Jun 26 14:52	6°♄32'13		desc. node		6344 Jun 12 11:56	13°♄51'32	
min. Earth dist.	6343 Jun 28 18:11	5°♄02'59	0.56631 AU	morning rise		6344 Jun 13 16:13	13°♄10'51	
morning rise	6343 Jul 03 19:14	2°♄13'20		direct		6344 Jun 19 19:04	11°♄31'53	
direct	6343 Jul 09 02:25	1°♄06'30		morning max el		6344 Jul 04 04:18	19°♄16'31	27°10'43
morning max el	6343 Jul 23 09:13	8°♄29'50	25°57'42			6344 Jul 13 06:28	0°♄	
	6343 Aug 08 11:35	0°♄				6344 Jul 31 02:50	0°♄	
asc. node	6343 Aug 17 21:30	17°♄36'32		morning set		6344 Aug 03 17:07	7°♄22'14	
morning set	6343 Aug 20 08:12	22°♄42'43		asc. node		6344 Aug 03 18:31	7°♄29'35	
	6343 Aug 23 17:10	0°♄						
superior conj	6343 Aug 27 06:14	7°♄48'30	1°23'28	superior conj		6344 Aug 10 18:04	22°♄40'44	1°06'46
minimum elong	6343 Aug 27 04:04	7°♄36'31	1°23'12	minimum elong		6344 Aug 10 15:48	22°♄28'14	1°06'23
max. Earth dist.	6343 Aug 28 01:48	9°♄36'21	1.32124 AU	max. Earth dist.		6344 Aug 10 12:33	22°♄10'14	1.31826 AU
evening rise	6343 Sep 03 05:47	22°♄53'22		evening rise		6344 Aug 14 01:37	0°♄	
	6343 Sep 06 17:40	0°♄				6344 Aug 17 13:22	7°♄32'27	
desc. node	6343 Sep 22 14:04	27°♄08'21		desc. node		6344 Aug 29 05:19	0°♄	
	6343 Sep 24 14:57	0°♄		evening max el		6344 Sep 08 11:07	15°♄24'34	
evening max el	6343 Oct 04 21:13	11°♄58'24	27°15'16			6344 Sep 15 22:34	23°♄50'13	26°29'04
retrograde	6343 Oct 18 17:42	19°♄11'17		retrograde		6344 Sep 24 23:42	0°♄	
evening set	6343 Oct 25 20:15	16°♄52'57				6344 Sep 29 20:56	0°♄57'31	
min. Earth dist.	6343 Oct 29 11:56	14°♄06'01	0.61587 AU	evening set		6344 Oct 04 16:00	30°♄	
inferior conj	6343 Nov 01 12:57	11°♄23'13	-3°46'54	min. Earth dist.		6344 Oct 06 13:34	29°♄06'34	
minimum elong	6343 Nov 01 19:23	11°♄08'49	3°44'55	inferior conj		6344 Oct 10 12:07	26°♄31'41	0.59521 AU
morning rise	6343 Nov 08 20:33	6°♄25'29		minimum elong		6344 Oct 13 17:32	24°♄01'13	-4°43'19
direct	6343 Nov 11 03:19	6°♄03'30		morning rise		6344 Oct 13 23:52	23°♄48'52	4°42'00
asc. node	6343 Nov 13 20:49	6°♄36'08		direct		6344 Oct 21 12:19	19°♄25'27	
morning max el	6343 Nov 18 03:30	9°♄35'32	17°53'52	asc. node		6344 Oct 23 19:42	19°♄06'28	
	6343 Dec 01 12:42	0°♄		morning max el		6344 Oct 30 17:52	22°♄07'47	
morning set	6343 Dec 03 21:34	4°♄17'46				6344 Oct 31 14:06	22°♄54'16	18°17'55
				morning set		6344 Nov 06 05:03	0°♄	
superior conj	6343 Dec 14 11:50	23°♄12'15	0°35'59			6344 Nov 16 10:49	18°♄10'08	
minimum elong	6343 Dec 14 14:47	23°♄25'02	0°35'37			6344 Nov 22 16:51	0°♄	

superior conj	6344 Nov 25 17:08	5°♊33'45	1°06'38	minimum elong	6345 Nov 08 19:58	19°♍02'55	1°27'04
minimum elong	6344 Nov 25 20:52	5°♊50'44	1°06'12		6345 Nov 14 16:42	0°♊	
max. Earth dist.	6344 Dec 03 07:10	18°♊57'33	1.40912 AU	max. Earth dist.	6345 Nov 15 12:51	1°♊30'56	1.38782 AU
desc. node	6344 Dec 05 10:20	22°♊33'51		evening rise	6345 Nov 19 08:17	8°♊13'27	
evening rise	6344 Dec 07 23:00	26°♊45'07		desc. node	6345 Nov 22 07:21	13°♊15'11	
	6344 Dec 09 22:59	0°♊			6345 Dec 02 21:05	0°♊	
	6344 Dec 30 03:54	0°♊		evening max el	6345 Dec 24 18:01	28°♊17'09	24°37'36
evening max el	6345 Jan 11 04:46	14°♊33'44	23°18'39		6345 Dec 26 13:37	0°♊	
retrograde	6345 Jan 21 15:59	20°♊45'10		retrograde	6346 Jan 05 06:47	5°♊01'02	
evening set	6345 Jan 26 15:16	18°♊41'51		evening set	6346 Jan 10 19:05	2°♊43'10	
asc. node	6345 Jan 26 17:06	18°♊37'58			6346 Jan 13 10:15	30°♋	
min. Earth dist.	6345 Jan 31 13:55	12°♋54'27	0.68186 AU	asc. node	6346 Jan 13 14:08	29°♋48'19	
inferior conj	6345 Feb 01 00:59	12°♋16'24	1°41'58	min. Earth dist.	6346 Jan 15 09:31	27°♋29'52	0.67797 AU
minimum elong	6345 Jan 31 22:57	12°♋23'24	1°41'16	inferior conj	6346 Jan 16 07:44	26°♋15'57	0°54'21
morning rise	6345 Feb 06 06:33	6°♋10'03		minimum elong	6346 Jan 16 06:29	26°♋20'09	0°53'53
direct	6345 Feb 10 13:17	4°♋28'11		morning rise	6346 Jan 21 18:02	20°♋16'04	
morning max el	6345 Feb 19 00:42	9°♋21'40	21°08'12	direct	6346 Jan 25 11:38	18°♋56'12	
desc. node	6345 Mar 03 09:41	24°♋55'54		morning max el	6346 Feb 02 00:11	23°♋10'34	19°56'31
	6345 Mar 06 22:31	0°♋			6346 Feb 07 19:23	0°♋	
morning set	6345 Mar 21 18:53	22°♋29'15		desc. node	6346 Feb 18 06:41	14°♋55'59	
	6345 Mar 26 12:16	0°♋			6346 Feb 28 04:44	0°♋	
max. Earth dist.	6345 Mar 29 06:02	4°♋26'47	1.42538 AU	morning set	6346 Feb 28 15:54	0°♋43'03	
				max. Earth dist.	6346 Mar 11 16:19	17°♋58'08	1.44146 AU
superior conj	6345 Apr 05 11:14	16°♌30'26	-2°06'51	superior conj	6346 Mar 16 22:48	26°♋27'23	-2°08'55
minimum elong	6345 Apr 05 14:23	16°♌43'57	2°06'46	minimum elong	6346 Mar 16 20:21	26°♋17'24	2°08'52
	6345 Apr 13 04:30	0°♌			6346 Mar 19 02:47	0°♌	
evening rise	6345 Apr 16 23:22	6°♌47'25		evening rise	6346 Mar 30 03:58	18°♌34'51	
asc. node	6345 Apr 24 16:17	20°♌25'01			6346 Apr 05 20:41	0°♌	
	6345 May 01 00:04	0°♌		asc. node	6346 Apr 11 13:19	9°♌06'59	
evening max el	6345 May 03 14:13	2°♌56'27	18°06'56	evening max el	6346 Apr 17 03:11	16°♌12'25	18°10'39
retrograde	6345 May 10 06:08	6°♌20'27		retrograde	6346 Apr 23 12:55	19°♌35'06	
evening set	6345 May 12 20:29	5°♌49'36		evening set	6346 Apr 26 09:52	18°♌52'20	
inferior conj	6345 May 19 12:20	0°♌53'08	2°44'21	inferior conj	6346 May 02 12:46	13°♌36'39	3°16'56
minimum elong	6345 May 19 15:23	0°♌45'49	2°43'39	minimum elong	6346 May 02 14:32	13°♌31'50	3°16'42
	6345 May 20 10:25	30°♌		min. Earth dist.	6346 May 05 05:57	10°♌40'53	0.62970 AU
min. Earth dist.	6345 May 22 17:43	27°♌49'32	0.60819 AU	morning rise	6346 May 08 17:51	7°♌28'41	
morning rise	6345 May 26 08:01	24°♌58'37		direct	6346 May 15 13:27	4°♌53'04	
desc. node	6345 May 30 08:58	23°♌07'30		desc. node	6346 May 17 06:00	5°♌01'50	
direct	6345 Jun 01 23:25	22°♌47'36		morning max el	6346 May 29 13:25	12°♌54'42	27°49'40
	6345 Jun 15 11:50	0°♌			6346 Jun 12 04:56	0°♌	
morning max el	6345 Jun 16 06:10	0°♌44'40	27°49'12		6346 Jun 29 21:24	0°♌	
	6345 Jul 07 09:58	0°♌		morning set	6346 Jul 02 20:43	5°♌51'45	
morning set	6345 Jul 18 22:02	21°♌47'39		max. Earth dist.	6346 Jul 08 04:03	16°♌52'37	1.32538 AU
asc. node	6345 Jul 21 15:32	27°♌31'46		asc. node	6346 Jul 08 12:33	17°♌38'02	
	6345 Jul 22 19:10	0°♌					
max. Earth dist.	6345 Jul 24 22:42	4°♌40'16	1.31962 AU	superior conj	6346 Jul 10 13:16	22°♌00'23	0°20'51
superior conj	6345 Jul 26 05:01	7°♌26'48	0°45'44	minimum elong	6346 Jul 10 12:17	21°♌55'06	0°20'36
minimum elong	6345 Jul 26 03:10	7°♌16'34	0°45'20		6346 Jul 14 05:25	0°♌	
evening rise	6345 Aug 02 00:01	22°♌17'52		evening rise	6346 Jul 17 11:45	7°♌02'40	
	6345 Aug 05 16:46	0°♌			6346 Jul 29 11:57	0°♌	
	6345 Aug 24 03:37	0°♌		evening max el	6346 Aug 10 04:00	15°♌16'19	23°37'50
desc. node	6345 Aug 26 08:09	2°♌29'35		desc. node	6346 Aug 13 05:11	17°♌55'41	
evening max el	6345 Aug 28 15:56	4°♌51'45	25°12'42	retrograde	6346 Aug 23 18:45	22°♌06'13	
retrograde	6345 Sep 11 13:42	11°♌53'46		evening set	6346 Aug 28 01:44	21°♌25'47	
evening set	6345 Sep 17 07:29	10°♌38'23		min. Earth dist.	6346 Sep 03 13:55	18°♌20'48	0.55859 AU
min. Earth dist.	6345 Sep 22 03:27	7°♌57'36	0.57515 AU	inferior conj	6346 Sep 05 16:10	17°♌05'42	-5°18'13
inferior conj	6345 Sep 25 02:57	5°♌57'02	-5°19'26	minimum elong	6346 Sep 05 12:33	17°♌11'07	5°17'56
minimum elong	6345 Sep 25 05:56	5°♌51'59	5°19'11	morning rise	6346 Sep 14 01:46	13°♌11'32	
morning rise	6345 Oct 03 06:39	1°♌44'26		direct	6346 Sep 16 21:59	12°♌51'29	
direct	6345 Oct 05 18:43	1°♌25'56		morning max el	6346 Sep 27 07:01	17°♌41'44	20°10'31
morning max el	6345 Oct 14 16:14	5°♌39'13	19°03'09	asc. node	6346 Oct 04 11:52	26°♌37'04	
asc. node	6345 Oct 17 14:52	8°♌53'07			6346 Oct 06 14:36	0°♌	
	6345 Oct 30 03:27	0°♌		morning set	6346 Oct 15 14:52	17°♌04'40	
morning set	6345 Oct 31 09:39	2°♌28'41			6346 Oct 21 22:13	0°♌	
superior conj	6345 Nov 08 17:03	18°♍48'56	1°27'19	superior conj	6346 Oct 23 06:35	2°♍43'40	1°38'55

minimum elong	6346 Oct 23 08:05	2° \mathbb{M} 51'12	1°38'52		6347 Sep 10 11:16	0° \mathbb{M}	
max. Earth dist.	6346 Oct 28 18:48	13° \mathbb{M} 31'41	1.36707 AU	asc. node	6347 Sep 21 08:53	15° \mathbb{M} 06'08	
evening rise	6346 Nov 01 14:35	20° \mathbb{M} 38'45			6347 Sep 29 02:43	0° \mathbb{A}	
	6346 Nov 06 22:05	0° \mathbb{A}		morning set	6347 Sep 30 00:06	1° \mathbb{A} 51'01	
desc. node	6346 Nov 09 04:22	3° \mathbb{A} 48'00					
	6346 Nov 26 20:34	0° \mathbb{B}		superior conj	6347 Oct 07 05:42	17° \mathbb{A} 05'40	1°42'41
evening max el	6346 Dec 07 06:40	12° \mathbb{B} 02'09	25°49'09	minimum elong	6347 Oct 07 05:45	17° \mathbb{A} 05'59	1°42'42
retrograde	6346 Dec 19 17:01	19° \mathbb{B} 08'25		max. Earth dist.	6347 Oct 11 06:39	25° \mathbb{A} 23'40	1.34904 AU
evening set	6346 Dec 25 18:27	16° \mathbb{B} 38'37			6347 Oct 13 14:17	0° \mathbb{M}	
min. Earth dist.	6346 Dec 30 01:47	11° \mathbb{B} 59'54	0.67040 AU	evening rise	6347 Oct 15 14:03	3° \mathbb{M} 51'05	
inferior conj	6346 Dec 31 11:12	10° \mathbb{B} 14'28	0°00'02	desc. node	6347 Oct 27 01:22	24° \mathbb{M} 06'49	
minimum elong	6346 Dec 31 11:12	10° \mathbb{B} 14'28	0°00'05		6347 Oct 30 18:35	0° \mathbb{A}	
transit middle	6346 Dec 31 11:12	10° \mathbb{B} 14'28	0°00'05	evening max el	6347 Nov 19 19:37	25° \mathbb{A} 42'56	26°45'55
transit begin	6346 Dec 31 08:22	10° \mathbb{B} 23'25			6347 Nov 24 23:01	0° \mathbb{B}	
transit end	6346 Dec 31 14:01	10° \mathbb{B} 05'32		retrograde	6347 Dec 02 21:51	2° \mathbb{B} 59'55	
asc. node	6346 Dec 31 11:09	10° \mathbb{B} 14'36		evening set	6347 Dec 09 11:25	0° \mathbb{B} 22'45	
morning rise	6347 Jan 06 04:26	4° \mathbb{B} 22'59			6347 Dec 09 22:21	30° \mathbb{R} \mathbb{A}	
direct	6347 Jan 09 10:27	3° \mathbb{B} 22'25		min. Earth dist.	6347 Dec 13 12:25	26° \mathbb{A} 18'54	0.65932 AU
morning max el	6347 Jan 16 07:24	7° \mathbb{B} 09'34	18°59'38	inferior conj	6347 Dec 15 09:19	24° \mathbb{A} 07'08	-1°00'03
	6347 Feb 01 18:31	0° \mathbb{A}		minimum elong	6347 Dec 15 11:01	24° \mathbb{A} 02'08	0°59'17
desc. node	6347 Feb 05 03:40	5° \mathbb{A} 14'39		asc. node	6347 Dec 18 08:11	20° \mathbb{A} 51'30	
morning set	6347 Feb 07 21:13	9° \mathbb{A} 29'44		morning rise	6347 Dec 21 11:31	18° \mathbb{A} 26'32	
	6347 Feb 21 00:20	0° \mathbb{H}		direct	6347 Dec 24 07:55	17° \mathbb{A} 41'33	
max. Earth dist.	6347 Feb 22 08:06	2° \mathbb{H} 04'44	1.45132 AU	morning max el	6347 Dec 30 20:31	21° \mathbb{A} 12'33	18°18'55
					6348 Jan 06 18:08	0° \mathbb{B}	
superior conj	6347 Feb 24 11:46	5° \mathbb{H} 28'02	-1°51'36	morning set	6348 Jan 19 05:08	19° \mathbb{B} 38'31	
minimum elong	6347 Feb 24 03:17	4° \mathbb{H} 54'37	1°50'57	desc. node	6348 Jan 23 00:39	25° \mathbb{B} 45'56	
evening rise	6347 Mar 11 10:14	29° \mathbb{H} 25'02			6348 Jan 25 16:16	0° \mathbb{A}	
	6347 Mar 11 18:48	0° \mathbb{Y}					
asc. node	6347 Mar 29 10:22	27° \mathbb{Y} 11'26		superior conj	6348 Feb 03 15:23	14° \mathbb{A} 09'59	-1°15'47
evening max el	6347 Mar 31 15:21	29° \mathbb{Y} 39'46	18°32'50	minimum elong	6348 Feb 03 06:40	13° \mathbb{A} 35'44	1°14'45
	6347 Mar 31 23:32	0° \mathbb{B}		max. Earth dist.	6348 Feb 05 02:59	16° \mathbb{A} 29'34	1.45397 AU
retrograde	6347 Apr 07 04:05	3° \mathbb{B} 14'07			6348 Feb 13 18:15	0° \mathbb{H}	
evening set	6347 Apr 10 07:43	2° \mathbb{B} 18'19		evening rise	6348 Feb 19 17:23	9° \mathbb{H} 20'08	
	6347 Apr 13 04:10	30° \mathbb{R} \mathbb{Y}		greatest brilliancy	6348 Mar 01 16:24	26° \mathbb{H} 25'46	-0.8m
inferior conj	6347 Apr 16 01:32	26° \mathbb{Y} 45'06	3°28'50		6348 Mar 04 00:49	0° \mathbb{Y}	
minimum elong	6347 Apr 16 01:48	26° \mathbb{Y} 44'20	3°28'49	evening max el	6348 Mar 14 00:23	13° \mathbb{Y} 12'45	19°12'29
min. Earth dist.	6347 Apr 18 03:37	24° \mathbb{Y} 15'40	0.64852 AU	asc. node	6348 Mar 15 07:25	14° \mathbb{Y} 26'37	
morning rise	6347 Apr 21 19:09	20° \mathbb{Y} 30'58		retrograde	6348 Mar 21 00:07	17° \mathbb{Y} 10'13	
direct	6347 Apr 28 11:35	17° \mathbb{Y} 43'03		evening set	6348 Mar 24 11:04	16° \mathbb{Y} 00'34	
desc. node	6347 May 04 03:01	19° \mathbb{Y} 21'29		inferior conj	6348 Mar 29 23:03	10° \mathbb{Y} 11'24	3°24'52
morning max el	6347 May 11 23:19	25° \mathbb{Y} 38'10	27°14'59	minimum elong	6348 Mar 29 22:02	10° \mathbb{Y} 14'40	3°24'46
	6347 May 15 23:22	0° \mathbb{B}		min. Earth dist.	6348 Mar 31 09:44	8° \mathbb{Y} 19'52	0.66341 AU
	6347 Jun 05 17:25	0° \mathbb{I}		morning rise	6348 Apr 04 08:38	3° \mathbb{Y} 55'33	
morning set	6347 Jun 16 10:28	19° \mathbb{I} 26'33		direct	6348 Apr 10 16:18	1° \mathbb{Y} 08'24	
max. Earth dist.	6347 Jun 21 00:44	28° \mathbb{I} 37'09	1.33581 AU	desc. node	6348 Apr 20 00:01	5° \mathbb{Y} 33'39	
	6347 Jun 21 16:52	0° \mathbb{E}		morning max el	6348 Apr 23 09:16	8° \mathbb{Y} 42'38	26°12'33
					6348 May 10 01:26	0° \mathbb{B}	
superior conj	6347 Jun 24 16:49	6° \mathbb{E} 15'44	-0°07'11		6348 May 28 04:57	0° \mathbb{I}	
minimum elong	6347 Jun 24 17:11	6° \mathbb{E} 17'44	0°07'10	morning set	6348 May 29 11:38	2° \mathbb{I} 21'54	
behind sun begin	6347 Jun 24 12:11	5° \mathbb{E} 51'21		max. Earth dist.	6348 Jun 02 10:20	9° \mathbb{I} 52'53	1.35098 AU
behind sun end	6347 Jun 24 22:11	6° \mathbb{E} 44'09					
asc. node	6347 Jun 25 09:34	7° \mathbb{E} 44'25		superior conj	6348 Jun 07 13:17	20° \mathbb{I} 06'22	-0°37'17
evening rise	6347 Jul 01 22:44	21° \mathbb{E} 41'07		minimum elong	6348 Jun 07 15:23	20° \mathbb{I} 17'04	0°36'54
	6347 Jul 05 23:52	0° \mathbb{Q}		asc. node	6348 Jun 11 06:37	27° \mathbb{I} 47'10	
evening max el	6347 Jul 22 18:42	25° \mathbb{Q} 36'25	22°00'37		6348 Jun 12 08:09	0° \mathbb{E}	
	6347 Jul 28 12:08	0° \mathbb{M}		evening rise	6348 Jun 15 06:59	6° \mathbb{E} 07'34	
desc. node	6347 Jul 31 02:13	1° \mathbb{M} 09'40			6348 Jun 28 11:53	0° \mathbb{Q}	
retrograde	6347 Aug 04 12:08	1° \mathbb{M} 55'21		evening max el	6348 Jul 03 19:42	6° \mathbb{Q} 24'12	20°34'41
evening set	6347 Aug 07 08:15	1° \mathbb{M} 37'24		retrograde	6348 Jul 15 00:22	11° \mathbb{Q} 54'30	
	6347 Aug 12 00:02	30° \mathbb{R} \mathbb{Q}		desc. node	6348 Jul 16 23:16	11° \mathbb{Q} 45'08	
min. Earth dist.	6347 Aug 15 23:29	27° \mathbb{Q} 54'23	0.54892 AU	evening set	6348 Jul 17 01:05	11° \mathbb{Q} 44'25	
inferior conj	6347 Aug 16 13:35	27° \mathbb{Q} 34'35	-4°25'14	inferior conj	6348 Jul 26 06:50	7° \mathbb{Q} 47'30	-2°45'06
minimum elong	6347 Aug 16 04:47	27° \mathbb{Q} 46'57	4°23'11	minimum elong	6348 Jul 25 23:21	7° \mathbb{Q} 58'16	2°42'31
morning rise	6347 Aug 25 02:50	23° \mathbb{Q} 44'51		min. Earth dist.	6348 Jul 27 10:12	7° \mathbb{Q} 08'07	0.54846 AU
direct	6347 Aug 28 10:13	23° \mathbb{Q} 20'36		morning rise	6348 Aug 03 21:01	3° \mathbb{Q} 42'44	
morning max el	6347 Sep 09 09:25	28° \mathbb{Q} 57'21	21°38'25	direct	6348 Aug 07 19:45	3° \mathbb{Q} 09'14	

morning max el	6348 Aug 21 02:04	9°Ω33'31	23°20'28	morning max el	6349 Aug 02 15:11	19°Ω51'34	25°04'01
	6348 Sep 04 23:37	0°൬			6349 Aug 11 06:13	0°Ω	
asc. node	6348 Sep 07 05:55	4°൬09'25		asc. node	6349 Aug 25 02:57	23°Ω37'13	
morning set	6348 Sep 13 11:28	16°൬42'47			6349 Aug 28 05:27	0°൬	
	6348 Sep 19 15:39	0°Ω		morning set	6349 Aug 28 23:11	1°൬33'42	
superior conj	6348 Sep 20 11:19	1°Ω45'59	1°39'43	superior conj	6349 Sep 04 20:56	16°൬35'49	1°30'55
minimum elong	6348 Sep 20 10:12	1°Ω39'58	1°39'41	minimum elong	6349 Sep 04 19:01	16°൬25'20	1°30'44
max. Earth dist.	6348 Sep 23 03:23	7°Ω27'25	1.33491 AU	max. Earth dist.	6349 Sep 06 07:57	19°൬47'09	1.32503 AU
evening rise	6348 Sep 28 02:43	17°Ω40'07			6349 Sep 11 02:45	0°Ω	
	6348 Oct 04 14:29	0°൬		evening rise	6349 Sep 12 00:55	1°Ω54'41	
desc. node	6348 Oct 12 22:25	14°൬05'26			6349 Sep 27 11:42	0°൬	
	6348 Oct 24 02:54	0°♂		desc. node	6349 Sep 29 19:29	3°൬34'22	
evening max el	6348 Nov 01 08:15	9°♂09'53	27°20'25	evening max el	6349 Oct 14 18:26	22°൬09'01	27°26'23
retrograde	6348 Nov 14 20:29	16°♂28'11		retrograde	6349 Oct 28 12:21	29°൬23'58	
evening set	6348 Nov 21 19:39	13°♂50'34		evening set	6349 Nov 04 16:05	26°൬55'09	
min. Earth dist.	6348 Nov 25 15:07	10°♂20'40	0.64487 AU	min. Earth dist.	6349 Nov 08 07:51	23°൬55'15	0.62724 AU
inferior conj	6348 Nov 27 23:46	7°♂49'07	-2°04'21	inferior conj	6349 Nov 11 03:42	21°൬12'58	-3°10'09
minimum elong	6348 Nov 28 03:28	7°♂39'09	2°02'50	minimum elong	6349 Nov 11 09:21	20°൬59'25	3°08'10
asc. node	6348 Dec 04 05:13	2°♂30'55		morning rise	6349 Nov 18 04:25	16°൬03'49	
morning rise	6348 Dec 04 12:39	2°♂22'28		direct	6349 Nov 20 12:42	15°൬38'35	
direct	6348 Dec 07 01:43	1°♂49'10		asc. node	6349 Nov 21 02:16	15°൬40'05	
morning max el	6348 Dec 13 13:00	5°♂13'31	17°55'07	morning max el	6349 Nov 27 05:51	19°൬05'04	17°49'02
	6348 Dec 30 00:44	0°♂			6349 Dec 05 05:29	0°♂	
morning set	6348 Dec 30 18:13	1°♂13'40		morning set	6349 Dec 13 06:55	13°♂56'41	
desc. node	6349 Jan 08 21:39	16°♂25'58			6349 Dec 22 12:04	0°♂	
superior conj	6349 Jan 13 05:40	23°♂27'29	-0°30'19	superior conj	6349 Dec 24 20:00	3°♂56'23	0°13'55
minimum elong	6349 Jan 13 02:05	23°♂13'07	0°29'46	minimum elong	6349 Dec 24 21:22	4°♂02'06	0°13'46
	6349 Jan 17 08:06	0°♂		behind sun begin	6349 Dec 24 16:38	3°♂42'16	
max. Earth dist.	6349 Jan 17 22:22	0°♂56'29	1.44922 AU	behind sun end	6349 Dec 25 02:05	4°♂21'54	
evening rise	6349 Jan 29 07:47	18°♂40'23		desc. node	6349 Dec 26 18:41	7°♂11'06	
	6349 Feb 05 17:54	0°♂		max. Earth dist.	6349 Dec 31 15:22	15°♂08'01	1.43759 AU
greatest brilliancy	6349 Feb 13 02:00	10°♂57'23	-0.6m	evening rise	6350 Jan 08 19:06	28°♂00'33	
evening max el	6349 Feb 25 04:36	26°♂47'57	20°07'47		6350 Jan 10 02:03	0°♂	
	6349 Feb 28 24:00	0°♂			6350 Jan 30 13:54	0°♂	
asc. node	6349 Mar 02 04:28	0°♂38'50		evening max el	6350 Feb 08 03:16	10°♂24'06	21°15'53
retrograde	6349 Mar 04 22:14	1°♂18'08		retrograde	6350 Feb 16 20:23	15°♂33'35	
evening set	6349 Mar 08 17:37	29°♂53'52		asc. node	6350 Feb 17 01:31	15°♂33'21	
	6349 Mar 08 14:14	30°♂♂		evening set	6350 Feb 21 01:28	13°♂54'13	
inferior conj	6349 Mar 14 02:25	23°♂50'41	3°08'22	inferior conj	6350 Feb 26 09:16	7°♂39'32	2°41'38
minimum elong	6349 Mar 14 00:32	23°♂57'04	3°08'03	minimum elong	6350 Feb 26 06:57	7°♂47'32	2°41'04
min. Earth dist.	6349 Mar 14 22:43	22°♂42'06	0.67395 AU	min. Earth dist.	6350 Feb 26 16:31	7°♂14'21	0.68015 AU
morning rise	6349 Mar 19 07:14	17°♂35'32		morning rise	6350 Mar 03 12:16	1°♂26'37	
direct	6349 Mar 25 02:29	14°♂59'58			6350 Mar 05 12:41	30°♂♂	
morning max el	6349 Apr 05 18:13	21°♂58'22	24°51'46	direct	6350 Mar 08 17:21	29°♂♂09'42	
desc. node	6349 Apr 06 21:02	23°♂07'55			6350 Mar 12 04:21	0°♂	
	6349 Apr 12 18:14	0°♂		morning max el	6350 Mar 19 03:24	5°♂21'21	23°22'48
	6349 May 03 08:09	0°♂		desc. node	6350 Mar 24 18:02	11°♂41'16	
morning set	6349 May 11 19:25	14°♂23'57			6350 Apr 07 03:09	0°♂	
max. Earth dist.	6349 May 15 10:14	20°♂56'14	1.37034 AU	morning set	6350 Apr 23 04:03	25°♂18'04	
	6349 May 20 05:40	0°♂			6350 Apr 25 22:14	0°♂	
superior conj	6349 May 21 23:35	3°♂23'28	-1°07'48	max. Earth dist.	6350 Apr 27 06:07	2°♂18'15	1.39217 AU
minimum elong	6349 May 22 03:30	3°♂42'36	1°07'11	superior conj	6350 May 04 19:53	15°♂57'33	-1°36'12
asc. node	6349 May 29 03:40	17°♂41'38		minimum elong	6350 May 05 01:06	16°♂21'46	1°35'35
evening rise	6349 May 30 10:08	20°♂14'37			6350 May 12 04:49	0°♂	
	6349 Jun 04 09:51	0°♂		evening rise	6350 May 14 05:21	3°♂54'44	
evening max el	6349 Jun 16 09:25	17°♂53'17	19°27'06	asc. node	6350 May 16 00:45	7°♂23'34	
retrograde	6349 Jun 25 20:39	22°♂32'09			6350 May 30 08:40	0°♂	
evening set	6349 Jun 27 18:26	22°♂21'39		evening max el	6350 May 30 10:09	0°♂03'39	18°40'05
desc. node	6349 Jul 03 20:19	19°♂51'47		retrograde	6350 Jun 07 10:28	4°♂01'13	
inferior conj	6349 Jul 06 10:16	18°♂15'18	-0°46'44	evening set	6350 Jun 09 13:26	3°♂45'30	
minimum elong	6349 Jul 06 08:11	18°♂18'40	0°45'59		6350 Jun 16 12:46	30°♂♂	
min. Earth dist.	6349 Jul 08 23:17	16°♂37'21	0.55750 AU	inferior conj	6350 Jun 17 09:31	29°♂21'14	0°57'54
morning rise	6349 Jul 14 19:19	13°♂38'35		minimum elong	6350 Jun 17 11:36	29°♂17'18	0°57'07
direct	6349 Jul 19 13:54	12°♂47'14		min. Earth dist.	6350 Jun 20 16:32	26°♂53'31	0.57418 AU

desc. node	6350 Jun 20 17:20	26° Π 52'04		morning rise	6351 Jun 06 11:13	5° Π 26'35	
morning rise	6350 Jun 25 06:23	24° Π 07'43		desc. node	6351 Jun 07 14:21	4° Π 50'13	
direct	6350 Jun 30 22:15	22° Π 48'08		direct	6351 Jun 12 20:21	3° Π 33'17	
	6350 Jul 14 22:11	0° \mathfrak{C}		morning max el	6351 Jun 27 05:21	11° Π 25'11	27°31'39
morning max el	6350 Jul 15 07:15	0° \mathfrak{C} 21'44	26°32'27		6351 Jul 11 17:42	0° \mathfrak{C}	
	6350 Aug 05 04:01	0° Ω			6351 Jul 28 06:52	0° Ω	
asc. node	6350 Aug 11 24:00	13° Ω 22'48		morning set	6351 Jul 28 17:06	0° Ω 53'17	
morning set	6350 Aug 13 09:37	16° Ω 18'59		asc. node	6351 Jul 29 21:02	3° Ω 20'20	
	6350 Aug 19 16:26	0° \mathfrak{M}		max. Earth dist.	6351 Aug 04 04:14	14° Ω 51'09	1.31826 AU
superior conj	6350 Aug 20 08:30	1° \mathfrak{M} 28'51	1°16'58	superior conj	6351 Aug 04 20:11	16° Ω 19'16	0°58'22
minimum elong	6350 Aug 20 06:14	1° \mathfrak{M} 16'19	1°16'36	minimum elong	6351 Aug 04 18:02	16° Ω 07'24	0°57'57
max. Earth dist.	6350 Aug 20 17:26	2° \mathfrak{M} 18'15	1.31949 AU		6351 Aug 11 01:57	0° \mathfrak{M}	
evening rise	6350 Aug 27 05:45	16° \mathfrak{M} 26'41		evening rise	6351 Aug 11 14:52	1° \mathfrak{M} 09'01	
	6350 Sep 03 00:35	0° \mathfrak{A}			6351 Aug 27 04:30	0° \mathfrak{A}	
desc. node	6350 Sep 16 16:32	22° \mathfrak{A} 21'39		desc. node	6351 Sep 03 13:34	10° \mathfrak{A} 10'44	
	6350 Sep 22 17:15	0° \mathfrak{M}		evening max el	6351 Sep 08 21:18	15° \mathfrak{A} 57'11	25°59'44
evening max el	6350 Sep 26 23:28	4° \mathfrak{M} 27'18	26°59'29	retrograde	6351 Sep 22 20:16	23° \mathfrak{A} 03'20	
retrograde	6350 Oct 10 20:44	11° \mathfrak{M} 37'59		evening set	6351 Sep 29 04:40	21° \mathfrak{A} 26'50	
evening set	6350 Oct 17 20:42	9° \mathfrak{M} 29'34		min. Earth dist.	6351 Oct 03 10:04	18° \mathfrak{A} 51'39	0.58640 AU
min. Earth dist.	6350 Oct 21 13:49	6° \mathfrak{M} 50'01	0.60720 AU	inferior conj	6351 Oct 06 14:36	16° \mathfrak{A} 31'30	-5°02'04
inferior conj	6350 Oct 24 17:47	4° \mathfrak{M} 10'08	-4°12'26	minimum elong	6351 Oct 06 19:58	16° \mathfrak{A} 21'36	5°01'14
minimum elong	6350 Oct 25 00:29	3° \mathfrak{M} 56'00	4°10'38	morning rise	6351 Oct 14 13:34	12° \mathfrak{A} 05'52	
	6350 Oct 30 15:03	30° \mathfrak{R} \mathfrak{A}		direct	6351 Oct 16 22:15	11° \mathfrak{A} 47'31	
morning rise	6350 Nov 01 06:24	29° \mathfrak{A} 21'48		morning max el	6351 Oct 25 03:20	15° \mathfrak{A} 45'09	18°34'29
direct	6350 Nov 03 12:58	29° \mathfrak{A} 01'28		asc. node	6351 Oct 25 20:19	16° \mathfrak{A} 27'35	
	6350 Nov 07 07:23	0° \mathfrak{M}			6351 Nov 04 03:05	0° \mathfrak{M}	
asc. node	6350 Nov 07 23:18	0° \mathfrak{M} 22'27		morning set	6351 Nov 10 06:33	11° \mathfrak{M} 32'53	
morning max el	6350 Nov 10 19:48	2° \mathfrak{M} 38'45	18°01'40	superior conj	6351 Nov 19 02:10	28° \mathfrak{M} 26'53	1°16'35
morning set	6350 Nov 26 12:44	27° \mathfrak{M} 27'54		minimum elong	6351 Nov 19 05:40	28° \mathfrak{M} 43'14	1°16'12
	6350 Nov 27 21:32	0° \mathfrak{A}			6351 Nov 19 22:11	0° \mathfrak{A}	
superior conj	6350 Dec 06 12:13	15° \mathfrak{A} 40'14	0°50'14	max. Earth dist.	6351 Nov 26 10:21	11° \mathfrak{A} 42'12	1.40012 AU
minimum elong	6350 Dec 06 15:46	15° \mathfrak{A} 55'55	0°49'47	evening rise	6351 Nov 30 14:46	18° \mathfrak{A} 50'47	
desc. node	6350 Dec 13 15:42	27° \mathfrak{A} 57'36		desc. node	6351 Nov 30 12:44	18° \mathfrak{A} 42'19	
max. Earth dist.	6350 Dec 14 03:21	28° \mathfrak{A} 46'10	1.42052 AU		6351 Dec 07 11:54	0° \mathfrak{C}	
	6350 Dec 14 21:08	0° \mathfrak{C}			6351 Dec 28 14:58	0° \mathfrak{A}	
evening rise	6350 Dec 19 18:23	7° \mathfrak{C} 56'32		evening max el	6352 Jan 04 11:12	7° \mathfrak{A} 43'22	23°52'42
	6351 Jan 03 06:17	0° \mathfrak{A}		retrograde	6352 Jan 15 09:56	14° \mathfrak{A} 10'11	
evening max el	6351 Jan 21 20:52	24° \mathfrak{A} 01'38	22°32'42	evening set	6352 Jan 20 14:32	12° \mathfrak{A} 00'41	
retrograde	6351 Jan 31 16:44	29° \mathfrak{A} 52'04		asc. node	6352 Jan 21 19:34	10° \mathfrak{A} 52'16	
asc. node	6351 Feb 03 22:34	28° \mathfrak{A} 57'45		min. Earth dist.	6352 Jan 25 09:34	6° \mathfrak{A} 27'26	0.68063 AU
evening set	6351 Feb 05 08:57	27° \mathfrak{A} 57'26		inferior conj	6352 Jan 26 01:21	5° \mathfrak{A} 33'45	1°22'39
inferior conj	6351 Feb 10 17:31	21° \mathfrak{A} 34'36	2°06'03	minimum elong	6352 Jan 25 23:35	5° \mathfrak{A} 39'46	1°22'01
minimum elong	6351 Feb 10 15:14	21° \mathfrak{A} 42'29	2°05'21		6352 Jan 30 17:52	30° \mathfrak{R} \mathfrak{C}	
min. Earth dist.	6351 Feb 10 12:55	21° \mathfrak{A} 50'34	0.68229 AU	morning rise	6352 Jan 31 08:37	29° \mathfrak{C} 29'39	
morning rise	6351 Feb 15 21:24	15° \mathfrak{A} 25'16		direct	6352 Feb 04 09:35	27° \mathfrak{C} 57'19	
direct	6351 Feb 20 12:03	13° \mathfrak{A} 30'25			6352 Feb 09 12:30	0° \mathfrak{A}	
morning max el	6351 Mar 01 15:44	18° \mathfrak{A} 51'42	21°55'01	morning max el	6352 Feb 12 10:31	2° \mathfrak{A} 33'10	20°35'56
	6351 Mar 10 22:11	0° \mathfrak{H}		desc. node	6352 Feb 26 12:02	20° \mathfrak{A} 43'06	
desc. node	6351 Mar 11 15:01	0° \mathfrak{H} 56'42			6352 Mar 03 18:53	0° \mathfrak{H}	
	6351 Mar 31 07:07	0° \mathfrak{Y}		morning set	6352 Mar 12 12:22	13° \mathfrak{H} 19'56	
morning set	6351 Apr 03 08:41	4° \mathfrak{Y} 52'21		max. Earth dist.	6352 Mar 21 09:52	27° \mathfrak{H} 24'42	1.43288 AU
max. Earth dist.	6351 Apr 09 04:28	14° \mathfrak{Y} 24'01	1.41393 AU		6352 Mar 23 00:11	0° \mathfrak{Y}	
superior conj	6351 Apr 16 21:24	27° \mathfrak{Y} 36'50	-1°58'39	superior conj	6352 Mar 27 23:35	8° \mathfrak{Y} 12'15	-2°09'53
minimum elong	6351 Apr 17 02:11	27° \mathfrak{Y} 57'57	1°58'21	minimum elong	6352 Mar 28 00:44	8° \mathfrak{Y} 17'06	2°09'52
	6351 Apr 18 05:45	0° \mathfrak{B}		evening rise	6352 Apr 09 04:35	29° \mathfrak{Y} 14'51	
evening rise	6351 Apr 27 12:55	16° \mathfrak{B} 57'53			6352 Apr 09 14:50	0° \mathfrak{B}	
asc. node	6351 May 02 21:47	26° \mathfrak{B} 47'06		asc. node	6352 Apr 18 18:48	15° \mathfrak{B} 46'09	
	6351 May 04 17:44	0° \mathfrak{H}		evening max el	6352 Apr 26 06:39	25° \mathfrak{B} 53'10	18°06'18
evening max el	6351 May 13 18:25	12° \mathfrak{H} 46'43	18°13'27	retrograde	6352 May 02 18:39	29° \mathfrak{B} 14'38	
retrograde	6351 May 20 18:54	16° \mathfrak{H} 18'21		evening set	6352 May 05 11:53	28° \mathfrak{B} 38'52	
evening set	6351 May 23 05:05	15° \mathfrak{H} 53'51		inferior conj	6352 May 11 21:44	23° \mathfrak{B} 34'21	3°01'02
inferior conj	6351 May 30 06:17	11° \mathfrak{H} 09'21	2°13'57	minimum elong	6352 May 12 00:20	23° \mathfrak{B} 27'48	3°00'32
minimum elong	6351 May 30 09:36	11° \mathfrak{H} 02'02	2°13'00	min. Earth dist.	6352 May 14 22:43	20° \mathfrak{B} 31'11	0.61757 AU
min. Earth dist.	6351 Jun 02 15:46	8° \mathfrak{H} 11'27	0.59532 AU	morning rise	6352 May 18 10:54	17° \mathfrak{B} 33'11	

desc. node	6352 May 24 11:22	15°♄11'43		morning rise	6353 May 01 03:41	0°♄18'01	
direct	6352 May 25 05:18	15°♄10'01			6353 May 01 12:57	30°♄1'	
morning max el	6352 Jun 08 09:30	23°♄10'20	27°53'57	direct	6353 May 07 22:53	27°♄35'40	
	6352 Jun 14 11:15	0°♄		desc. node	6353 May 11 08:23	28°♄11'16	
	6352 Jul 03 23:25	0°♄			6353 May 15 00:59	0°♄	
morning set	6352 Jul 11 19:37	15°♄10'03		morning max el	6353 May 21 18:02	5°♄35'11	27°38'55
asc. node	6352 Jul 15 18:02	23°♄24'33			6353 Jun 09 06:27	0°♄	
max. Earth dist.	6352 Jul 17 12:37	27°♄13'55	1.32146 AU	morning set	6353 Jun 25 14:51	29°♄02'30	
	6352 Jul 18 19:07	0°♄			6353 Jun 26 02:24	0°♄	
				max. Earth dist.	6353 Jun 30 14:46	9°♄15'34	1.32924 AU
superior conj	6352 Jul 19 06:12	1°♄00'38	0°35'37	asc. node	6353 Jul 02 15:04	13°♄31'21	
minimum elong	6352 Jul 19 04:40	0°♄52'11	0°35'16				
evening rise	6352 Jul 26 02:11	15°♄54'42		superior conj	6353 Jul 03 12:44	15°♄27'18	0°09'19
	6352 Aug 02 01:06	0°♄		minimum elong	6353 Jul 03 12:16	15°♄24'51	0°09'11
desc. node	6352 Aug 20 10:36	26°♄37'43		behind sun begin	6353 Jul 03 07:51	15°♄01'08	
evening max el	6352 Aug 20 11:59	26°♄41'03	24°33'52	behind sun end	6353 Jul 03 16:42	15°♄48'36	
	6352 Aug 24 10:42	0°♄			6353 Jul 10 06:45	0°♄	
retrograde	6352 Sep 03 08:16	3°♄39'05		evening rise	6353 Jul 10 13:51	0°♄37'46	
evening set	6352 Sep 08 12:03	2°♄39'44			6353 Jul 27 00:06	0°♄	
	6352 Sep 13 16:57	30°♄1'		evening max el	6353 Aug 02 00:12	6°♄59'38	22°55'54
min. Earth dist.	6352 Sep 13 23:08	29°♄50'27	0.56746 AU	desc. node	6353 Aug 07 07:37	11°♄12'01	
inferior conj	6352 Sep 16 15:24	28°♄07'52	-5°24'34	retrograde	6353 Aug 15 07:30	13°♄38'18	
minimum elong	6352 Sep 16 15:50	28°♄07'11	5°24'34	evening set	6353 Aug 18 22:56	13°♄09'16	
morning rise	6352 Sep 24 21:53	24°♄03'43		min. Earth dist.	6353 Aug 26 08:36	9°♄50'02	0.55352 AU
direct	6352 Sep 27 12:58	23°♄44'48		inferior conj	6353 Aug 27 20:57	8°♄57'44	-5°02'27
morning max el	6352 Oct 07 00:54	28°♄12'57	19°29'00	minimum elong	6353 Aug 27 14:33	9°♄06'58	5°01'31
	6352 Oct 08 18:37	0°♄		morning rise	6353 Sep 05 08:19	5°♄07'42	
asc. node	6352 Oct 11 17:20	3°♄39'35		direct	6353 Sep 08 09:13	4°♄46'05	
morning set	6352 Oct 24 08:28	25°♄59'48		morning max el	6353 Sep 19 10:14	9°♄54'52	20°45'33
	6352 Oct 26 08:12	0°♄		asc. node	6353 Sep 28 14:22	21°♄44'09	
					6353 Oct 03 06:47	0°♄	
superior conj	6352 Nov 01 08:25	12°♄00'13	1°33'15	morning set	6353 Oct 08 15:41	10°♄41'07	
minimum elong	6352 Nov 01 10:46	12°♄11'43	1°33'06				
max. Earth dist.	6352 Nov 07 15:34	23°♄59'35	1.37885 AU	superior conj	6353 Oct 16 02:28	26°♄07'36	1°41'23
	6352 Nov 10 23:21	0°♄		minimum elong	6353 Oct 16 03:20	26°♄12'04	1°41'24
evening rise	6352 Nov 11 09:26	0°♄44'39			6353 Oct 18 00:14	0°♄	
desc. node	6352 Nov 16 09:46	9°♄20'36		max. Earth dist.	6353 Oct 20 23:54	5°♄55'16	1.35908 AU
	6352 Nov 29 17:58	0°♄		evening rise	6353 Oct 24 23:34	13°♄31'02	
evening max el	6352 Dec 17 00:15	21°♄28'27	25°09'24	desc. node	6353 Nov 03 06:47	29°♄48'01	
retrograde	6352 Dec 28 22:48	28°♄22'41			6353 Nov 03 09:42	0°♄	
evening set	6353 Jan 03 16:39	25°♄59'39			6353 Nov 24 15:36	0°♄	
asc. node	6353 Jan 07 16:35	21°♄37'45		evening max el	6353 Nov 29 13:07	5°♄12'40	26°15'27
min. Earth dist.	6353 Jan 08 04:05	21°♄00'48	0.67524 AU	retrograde	6353 Dec 12 06:36	12°♄23'55	
inferior conj	6353 Jan 09 06:57	19°♄33'14	0°32'07	evening set	6353 Dec 18 13:32	9°♄50'19	
minimum elong	6353 Jan 09 06:09	19°♄35'48	0°31'49	min. Earth dist.	6353 Dec 22 18:09	5°♄26'34	0.66621 AU
morning rise	6353 Jan 14 19:54	13°♄36'26		inferior conj	6353 Dec 24 08:23	3°♄29'23	-0°24'48
direct	6353 Jan 18 08:27	12°♄24'59		minimum elong	6353 Dec 24 09:03	3°♄27'20	0°24'28
morning max el	6353 Jan 25 13:18	16°♄26'09	19°30'18	asc. node	6353 Dec 25 13:38	2°♄00'58	
	6353 Feb 05 02:34	0°♄			6353 Dec 27 09:18	30°♄42'18	
greatest brilliancy	6353 Feb 07 13:10	3°♄35'33	-0.7m	morning rise	6353 Dec 30 05:13	27°♄42'18	
desc. node	6353 Feb 12 09:03	10°♄51'45		direct	6354 Jan 02 06:59	26°♄48'43	
morning set	6353 Feb 19 09:46	21°♄38'28			6354 Jan 08 12:03	0°♄	
	6353 Feb 24 19:12	0°♄		morning max el	6354 Jan 08 23:18	0°♄27'14	18°40'15
max. Earth dist.	6353 Mar 03 22:57	11°♄13'36	1.44655 AU		6354 Jan 29 10:43	0°♄	
				morning set	6354 Jan 30 01:12	0°♄57'03	
superior conj	6353 Mar 08 00:42	17°♄42'36	-2°04'04	desc. node	6354 Jan 30 06:03	1°♄16'11	
minimum elong	6353 Mar 07 19:21	17°♄21'12	2°03'50	max. Earth dist.	6354 Feb 14 16:59	25°♄31'56	1.45340 AU
	6353 Mar 15 14:27	0°♄					
evening rise	6353 Mar 22 00:00	10°♄37'56		superior conj	6354 Feb 15 07:19	26°♄28'10	-1°38'16
	6353 Apr 02 18:38	0°♄		minimum elong	6354 Feb 14 21:49	25°♄50'53	1°37'22
asc. node	6353 Apr 05 15:49	4°♄13'11			6354 Feb 17 13:18	0°♄	
evening max el	6353 Apr 09 19:39	9°♄14'59	18°17'56	evening rise	6354 Mar 02 20:12	21°♄03'34	
retrograde	6353 Apr 16 05:25	12°♄40'44			6354 Mar 08 10:11	0°♄	
evening set	6353 Apr 19 05:17	11°♄52'22		greatest brilliancy	6354 Mar 10 15:46	3°♄33'30	-0.9m
inferior conj	6353 Apr 25 03:52	6°♄29'00	3°24'12	asc. node	6354 Mar 23 12:51	21°♄57'57	
minimum elong	6353 Apr 25 05:00	6°♄25'48	3°24'05	evening max el	6354 Mar 24 06:42	22°♄44'51	18°47'38
min. Earth dist.	6353 Apr 27 14:45	3°♄42'49	0.63815 AU	retrograde	6354 Mar 30 23:08	26°♄27'47	

evening set	6354 Apr 03 05:50	25°♄26'02		inferior conj	6355 Mar 23 21:09	3°♄18'19	3°19'14
inferior conj	6354 Apr 08 20:46	19°♄45'30	3°28'53	minimum elong	6355 Mar 23 19:42	3°♄23'04	3°19'03
minimum elong	6354 Apr 08 20:26	19°♄46'31	3°28'50	min. Earth dist.	6355 Mar 25 01:31	1°♄44'45	0.66840 AU
min. Earth dist.	6354 Apr 10 16:05	17°♄31'32	0.65535 AU		6355 Mar 26 10:26	30°♄	
morning rise	6354 Apr 14 10:33	13°♄30'16		morning rise	6355 Mar 29 04:18	27°♄02'15	
direct	6354 Apr 20 23:41	10°♄41'33		direct	6355 Apr 04 06:51	24°♄19'03	
desc. node	6354 Apr 28 05:24	13°♄22'38			6355 Apr 14 20:49	0°♄	
morning max el	6354 May 04 04:20	18°♄29'12	26°51'25	desc. node	6355 Apr 15 02:25	0°♄13'05	
	6354 May 13 21:17	0°♄		morning max el	6355 Apr 16 14:09	1°♄40'27	25°39'48
	6354 Jun 02 05:58	0°♄			6355 May 07 23:00	0°♄	
morning set	6354 Jun 08 23:43	12°♄21'22		morning set	6355 May 22 18:09	24°♄55'46	
max. Earth dist.	6354 Jun 13 07:12	20°♄48'13	1.34173 AU		6355 May 25 11:50	0°♄	
				max. Earth dist.	6355 May 26 12:17	1°♄55'33	1.35879 AU
superior conj	6354 Jun 17 13:33	29°♄32'18	-0°19'47				
minimum elong	6354 Jun 17 14:37	29°♄37'54	0°19'36	superior conj	6355 Jun 01 06:04	13°♄09'10	-0°50'19
	6354 Jun 17 18:52	0°♄		minimum elong	6355 Jun 01 08:57	13°♄23'38	0°49'49
asc. node	6354 Jun 19 12:05	3°♄36'14		asc. node	6355 Jun 06 09:09	23°♄35'36	
evening rise	6354 Jun 24 23:56	15°♄11'32		evening rise	6355 Jun 09 06:19	29°♄30'11	
	6354 Jul 02 11:44	0°♄			6355 Jun 09 12:10	0°♄	
evening max el	6354 Jul 14 18:21	17°♄26'48	21°22'01	evening max el	6355 Jun 27 00:40	28°♄30'42	20°03'25
desc. node	6354 Jul 25 04:39	23°♄20'07			6355 Jun 28 16:01	0°♄	
retrograde	6354 Jul 26 21:30	23°♄27'04		retrograde	6355 Jul 07 11:52	3°♄38'54	
evening set	6354 Jul 29 07:10	23°♄13'46		evening set	6355 Jul 09 09:27	3°♄29'29	
inferior conj	6354 Aug 07 14:41	19°♄14'53	-3°47'13	desc. node	6355 Jul 12 01:42	2°♄46'44	
minimum elong	6354 Aug 07 05:35	19°♄27'37	3°44'36		6355 Jul 17 14:35	30°♄	
min. Earth dist.	6354 Aug 07 18:07	19°♄10'03	0.54752 AU	inferior conj	6355 Jul 18 10:36	29°♄30'07	-1°54'54
morning rise	6354 Aug 16 04:53	15°♄21'39		minimum elong	6355 Jul 18 05:15	29°♄38'08	1°52'58
direct	6354 Aug 19 18:07	14°♄54'28		min. Earth dist.	6355 Jul 20 05:55	28°♄25'12	0.55116 AU
morning max el	6354 Sep 01 07:55	20°♄51'18	22°20'52	morning rise	6355 Jul 26 23:25	25°♄12'48	
	6354 Sep 09 00:54	0°♄		direct	6355 Jul 31 05:53	24°♄33'03	
asc. node	6354 Sep 15 11:25	10°♄28'30			6355 Aug 12 12:21	0°♄	
morning set	6354 Sep 23 02:04	25°♄30'18		morning max el	6355 Aug 13 22:20	1°♄16'25	24°05'26
	6354 Sep 25 05:01	0°♄		asc. node	6355 Sep 02 08:27	29°♄42'41	
					6355 Sep 02 12:00	0°♄	
superior conj	6354 Sep 30 04:43	10°♄38'20	1°42'11	morning set	6355 Sep 07 13:44	10°♄21'45	
minimum elong	6354 Sep 30 04:14	10°♄35'47	1°42'12				
max. Earth dist.	6354 Oct 03 15:26	17°♄50'30	1.34247 AU	superior conj	6355 Sep 14 12:17	25°♄23'18	1°36'40
evening rise	6354 Oct 08 05:06	26°♄59'44		minimum elong	6355 Sep 14 10:46	25°♄15'07	1°36'34
	6354 Oct 09 18:33	0°♄		max. Earth dist.	6355 Sep 16 15:26	29°♄59'17	1.33006 AU
desc. node	6354 Oct 21 03:50	19°♄59'07			6355 Sep 16 15:34	0°♄	
	6354 Oct 27 17:14	0°♄		evening rise	6355 Sep 21 22:09	11°♄00'13	
evening max el	6354 Nov 12 01:57	18°♄48'32	27°03'37		6355 Oct 02 01:33	0°♄	
retrograde	6354 Nov 25 08:55	26°♄07'13		desc. node	6355 Oct 08 00:53	9°♄46'09	
evening set	6354 Dec 02 03:11	23°♄28'31			6355 Oct 23 11:32	0°♄	
min. Earth dist.	6354 Dec 06 01:34	19°♄39'42	0.65361 AU	evening max el	6355 Oct 25 13:38	2°♄04'38	27°26'51
inferior conj	6354 Dec 08 03:35	17°♄18'19	-1°26'55	retrograde	6355 Nov 08 05:04	9°♄22'55	
minimum elong	6354 Dec 08 06:07	17°♄11'09	1°25'49	evening set	6355 Nov 15 06:52	6°♄47'32	
asc. node	6354 Dec 12 10:42	12°♄59'32		min. Earth dist.	6355 Nov 19 00:16	3°♄31'14	0.63763 AU
morning rise	6354 Dec 14 10:11	11°♄43'36		inferior conj	6355 Nov 21 13:56	0°♄53'27	-2°32'21
direct	6354 Dec 17 03:10	11°♄04'07		minimum elong	6355 Nov 21 18:31	0°♄41'43	2°30'34
morning max el	6354 Dec 23 14:21	14°♄31'00	18°06'43		6355 Nov 22 10:58	30°♄	
	6355 Jan 03 17:20	0°♄		morning rise	6355 Nov 28 07:48	25°♄34'00	
morning set	6355 Jan 10 21:59	11°♄44'27		asc. node	6355 Nov 29 07:45	25°♄15'03	
desc. node	6355 Jan 17 03:03	21°♄51'54		direct	6355 Nov 30 18:21	25°♄04'44	
	6355 Jan 22 04:41	0°♄		morning max el	6355 Dec 07 07:26	28°♄29'15	17°50'20
					6355 Dec 08 17:16	0°♄	
superior conj	6355 Jan 25 13:15	5°♄19'40	-0°56'59	morning set	6355 Dec 23 21:57	23°♄50'57	
minimum elong	6355 Jan 25 06:24	4°♄52'33	0°56'04		6355 Dec 27 12:06	0°♄	
max. Earth dist.	6355 Jan 28 12:33	10°♄00'24	1.45281 AU	desc. node	6356 Jan 04 00:04	12°♄34'32	
	6355 Feb 10 08:32	0°♄					
evening rise	6355 Feb 10 19:05	0°♄40'54		superior conj	6356 Jan 05 12:57	15°♄05'48	-0°10'55
greatest brilliancy	6355 Feb 23 16:33	20°♄28'13	-0.7m	minimum elong	6356 Jan 05 11:45	15°♄00'52	0°10'41
	6355 Mar 02 07:54	0°♄		behind sun begin	6356 Jan 05 04:22	14°♄30'38	
evening max el	6355 Mar 07 13:47	6°♄18'51	19°34'11	behind sun end	6356 Jan 05 19:08	15°♄31'03	
asc. node	6355 Mar 10 09:55	8°♄48'17		max. Earth dist.	6356 Jan 11 06:42	24°♄20'56	1.44502 AU
retrograde	6355 Mar 14 20:31	10°♄29'39			6356 Jan 14 20:34	0°♄	
evening set	6355 Mar 18 10:50	9°♄13'56		evening rise	6356 Jan 21 06:11	9°♄56'03	

	6356 Feb 03 13:57	0°♄			6357 Jan 06 17:37	0°♁	
evening max el	6356 Feb 18 15:38	19°♄54'18	20°35'24		6357 Jan 28 07:12	0°♄	
asc. node	6356 Feb 25 06:59	24°♄29'09		evening max el	6357 Jan 31 12:08	3°♄31'32	21°47'48
retrograde	6356 Feb 26 18:54	24°♄40'58		retrograde	6357 Feb 09 16:21	8°♄58'04	
evening set	6356 Mar 01 18:08	23°♄10'32		asc. node	6357 Feb 11 04:01	8°♄46'28	
inferior conj	6356 Mar 07 02:17	17°♄02'11	2°58'09	evening set	6357 Feb 14 02:00	7°♄12'21	
minimum elong	6356 Mar 07 00:10	17°♄09'27	2°57'44	inferior conj	6357 Feb 19 09:57	0°♄54'02	2°27'32
min. Earth dist.	6356 Mar 07 16:57	16°♄11'54	0.67713 AU	minimum elong	6357 Feb 19 07:36	1°♄02'12	2°26'53
morning rise	6356 Mar 12 05:58	10°♄47'35		min. Earth dist.	6357 Feb 19 12:07	0°♄46'29	0.68164 AU
direct	6356 Mar 17 19:19	8°♄19'03			6357 Feb 20 01:31	30°♄	
morning max el	6356 Mar 28 22:51	14°♄59'07	24°14'10	morning rise	6357 Feb 24 13:01	24°♄42'29	
desc. node	6356 Mar 31 23:24	18°♄14'39		direct	6357 Mar 01 12:04	22°♄34'29	
	6356 Apr 10 05:41	0°♄		morning max el	6357 Mar 11 08:43	28°♄24'07	22°44'39
	6356 Apr 29 21:04	0°♄			6357 Mar 12 21:23	0°♄	
morning set	6356 May 03 16:49	6°♄30'57		desc. node	6357 Mar 18 20:25	7°♄07'33	
max. Earth dist.	6356 May 07 09:00	13°♄00'14	1.37944 AU		6357 Apr 03 22:38	0°♄	
				morning set	6357 Apr 14 13:49	16°♄51'17	
superior conj	6356 May 14 10:56	26°♄09'18	-1°20'19	max. Earth dist.	6357 Apr 19 05:06	24°♄38'13	1.40166 AU
minimum elong	6356 May 14 15:31	26°♄31'15	1°19'40		6357 Apr 22 07:28	0°♄	
	6356 May 16 10:45	0°♄					
evening rise	6356 May 23 06:28	13°♄26'36		superior conj	6357 Apr 26 23:52	8°♄21'46	-1°46'44
asc. node	6356 May 23 06:12	13°♄25'20		minimum elong	6357 Apr 27 05:11	8°♄45'59	1°46'14
	6356 Jun 01 03:45	0°♄		evening rise	6357 May 06 21:10	26°♄51'59	
evening max el	6356 Jun 08 19:33	10°♄18'53	19°04'39		6357 May 08 12:53	0°♄	
retrograde	6356 Jun 17 14:40	14°♄38'02		asc. node	6357 May 10 03:14	3°♄00'02	
evening set	6356 Jun 19 14:08	14°♄25'51		evening max el	6357 May 22 24:00	22°♄44'33	18°26'19
inferior conj	6356 Jun 27 21:51	10°♄12'55	0°00'38	retrograde	6357 May 30 12:28	26°♄28'46	
minimum elong	6356 Jun 27 21:52	10°♄12'53	0°00'35	evening set	6357 Jun 01 18:39	26°♄09'32	
transit middle	6356 Jun 27 21:52	10°♄12'53	0°00'35	inferior conj	6357 Jun 09 06:20	21°♄36'38	1°33'55
transit begin	6356 Jun 27 18:05	10°♄19'22		minimum elong	6357 Jun 09 09:16	21°♄30'43	1°32'56
transit end	6356 Jun 28 01:39	10°♄06'22		min. Earth dist.	6357 Jun 12 16:05	18°♄53'24	0.58287 AU
desc. node	6356 Jun 27 22:42	10°♄11'27		desc. node	6357 Jun 14 19:43	17°♄21'27	
min. Earth dist.	6356 Jun 30 20:50	8°♄11'45	0.56382 AU	morning rise	6357 Jun 16 20:40	16°♄09'49	
morning rise	6356 Jul 06 02:24	5°♄20'12		direct	6357 Jun 22 20:53	14°♄36'04	
direct	6356 Jul 11 06:26	4°♄17'36		morning max el	6357 Jul 07 06:10	22°♄17'50	27°01'52
morning max el	6356 Jul 25 11:58	11°♄36'19	25°44'25		6357 Jul 14 01:26	0°♄	
	6356 Aug 08 16:14	0°♄			6357 Aug 01 13:57	0°♄	
asc. node	6356 Aug 19 05:28	19°♄19'01		morning set	6357 Aug 06 10:26	9°♄52'02	
morning set	6356 Aug 22 01:05	25°♄10'59		asc. node	6357 Aug 06 02:30	9°♄10'15	
	6356 Aug 24 06:51	0°♄					
				superior conj	6357 Aug 13 10:45	25°♄08'05	1°09'37
superior conj	6356 Aug 28 22:58	10°♄15'41	1°25'37	minimum elong	6357 Aug 13 08:29	24°♄55'29	1°09'13
minimum elong	6356 Aug 28 20:51	10°♄04'01	1°25'20	max. Earth dist.	6357 Aug 13 09:00	24°♄58'24	1.31848 AU
max. Earth dist.	6356 Aug 29 22:23	12°♄24'34	1.32210 AU		6357 Aug 15 15:32	0°♄	
evening rise	6356 Sep 04 23:31	25°♄23'45		evening rise	6357 Aug 20 06:26	10°♄01'05	
	6356 Sep 07 05:31	0°♄			6357 Aug 30 12:33	0°♄	
desc. node	6356 Sep 23 21:56	28°♄59'17		desc. node	6357 Sep 10 18:57	17°♄23'59	
	6356 Sep 24 14:44	0°♄		evening max el	6357 Sep 19 00:28	26°♄47'17	26°37'54
evening max el	6356 Oct 06 22:07	14°♄48'38	27°19'15		6357 Sep 22 20:00	0°♄	
retrograde	6356 Oct 20 18:01	22°♄01'50		retrograde	6357 Oct 02 22:26	3°♄55'06	
evening set	6356 Oct 27 21:07	19°♄40'33		evening set	6357 Oct 09 17:26	1°♄59'18	
min. Earth dist.	6356 Oct 31 12:40	16°♄50'31	0.61888 AU		6357 Oct 12 18:51	30°♄	
inferior conj	6356 Nov 03 12:25	14°♄07'30	-3°37'29	min. Earth dist.	6357 Oct 13 14:13	29°♄23'46	0.59835 AU
minimum elong	6356 Nov 03 18:41	13°♄53'12	3°35'27	inferior conj	6357 Oct 16 19:31	26°♄50'25	-4°35'46
morning rise	6356 Nov 10 18:14	9°♄06'33		minimum elong	6357 Oct 17 02:02	26°♄37'26	4°34'18
direct	6356 Nov 13 01:18	8°♄43'49		morning rise	6357 Oct 24 12:47	22°♄11'17	
asc. node	6356 Nov 15 04:46	9°♄04'21		direct	6357 Oct 26 19:53	21°♄51'59	
morning max el	6356 Nov 19 23:24	12°♄14'12	17°52'00	asc. node	6357 Nov 02 01:46	24°♄23'06	
	6356 Dec 01 21:47	0°♄		morning max el	6357 Nov 03 10:55	25°♄36'39	18°13'04
morning set	6356 Dec 05 18:42	6°♄56'55			6357 Nov 07 04:35	0°♄	
				morning set	6357 Nov 19 06:08	20°♄43'58	
superior conj	6356 Dec 16 14:33	26°♄07'15	0°30'29		6357 Nov 24 04:08	0°♄	
minimum elong	6356 Dec 16 17:11	26°♄18'32	0°30'08				
	6356 Dec 18 21:14	0°♄		superior conj	6357 Nov 28 16:35	8°♄19'12	1°02'39
desc. node	6356 Dec 20 21:07	3°♄20'47		minimum elong	6357 Nov 28 20:19	8°♄36'06	1°02'12
max. Earth dist.	6356 Dec 23 21:35	8°♄19'27	1.43094 AU	max. Earth dist.	6357 Dec 06 07:47	21°♄42'05	1.41214 AU
evening rise	6356 Dec 30 21:03	19°♄28'08		desc. node	6357 Dec 07 18:10	24°♄06'54	

evening rise	6357 Dec 11 04:40	29° ♄ 47'23		desc. node	6358 Nov 24 15:10	14° ♄ 49'10	
	6357 Dec 11 07:46	0° ♄			6358 Dec 04 03:26	0° ♄	
	6357 Dec 31 06:12	0° ♄			6358 Dec 26 20:15	0° ♄	
evening max el	6358 Jan 14 04:12	17° ♄ 11'16	23°06'43	evening max el	6358 Dec 27 17:34	0° ♄ 53'51	24°26'11
retrograde	6358 Jan 24 11:23	23° ♄ 17'23		retrograde	6359 Jan 08 02:53	7° ♄ 33'56	
evening set	6358 Jan 29 08:52	21° ♄ 16'10		evening set	6359 Jan 13 13:10	5° ♄ 18'07	
asc. node	6358 Jan 29 01:01	21° ♄ 32'07		asc. node	6359 Jan 15 22:02	2° ♄ 53'04	
inferior conj	6358 Feb 03 18:14	14° ♄ 51'17	1°48'34	min. Earth dist.	6359 Jan 18 04:43	29° ♄ 59'39	0.67873 AU
minimum elong	6358 Feb 03 16:06	14° ♄ 58'35	1°47'52		6359 Jan 18 04:37	30° ♄	
min. Earth dist.	6358 Feb 03 08:47	15° ♄ 23'50	0.68209 AU	inferior conj	6359 Jan 19 01:18	28° ♄ 50'44	1°02'03
morning rise	6358 Feb 08 23:17	8° ♄ 44'14		minimum elong	6359 Jan 18 23:54	28° ♄ 55'27	1°01'31
direct	6358 Feb 13 08:03	6° ♄ 59'02		morning rise	6359 Jan 24 10:44	22° ♄ 49'43	
morning max el	6358 Feb 21 23:31	11° ♄ 59'22	21°20'03	direct	6359 Jan 28 06:10	21° ♄ 26'47	
desc. node	6358 Mar 05 17:26	26° ♄ 37'41		morning max el	6359 Feb 04 21:46	25° ♄ 46'28	20°06'20
	6358 Mar 08 02:40	0° ♄			6359 Feb 08 16:14	0° ♄	
morning set	6358 Mar 25 06:47	25° ♄ 54'06		desc. node	6359 Feb 20 14:26	16° ♄ 34'23	
	6358 Mar 27 20:40	0° ♄			6359 Mar 01 11:55	0° ♄	
max. Earth dist.	6358 Apr 01 06:57	7° ♄ 10'55	1.42254 AU	morning set	6359 Mar 04 04:47	4° ♄ 09'21	
				max. Earth dist.	6359 Mar 14 15:53	20° ♄ 34'26	1.43940 AU
superior conj	6358 Apr 08 16:02	19° ♄ 35'40	-2°05'08	superior conj	6359 Mar 20 07:23	29° ♄ 42'31	-2°09'48
minimum elong	6358 Apr 08 19:45	19° ♄ 51'39	2°04'59	minimum elong	6359 Mar 20 05:58	29° ♄ 36'39	2°09'46
	6358 Apr 14 14:24	0° ♄			6359 Mar 20 11:39	0° ♄	
evening rise	6358 Apr 19 22:36	9° ♄ 37'37		evening rise	6359 Apr 02 06:13	21° ♄ 33'07	
asc. node	6358 Apr 27 00:16	22° ♄ 14'27			6359 Apr 07 03:54	0° ♄	
	6358 May 01 20:35	0° ♄		asc. node	6359 Apr 13 21:17	11° ♄ 01'17	
evening max el	6358 May 06 10:22	5° ♄ 38'58	18°07'58	evening max el	6359 Apr 19 23:14	18° ♄ 52'48	18°08'55
retrograde	6358 May 13 04:11	9° ♄ 04'35		retrograde	6359 Apr 26 09:18	22° ♄ 14'48	
evening set	6358 May 15 17:26	8° ♄ 35'28		evening set	6359 Apr 29 05:15	21° ♄ 33'57	
inferior conj	6358 May 22 11:34	3° ♄ 41'58	2°37'13	inferior conj	6359 May 05 09:50	16° ♄ 21'10	3°13'26
minimum elong	6358 May 22 14:44	3° ♄ 34'31	2°36'26	minimum elong	6359 May 05 11:50	16° ♄ 15'50	3°13'07
min. Earth dist.	6358 May 25 18:15	0° ♄ 39'06	0.60485 AU	min. Earth dist.	6359 May 08 05:12	13° ♄ 22'42	0.62664 AU
	6358 May 26 12:15	30° ♄		morning rise	6359 May 11 16:55	10° ♄ 14'35	
morning rise	6358 May 29 09:37	27° ♄ 50'04		direct	6359 May 18 12:26	7° ♄ 41'46	
desc. node	6358 Jun 01 16:43	26° ♄ 14'56		desc. node	6359 May 19 13:44	7° ♄ 45'10	
direct	6358 Jun 04 23:34	25° ♄ 43'32		morning max el	6359 Jun 01 13:45	15° ♄ 43'41	27°51'54
	6358 Jun 15 04:04	0° ♄			6359 Jun 13 06:04	0° ♄	
morning max el	6358 Jun 19 07:09	3° ♄ 39'34	27°45'53	morning set	6359 Jul 01 08:25	0° ♄	
	6358 Jul 08 16:50	0° ♄			6359 Jul 05 15:51	8° ♄ 27'39	
morning set	6358 Jul 21 16:04	24° ♄ 19'47		asc. node	6359 Jul 10 20:33	19° ♄ 17'24	
asc. node	6358 Jul 23 23:31	29° ♄ 11'18		max. Earth dist.	6359 Jul 11 01:40	19° ♄ 44'47	1.32418 AU
	6358 Jul 24 08:39	0° ♄					
max. Earth dist.	6358 Jul 27 19:26	7° ♄ 29'23	1.31914 AU	superior conj	6359 Jul 13 06:43	24° ♄ 31'11	0°24'50
superior conj	6358 Jul 28 21:56	9° ♄ 55'09	0°49'11	minimum elong	6359 Jul 13 05:35	24° ♄ 24'58	0°24'34
minimum elong	6358 Jul 28 19:58	9° ♄ 44'24	0°48'47		6359 Jul 15 19:02	0° ♄	
evening rise	6358 Aug 04 16:44	24° ♄ 45'35		evening rise	6359 Jul 20 04:26	9° ♄ 30'56	
	6358 Aug 07 04:35	0° ♄			6359 Jul 30 16:43	0° ♄	
	6358 Aug 24 19:27	0° ♄		evening max el	6359 Aug 13 07:25	18° ♄ 24'35	23°52'37
desc. node	6358 Aug 28 15:58	4° ♄ 41'10		desc. node	6359 Aug 15 12:59	20° ♄ 24'38	
evening max el	6358 Aug 31 18:51	7° ♄ 55'25	25°25'32	retrograde	6359 Aug 27 00:11	25° ♄ 17'20	
retrograde	6358 Sep 14 17:01	14° ♄ 58'48		evening set	6359 Aug 31 12:37	24° ♄ 32'22	
evening set	6358 Sep 20 15:06	13° ♄ 37'44		min. Earth dist.	6359 Sep 06 17:46	21° ♄ 31'53	0.56067 AU
min. Earth dist.	6358 Sep 25 06:36	10° ♄ 59'04	0.57798 AU	inferior conj	6359 Sep 09 00:10	20° ♄ 09'14	-5°21'36
inferior conj	6358 Sep 28 07:56	8° ♄ 52'50	-5°15'57	minimum elong	6359 Sep 08 21:38	20° ♄ 13'06	5°21'27
minimum elong	6358 Sep 28 11:40	8° ♄ 46'22	5°15'36	morning rise	6359 Sep 17 09:02	16° ♄ 12'50	
morning rise	6358 Oct 06 10:32	4° ♄ 37'04		direct	6359 Sep 20 03:45	15° ♄ 53'12	
direct	6358 Oct 08 21:35	4° ♄ 18'42		morning max el	6359 Sep 30 07:16	20° ♄ 37'34	19°59'02
morning max el	6358 Oct 17 14:34	8° ♄ 27'28	18°55'02	asc. node	6359 Oct 06 19:51	28° ♄ 34'55	
asc. node	6358 Oct 19 22:48	10° ♄ 58'19			6359 Oct 07 18:12	0° ♄	
	6358 Oct 31 14:22	0° ♄		morning set	6359 Oct 18 08:13	19° ♄ 33'25	
morning set	6358 Nov 03 03:43	4° ♄ 59'05			6359 Oct 23 10:58	0° ♄	
superior conj	6358 Nov 11 14:03	21° ♄ 27'22	1°24'47	superior conj	6359 Oct 26 01:54	5° ♄ 17'31	1°37'40
minimum elong	6358 Nov 11 17:08	21° ♄ 42'06	1°24'31	minimum elong	6359 Oct 26 03:37	5° ♄ 26'09	1°37'36
	6358 Nov 16 03:49	0° ♄		max. Earth dist.	6359 Oct 31 19:07	16° ♄ 25'05	1.37005 AU
max. Earth dist.	6358 Nov 18 13:35	4° ♄ 20'40	1.39097 AU	evening rise	6359 Nov 04 14:03	23° ♄ 24'42	
evening rise	6358 Nov 22 10:34	11° ♄ 06'36			6359 Nov 08 07:39	0° ♄	

desc. node	6359 Nov 11 12:12	5°♊23'50		morning set	6360 Oct 01 17:03	4°♎19'00	
	6359 Nov 27 20:58	0°♋					
evening max el	6359 Dec 10 06:19	14°♋39'12	25°39'15	superior conj	6360 Oct 08 23:51	19°♎36'19	1°42'33
retrograde	6359 Dec 22 13:54	21°♋42'54		minimum elong	6360 Oct 09 00:07	19°♎37'43	1°42'34
evening set	6359 Dec 28 13:19	19°♋14'46		max. Earth dist.	6360 Oct 13 06:02	28°♎17'51	1.35156 AU
min. Earth dist.	6360 Jan 01 21:43	14°♋30'43	0.67177 AU		6360 Oct 14 02:35	0°♎	
asc. node	6360 Jan 02 19:04	13°♋22'46		evening rise	6360 Oct 17 11:18	6°♎31'09	
inferior conj	6360 Jan 03 05:24	12°♋49'46	0°08'43	desc. node	6360 Oct 28 09:14	25°♎45'19	
minimum elong	6360 Jan 03 05:10	12°♋50'29	0°08'39		6360 Oct 31 00:49	0°♊	
transit middle	6360 Jan 03 05:10	12°♋50'29	0°08'39	evening max el	6360 Nov 21 19:22	28°♊21'40	26°38'38
transit begin	6360 Jan 03 02:48	12°♋58'04			6360 Nov 23 14:02	0°♋	
transit end	6360 Jan 03 07:33	12°♋42'55		retrograde	6360 Dec 04 19:31	5°♋37'16	
morning rise	6360 Jan 08 21:27	6°♋56'44		evening set	6360 Dec 11 07:24	3°♋00'59	
direct	6360 Jan 12 05:04	5°♋53'28			6360 Dec 14 09:33	30°♊♊	
morning max el	6360 Jan 19 03:53	9°♋44'02	19°07'02	min. Earth dist.	6360 Dec 15 09:23	28°♊51'51	0.66125 AU
greatest brilliancy	6360 Feb 01 22:34	28°♋20'27	-0.8m	inferior conj	6360 Dec 17 04:30	26°♊43'48	-0°50'35
	6360 Feb 03 00:42	0°♌		minimum elong	6360 Dec 17 05:54	26°♊39'36	0°49'57
desc. node	6360 Feb 07 11:28	6°♌50'37		asc. node	6360 Dec 19 16:08	23°♊54'30	
morning set	6360 Feb 11 07:14	12°♌46'13		morning rise	6360 Dec 23 05:14	21°♊01'20	
	6360 Feb 22 08:31	0°♍		direct	6360 Dec 26 02:59	20°♊14'11	
max. Earth dist.	6360 Feb 25 06:50	4°♍35'59	1.45031 AU	morning max el	6361 Jan 01 16:16	23°♊46'46	18°23'51
					6361 Jan 06 19:14	0°♋	
superior conj	6360 Feb 27 23:09	8°♍49'41	-1°55'31	morning set	6361 Jan 21 10:45	22°♋41'53	
minimum elong	6360 Feb 27 15:20	8°♍18'46	1°54'59	desc. node	6361 Jan 24 08:30	27°♋20'29	
	6360 Mar 12 02:57	0°♎			6361 Jan 26 00:33	0°♌	
evening rise	6360 Mar 13 15:54	2°♎31'27					
asc. node	6360 Mar 30 18:19	29°♎11'58		superior conj	6361 Feb 06 02:55	17°♌30'56	-1°22'06
	6360 Mar 31 09:49	0°♏		minimum elong	6361 Feb 05 17:46	16°♌55'02	1°21'03
evening max el	6360 Apr 02 11:43	2°♏18'55	18°28'27	max. Earth dist.	6361 Feb 07 01:37	18°♌59'52	1.45407 AU
retrograde	6360 Apr 08 23:24	5°♏50'35			6361 Feb 14 02:14	0°♍	
evening set	6360 Apr 12 02:03	4°♏56'45		evening rise	6361 Feb 22 02:19	12°♍34'09	
	6360 Apr 17 09:29	30°♎♎		greatest brilliancy	6361 Mar 04 07:28	28°♍36'04	-0.8m
inferior conj	6360 Apr 17 21:00	29°♎26'09	3°28'08		6361 Mar 05 05:15	0°♎	
minimum elong	6360 Apr 17 21:29	29°♎24'44	3°28'05	evening max el	6361 Mar 16 21:23	15°♎51'43	19°05'35
min. Earth dist.	6360 Apr 20 01:25	26°♎51'53	0.64596 AU	asc. node	6361 Mar 17 15:21	16°♎35'41	
morning rise	6360 Apr 23 16:07	23°♎12'42		retrograde	6361 Mar 23 18:55	19°♎44'57	
direct	6360 Apr 30 09:31	20°♎25'41		evening set	6361 Mar 27 04:47	18°♎37'18	
desc. node	6360 May 05 10:46	21°♎44'41		inferior conj	6361 Apr 01 17:26	12°♎50'21	3°26'18
morning max el	6360 May 13 23:19	28°♎22'27	27°22'07	minimum elong	6361 Apr 01 16:36	12°♎53'04	3°26'14
	6360 May 15 12:45	0°♏		min. Earth dist.	6361 Apr 03 06:20	10°♎52'52	0.66144 AU
	6360 Jun 06 01:06	0°♐		morning rise	6361 Apr 07 04:01	6°♎34'42	
morning set	6360 Jun 18 07:09	22°♐07'29		direct	6361 Apr 13 13:16	3°♎46'49	
	6360 Jun 22 05:35	0°♑		desc. node	6361 Apr 22 07:48	7°♎42'17	
max. Earth dist.	6360 Jun 22 23:48	1°♑33'32	1.33393 AU	morning max el	6361 Apr 26 09:22	11°♎24'44	26°23'21
					6361 May 11 04:49	0°♏	
superior conj	6360 Jun 26 11:09	8°♑49'55	-0°02'47		6361 May 29 15:22	0°♐	
minimum elong	6360 Jun 26 11:18	8°♑50'42	0°02'47	morning set	6361 Jun 01 10:30	5°♐09'44	
behind sun begin	6360 Jun 26 05:52	8°♑21'56		max. Earth dist.	6361 Jun 05 11:17	12°♐54'09	1.34845 AU
behind sun end	6360 Jun 26 16:43	9°♑19'31					
asc. node	6360 Jun 26 17:37	9°♑24'15		superior conj	6361 Jun 10 08:53	22°♐45'05	-0°32'37
evening rise	6360 Jul 03 15:41	24°♑10'56		minimum elong	6361 Jun 10 10:43	22°♐54'26	0°32'17
	6360 Jul 06 10:54	0°♒		asc. node	6361 Jun 13 14:38	29°♐27'51	
evening max el	6360 Jul 24 21:17	28°♒43'36	22°14'43		6361 Jun 13 20:48	0°♑	
	6360 Jul 26 06:11	0°♓		evening rise	6361 Jun 18 00:31	8°♑40'02	
desc. node	6360 Aug 01 10:01	4°♓01'02			6361 Jun 29 11:04	0°♒	
retrograde	6360 Aug 06 18:53	5°♓08'10		evening max el	6361 Jul 06 20:25	9°♒25'39	20°46'22
evening set	6360 Aug 09 19:33	4°♓47'53		retrograde	6361 Jul 18 07:01	15°♒03'50	
min. Earth dist.	6360 Aug 18 03:20	1°♓11'33	0.54981 AU	desc. node	6361 Jul 19 07:03	15°♒01'23	
inferior conj	6360 Aug 18 23:25	0°♓43'15	-4°36'48	evening set	6361 Jul 20 09:34	14°♒53'09	
minimum elong	6360 Aug 18 15:02	0°♓55'05	4°35'01	inferior conj	6361 Jul 29 16:18	10°♒56'14	-3°02'17
	6360 Aug 20 06:18	30°♓♓		minimum elong	6361 Jul 29 08:12	11°♒07'45	2°59'37
morning rise	6360 Aug 27 12:12	26°♓54'00		min. Earth dist.	6361 Jul 30 13:36	10°♓25'54	0.54794 AU
direct	6360 Aug 30 17:50	26°♓30'30		morning rise	6361 Aug 07 06:39	6°♓55'11	
	6360 Sep 09 02:09	0°♓		direct	6361 Aug 11 02:50	6°♓23'33	
morning max el	6360 Sep 11 11:24	2°♓00'02	21°24'09	morning max el	6361 Aug 24 05:08	12°♓40'38	23°04'50
asc. node	6360 Sep 22 16:54	16°♓58'13			6361 Sep 06 06:06	0°♓	
	6360 Sep 29 14:40	0°♔		asc. node	6361 Sep 09 13:58	5°♓56'57	

morning set	6361 Sep 16 04:13	19° \mathbb{M} 10'15		morning set	6362 Aug 29 17:53	0° \mathbb{M}	
	6361 Sep 21 05:24	0° \mathbb{L}			6362 Aug 31 15:58	4° \mathbb{M} 01'36	
superior conj	6361 Sep 23 04:40	4° \mathbb{L} 14'17	1°40'34	superior conj	6362 Sep 07 13:48	19° \mathbb{M} 03'07	1°32'37
minimum elong	6361 Sep 23 03:43	4° \mathbb{L} 09'08	1°40'32	minimum elong	6362 Sep 07 11:59	18° \mathbb{M} 53'11	1°32'26
max. Earth dist.	6361 Sep 26 01:29	10° \mathbb{L} 19'20	1.33677 AU	max. Earth dist.	6362 Sep 09 04:58	22° \mathbb{M} 36'27	1.32618 AU
evening rise	6361 Sep 30 22:14	20° \mathbb{L} 15'04			6362 Sep 12 15:52	0° \mathbb{L}	
	6361 Oct 06 00:46	0° \mathbb{M}		evening rise	6362 Sep 14 19:09	4° \mathbb{L} 26'14	
desc. node	6361 Oct 15 06:15	15° \mathbb{M} 47'20			6362 Sep 28 17:14	0° \mathbb{M}	
	6361 Oct 25 00:38	0° \mathbb{X}		desc. node	6362 Oct 02 03:18	5° \mathbb{M} 21'35	
evening max el	6361 Nov 04 08:09	11° \mathbb{X} 51'26	27°16'53	evening max el	6362 Oct 17 18:44	24° \mathbb{M} 55'29	27°27'32
retrograde	6361 Nov 17 19:03	19° \mathbb{X} 09'42			6362 Oct 24 08:17	0° \mathbb{X}	
evening set	6361 Nov 24 17:07	16° \mathbb{X} 31'33		retrograde	6362 Oct 31 12:03	2° \mathbb{X} 11'30	
min. Earth dist.	6361 Nov 28 13:19	12° \mathbb{X} 56'54	0.64727 AU		6362 Nov 07 04:03	30° \mathbb{R} \mathbb{M}	
inferior conj	6361 Nov 30 20:16	10° \mathbb{X} 27'47	-1°54'26	evening set	6362 Nov 07 15:34	29° \mathbb{M} 40'31	
minimum elong	6361 Nov 30 23:40	10° \mathbb{X} 18'32	1°53'00	min. Earth dist.	6362 Nov 11 07:36	26° \mathbb{M} 36'45	0.63002 AU
asc. node	6361 Dec 06 13:13	5° \mathbb{X} 21'59		inferior conj	6362 Nov 14 01:58	23° \mathbb{M} 55'09	-3°00'18
morning rise	6361 Dec 07 07:29	4° \mathbb{X} 58'56		minimum elong	6362 Nov 14 07:21	23° \mathbb{M} 41'59	2°58'20
direct	6361 Dec 09 21:31	4° \mathbb{X} 24'07		morning rise	6362 Nov 21 00:54	18° \mathbb{M} 43'23	
morning max el	6361 Dec 16 08:29	7° \mathbb{X} 48'42	17°57'33	direct	6362 Nov 23 09:41	18° \mathbb{M} 17'13	
	6361 Dec 31 09:06	0° \mathbb{Z}		asc. node	6362 Nov 23 10:15	18° \mathbb{M} 17'13	
morning set	6362 Jan 02 19:47	4° \mathbb{Z} 05'20		morning max el	6362 Nov 30 01:32	21° \mathbb{M} 42'50	17°48'48
desc. node	6362 Jan 11 05:30	17° \mathbb{Z} 59'35			6362 Dec 06 09:50	0° \mathbb{X}	
				morning set	6362 Dec 16 05:25	16° \mathbb{X} 40'01	
superior conj	6362 Jan 16 14:29	26° \mathbb{Z} 40'12	-0°37'21		6362 Dec 23 21:42	0° \mathbb{Z}	
minimum elong	6362 Jan 16 10:01	26° \mathbb{Z} 22'22	0°36'40				
	6362 Jan 18 16:38	0° \mathbb{X}		superior conj	6362 Dec 28 00:58	6° \mathbb{Z} 58'28	0°07'38
max. Earth dist.	6362 Jan 20 21:23	3° \mathbb{X} 28'43	1.45039 AU	minimum elong	6362 Dec 28 01:44	7° \mathbb{Z} 01'42	0°07'33
evening rise	6362 Feb 01 18:31	21° \mathbb{X} 57'51		behind sun begin	6362 Dec 27 17:30	6° \mathbb{Z} 27'18	
	6362 Feb 07 00:20	0° \mathbb{X}		behind sun end	6362 Dec 28 09:59	7° \mathbb{Z} 36'01	
greatest brilliancy	6362 Feb 16 05:11	13° \mathbb{X} 50'45	-0.6m	desc. node	6362 Dec 29 02:31	8° \mathbb{Z} 44'33	
evening max el	6362 Feb 28 02:21	29° \mathbb{X} 26'31	19°58'39	max. Earth dist.	6363 Jan 03 14:49	17° \mathbb{Z} 43'42	1.43972 AU
	6362 Feb 28 15:46	0° \mathbb{Y}			6363 Jan 11 09:40	0° \mathbb{X}	
asc. node	6362 Mar 04 12:25	2° \mathbb{Y} 58'26		evening rise	6363 Jan 12 05:19	1° \mathbb{X} 15'59	
retrograde	6362 Mar 07 16:56	3° \mathbb{Y} 51'27			6363 Jan 31 15:08	0° \mathbb{X}	
evening set	6362 Mar 11 10:59	2° \mathbb{Y} 29'19		evening max el	6363 Feb 11 01:46	13° \mathbb{X} 02'28	21°05'01
	6362 Mar 14 01:33	30° \mathbb{R} \mathbb{X}		asc. node	6363 Feb 19 09:27	18° \mathbb{X} 05'48	
inferior conj	6362 Mar 16 20:06	26° \mathbb{X} 27'57	3°11'33	retrograde	6363 Feb 19 15:14	18° \mathbb{X} 06'06	
minimum elong	6362 Mar 16 18:19	26° \mathbb{X} 33'56	3°11'16	evening set	6363 Feb 23 18:44	16° \mathbb{X} 29'03	
min. Earth dist.	6362 Mar 17 18:24	25° \mathbb{X} 12'58	0.67263 AU	inferior conj	6363 Mar 01 02:33	10° \mathbb{X} 15'48	2°46'16
morning rise	6362 Mar 22 01:25	20° \mathbb{X} 12'33		minimum elong	6363 Mar 01 00:17	10° \mathbb{X} 23'40	2°45'44
direct	6362 Mar 27 22:35	17° \mathbb{X} 34'53		min. Earth dist.	6363 Mar 01 11:41	9° \mathbb{X} 44'13	0.67952 AU
morning max el	6362 Apr 08 18:34	24° \mathbb{X} 39'35	25°04'37	morning rise	6363 Mar 06 05:38	4° \mathbb{X} 02'21	
desc. node	6362 Apr 09 04:49	25° \mathbb{X} 05'48		direct	6363 Mar 11 12:51	1° \mathbb{X} 42'21	
	6362 Apr 13 14:05	0° \mathbb{Y}		morning max el	6363 Mar 22 03:35	8° \mathbb{X} 01'44	23°36'05
	6362 May 04 15:47	0° \mathbb{Z}		desc. node	6363 Mar 27 01:49	13° \mathbb{X} 31'29	
morning set	6362 May 14 21:11	17° \mathbb{Z} 20'30			6363 Apr 08 07:48	0° \mathbb{Y}	
max. Earth dist.	6362 May 18 12:31	23° \mathbb{Z} 58'15	1.36724 AU	morning set	6363 Apr 26 09:34	28° \mathbb{Y} 25'25	
	6362 May 21 17:14	0° \mathbb{I}			6363 Apr 27 07:46	0° \mathbb{Z}	
superior conj	6362 May 24 20:53	6° \mathbb{I} 07'27	-1°03'13	max. Earth dist.	6363 Apr 30 08:11	5° \mathbb{Z} 13'57	1.38885 AU
minimum elong	6362 May 25 00:32	6° \mathbb{I} 25'26	1°02'38				
asc. node	6362 May 31 11:39	19° \mathbb{I} 23'43		superior conj	6363 May 07 19:27	18° \mathbb{Z} 48'05	-1°32'11
evening rise	6362 Jun 02 04:34	22° \mathbb{I} 50'21		minimum elong	6363 May 08 00:32	19° \mathbb{Z} 11'56	1°31'33
	6362 Jun 05 19:16	0° \mathbb{Z}			6363 May 13 15:59	0° \mathbb{I}	
evening max el	6362 Jun 19 08:10	20° \mathbb{Z} 47'57	19°35'51	evening rise	6363 May 17 01:06	6° \mathbb{I} 34'35	
retrograde	6362 Jun 29 01:30	25° \mathbb{Z} 34'21		asc. node	6363 May 18 08:40	9° \mathbb{I} 07'34	
evening set	6362 Jun 30 22:55	25° \mathbb{Z} 24'17			6363 May 30 17:46	0° \mathbb{Z}	
desc. node	6362 Jul 06 04:05	23° \mathbb{Z} 27'15		evening max el	6363 Jun 02 07:26	2° \mathbb{Z} 52'26	18°45'50
inferior conj	6362 Jul 09 17:24	21° \mathbb{Z} 19'56	-1°04'24	retrograde	6363 Jun 10 12:23	6° \mathbb{Z} 55'13	
minimum elong	6362 Jul 09 14:28	21° \mathbb{Z} 24'34	1°03'20	evening set	6363 Jun 12 14:16	6° \mathbb{Z} 40'36	
min. Earth dist.	6362 Jul 12 02:13	19° \mathbb{Z} 50'26	0.55560 AU	inferior conj	6363 Jun 20 13:23	2° \mathbb{Z} 19'25	0°43'43
morning rise	6362 Jul 18 03:39	16° \mathbb{Z} 48'31		minimum elong	6363 Jun 20 15:01	2° \mathbb{Z} 16'24	0°43'05
direct	6362 Jul 22 18:57	16° \mathbb{Z} 00'35		desc. node	6363 Jun 23 01:06	0° \mathbb{Z} 59'33	
morning max el	6362 Aug 05 18:25	22° \mathbb{Z} 59'44	24°49'12		6363 Jun 23 17:41	30° \mathbb{R} \mathbb{I}	
	6362 Aug 12 00:54	0° \mathbb{Q}		min. Earth dist.	6363 Jun 23 18:51	29° \mathbb{I} 57'56	0.57129 AU
asc. node	6362 Aug 27 10:59	25° \mathbb{Q} 21'28		morning rise	6363 Jun 28 12:21	27° \mathbb{I} 11'01	
				direct	6363 Jul 04 01:13	25° \mathbb{I} 56'00	

	6363 Jul 14 09:31	0°☿		morning max el	6364 Jun 29 06:41	14°☿23'53	27°25'08
morning max el	6363 Jul 18 09:41	3°☿26'25	26°20'54		6364 Jul 11 19:24	0°☿	
	6363 Aug 06 12:12	0°♊			6364 Jul 28 19:09	0°♊	
asc. node	6363 Aug 14 07:59	15°♊04'46		morning set	6364 Jul 30 10:40	3°♊24'37	
morning set	6363 Aug 16 02:39	18°♊48'05		asc. node	6364 Jul 31 04:59	5°♊01'02	
	6363 Aug 21 06:24	0°♋		max. Earth dist.	6364 Aug 06 00:38	17°♊39'48	1.31814 AU
superior conj	6363 Aug 23 01:10	3°♋56'18	1°19'24	superior conj	6364 Aug 06 12:56	18°♊47'50	1°01'29
minimum elong	6363 Aug 22 22:55	3°♋43'55	1°19'04	minimum elong	6364 Aug 06 10:44	18°♊35'41	1°01'04
max. Earth dist.	6363 Aug 23 13:47	5°♋06'01	1.31998 AU		6364 Aug 11 15:10	0°♋	
evening rise	6363 Aug 29 23:08	18°♋56'15		evening rise	6364 Aug 13 07:45	3°♋37'57	
	6363 Sep 04 10:57	0°♌			6364 Aug 27 07:38	0°♌	
desc. node	6363 Sep 19 00:19	24°♌16'18		desc. node	6364 Sep 04 21:20	12°♌15'44	
	6363 Sep 23 08:07	0°♍		evening max el	6364 Sep 10 23:46	18°♌58'39	26°10'37
evening max el	6363 Sep 30 00:40	7°♍20'40	27°05'44	retrograde	6364 Sep 24 22:39	26°♌05'09	
retrograde	6363 Oct 13 21:47	14°♍32'22		evening set	6364 Oct 01 10:10	24°♌23'29	
evening set	6363 Oct 20 22:51	12°♍20'10		min. Earth dist.	6364 Oct 05 12:52	21°♌48'42	0.58948 AU
min. Earth dist.	6363 Oct 24 15:13	9°♍38'22	0.61023 AU	inferior conj	6364 Oct 08 17:54	19°♌24'36	-4°55'55
inferior conj	6363 Oct 27 18:19	6°♍57'02	-4°03'35	minimum elong	6364 Oct 08 23:42	19°♌13'42	4°54'55
minimum elong	6363 Oct 28 00:58	6°♍42'43	4°01'42	morning rise	6364 Oct 16 15:28	14°♌55'18	
morning rise	6363 Nov 04 05:13	2°♍05'26		direct	6364 Oct 18 23:34	14°♌36'48	
direct	6363 Nov 06 11:44	1°♍44'37		morning max el	6364 Oct 27 00:46	18°♌30'53	18°28'12
asc. node	6363 Nov 10 07:17	2°♍45'58		asc. node	6364 Oct 27 04:17	18°♌39'27	
morning max el	6363 Nov 13 16:06	5°♍19'58	17°58'32		6364 Nov 04 09:53	0°♍	
morning set	6363 Nov 29 09:02	0°♎05'19		morning set	6364 Nov 12 01:19	14°♍05'59	
	6363 Nov 29 07:53	0°♏			6364 Nov 20 09:28	0°♏	
superior conj	6363 Dec 09 13:31	18°♏31'57	0°45'20	superior conj	6364 Nov 21 00:30	1°♏09'51	1°13'12
minimum elong	6363 Dec 09 16:55	18°♏46'48	0°44'54	minimum elong	6364 Nov 21 04:07	1°♏26'33	1°12'49
desc. node	6363 Dec 15 23:32	29°♏31'19		max. Earth dist.	6364 Nov 28 11:04	14°♏29'38	1.40332 AU
	6363 Dec 16 06:25	0°♐		desc. node	6364 Dec 01 20:34	20°♏16'28	
max. Earth dist.	6363 Dec 17 03:21	1°♐26'58	1.42335 AU	evening rise	6364 Dec 02 19:02	21°♏50'10	
evening rise	6363 Dec 23 02:04	11°♐05'14			6364 Dec 07 19:43	0°♐	
	6364 Jan 04 11:24	0°♑			6364 Dec 28 13:01	0°♑	
evening max el	6364 Jan 24 20:04	26°♑40'05	22°20'51	evening max el	6365 Jan 06 10:51	10°♑21'27	23°40'50
	6364 Jan 28 14:15	0°♒		retrograde	6365 Jan 17 05:36	16°♑42'58	
retrograde	6364 Feb 03 11:55	2°♒24'31		evening set	6365 Jan 22 08:18	14°♑35'40	
asc. node	6364 Feb 06 06:29	1°♒44'34		asc. node	6365 Jan 23 03:31	13°♑51'57	
evening set	6364 Feb 08 02:21	0°♒32'16		min. Earth dist.	6365 Jan 27 04:35	8°♑57'26	0.68116 AU
	6364 Feb 08 17:01	30°♒		inferior conj	6365 Jan 27 18:43	8°♑09'12	1°29'44
inferior conj	6364 Feb 13 10:42	24°♑10'29	2°12'00	minimum elong	6365 Jan 27 16:50	8°♑15'36	1°29'04
minimum elong	6364 Feb 13 08:24	24°♑18'30	2°11'17	morning rise	6365 Feb 02 01:20	2°♑04'15	
min. Earth dist.	6364 Feb 13 07:52	24°♑20'21	0.68229 AU	direct	6365 Feb 06 04:19	0°♑28'32	
morning rise	6364 Feb 18 14:18	18°♑00'24		morning max el	6365 Feb 14 08:45	5°♑10'19	20°46'56
direct	6364 Feb 23 07:06	16°♑02'03		desc. node	6365 Feb 27 19:52	22°♑24'12	
morning max el	6364 Mar 03 15:07	21°♑30'41	22°07'33		6365 Mar 05 00:33	0°♒	
	6364 Mar 10 21:37	0°♓		morning set	6365 Mar 16 01:07	16°♒47'04	
desc. node	6364 Mar 12 22:50	2°♓41'41			6365 Mar 24 08:46	0°♓	
	6364 Mar 31 14:38	0°♔		max. Earth dist.	6365 Mar 24 10:08	0°♓05'32	1.43039 AU
morning set	6364 Apr 05 18:27	8°♔11'45		superior conj	6365 Mar 31 06:01	11°♔22'25	-2°09'09
max. Earth dist.	6364 Apr 11 05:33	17°♔11'17	1.41083 AU	minimum elong	6365 Mar 31 07:58	11°♔30'38	2°09'07
	6364 Apr 18 15:51	0°♕			6365 Apr 10 24:00	0°♕	
superior conj	6364 Apr 19 00:04	0°♕36'29	-1°55'52	evening rise	6365 Apr 12 05:00	2°♕08'41	
minimum elong	6364 Apr 19 05:06	0°♕58'49	1°55'29	asc. node	6365 Apr 21 02:43	17°♕37'43	
evening rise	6364 Apr 29 10:38	19°♕43'50		evening max el	6365 Apr 29 02:43	28°♕35'22	18°06'07
asc. node	6364 May 04 05:41	28°♕34'19			6365 Apr 30 17:07	0°♖	
	6364 May 05 00:46	0°♖		retrograde	6365 May 05 15:49	1°♖57'18	
evening max el	6364 May 15 14:50	15°♖31'33	18°16'12	evening set	6365 May 08 08:04	1°♖23'16	
retrograde	6364 May 22 18:01	19°♖05'52			6365 May 10 17:43	30°♖	
evening set	6364 May 25 03:11	18°♖42'48		inferior conj	6365 May 14 19:56	26°♖21'31	2°55'35
inferior conj	6364 Jun 01 07:01	14°♖01'27	2°04'23	minimum elong	6365 May 14 22:42	26°♖14'39	2°55'00
minimum elong	6364 Jun 01 10:18	13°♖54'22	2°03'24	min. Earth dist.	6365 May 17 22:35	23°♖17'46	0.61432 AU
min. Earth dist.	6364 Jun 04 17:02	11°♖06'29	0.59200 AU	morning rise	6365 May 21 11:21	20°♖22'35	
morning rise	6364 Jun 08 14:24	8°♖22'32		desc. node	6365 May 26 19:08	18°♖09'25	
desc. node	6364 Jun 08 22:05	8°♖11'54		direct	6365 May 28 04:56	18°♖03'29	
direct	6364 Jun 14 21:31	6°♖34'09		morning max el	6365 Jun 11 10:01	26°♖02'42	27°53'08

	6365 Jun 15 02:13	0°♈		direct	6366 May 10 21:16	0°822'37	
	6365 Jul 05 08:18	0°♎		desc. node	6366 May 13 16:10	0°846'35	
morning set	6365 Jul 14 14:03	17°♎44'13		morning max el	6366 May 24 18:13	8°822'53	27°43'21
asc. node	6365 Jul 18 02:00	25°♎04'25			6366 Jun 10 10:55	0°♈	
	6365 Jul 20 08:45	0°♏			6366 Jun 27 14:15	0°♎	
max. Earth dist.	6365 Jul 20 09:40	0°♏04'56	1.32070 AU	morning set	6366 Jun 28 10:34	1°♎40'46	
				max. Earth dist.	6366 Jul 03 13:04	12°♎10'35	1.32781 AU
superior conj	6365 Jul 21 23:19	3°♏30'44	0°39'19	asc. node	6366 Jul 04 23:02	15°♎11'00	
minimum elong	6365 Jul 21 21:39	3°♏21'35	0°38'57				
evening rise	6365 Jul 28 18:51	18°♏23'28		superior conj	6366 Jul 06 06:30	17°♎59'45	0°13'30
	6365 Aug 03 10:46	0°♐		minimum elong	6366 Jul 06 05:50	17°♎56'14	0°13'19
desc. node	6365 Aug 22 18:22	28°♐56'47		behind sun begin	6366 Jul 06 02:53	17°♎40'19	
evening max el	6365 Aug 23 15:21	29°♐48'23	24°47'50	behind sun end	6366 Jul 06 08:48	18°♎12'10	
	6365 Aug 23 20:14	0°♑			6366 Jul 11 19:37	0°♏	
retrograde	6365 Sep 06 12:15	6°♑47'49		evening rise	6366 Jul 13 06:37	3°♏07'09	
evening set	6365 Sep 11 21:13	5°♑42'56			6366 Jul 27 21:03	0°♐	
min. Earth dist.	6365 Sep 17 02:38	2°♑57'00	0.57007 AU	evening max el	6366 Aug 05 03:18	10°♐07'52	23°10'31
inferior conj	6365 Sep 19 21:44	1°♑07'54	-5°23'41	desc. node	6366 Aug 09 15:23	13°♐49'59	
minimum elong	6365 Sep 19 23:08	1°♑05'37	5°23'38	retrograde	6366 Aug 18 13:27	16°♐50'55	
	6365 Sep 21 16:04	30°♐♐		evening set	6366 Aug 22 10:20	16°♐18'10	
morning rise	6365 Sep 28 03:19	27°♐00'52		min. Earth dist.	6366 Aug 29 12:16	13°♐04'14	0.55512 AU
direct	6365 Sep 30 17:19	26°♐42'06		inferior conj	6366 Aug 31 05:49	12°♐03'47	-5°09'16
	6365 Oct 08 18:41	0°♑		minimum elong	6366 Aug 31 00:20	12°♐11'47	5°08'35
morning max el	6365 Oct 09 23:59	1°♑04'48	19°19'28	morning rise	6366 Sep 08 16:36	8°♐12'44	
asc. node	6365 Oct 14 01:20	5°♑42'17		direct	6366 Sep 11 15:50	7°♐51'44	
morning set	6365 Oct 27 02:14	28°♑30'21		morning max el	6366 Sep 22 11:13	12°♐53'47	20°32'57
	6365 Oct 27 20:10	0°♒		asc. node	6366 Sep 30 22:22	23°♐39'40	
					6366 Oct 04 15:24	0°♑	
superior conj	6365 Nov 04 04:39	14°♒37'10	1°31'18	morning set	6366 Oct 11 08:50	13°♑10'02	
minimum elong	6365 Nov 04 07:12	14°♒49'36	1°31'07				
max. Earth dist.	6365 Nov 10 16:27	26°♒52'50	1.38199 AU	superior conj	6366 Oct 18 21:13	28°♑40'28	1°40'39
	6365 Nov 12 09:51	0°♓		minimum elong	6366 Oct 18 22:18	28°♑46'02	1°40'38
evening rise	6365 Nov 14 10:30	3°♓35'21			6366 Oct 19 12:53	0°♒	
desc. node	6365 Nov 18 17:36	10°♓56'01		max. Earth dist.	6366 Oct 23 23:56	8°♒50'16	1.36179 AU
	6365 Nov 30 22:19	0°♐		evening rise	6366 Oct 27 21:58	16°♒14'35	
evening max el	6365 Dec 19 23:58	24°♐06'20	24°58'29		6366 Nov 04 18:01	0°♓	
	6365 Dec 27 20:05	0°♑		desc. node	6366 Nov 05 14:37	1°♓25'30	
retrograde	6365 Dec 31 19:08	0°♑57'01			6366 Nov 25 09:58	0°♐	
	6366 Jan 04 10:27	30°♐♐		evening max el	6366 Dec 02 12:46	7°♐51'02	26°06'36
evening set	6366 Jan 06 11:04	28°♐35'44		retrograde	6366 Dec 15 03:50	15°♐00'45	
asc. node	6366 Jan 10 00:34	24°♐45'41		evening set	6366 Dec 21 08:54	12°♐28'18	
min. Earth dist.	6366 Jan 10 23:33	23°♐31'53	0.67627 AU	min. Earth dist.	6366 Dec 25 14:26	7°♐59'25	0.66776 AU
inferior conj	6366 Jan 12 00:47	22°♐09'02	0°40'14	inferior conj	6366 Dec 27 03:00	6°♐06'08	-0°15'48
minimum elong	6366 Jan 11 23:49	22°♐12'12	0°39'52	minimum elong	6366 Dec 27 03:26	6°♐04'50	0°15'34
morning rise	6366 Jan 17 12:46	16°♐11'08		transit middle	6366 Dec 27 03:26	6°♐04'50	0°15'34
direct	6366 Jan 21 03:04	14°♐56'46		transit begin	6366 Dec 27 02:41	6°♐07'07	
morning max el	6366 Jan 28 10:24	19°♐02'10	19°39'11	transit end	6366 Dec 27 04:10	6°♐02'33	
	6366 Feb 06 05:08	0°♑		asc. node	6366 Dec 27 21:39	5°♐08'46	
greatest brilliancy	6366 Feb 10 08:13	5°♑58'42	-0.7m	morning rise	6367 Jan 01 22:33	0°♐17'33	
desc. node	6366 Feb 14 16:53	12°♑30'10			6367 Jan 02 11:29	30°♐♐	
morning set	6366 Feb 22 21:54	25°♑02'52		direct	6367 Jan 05 01:46	29°♐21'37	
	6366 Feb 26 02:46	0°♒			6367 Jan 07 17:53	0°♐	
max. Earth dist.	6366 Mar 06 22:29	13°♒49'40	1.44492 AU	morning max el	6367 Jan 11 19:32	3°♐02'51	18°46'41
					6367 Jan 30 17:52	0°♑	
superior conj	6366 Mar 11 10:46	21°♒02'12	-2°06'14	desc. node	6367 Feb 01 13:53	2°♑52'36	
minimum elong	6366 Mar 11 06:26	20°♒44'45	2°06'05	morning set	6367 Feb 02 09:27	4°♑09'20	
	6366 Mar 16 22:58	0°♓		max. Earth dist.	6367 Feb 17 15:50	28°♑04'20	1.45283 AU
evening rise	6366 Mar 25 03:46	13°♓40'54					
	6366 Apr 03 22:22	0°♈		superior conj	6367 Feb 18 19:14	29°♑51'50	-1°43'23
asc. node	6366 Apr 07 23:46	6°♈10'40		minimum elong	6367 Feb 18 09:56	29°♑15'19	1°42'33
evening max el	6366 Apr 12 15:49	11°♈55'40	18°14'58		6367 Feb 18 21:18	0°♒	
retrograde	6366 Apr 19 01:21	15°♈20'05		evening rise	6367 Mar 06 03:28	24°♒14'55	
evening set	6366 Apr 22 00:13	14°♈33'39			6367 Mar 09 17:05	0°♓	
inferior conj	6366 Apr 28 00:13	9°♈12'51	3°21'56	greatest brilliancy	6367 Mar 12 21:12	5°♓06'14	-0.9m
minimum elong	6366 Apr 28 01:35	9°♈09'03	3°21'47	asc. node	6367 Mar 25 20:51	24°♓02'47	
min. Earth dist.	6366 Apr 30 13:19	6°♈23'03	0.63529 AU	evening max el	6367 Mar 27 03:18	25°♓24'43	18°42'06
morning rise	6366 May 04 01:50	3°♈02'46		retrograde	6367 Apr 02 18:19	29°♓04'29	

evening set	6367 Apr 05 23:54	28° Υ 04'51		retrograde	6368 Mar 16 15:15	13° Υ 04'13	
inferior conj	6367 Apr 11 15:46	22° Υ 26'48	3°29'05	evening set	6368 Mar 20 04:21	11° Υ 50'40	
minimum elong	6367 Apr 11 15:39	22° Υ 27'10	3°29'05	inferior conj	6368 Mar 25 15:12	5° Υ 57'17	3°21'26
min. Earth dist.	6367 Apr 13 13:26	20° Υ 07'13	0.65305 AU	minimum elong	6368 Mar 25 13:54	6° Υ 01'32	3°21'17
morning rise	6367 Apr 17 06:49	16° Υ 11'46		min. Earth dist.	6368 Mar 26 21:46	4° Υ 17'16	0.66676 AU
direct	6367 Apr 23 21:10	13° Υ 23'08		morning rise	6368 Mar 30 23:08	29° Υ 41'11	
desc. node	6367 Apr 30 13:12	15° Υ 40'10			6368 Mar 30 15:00	30° Υ 41'11	
morning max el	6367 May 07 04:31	21° Υ 13'51	27°00'09	direct	6368 Apr 06 03:31	26° Υ 56'19	
	6367 May 14 19:00	0° Υ			6368 Apr 13 15:39	0° Υ	
	6367 Jun 03 14:51	0° Υ		desc. node	6368 Apr 16 10:14	2° Υ 17'23	
morning set	6367 Jun 11 21:15	15° Υ 05'40		morning max el	6368 Apr 18 14:22	4° Υ 22'44	25°51'32
max. Earth dist.	6367 Jun 16 07:05	23° Υ 47'40	1.33957 AU		6368 May 08 04:31	0° Υ	
	6367 Jun 19 07:41	0° Υ		morning set	6368 May 24 18:08	27° Υ 47'43	
					6368 May 25 22:43	0° Υ	
superior conj	6367 Jun 20 08:21	2° Υ 08'42	-0°15'14	max. Earth dist.	6368 May 28 13:37	4° Υ 57'08	1.35596 AU
minimum elong	6367 Jun 20 09:10	2° Υ 12'58	0°15'06				
behind sun begin	6367 Jun 20 07:16	2° Υ 03'00		superior conj	6368 Jun 03 02:19	15° Υ 50'32	-0°45'39
behind sun end	6367 Jun 20 11:04	2° Υ 22'57		minimum elong	6368 Jun 03 04:55	16° Υ 03'40	0°45'12
asc. node	6367 Jun 21 20:05	5° Υ 16'39		asc. node	6368 Jun 07 17:07	25° Υ 17'15	
evening rise	6367 Jun 27 17:05	17° Υ 42'54			6368 Jun 09 23:57	0° Υ	
	6367 Jul 03 19:48	0° Υ		evening rise	6368 Jun 11 00:10	2° Υ 04'20	
evening max el	6367 Jul 17 20:05	20° Υ 32'04	21°35'12		6368 Jun 27 14:03	0° Υ	
desc. node	6367 Jul 27 12:24	26° Υ 22'19		evening max el	6368 Jun 29 00:31	1° Υ 30'11	20°13'57
retrograde	6367 Jul 30 04:38	26° Υ 39'23		retrograde	6368 Jul 09 17:55	6° Υ 46'04	
evening set	6367 Aug 01 17:31	26° Υ 24'44		evening set	6368 Jul 11 16:13	6° Υ 36'34	
inferior conj	6367 Aug 11 00:35	22° Υ 24'42	-4°01'41	desc. node	6368 Jul 13 09:26	6° Υ 13'05	
minimum elong	6367 Aug 10 15:26	22° Υ 37'31	3°59'14	inferior conj	6368 Jul 20 19:15	2° Υ 38'27	-2°13'00
min. Earth dist.	6367 Aug 10 21:49	22° Υ 28'35	0.54777 AU	minimum elong	6368 Jul 20 13:06	2° Υ 47'32	2°10'47
morning rise	6367 Aug 19 14:29	18° Υ 33'11		min. Earth dist.	6368 Jul 22 09:18	1° Υ 42'21	0.55001 AU
direct	6367 Aug 23 01:32	18° Υ 07'10			6368 Jul 25 11:39	30° Υ 42'21	
morning max el	6367 Sep 04 10:32	23° Υ 57'06	22°05'51	morning rise	6368 Jul 29 08:39	28° Υ 25'46	
	6367 Sep 09 20:35	0° Υ		direct	6368 Aug 02 12:19	27° Υ 48'21	
asc. node	6367 Sep 17 19:25	12° Υ 19'00			6368 Aug 10 04:58	0° Υ	
morning set	6367 Sep 25 18:53	27° Υ 58'42		morning max el	6368 Aug 16 01:34	4° Υ 25'25	23°49'47
	6367 Sep 26 17:56	0° Υ			6368 Sep 02 21:43	0° Υ	
				asc. node	6368 Sep 03 16:26	1° Υ 29'19	
superior conj	6367 Oct 02 22:28	13° Υ 08'47	1°42'30	morning set	6368 Sep 09 06:26	12° Υ 50'05	
minimum elong	6367 Oct 02 22:10	13° Υ 07'15	1°42'30				
max. Earth dist.	6367 Oct 06 14:08	20° Υ 44'10	1.34465 AU	superior conj	6368 Sep 16 05:22	27° Υ 52'04	1°37'53
evening rise	6367 Oct 11 01:30	29° Υ 38'11		minimum elong	6368 Sep 16 04:00	27° Υ 44'38	1°37'47
	6367 Oct 11 06:01	0° Υ			6368 Sep 17 05:05	0° Υ	
desc. node	6367 Oct 23 11:38	21° Υ 39'39		max. Earth dist.	6368 Sep 18 12:54	2° Υ 50'28	1.33164 AU
	6367 Oct 28 20:42	0° Υ		evening rise	6368 Sep 23 17:04	13° Υ 34'40	
evening max el	6367 Nov 15 01:37	21° Υ 28'58	26°57'53		6368 Oct 02 10:06	0° Υ	
retrograde	6367 Nov 28 07:06	28° Υ 47'28		desc. node	6368 Oct 09 08:39	11° Υ 30'43	
evening set	6367 Dec 04 23:46	26° Υ 09'06			6368 Oct 22 23:15	0° Υ	
min. Earth dist.	6367 Dec 08 23:02	22° Υ 15'04	0.65569 AU	evening max el	6368 Oct 27 13:40	4° Υ 49'02	27°25'15
inferior conj	6367 Dec 10 23:17	19° Υ 56'48	-1°17'13	retrograde	6368 Nov 10 04:10	12° Υ 07'30	
minimum elong	6367 Dec 11 01:31	19° Υ 50'24	1°16'14	evening set	6368 Nov 17 05:05	9° Υ 31'14	
asc. node	6367 Dec 14 18:41	15° Υ 58'54		min. Earth dist.	6368 Nov 20 23:11	6° Υ 10'11	0.64022 AU
morning rise	6367 Dec 17 04:19	14° Υ 19'59		inferior conj	6368 Nov 23 11:06	3° Υ 34'23	-2°22'20
direct	6367 Dec 19 22:25	13° Υ 38'43		minimum elong	6368 Nov 23 15:22	3° Υ 23'14	2°20'38
morning max el	6367 Dec 26 09:59	17° Υ 06'51	18°10'36		6368 Nov 27 05:11	30° Υ 23'14	
	6368 Jan 04 22:48	0° Υ		morning rise	6368 Nov 30 03:12	28° Υ 12'17	
morning set	6368 Jan 14 01:47	14° Υ 43'30		asc. node	6368 Nov 30 15:42	28° Υ 00'50	
desc. node	6368 Jan 19 10:55	23° Υ 27'02		direct	6368 Dec 02 14:33	27° Υ 41'41	
	6368 Jan 23 12:57	0° Υ			6368 Dec 07 22:01	0° Υ	
				morning max el	6368 Dec 09 02:53	1° Υ 06'04	17°51'38
superior conj	6368 Jan 28 23:58	8° Υ 39'06	-1°03'50	morning set	6368 Dec 25 22:05	26° Υ 39'34	
minimum elong	6368 Jan 28 16:22	8° Υ 09'07	1°02'50		6368 Dec 27 21:08	0° Υ	
max. Earth dist.	6368 Jan 31 11:03	12° Υ 31'19	1.45340 AU	desc. node	6369 Jan 05 07:56	14° Υ 08'49	
	6368 Feb 11 15:54	0° Υ					
evening rise	6368 Feb 14 05:04	3° Υ 57'54		superior conj	6369 Jan 07 20:10	18° Υ 14'50	-0°17'45
greatest brilliancy	6368 Feb 26 11:12	22° Υ 52'27	-0.7m	minimum elong	6369 Jan 07 18:09	18° Υ 06'38	0°17'26
	6368 Mar 02 07:32	0° Υ		max. Earth dist.	6369 Jan 13 05:37	26° Υ 54'17	1.44665 AU
evening max el	6368 Mar 09 11:04	8° Υ 58'12	19°26'17		6369 Jan 15 04:36	0° Υ	
asc. node	6368 Mar 11 17:53	11° Υ 02'08		evening rise	6369 Jan 23 17:00	13° Υ 14'14	

	6369 Feb 03 18:44	0°♄			6370 Jan 08 00:17	0°♁		
evening max el	6369 Feb 20 13:46	22°♄33'55	20°25'30		6370 Jan 29 02:04	0°♄		
asc. node	6369 Feb 26 14:55	26°♄54'44		evening max el	6370 Feb 03 11:00	6°♄10'44	21°36'29	
retrograde	6369 Feb 28 13:33	27°♄14'35		retrograde	6370 Feb 12 11:13	11°♄31'10		
evening set	6369 Mar 04 11:24	25°♄46'21		asc. node	6370 Feb 13 11:56	11°♄25'35		
inferior conj	6369 Mar 09 19:45	19°♄39'49	3°02'01	evening set	6370 Feb 16 19:16	9°♄47'37		
minimum elong	6369 Mar 09 17:42	19°♄46'48	3°01'37	inferior conj	6370 Feb 22 03:08	3°♄30'33	2°32'47	
min. Earth dist.	6369 Mar 10 12:23	18°♄43'04	0.67612 AU	minimum elong	6370 Feb 22 00:47	3°♄38'41	2°32'09	
morning rise	6369 Mar 14 23:46	13°♄25'01		min. Earth dist.	6370 Feb 22 07:03	3°♄16'55	0.68123 AU	
direct	6369 Mar 20 15:15	10°♄53'49			6370 Feb 24 17:58	30°♄		
morning max el	6369 Mar 31 23:04	17°♄40'27	24°27'25	morning rise	6370 Feb 27 06:08	27°♄18'34		
desc. node	6369 Apr 03 07:16	20°♄09'54		direct	6370 Mar 04 07:19	25°♄07'23		
	6369 Apr 11 06:24	0°♄			6370 Mar 13 06:08	0°♄		
	6369 May 01 05:31	0°♄		morning max el	6370 Mar 14 08:36	1°♄04'33	22°57'55	
morning set	6369 May 06 20:06	9°♄32'46		desc. node	6370 Mar 21 04:16	8°♄56'04		
max. Earth dist.	6369 May 10 11:17	16°♄00'47	1.37621 AU		6370 Apr 05 04:35	0°♄		
				morning set	6370 Apr 17 21:13	20°♄04'48		
superior conj	6369 May 17 09:09	28°♄57'01	-1°15'54	max. Earth dist.	6370 Apr 22 07:13	27°♄32'51	1.39839 AU	
minimum elong	6369 May 17 13:30	29°♄18'03	1°15'16		6370 Apr 23 17:13	0°♄		
	6369 May 17 22:11	0°♄						
asc. node	6369 May 25 14:08	15°♄08'45		superior conj	6370 Apr 30 00:43	11°♄17'02	-1°43'09	
evening rise	6369 May 26 01:24	16°♄04'43		minimum elong	6370 Apr 30 06:02	11°♄41'27	1°42'35	
	6369 Jun 02 08:58	0°♄		evening rise	6370 May 09 17:43	29°♄35'14		
evening max el	6369 Jun 11 17:41	13°♄11'58	19°12'05		6370 May 09 22:54	0°♄		
retrograde	6369 Jun 20 18:10	17°♄37'39		asc. node	6370 May 12 11:08	4°♄45'56		
evening set	6369 Jun 22 16:59	17°♄26'07		evening max el	6370 May 25 20:52	25°♄32'09	18°30'43	
desc. node	6369 Jun 30 06:28	13°♄50'52		retrograde	6370 Jun 02 13:13	29°♄20'43		
inferior conj	6369 Jul 01 03:37	13°♄15'39	-0°15'52	evening set	6370 Jun 04 18:16	29°♄02'47		
minimum elong	6369 Jul 01 02:56	13°♄16'48	0°15'38	inferior conj	6370 Jun 12 08:51	24°♄32'49	1°21'42	
transit middle	6369 Jul 01 02:56	13°♄16'48	0°15'38	minimum elong	6370 Jun 12 11:32	24°♄27'31	1°20'45	
transit begin	6369 Jul 01 02:06	13°♄18'13		min. Earth dist.	6370 Jun 15 17:53	21°♄54'39	0.57977 AU	
transit end	6369 Jul 01 03:47	13°♄15'23		desc. node	6370 Jun 17 03:31	20°♄54'25		
min. Earth dist.	6369 Jul 03 23:28	11°♄22'25	0.56148 AU	morning rise	6370 Jun 20 01:31	19°♄10'30		
morning rise	6369 Jul 09 09:53	8°♄28'38		direct	6370 Jun 25 22:56	17°♄41'51		
direct	6369 Jul 14 10:41	7°♄30'08		morning max el	6370 Jul 10 08:13	25°♄20'46	26°52'16	
morning max el	6369 Jul 28 14:50	14°♄43'54	25°30'39		6370 Jul 14 15:57	0°♄		
	6369 Aug 09 18:45	0°♄			6370 Aug 03 00:17	0°♄		
asc. node	6369 Aug 21 13:27	21°♄02'37		asc. node	6370 Aug 08 10:27	10°♄51'45		
morning set	6369 Aug 24 17:54	27°♄39'40		morning set	6370 Aug 09 03:40	12°♄22'10		
	6369 Aug 25 20:10	0°♄						
				superior conj	6370 Aug 16 03:24	27°♄35'53	1°12'19	
superior conj	6369 Aug 31 15:40	12°♄43'19	1°27'36	minimum elong	6370 Aug 16 01:07	27°♄23'15	1°11'58	
minimum elong	6369 Aug 31 13:37	12°♄32'01	1°27'22	max. Earth dist.	6370 Aug 16 05:24	27°♄46'56	1.31874 AU	
max. Earth dist.	6369 Sep 01 19:05	15°♄13'48	1.32305 AU		6370 Aug 17 05:27	0°♄		
evening rise	6369 Sep 07 17:20	27°♄54'55		evening rise	6370 Aug 22 23:34	12°♄30'23		
	6369 Sep 08 17:39	0°♄			6370 Aug 31 20:41	0°♄		
	6369 Sep 25 16:22	0°♄		desc. node	6370 Sep 13 02:42	19°♄22'24		
desc. node	6369 Sep 26 05:40	0°♄49'19		evening max el	6370 Sep 22 02:10	29°♄44'01	26°46'09	
evening max el	6369 Oct 09 22:50	17°♄38'24	27°22'28		6370 Sep 22 08:59	0°♄		
retrograde	6369 Oct 23 18:02	24°♄52'00		retrograde	6370 Oct 05 23:50	6°♄52'45		
evening set	6369 Oct 30 21:32	22°♄27'55		evening set	6370 Oct 12 20:54	4°♄52'17		
min. Earth dist.	6369 Nov 03 13:06	19°♄34'37	0.62184 AU	min. Earth dist.	6370 Oct 16 16:07	2°♄15'45	0.60144 AU	
inferior conj	6369 Nov 06 11:31	16°♄51'40	-3°27'52		6370 Oct 19 11:15	30°♄		
minimum elong	6369 Nov 06 17:35	16°♄37'33	3°25'51	inferior conj	6370 Oct 19 21:09	29°♄39'46	-4°27'50	
morning rise	6369 Nov 13 15:33	11°♄47'42		minimum elong	6370 Oct 20 03:47	29°♄26'16	4°26'14	
direct	6369 Nov 15 22:59	11°♄24'09		morning rise	6370 Oct 27 12:49	24°♄57'27		
asc. node	6369 Nov 17 12:44	11°♄35'25		direct	6370 Oct 29 19:42	24°♄37'49		
morning max el	6369 Nov 22 19:10	14°♄52'59	17°50'34	asc. node	6370 Nov 04 09:46	26°♄41'31		
	6369 Dec 03 05:50	0°♄		morning max el	6370 Nov 06 07:37	28°♄19'37	18°08'41	
morning set	6369 Dec 08 16:06	9°♄37'37			6370 Nov 07 21:23	0°♄		
				morning set	6370 Nov 22 01:41	23°♄19'33		
superior conj	6369 Dec 19 17:46	29°♄04'34	0°24'45		6370 Nov 25 15:05	0°♄		
minimum elong	6369 Dec 19 20:00	29°♄14'05	0°24'28					
	6369 Dec 20 06:49	0°♄		superior conj	6370 Dec 01 16:30	11°♄07'10	0°58'24	
desc. node	6369 Dec 23 04:55	4°♄54'24		minimum elong	6370 Dec 01 20:13	11°♄23'48	0°57'57	
max. Earth dist.	6369 Dec 26 21:23	10°♄57'59	1.43337 AU	max. Earth dist.	6370 Dec 09 08:18	24°♄26'40	1.41512 AU	
evening rise	6370 Jan 03 06:17	22°♄41'17		desc. node	6370 Dec 10 01:56	25°♄40'40		

	6370 Dec 12 16:33	0°♄		desc. node	6371 Nov 26 22:56	16°♄23'34	
evening rise	6370 Dec 14 10:53	2°♄52'13			6371 Dec 05 10:08	0°♄	
	6371 Jan 01 09:13	0°♄			6371 Dec 27 09:31	0°♄	
evening max el	6371 Jan 17 03:34	19°♄49'46	22°54'43	evening max el	6371 Dec 30 17:13	3°♄31'41	24°14'34
retrograde	6371 Jan 27 06:47	25°♄50'32		retrograde	6372 Jan 10 22:57	10°♄07'32	
asc. node	6371 Jan 31 08:59	24°♄25'16		evening set	6372 Jan 16 07:13	7°♄53'53	
evening set	6371 Feb 01 02:24	23°♄51'32		asc. node	6372 Jan 18 06:03	5°♄57'24	
inferior conj	6371 Feb 06 11:27	17°♄27'15	1°55'01	min. Earth dist.	6372 Jan 20 23:56	2°♄30'13	0.67946 AU
minimum elong	6371 Feb 06 09:16	17°♄34'47	1°54'18	inferior conj	6372 Jan 21 18:52	1°♄26'28	1°09'35
min. Earth dist.	6371 Feb 06 03:40	17°♄54'09	0.68226 AU	minimum elong	6372 Jan 21 17:19	1°♄31'41	1°09'01
morning rise	6371 Feb 11 16:03	11°♄19'24			6372 Jan 22 20:46	30°♄	
direct	6371 Feb 16 02:51	9°♄30'53		morning rise	6372 Jan 27 03:29	25°♄24'19	
morning max el	6371 Feb 24 22:31	14°♄38'22	21°32'05	direct	6372 Jan 31 00:47	23°♄58'10	
desc. node	6371 Mar 08 01:17	28°♄21'15		morning max el	6372 Feb 07 19:35	28°♄23'24	20°16'24
	6371 Mar 09 05:40	0°♄			6372 Feb 09 08:21	0°♄	
morning set	6371 Mar 28 18:12	29°♄18'29		desc. node	6372 Feb 22 22:17	18°♄14'12	
	6371 Mar 29 04:39	0°♄			6372 Mar 01 18:40	0°♄	
max. Earth dist.	6371 Apr 04 07:53	9°♄56'29	1.41964 AU	morning set	6372 Mar 06 17:46	7°♄36'42	
				max. Earth dist.	6372 Mar 16 15:32	23°♄11'50	1.43723 AU
superior conj	6371 Apr 11 20:16	22°♄40'01	-2°03'06		6372 Mar 20 20:22	0°♄	
minimum elong	6371 Apr 12 00:26	22°♄58'08	2°02'53				
	6371 Apr 16 00:17	0°♄		superior conj	6372 Mar 22 15:28	2°♄56'57	-2°10'13
evening rise	6371 Apr 22 21:26	12°♄27'21		minimum elong	6372 Mar 22 15:01	2°♄55'05	2°10'14
asc. node	6371 Apr 29 08:11	24°♄03'43		evening rise	6372 Apr 04 08:00	24°♄30'41	
	6371 May 02 21:36	0°♄			6372 Apr 07 11:47	0°♄	
evening max el	6371 May 09 06:33	8°♄22'32	18°09'26	asc. node	6372 Apr 15 05:14	12°♄55'21	
retrograde	6371 May 16 02:31	11°♄50'02		evening max el	6372 Apr 21 19:18	21°♄34'15	18°07'36
evening set	6371 May 18 14:39	11°♄22'37		retrograde	6372 Apr 28 05:52	24°♄55'47	
inferior conj	6371 May 25 11:11	6°♄32'11	2°29'29	evening set	6372 May 01 00:50	24°♄16'46	
minimum elong	6371 May 25 14:26	6°♄24'42	2°28'37	inferior conj	6372 May 07 07:12	19°♄06'56	3°09'23
min. Earth dist.	6371 May 28 19:02	3°♄30'30	0.60153 AU	minimum elong	6372 May 07 09:25	19°♄01'08	3°09'01
morning rise	6371 Jun 01 11:37	0°♄43'09		min. Earth dist.	6372 May 10 04:39	16°♄06'18	0.62350 AU
	6371 Jun 02 18:24	30°♄		morning rise	6372 May 13 16:21	13°♄02'02	
desc. node	6371 Jun 04 00:34	29°♄26'35		direct	6372 May 20 11:40	10°♄32'17	
direct	6371 Jun 07 24:00	28°♄41'09		desc. node	6372 May 20 21:36	10°♄32'49	
	6371 Jun 13 11:35	0°♄		morning max el	6372 Jun 03 14:08	18°♄34'06	27°53'23
morning max el	6371 Jun 22 08:16	6°♄36'01	27°41'43		6372 Jun 13 05:02	0°♄	
	6371 Jul 09 22:30	0°♄			6372 Jul 01 18:50	0°♄	
morning set	6371 Jul 24 10:00	26°♄52'16		morning set	6372 Jul 07 10:51	11°♄03'49	
	6371 Jul 25 21:47	0°♄		asc. node	6372 Jul 12 04:30	20°♄57'05	
asc. node	6371 Jul 26 07:28	0°♄51'25		max. Earth dist.	6372 Jul 12 23:08	22°♄37'04	1.32312 AU
max. Earth dist.	6371 Jul 30 16:04	10°♄18'44	1.31872 AU				
				superior conj	6372 Jul 15 00:08	27°♄02'33	0°28'48
superior conj	6371 Jul 31 14:49	12°♄24'06	0°52'33	minimum elong	6372 Jul 14 22:51	26°♄55'30	0°28'29
minimum elong	6371 Jul 31 12:47	12°♄12'53	0°52'09		6372 Jul 16 08:38	0°♄	
evening rise	6371 Aug 07 09:30	27°♄14'05		evening rise	6372 Jul 21 21:09	11°♄59'58	
	6371 Aug 08 16:51	0°♄			6372 Jul 30 23:10	0°♄	
	6371 Aug 25 15:29	0°♄		evening max el	6372 Aug 15 10:55	21°♄33'21	24°07'14
desc. node	6371 Aug 30 23:44	6°♄51'25		desc. node	6372 Aug 16 20:47	22°♄51'19	
evening max el	6371 Sep 03 21:41	10°♄59'19	25°38'00	retrograde	6372 Aug 29 05:15	28°♄28'18	
retrograde	6371 Sep 17 20:16	18°♄03'56		evening set	6372 Sep 02 23:08	27°♄38'31	
evening set	6371 Sep 23 22:15	16°♄37'19		min. Earth dist.	6372 Sep 08 21:38	24°♄42'13	0.56292 AU
min. Earth dist.	6371 Sep 28 09:45	14°♄00'18	0.58085 AU	inferior conj	6372 Sep 11 07:47	23°♄12'22	-5°23'46
inferior conj	6371 Oct 01 12:32	11°♄48'46	-5°11'46	minimum elong	6372 Sep 11 06:19	23°♄14'38	5°23'43
minimum elong	6371 Oct 01 16:57	11°♄40'59	5°11'14	morning rise	6372 Sep 19 15:53	19°♄13'23	
morning rise	6371 Oct 09 13:58	7°♄29'41		direct	6372 Sep 22 09:12	18°♄54'05	
direct	6371 Oct 12 00:03	7°♄11'24		morning max el	6372 Oct 02 07:14	23°♄32'40	19°48'03
morning max el	6371 Oct 20 12:44	11°♄16'03	18°47'25		6372 Oct 07 18:15	0°♄	
asc. node	6371 Oct 22 06:49	13°♄06'14		asc. node	6372 Oct 08 03:51	0°♄34'23	
	6371 Nov 02 00:23	0°♄		morning set	6372 Oct 20 01:42	22°♄02'54	
morning set	6371 Nov 05 22:02	7°♄31'05			6372 Oct 23 23:35	0°♄	
superior conj	6371 Nov 14 11:27	24°♄07'58	1°22'01	superior conj	6372 Oct 27 21:27	7°♄52'22	1°36'15
minimum elong	6371 Nov 14 14:43	24°♄23'22	1°21'43	minimum elong	6372 Oct 27 23:24	8°♄02'03	1°36'09
	6371 Nov 17 14:53	0°♄		max. Earth dist.	6372 Nov 02 19:36	19°♄18'39	1.37311 AU
max. Earth dist.	6371 Nov 21 14:24	7°♄10'42	1.39415 AU	evening rise	6372 Nov 06 13:57	26°♄12'09	
evening rise	6371 Nov 25 13:27	14°♄02'24			6372 Nov 08 17:30	0°♄	

desc. node	6372 Nov 12 19:58	6°♄59'25		minimum elong	6373 Oct 11 18:35	22°♊09'41	1°42'17
	6372 Nov 27 22:44	0°♄			6373 Oct 15 15:05	0°♊	
evening max el	6372 Dec 12 06:02	17°♄16'43	25°29'06	max. Earth dist.	6373 Oct 16 05:33	1°♊12'00	1.35413 AU
retrograde	6372 Dec 24 10:39	24°♄17'24		evening rise	6373 Oct 20 08:48	9°♊11'44	
evening set	6372 Dec 30 08:06	21°♄51'03		desc. node	6373 Oct 30 17:00	27°♊23'06	
min. Earth dist.	6373 Jan 03 17:34	17°♄01'44	0.67305 AU		6373 Nov 01 07:45	0°♄	
asc. node	6373 Jan 04 03:07	16°♄31'10			6373 Nov 23 18:41	0°♄	
inferior conj	6373 Jan 04 23:32	15°♄25'25	0°17'11	evening max el	6373 Nov 24 19:07	1°♄00'14	26°30'59
minimum elong	6373 Jan 04 23:06	15°♄26'49	0°17'03	retrograde	6373 Dec 07 17:01	8°♄14'19	
morning rise	6373 Jan 10 14:27	9°♄30'57		evening set	6373 Dec 14 03:12	5°♄38'57	
direct	6373 Jan 13 23:45	8°♄24'52		min. Earth dist.	6373 Dec 18 06:07	1°♄24'42	0.66305 AU
morning max el	6373 Jan 21 00:31	12°♄18'56	19°14'48		6373 Dec 19 10:23	30°♋♄	
	6373 Feb 03 06:07	0°♋		inferior conj	6373 Dec 19 23:30	29°♄20'23	-0°41'16
greatest brilliancy	6373 Feb 03 09:30	0°♋12'44	-0.7m	minimum elong	6373 Dec 20 00:39	29°♄16'57	0°40'44
desc. node	6373 Feb 08 19:17	8°♋27'24		asc. node	6373 Dec 22 00:10	26°♄58'48	
morning set	6373 Feb 13 17:53	16°♋05'08		morning rise	6373 Dec 25 22:50	23°♄36'11	
	6373 Feb 22 16:32	0°♋		direct	6373 Dec 28 21:58	22°♄46'50	
max. Earth dist.	6373 Feb 27 05:43	7°♋08'30	1.44912 AU	morning max el	6374 Jan 04 12:07	26°♄21'11	18°29'13
					6374 Jan 07 16:52	0°♄	
superior conj	6373 Mar 02 10:17	12°♋11'18	-1°59'00	morning set	6374 Jan 24 17:02	25°♄47'36	
minimum elong	6373 Mar 02 03:15	11°♋43'23	1°58'34	desc. node	6374 Jan 26 16:17	28°♄55'23	
	6373 Mar 13 11:12	0°♋			6374 Jan 27 08:33	0°♋	
evening rise	6373 Mar 16 21:06	5°♋37'16					
	6373 Apr 01 04:46	0°♋		superior conj	6374 Feb 09 14:37	20°♋52'49	-1°28'09
asc. node	6373 Apr 02 02:18	1°♋12'09		minimum elong	6374 Feb 09 05:11	20°♋15'50	1°27'07
evening max el	6373 Apr 05 08:03	4°♋59'00	18°24'27	max. Earth dist.	6374 Feb 10 00:27	21°♋31'20	1.45399 AU
retrograde	6373 Apr 11 18:53	8°♋28'16			6374 Feb 15 10:16	0°♋	
evening set	6373 Apr 14 20:34	7°♋36'22		evening rise	6374 Feb 25 10:51	15°♋47'38	
inferior conj	6373 Apr 20 16:42	2°♋08'19	3°27'00		6374 Mar 06 10:36	0°♋	
minimum elong	6373 Apr 20 17:25	2°♋06'15	3°26'57	greatest brilliancy	6374 Mar 06 21:13	0°♋41'30	-0.8m
	6373 Apr 22 12:45	30°♋♋		asc. node	6374 Mar 19 23:22	18°♋43'39	
min. Earth dist.	6373 Apr 22 23:25	29°♋29'35	0.64329 AU	evening max el	6374 Mar 19 18:15	18°♋30'49	18°58'59
morning rise	6373 Apr 26 13:24	25°♋55'42		retrograde	6374 Mar 26 13:48	22°♋20'08	
direct	6373 May 03 07:36	23°♋10'00		evening set	6374 Mar 29 22:34	21°♋14'30	
desc. node	6373 May 07 18:38	24°♋11'34		inferior conj	6374 Apr 04 11:57	15°♋29'46	3°27'26
	6373 May 15 19:39	0°♋		minimum elong	6374 Apr 04 11:17	15°♋31'52	3°27'24
morning max el	6373 May 16 23:19	1°♋07'54	27°28'38	min. Earth dist.	6374 Apr 06 03:04	13°♋26'25	0.65940 AU
	6373 Jun 07 07:55	0°♋		morning rise	6374 Apr 09 23:35	9°♋14'13	
morning set	6373 Jun 21 03:35	24°♋48'09		direct	6374 Apr 16 10:16	6°♋25'54	
	6373 Jun 23 18:02	0°♋		desc. node	6374 Apr 24 15:37	9°♋53'10	
max. Earth dist.	6373 Jun 25 22:42	4°♋30'16	1.33220 AU	morning max el	6374 Apr 29 09:27	14°♋07'20	26°33'37
					6374 May 12 07:02	0°♋	
superior conj	6373 Jun 29 05:21	11°♋24'12	0°01'39		6374 May 31 01:25	0°♋	
minimum elong	6373 Jun 29 05:16	11°♋23'45	0°01'35	morning set	6374 Jun 04 08:55	7°♋56'09	
behind sun begin	6373 Jun 28 23:51	10°♋54'53		max. Earth dist.	6374 Jun 08 11:59	15°♋55'04	1.34603 AU
behind sun end	6373 Jun 29 10:42	11°♋52'40					
asc. node	6373 Jun 29 01:31	11°♋03'49		superior conj	6374 Jun 13 04:12	25°♋22'45	-0°27'59
evening rise	6373 Jul 06 08:36	26°♋41'08		minimum elong	6374 Jun 13 05:44	25°♋30'44	0°27'43
	6373 Jul 07 22:31	0°♋			6374 Jun 15 09:33	0°♋	
	6373 Jul 26 05:03	0°♋		asc. node	6374 Jun 15 22:33	1°♋07'59	
evening max el	6373 Jul 28 00:03	1°♋51'27	22°28'57	evening rise	6374 Jun 20 17:53	11°♋11'52	
desc. node	6373 Aug 03 17:50	6°♋49'01			6374 Jun 30 13:51	0°♋	
retrograde	6373 Aug 10 01:20	8°♋21'10		evening max el	6374 Jul 09 21:18	12°♋27'34	20°58'26
evening set	6373 Aug 13 06:58	7°♋58'10		retrograde	6374 Jul 21 13:48	18°♋13'37	
min. Earth dist.	6373 Aug 21 07:07	4°♋28'08	0.55095 AU	desc. node	6374 Jul 21 14:51	18°♋13'37	
inferior conj	6373 Aug 22 09:03	3°♋51'24	-4°47'03	evening set	6374 Jul 23 18:31	18°♋02'11	
minimum elong	6373 Aug 22 01:14	4°♋02'29	4°45'35	inferior conj	6374 Aug 02 01:51	14°♋04'49	-3°18'55
morning rise	6373 Aug 30 21:21	0°♋02'13		minimum elong	6374 Aug 01 17:16	14°♋16'57	3°16'12
	6373 Aug 31 01:14	30°♋♋		min. Earth dist.	6374 Aug 02 16:56	13°♋43'30	0.54763 AU
direct	6373 Sep 03 01:21	29°♋39'25		morning rise	6374 Aug 10 16:15	10°♋07'01	
	6373 Sep 05 23:33	0°♋		direct	6374 Aug 14 09:58	9°♋37'04	
morning max el	6373 Sep 14 13:08	5°♋01'36	21°10'16	morning max el	6374 Aug 27 08:03	15°♋46'57	22°49'20
asc. node	6373 Sep 25 00:53	18°♋51'00			6374 Sep 07 10:41	0°♋	
	6373 Oct 01 01:58	0°♋		asc. node	6374 Sep 11 21:53	7°♋44'28	
morning set	6373 Oct 04 10:01	6°♋47'00		morning set	6374 Sep 18 20:55	21°♋37'28	
					6374 Sep 22 19:02	0°♋	
superior conj	6373 Oct 11 18:06	22°♋07'12	1°42'17				

superior conj	6374 Sep 25 22:03	6°♌42'33	1°41'16	superior conj	6375 Sep 10 06:41	21°♏30'38	1°34'10
minimum elong	6374 Sep 25 21:15	6°♌38'18	1°41'15	minimum elong	6375 Sep 10 04:59	21°♏21'17	1°34'02
max. Earth dist.	6374 Sep 28 23:43	13°♌11'18	1.33868 AU	max. Earth dist.	6375 Sep 12 02:01	25°♏25'57	1.32744 AU
evening rise	6374 Oct 03 17:53	22°♌50'18			6375 Sep 14 05:11	0°♌	
	6374 Oct 07 11:31	0°♌		evening rise	6375 Sep 17 13:32	6°♌58'16	
desc. node	6374 Oct 17 14:02	17°♌28'29			6375 Sep 29 23:49	0°♌	
	6374 Oct 26 00:29	0°♌		desc. node	6375 Oct 04 11:03	7°♌07'43	
evening max el	6374 Nov 07 07:55	14°♌32'13	27°12'48	evening max el	6375 Oct 20 18:53	27°♌40'48	27°27'54
retrograde	6374 Nov 20 17:27	21°♌50'38			6375 Oct 23 09:55	0°♌	
evening set	6374 Nov 27 14:19	19°♌12'05		retrograde	6375 Nov 03 11:35	4°♌57'49	
min. Earth dist.	6374 Dec 01 11:15	15°♌32'36	0.64956 AU	evening set	6375 Nov 10 14:40	2°♌25'00	
inferior conj	6374 Dec 03 16:30	13°♌06'02	-1°44'33		6375 Nov 13 12:52	30°♌	
minimum elong	6374 Dec 03 19:35	12°♌57'31	1°43'14	min. Earth dist.	6375 Nov 14 07:04	29°♌17'02	0.63275 AU
asc. node	6374 Dec 08 21:11	8°♌15'02		inferior conj	6375 Nov 16 23:52	26°♌36'27	-2°50'20
morning rise	6374 Dec 10 02:04	7°♌35'06		minimum elong	6375 Nov 17 04:59	26°♌23'44	2°48'26
direct	6374 Dec 12 17:07	6°♌58'43		morning rise	6375 Nov 23 21:03	21°♌22'00	
morning max el	6374 Dec 19 03:58	10°♌23'49	18°00'24	asc. node	6375 Nov 25 18:12	20°♌56'06	
	6375 Jan 01 16:57	0°♌		direct	6375 Nov 26 06:22	20°♌54'51	
morning set	6375 Jan 05 21:52	6°♌58'39		morning max el	6375 Dec 02 21:06	24°♌19'52	17°48'58
desc. node	6375 Jan 13 13:17	19°♌33'14			6375 Dec 07 11:32	0°♌	
				morning set	6375 Dec 19 04:16	19°♌24'04	
superior conj	6375 Jan 19 23:50	29°♌54'41	-0°44'22		6375 Dec 25 07:21	0°♌	
minimum elong	6375 Jan 19 18:29	29°♌33'26	0°43'36	superior conj	6375 Dec 31 06:30	10°♌01'52	0°01'09
	6375 Jan 20 01:10	0°♌		minimum elong	6375 Dec 31 06:38	10°♌02'22	0°01'10
max. Earth dist.	6375 Jan 23 20:19	6°♌00'37	1.45140 AU	behind sun begin	6375 Dec 30 21:13	9°♌23'23	
evening rise	6375 Feb 05 05:07	25°♌15'15		behind sun end	6375 Dec 31 16:03	10°♌41'17	
	6375 Feb 08 07:07	0°♌		desc. node	6375 Dec 31 10:18	10°♌17'36	
greatest brilliancy	6375 Feb 19 04:20	16°♌29'52	-0.6m	max. Earth dist.	6376 Jan 06 13:56	20°♌17'37	1.44171 AU
	6375 Mar 01 02:19	0°♌			6376 Jan 12 17:34	0°♌	
evening max el	6375 Mar 02 23:55	2°♌04'51	19°49'47	evening rise	6376 Jan 15 15:44	4°♌31'42	
asc. node	6375 Mar 06 20:24	5°♌16'10			6376 Feb 01 17:46	0°♌	
retrograde	6375 Mar 10 11:37	6°♌24'43		evening max el	6376 Feb 14 00:09	15°♌40'28	20°54'24
evening set	6375 Mar 14 04:21	5°♌04'48		asc. node	6376 Feb 21 17:25	20°♌35'41	
	6375 Mar 18 21:22	30°♌		retrograde	6376 Feb 22 09:59	20°♌38'12	
inferior conj	6375 Mar 19 13:49	29°♌05'18	3°14'30	evening set	6376 Feb 26 11:58	19°♌03'30	
minimum elong	6375 Mar 19 12:09	29°♌10'53	3°14'15	inferior conj	6376 Mar 02 19:51	12°♌51'51	2°50'44
min. Earth dist.	6375 Mar 20 14:12	27°♌43'51	0.67124 AU	minimum elong	6376 Mar 02 17:37	12°♌59'32	2°50'13
morning rise	6375 Mar 24 19:43	22°♌49'38		min. Earth dist.	6376 Mar 03 06:54	12°♌13'42	0.67878 AU
direct	6375 Mar 30 18:47	20°♌09'56		morning rise	6376 Mar 07 23:05	6°♌37'52	
desc. node	6375 Apr 11 12:37	27°♌05'03		direct	6376 Mar 13 08:26	4°♌14'47	
morning max el	6375 Apr 11 18:53	27°♌20'48	25°17'10	morning max el	6376 Mar 24 03:45	10°♌41'42	23°49'23
	6375 Apr 14 06:39	0°♌		desc. node	6376 Mar 28 09:39	15°♌22'31	
	6375 May 05 23:00	0°♌			6376 Apr 08 11:46	0°♌	
morning set	6375 May 17 22:23	20°♌15'10		morning set	6376 Apr 27 17:09	0°♌	
max. Earth dist.	6375 May 21 14:27	26°♌59'26	1.36420 AU	max. Earth dist.	6376 Apr 28 14:28	1°♌30'46	
	6375 May 23 04:44	0°♌			6376 May 02 10:14	8°♌09'59	1.38551 AU
superior conj	6375 May 27 17:48	8°♌49'59	-0°58'39	superior conj	6376 May 09 18:38	21°♌37'18	-1°28'04
minimum elong	6375 May 27 21:11	9°♌06'46	0°58'04	minimum elong	6376 May 09 23:34	22°♌00'37	1°27'25
asc. node	6375 Jun 02 19:36	21°♌05'08			6376 May 14 03:26	0°♌	
evening rise	6375 Jun 04 22:47	25°♌25'01		evening rise	6376 May 18 20:37	9°♌13'21	
	6375 Jun 07 05:37	0°♌		asc. node	6376 May 19 16:37	10°♌50'57	
evening max el	6375 Jun 22 07:08	23°♌43'15	19°45'06		6376 May 30 12:53	0°♌	
retrograde	6375 Jul 02 06:44	28°♌37'20		evening max el	6376 Jun 04 04:55	5°♌41'54	18°52'03
evening set	6375 Jul 04 03:55	28°♌27'38		retrograde	6376 Jun 12 14:40	9°♌50'10	
desc. node	6375 Jul 08 11:52	27°♌00'20		evening set	6376 Jun 14 15:35	9°♌36'31	
inferior conj	6375 Jul 13 00:55	24°♌25'13	-1°22'21	inferior conj	6376 Jun 22 17:45	5°♌18'25	0°28'54
minimum elong	6375 Jul 12 21:07	24°♌31'06	1°20'56	minimum elong	6376 Jun 22 18:52	5°♌16'24	0°28'27
min. Earth dist.	6375 Jul 15 05:15	23°♌04'17	0.55383 AU	desc. node	6376 Jun 24 08:54	4°♌07'48	
morning rise	6375 Jul 21 12:12	19°♌58'56		min. Earth dist.	6376 Jun 25 21:20	3°♌03'38	0.56850 AU
direct	6375 Jul 26 00:15	19°♌14'08		morning rise	6376 Jun 30 18:44	0°♌15'23	
morning max el	6375 Aug 08 21:38	26°♌08'02	24°34'07		6376 Jul 01 10:00	30°♌	
	6375 Aug 12 14:07	0°♌		direct	6376 Jul 06 04:33	29°♌04'50	
asc. node	6375 Aug 29 18:53	27°♌05'43			6376 Jul 11 00:09	0°♌	
	6375 Aug 31 05:44	0°♌		morning max el	6376 Jul 20 12:15	6°♌31'40	26°08'42
morning set	6375 Sep 03 08:41	6°♌29'23			6376 Aug 06 19:16	0°♌	

asc. node	6376 Aug 15 15:54	16°♌46'35		morning set	6377 Aug 02 04:09	5°♌54'47	
morning set	6376 Aug 17 19:37	21°♌16'50		asc. node	6377 Aug 02 12:56	6°♌41'01	
	6376 Aug 21 20:18	0°♍					
superior conj	6376 Aug 24 17:50	6°♍23'38	1°21'43	superior conj	6377 Aug 09 05:40	21°♌15'23	1°04'29
minimum elong	6376 Aug 24 15:38	6°♍11'28	1°21'26	minimum elong	6377 Aug 09 03:26	21°♌03'01	1°04'05
max. Earth dist.	6376 Aug 25 10:12	7°♍53'57	1.32060 AU	max. Earth dist.	6377 Aug 08 21:01	20°♌27'30	1.31816 AU
evening rise	6376 Aug 31 16:37	21°♍26'04			6377 Aug 13 04:48	0°♍	
	6376 Sep 04 21:58	0°♎		evening rise	6377 Aug 16 00:42	6°♍06'12	
desc. node	6376 Sep 20 08:05	26°♎09'19			6377 Aug 28 12:45	0°♎	
	6376 Sep 23 03:11	0°♏		desc. node	6377 Sep 07 05:07	14°♎18'00	
evening max el	6376 Oct 02 01:45	10°♏12'50	27°11'10	evening max el	6377 Sep 14 02:06	21°♎58'10	26°20'50
retrograde	6376 Oct 15 22:36	17°♏25'10		retrograde	6377 Sep 28 00:42	29°♎05'00	
evening set	6376 Oct 23 00:31	15°♏09'33		evening set	6377 Oct 04 15:07	27°♎18'16	
min. Earth dist.	6376 Oct 26 16:26	12°♏25'05	0.61331 AU	min. Earth dist.	6377 Oct 08 15:28	24°♎43'33	0.59258 AU
inferior conj	6376 Oct 29 18:28	9°♏42'48	-3°54'28	inferior conj	6377 Oct 11 20:46	22°♎15'55	-4°49'16
minimum elong	6376 Oct 30 01:01	9°♏28'23	3°52'32	minimum elong	6377 Oct 12 02:54	22°♎04'09	4°48'05
morning rise	6376 Nov 06 03:37	4°♐47'51		morning rise	6377 Oct 19 16:53	17°♎43'03	
direct	6376 Nov 08 10:12	4°♐26'27		direct	6377 Oct 22 00:32	17°♎24'20	
asc. node	6376 Nov 11 15:13	5°♐10'48		asc. node	6377 Oct 29 12:16	20°♎52'03	
morning max el	6376 Nov 15 12:16	7°♐59'59	17°55'48	morning max el	6377 Oct 29 21:59	21°♎14'57	18°22'24
	6376 Nov 29 17:57	0°♑			6377 Nov 05 14:48	0°♐	
morning set	6376 Dec 01 05:36	2°♑42'50		morning set	6377 Nov 14 20:16	16°♐38'57	
					6377 Nov 21 20:54	0°♑	
superior conj	6376 Dec 11 15:17	21°♑24'15	0°40'13	superior conj	6377 Nov 23 23:13	3°♑53'10	1°09'38
minimum elong	6376 Dec 11 18:27	21°♑38'02	0°39'49	minimum elong	6377 Nov 24 02:54	4°♑10'04	1°09'13
	6376 Dec 16 16:00	0°♒		max. Earth dist.	6377 Dec 01 11:48	17°♑15'47	1.40648 AU
desc. node	6376 Dec 17 07:19	1°♒04'06		desc. node	6377 Dec 04 04:20	21°♑49'27	
max. Earth dist.	6376 Dec 19 03:12	4°♒05'58	1.42611 AU	evening rise	6377 Dec 05 23:49	24°♑50'08	
evening rise	6376 Dec 25 10:10	14°♒14'22			6377 Dec 09 04:03	0°♒	
	6377 Jan 04 17:16	0°♓			6377 Dec 29 13:09	0°♓	
evening max el	6377 Jan 26 19:14	29°♓18'14	22°09'12	evening max el	6378 Jan 09 10:28	12°♓59'05	23°28'57
	6377 Jan 27 12:05	0°♈		retrograde	6378 Jan 20 01:11	19°♓15'13	
retrograde	6377 Feb 05 07:02	4°♈56'28		evening set	6378 Jan 25 02:03	17°♓10'04	
asc. node	6377 Feb 07 14:27	4°♈28'39		asc. node	6378 Jan 25 11:32	16°♓49'19	
evening set	6377 Feb 09 19:44	3°♈06'34		min. Earth dist.	6378 Jan 29 23:36	11°♓26'55	0.68157 AU
	6377 Feb 12 18:16	30°♈		inferior conj	6378 Jan 30 12:05	10°♓44'09	1°36'38
inferior conj	6377 Feb 15 03:55	26°♈45'56	2°17'46	minimum elong	6378 Jan 30 10:06	10°♓50'54	1°35'57
minimum elong	6377 Feb 15 01:35	26°♈54'03	2°17'03	morning rise	6378 Feb 04 18:06	4°♈38'26	
min. Earth dist.	6377 Feb 15 02:50	26°♈49'42	0.68214 AU	direct	6378 Feb 08 23:06	2°♈59'23	
morning rise	6377 Feb 20 07:16	20°♈35'17		morning max el	6378 Feb 17 07:12	7°♈47'18	20°58'15
direct	6377 Feb 25 02:17	18°♈33'26		desc. node	6378 Mar 02 03:41	24°♈05'12	
morning max el	6377 Mar 06 14:38	24°♈09'27	22°20'23		6378 Mar 06 05:49	0°♈	
	6377 Mar 11 18:58	0°♉		morning set	6378 Mar 19 13:42	20°♈13'28	
desc. node	6377 Mar 15 06:41	4°♉27'05			6378 Mar 25 17:23	0°♉	
	6377 Apr 01 21:56	0°♊		max. Earth dist.	6378 Mar 27 10:44	2°♉47'34	1.42776 AU
morning set	6377 Apr 09 03:42	11°♊29'28					
max. Earth dist.	6377 Apr 14 07:03	20°♊00'28	1.40767 AU	superior conj	6378 Apr 03 11:57	14°♊30'46	-2°08'02
	6377 Apr 20 02:00	0°♋		minimum elong	6378 Apr 03 14:37	14°♊42'03	2°08'00
superior conj	6377 Apr 22 02:20	3°♋34'48	-1°52'48		6378 Apr 12 09:33	0°♋	
minimum elong	6377 Apr 22 07:31	3°♋58'04	1°52'23	evening rise	6378 Apr 15 05:04	5°♋01'09	
evening rise	6377 May 02 08:06	22°♋28'44		asc. node	6378 Apr 23 10:44	19°♋28'25	
	6377 May 06 09:07	0°♌			6378 Apr 30 17:35	0°♌	
asc. node	6377 May 06 13:40	0°♌20'48		evening max el	6378 May 01 22:52	1°♌17'33	18°06'20
evening max el	6377 May 18 11:25	18°♌16'47	18°19'20	retrograde	6378 May 08 13:21	4°♌40'25	
retrograde	6377 May 25 17:34	21°♌54'07		evening set	6378 May 11 04:35	4°♌08'06	
evening set	6377 May 28 01:42	21°♌32'27			6378 May 16 21:25	30°♌	
inferior conj	6377 Jun 04 08:14	16°♌54'06	1°54'06	inferior conj	6378 May 17 18:33	29°♌09'08	2°49'29
minimum elong	6377 Jun 04 11:27	16°♌47'20	1°53'06	minimum elong	6378 May 17 21:29	29°♌01'59	2°48'50
min. Earth dist.	6377 Jun 07 18:27	14°♌02'44	0.58877 AU	min. Earth dist.	6378 May 20 22:44	26°♌05'17	0.61106 AU
desc. node	6377 Jun 11 05:57	11°♌36'26		morning rise	6378 May 24 12:16	23°♌12'29	
morning rise	6377 Jun 11 18:05	11°♌19'15		desc. node	6378 May 29 03:00	21°♌10'26	
direct	6377 Jun 17 23:00	9°♌35'55		direct	6378 May 31 04:46	20°♌57'41	
morning max el	6377 Jul 02 08:13	17°♌23'01	27°17'44	morning max el	6378 Jun 14 10:44	28°♌55'40	27°51'24
	6377 Jul 12 19:10	0°♍			6378 Jun 15 12:00	0°♌	
	6377 Jul 30 07:11	0°♎		morning set	6378 Jul 06 16:37	0°♍	
					6378 Jul 17 08:23	20°♍17'10	

asc. node	6378 Jul 20 09:59	26° \mathfrak{D} 43'31		6379 Jun 11 14:27	0° \mathbb{I}	
	6378 Jul 21 22:31	0° \mathcal{Q}		6379 Jun 29 01:54	0° \mathfrak{D}	
max. Earth dist.	6378 Jul 23 06:40	2° \mathcal{Q} 54'51	1.32007 AU	morning set	6379 Jul 01 06:06	4° \mathfrak{D} 17'50
				max. Earth dist.	6379 Jul 06 11:11	15° \mathfrak{D} 04'19 1.32645 AU
superior conj	6378 Jul 24 16:24	5° \mathcal{Q} 59'43	0°42'57	asc. node	6379 Jul 07 07:01	16° \mathfrak{D} 49'57
minimum elong	6378 Jul 24 14:37	5° \mathcal{Q} 49'56	0°42'33			
evening rise	6378 Jul 31 11:36	20° \mathcal{Q} 51'24		superior conj	6379 Jul 09 00:10	20° \mathfrak{D} 31'12 0°17'38
	6378 Aug 04 21:31	0° \mathfrak{M}		minimum elong	6379 Jul 08 23:20	20° \mathfrak{D} 26'41 0°17'24
	6378 Aug 23 23:21	0° \mathfrak{L}			6379 Jul 13 08:57	0° \mathcal{Q}
desc. node	6378 Aug 25 02:10	1° \mathfrak{L} 12'27		evening rise	6379 Jul 15 23:22	5° \mathcal{Q} 35'45
evening max el	6378 Aug 26 18:38	2° \mathfrak{L} 53'59	25°01'25		6379 Jul 28 21:48	0° \mathfrak{M}
retrograde	6378 Sep 09 16:03	9° \mathfrak{L} 54'50		evening max el	6379 Aug 08 06:32	13° \mathfrak{M} 15'45 23°25'13
evening set	6378 Sep 15 05:54	8° \mathfrak{L} 44'20		desc. node	6379 Aug 11 23:13	16° \mathfrak{M} 24'12
min. Earth dist.	6378 Sep 20 06:01	6° \mathfrak{L} 01'24	0.57273 AU	retrograde	6379 Aug 21 19:19	20° \mathfrak{M} 02'44
inferior conj	6378 Sep 23 03:38	4° \mathfrak{L} 06'02	-5°21'51	evening set	6379 Aug 25 21:38	19° \mathfrak{M} 25'57
minimum elong	6378 Sep 23 05:57	4° \mathfrak{L} 02'11	5°21'42	min. Earth dist.	6379 Sep 01 16:01	16° \mathfrak{M} 17'01 0.55687 AU
morning rise	6378 Oct 01 08:14	29° \mathfrak{M} 56'05		inferior conj	6379 Sep 03 14:24	15° \mathfrak{M} 08'35 -5°14'50
	6378 Oct 01 01:59	30° \mathfrak{R} \mathfrak{M}		minimum elong	6379 Sep 03 09:55	15° \mathfrak{M} 15'13 5°14'24
direct	6378 Oct 03 21:11	29° \mathfrak{M} 37'28		morning rise	6379 Sep 12 00:34	11° \mathfrak{M} 16'05
	6378 Oct 06 14:16	0° \mathfrak{L}		direct	6379 Sep 14 22:08	10° \mathfrak{M} 55'37
morning max el	6378 Oct 12 22:50	3° \mathfrak{L} 55'03	19°10'29	morning max el	6379 Sep 25 11:59	15° \mathfrak{M} 51'17 20°20'44
asc. node	6378 Oct 16 09:18	7° \mathfrak{L} 45'25		asc. node	6379 Oct 03 06:20	25° \mathfrak{M} 35'24
	6378 Oct 29 07:54	0° \mathfrak{M}			6379 Oct 05 22:38	0° \mathfrak{L}
morning set	6378 Oct 29 20:09	1° \mathfrak{M} 00'45		morning set	6379 Oct 14 02:03	15° \mathfrak{L} 38'33
					6379 Oct 21 01:41	0° \mathfrak{M}
superior conj	6378 Nov 07 01:11	17° \mathfrak{M} 14'33	1°29'08			
minimum elong	6378 Nov 07 03:56	17° \mathfrak{M} 27'52	1°28'55	superior conj	6379 Oct 21 16:10	1° \mathfrak{M} 13'25 1°39'44
max. Earth dist.	6378 Nov 13 17:28	29° \mathfrak{M} 45'18	1.38512 AU	minimum elong	6379 Oct 21 17:29	1° \mathfrak{M} 20'05 1°39'42
	6378 Nov 13 20:43	0° \mathfrak{X}		max. Earth dist.	6379 Oct 27 00:07	11° \mathfrak{M} 44'30 1.36458 AU
evening rise	6378 Nov 17 12:02	6° \mathfrak{X} 26'48		evening rise	6379 Oct 30 20:45	18° \mathfrak{M} 58'39
desc. node	6378 Nov 21 01:21	12° \mathfrak{X} 30'15			6379 Nov 06 02:57	0° \mathfrak{X}
	6378 Dec 02 03:36	0° \mathfrak{Z}		desc. node	6379 Nov 07 22:22	3° \mathfrak{X} 01'39
evening max el	6378 Dec 22 23:42	26° \mathfrak{Z} 43'37	24°47'18		6379 Nov 26 07:12	0° \mathfrak{Z}
	6378 Dec 26 15:51	0° \mathfrak{A}		evening max el	6379 Dec 05 12:22	10° \mathfrak{Z} 28'25 25°57'19
retrograde	6379 Jan 03 15:25	3° \mathfrak{A} 30'40		retrograde	6379 Dec 18 00:57	17° \mathfrak{Z} 36'28
evening set	6379 Jan 09 05:25	1° \mathfrak{A} 11'11		evening set	6379 Dec 24 04:04	15° \mathfrak{Z} 05'22
	6379 Jan 10 11:41	30° \mathfrak{R} \mathfrak{Z}		min. Earth dist.	6379 Dec 28 10:34	10° \mathfrak{Z} 31'13 0.66926 AU
asc. node	6379 Jan 12 08:35	27° \mathfrak{Z} 52'15		inferior conj	6379 Dec 29 21:27	8° \mathfrak{Z} 42'02 -0°06'54
min. Earth dist.	6379 Jan 13 18:56	26° \mathfrak{Z} 02'17	0.67725 AU	minimum elong	6379 Dec 29 21:38	8° \mathfrak{Z} 41'28 0°06'46
inferior conj	6379 Jan 14 18:34	24° \mathfrak{Z} 44'09	0°48'11	transit middle	6379 Dec 29 21:38	8° \mathfrak{Z} 41'28 0°06'46
minimum elong	6379 Jan 14 17:25	24° \mathfrak{Z} 47'55	0°47'46	transit begin	6379 Dec 29 19:03	8° \mathfrak{Z} 49'33
morning rise	6379 Jan 20 05:36	18° \mathfrak{Z} 45'13		transit end	6379 Dec 30 00:13	8° \mathfrak{Z} 33'24
direct	6379 Jan 23 21:41	17° \mathfrak{Z} 27'54		asc. node	6379 Dec 30 05:37	8° \mathfrak{Z} 16'32
morning max el	6379 Jan 31 07:44	21° \mathfrak{Z} 37'55	19°48'21	morning rise	6380 Jan 04 15:44	2° \mathfrak{Z} 51'54
	6379 Feb 07 06:14	0° \mathfrak{A}		direct	6380 Jan 07 20:26	1° \mathfrak{Z} 53'31
greatest brilliancy	6379 Feb 13 07:25	8° \mathfrak{A} 36'09	-0.6m	morning max el	6380 Jan 14 15:51	5° \mathfrak{Z} 37'47 18°53'26
desc. node	6379 Feb 17 00:40	14° \mathfrak{A} 07'58			6380 Feb 01 00:51	0° \mathfrak{A}
morning set	6379 Feb 26 10:22	28° \mathfrak{A} 27'37		desc. node	6380 Feb 03 21:39	4° \mathfrak{A} 28'11
	6379 Feb 27 10:19	0° \mathfrak{H}		morning set	6380 Feb 05 18:21	7° \mathfrak{A} 22'45
max. Earth dist.	6379 Mar 09 22:05	16° \mathfrak{H} 25'23	1.44315 AU		6380 Feb 20 05:29	0° \mathfrak{H}
				max. Earth dist.	6380 Feb 20 14:31	0° \mathfrak{H} 35'27 1.45212 AU
superior conj	6379 Mar 14 20:20	24° \mathfrak{H} 19'43	-2°07'56			
minimum elong	6379 Mar 14 17:02	24° \mathfrak{H} 06'21	2°07'50	superior conj	6380 Feb 22 07:01	3° \mathfrak{H} 14'33 -1°48'06
	6379 Mar 18 07:47	0° \mathfrak{Y}		minimum elong	6380 Feb 21 22:06	2° \mathfrak{H} 39'29 1°47'21
evening rise	6379 Mar 28 07:00	16° \mathfrak{Y} 41'42		evening rise	6380 Mar 08 10:10	27° \mathfrak{H} 24'02
	6379 Apr 05 03:54	0° \mathfrak{B}			6380 Mar 10 00:37	0° \mathfrak{Y}
asc. node	6379 Apr 10 07:48	8° \mathfrak{B} 06'33		asc. node	6380 Mar 27 04:50	26° \mathfrak{Y} 05'34
evening max el	6379 Apr 15 11:56	14° \mathfrak{B} 35'37	18°12'26	evening max el	6380 Mar 28 23:46	28° \mathfrak{Y} 03'41 18°36'58
retrograde	6379 Apr 21 21:28	17° \mathfrak{B} 58'58			6380 Mar 31 04:50	0° \mathfrak{B}
evening set	6379 Apr 24 19:18	17° \mathfrak{B} 14'31		retrograde	6380 Apr 04 13:31	1° \mathfrak{B} 40'28
inferior conj	6379 Apr 30 20:50	11° \mathfrak{B} 56'24	3°19'14	evening set	6380 Apr 07 18:02	0° \mathfrak{B} 42'56
minimum elong	6379 Apr 30 22:25	11° \mathfrak{B} 52'01	3°19'02		6380 Apr 08 19:07	30° \mathfrak{R} \mathfrak{Y}
min. Earth dist.	6379 May 03 12:08	9° \mathfrak{B} 03'13	0.63234 AU	inferior conj	6380 Apr 13 10:54	25° \mathfrak{Y} 07'28 3°29'02
morning rise	6379 May 07 00:17	5° \mathfrak{B} 47'20		minimum elong	6380 Apr 13 11:00	25° \mathfrak{Y} 07'12 3°29'00
direct	6379 May 13 19:50	3° \mathfrak{B} 09'34		min. Earth dist.	6380 Apr 15 10:57	22° \mathfrak{Y} 42'26 0.65063 AU
desc. node	6379 May 16 00:01	3° \mathfrak{B} 24'07		morning rise	6380 Apr 19 03:18	18° \mathfrak{Y} 52'49
morning max el	6379 May 27 18:30	11° \mathfrak{B} 10'38	27°47'04	direct	6380 Apr 25 18:48	16° \mathfrak{Y} 04'28

desc. node	6380 May 01 21:01	17° Υ 59'10		min. Earth dist.	6381 Mar 29 18:06	6° Υ 49'26	0.66500 AU
morning max el	6380 May 09 04:37	23° Υ 57'54	27°08'27	morning rise	6381 Apr 02 18:06	2° Υ 19'45	
	6380 May 14 14:24	0° \mathcal{B}			6381 Apr 06 11:04	30° $\mathcal{R}\mathcal{H}$	
	6380 Jun 03 23:22	0° Π		direct	6381 Apr 09 00:17	29° \mathcal{H} 33'33	
morning set	6380 Jun 13 18:29	17° Π 48'39			6381 Apr 11 17:01	0° Υ	
max. Earth dist.	6380 Jun 18 06:41	26° Π 45'54	1.33746 AU	desc. node	6381 Apr 18 18:01	4° Υ 22'43	
	6380 Jun 19 20:31	0° \mathcal{E}		morning max el	6381 Apr 21 14:28	7° Υ 04'22	26°03'00
					6381 May 09 09:22	0° \mathcal{B}	
superior conj	6380 Jun 22 02:59	4° \mathcal{E} 44'07	-0°10'43		6381 May 27 09:29	0° Π	
minimum elong	6380 Jun 22 03:33	4° \mathcal{E} 47'06	0°10'39	morning set	6381 May 27 17:39	0° Π 37'47	
behind sun begin	6380 Jun 21 23:20	4° \mathcal{E} 24'56		max. Earth dist.	6381 May 31 14:47	7° Π 58'21	1.35322 AU
behind sun end	6380 Jun 22 07:46	5° \mathcal{E} 09'18					
asc. node	6380 Jun 23 04:03	6° \mathcal{E} 56'27		superior conj	6381 Jun 05 22:16	18° Π 30'35	-0°41'00
evening rise	6380 Jun 29 10:09	20° \mathcal{E} 13'28		minimum elong	6381 Jun 06 00:35	18° Π 42'23	0°40'35
	6380 Jul 04 05:14	0° Ω		asc. node	6381 Jun 10 01:04	26° Π 58'14	
evening max el	6380 Jul 19 22:09	23° Ω 37'57	21°48'48		6381 Jun 11 12:08	0° \mathcal{E}	
desc. node	6380 Jul 28 20:16	29° Ω 20'25		evening rise	6381 Jun 13 17:50	4° \mathcal{E} 37'28	
retrograde	6380 Aug 01 11:40	29° Ω 51'46			6381 Jun 28 02:39	0° Ω	
evening set	6380 Aug 04 04:17	29° Ω 35'27		evening max el	6381 Jul 02 00:40	4° Ω 30'10	20°24'56
inferior conj	6380 Aug 13 10:32	25° Ω 34'03	-4°15'14	retrograde	6381 Jul 13 00:08	9° Ω 53'47	
minimum elong	6380 Aug 13 01:30	25° Ω 46'42	4°12'59	evening set	6381 Jul 14 23:37	9° Ω 44'02	
min. Earth dist.	6380 Aug 13 01:38	25° Ω 46'32	0.54828 AU	desc. node	6381 Jul 15 17:18	9° Ω 35'37	
morning rise	6380 Aug 22 00:05	21° Ω 43'40		inferior conj	6381 Jul 24 04:15	5° Ω 46'45	-2°30'53
direct	6380 Aug 25 09:05	21° Ω 18'40		minimum elong	6381 Jul 23 21:19	5° Ω 56'50	2°28'27
morning max el	6380 Sep 06 12:57	27° Ω 01'33	21°50'58	min. Earth dist.	6381 Jul 25 12:39	4° Ω 59'38	0.54909 AU
	6380 Sep 09 10:06	0° \mathcal{M}		morning rise	6381 Aug 01 18:05	1° Ω 38'29	
asc. node	6380 Sep 19 03:20	14° \mathcal{M} 09'14		direct	6381 Aug 05 19:08	1° Ω 03'13	
morning set	6380 Sep 27 11:41	0° $\underline{\mathcal{A}}$ 26'11		morning max el	6381 Aug 19 04:44	7° Ω 33'31	23°34'01
	6380 Sep 27 06:40	0° $\underline{\mathcal{A}}$			6381 Sep 04 06:27	0° \mathcal{M}	
				asc. node	6381 Sep 06 00:21	3° \mathcal{M} 15'30	
superior conj	6380 Oct 04 16:18	15° $\underline{\mathcal{A}}$ 38'36	1°42'38	morning set	6381 Sep 11 23:06	15° \mathcal{M} 17'28	
minimum elong	6380 Oct 04 16:12	15° $\underline{\mathcal{A}}$ 38'06	1°42'40				
max. Earth dist.	6380 Oct 08 12:56	23° $\underline{\mathcal{A}}$ 36'57	1.34698 AU	superior conj	6381 Sep 18 22:30	0° $\underline{\mathcal{A}}$ 20'02	1°38'57
	6380 Oct 11 17:57	0° \mathcal{M}		minimum elong	6381 Sep 18 21:16	0° $\underline{\mathcal{A}}$ 13'22	1°38'53
evening rise	6380 Oct 12 22:09	2° \mathcal{M} 16'27			6381 Sep 18 18:48	0° $\underline{\mathcal{A}}$	
desc. node	6380 Oct 24 19:25	23° \mathcal{M} 18'38		max. Earth dist.	6381 Sep 21 10:33	5° $\underline{\mathcal{A}}$ 41'22	1.33336 AU
	6380 Oct 29 01:32	0° \mathcal{A}		evening rise	6381 Sep 26 12:08	16° $\underline{\mathcal{A}}$ 08'42	
evening max el	6380 Nov 17 01:15	24° \mathcal{A} 07'58	26°51'37		6381 Oct 03 19:28	0° \mathcal{M}	
	6380 Nov 24 20:19	0° \mathcal{B}		desc. node	6381 Oct 11 16:28	13° \mathcal{M} 13'53	
retrograde	6380 Nov 30 05:05	1° \mathcal{B} 25'49			6381 Oct 23 15:58	0° \mathcal{A}	
	6380 Dec 05 02:58	30° $\mathcal{R}\mathcal{A}$		evening max el	6381 Oct 30 13:40	7° \mathcal{A} 31'54	27°22'58
evening set	6380 Dec 06 20:05	28° \mathcal{A} 48'04		retrograde	6381 Nov 13 03:01	14° \mathcal{A} 50'18	
min. Earth dist.	6380 Dec 10 20:17	24° \mathcal{A} 48'44	0.65770 AU	evening set	6381 Nov 20 03:00	12° \mathcal{A} 13'18	
inferior conj	6380 Dec 12 18:44	22° \mathcal{A} 33'51	-1°07'36	min. Earth dist.	6381 Nov 23 21:50	8° \mathcal{A} 47'30	0.64272 AU
minimum elong	6380 Dec 12 20:40	22° \mathcal{A} 28'14	1°06'44	inferior conj	6381 Nov 26 07:59	6° \mathcal{A} 13'54	-2°12'20
asc. node	6380 Dec 16 02:37	18° \mathcal{A} 58'50		minimum elong	6381 Nov 26 11:57	6° \mathcal{A} 03'25	2°10'44
morning rise	6380 Dec 18 22:14	16° \mathcal{A} 54'58		morning rise	6381 Dec 02 22:20	0° \mathcal{A} 49'19	
direct	6380 Dec 21 17:32	16° \mathcal{A} 11'46		asc. node	6381 Dec 02 23:38	0° \mathcal{A} 47'59	
morning max el	6380 Dec 28 05:35	19° \mathcal{A} 41'20	18°14'51	direct	6381 Dec 05 10:35	0° \mathcal{A} 17'18	
	6381 Jan 05 03:07	0° \mathcal{B}		morning max el	6381 Dec 11 22:17	3° \mathcal{A} 41'38	17°53'21
morning set	6381 Jan 16 06:08	17° \mathcal{B} 43'19		morning set	6381 Dec 28 22:40	29° \mathcal{A} 28'48	
desc. node	6381 Jan 20 18:39	25° \mathcal{B} 00'57			6381 Dec 29 06:02	0° \mathcal{B}	
	6381 Jan 23 21:22	0° \approx		desc. node	6382 Jan 07 15:41	15° \mathcal{B} 42'07	
superior conj	6381 Jan 31 10:57	11° \approx 58'35	-1°10'30	superior conj	6382 Jan 11 03:56	21° \mathcal{B} 24'48	-0°24'42
minimum elong	6381 Jan 31 02:41	11° \approx 26'04	1°09'29	minimum elong	6382 Jan 11 01:04	21° \mathcal{B} 13'13	0°24'14
max. Earth dist.	6381 Feb 02 09:27	15° \approx 01'05	1.45380 AU	max. Earth dist.	6382 Jan 16 04:38	29° \mathcal{B} 27'12	1.44810 AU
	6381 Feb 11 23:36	0° \mathcal{H}			6382 Jan 16 12:56	0° \approx	
evening rise	6381 Feb 16 14:38	7° \mathcal{H} 13'20		evening rise	6382 Jan 27 03:50	16° \approx 32'04	
greatest brilliancy	6381 Feb 28 04:30	25° \mathcal{H} 11'17	-0.7m		6382 Feb 05 00:18	0° \mathcal{H}	
	6381 Mar 03 09:31	0° Υ		evening max el	6382 Feb 23 11:46	25° \mathcal{H} 12'58	20°15'49
evening max el	6381 Mar 12 08:12	11° Υ 36'58	19°18'44	asc. node	6382 Feb 28 22:53	29° \mathcal{H} 17'57	
asc. node	6381 Mar 14 01:51	13° Υ 13'53		retrograde	6382 Mar 03 08:10	29° \mathcal{H} 47'49	
retrograde	6381 Mar 19 09:56	15° Υ 38'18		evening set	6382 Mar 07 04:41	28° \mathcal{H} 21'43	
evening set	6381 Mar 22 21:53	14° Υ 26'51		inferior conj	6382 Mar 12 13:15	22° \mathcal{H} 17'00	3°05'37
inferior conj	6381 Mar 28 09:19	8° Υ 35'45	3°23'24	minimum elong	6382 Mar 12 11:17	22° \mathcal{H} 23'39	3°05'15
minimum elong	6381 Mar 28 08:10	8° Υ 39'28	3°23'17	min. Earth dist.	6382 Mar 13 07:50	21° \mathcal{H} 13'51	0.67503 AU

morning rise	6382 Mar 17 17:40	16° H 02'00	direct	6383 Mar 07 02:39	27° \approx 40'10	
direct	6382 Mar 23 11:13	13° H 28'24		6383 Mar 13 01:27	0° H	
morning max el	6382 Apr 03 23:18	20° H 21'24 24°40'32	morning max el	6383 Mar 17 08:38	3° H 45'03 23°11'14	
desc. node	6382 Apr 05 15:01	22° H 05'33	desc. node	6383 Mar 23 12:02	10° H 44'50	
	6382 Apr 12 05:42	0° Y		6383 Apr 06 10:06	0° Y	
	6382 May 02 13:45	0° B	morning set	6383 Apr 21 03:59	23° Y 16'12	
morning set	6382 May 09 22:46	12° B 32'06		6383 Apr 25 02:56	0° B	
max. Earth dist.	6382 May 13 13:34	19° B 01'30 1.37306 AU	max. Earth dist.	6383 Apr 25 09:25	0° B 28'02 1.39509 AU	
	6382 May 19 09:44	0° II				
superior conj	6382 May 20 06:59	1° II 42'53 -1°11'27	superior conj	6383 May 03 01:08	14° B 10'35 -1°39'22	
minimum elong	6382 May 20 11:06	2° II 02'55 1°10'48	minimum elong	6383 May 03 06:25	14° B 35'00 1°38'47	
asc. node	6382 May 27 22:06	16° II 51'32		6383 May 11 09:28	0° II	
evening rise	6382 May 28 20:07	18° II 41'30	evening rise	6383 May 12 14:01	2° II 17'18	
	6382 Jun 03 16:16	0° E	asc. node	6383 May 14 19:09	6° II 31'27	
evening max el	6382 Jun 14 15:59	16° E 05'03 19°19'57	evening max el	6383 May 28 17:51	28° II 19'56 18°35'32	
retrograde	6382 Jun 23 22:09	20° E 37'41	retrograde	6383 May 30 16:05	0° E	
evening set	6382 Jun 25 20:21	20° E 26'44	evening set	6383 Jun 05 14:25	2° E 13'16	
desc. node	6382 Jul 02 14:18	17° E 28'32		6383 Jun 07 18:17	1° E 56'35	
inferior conj	6382 Jul 04 09:50	16° E 18'31 -0°32'46	inferior conj	6383 Jun 11 23:53	30° R II	
minimum elong	6382 Jul 04 08:24	16° E 20'53 0°32'16	minimum elong	6383 Jun 15 11:50	27° II 29'39 1°08'45	
min. Earth dist.	6382 Jul 07 02:09	14° E 33'27 0.55929 AU	min. Earth dist.	6383 Jun 15 14:12	27° II 25'04 1°07'54	
morning rise	6382 Jul 12 17:38	11° E 37'08	desc. node	6383 Jun 18 19:55	24° II 56'55 0.57670 AU	
direct	6382 Jul 17 15:09	10° E 42'32	morning rise	6383 Jun 19 11:20	24° II 29'15	
morning max el	6382 Jul 31 17:48	17° E 51'13 25°16'32	direct	6383 Jun 23 06:46	22° II 12'01	
	6382 Aug 10 19:01	0° O	morning max el	6383 Jun 29 01:13	20° II 48'19	
asc. node	6382 Aug 23 21:23	22° O 45'54		6383 Jul 13 10:27	28° II 24'28 26°42'02	
morning set	6382 Aug 27 10:43	0° P 07'48		6383 Jul 15 00:17	0° E	
	6382 Aug 27 09:15	0° P	asc. node	6383 Aug 04 09:53	0° O	
			morning set	6383 Aug 10 18:26	12° O 33'35	
superior conj	6382 Sep 03 08:26	15° P 10'32 1°29'30		6383 Aug 11 20:54	14° O 52'20	
minimum elong	6382 Sep 03 06:27	14° P 59'40 1°29'17	superior conj	6383 Aug 18 20:07	0° P 03'53 1°14'58	
max. Earth dist.	6382 Sep 04 15:54	18° P 02'55 1.32406 AU	minimum elong	6383 Aug 18 17:51	29° O 51'17 1°14'36	
evening rise	6382 Sep 10 11:18	0° A 25'58		6383 Aug 18 19:25	0° P	
	6382 Sep 10 06:17	0° A	max. Earth dist.	6383 Aug 19 01:52	0° P 35'41 1.31905 AU	
	6382 Sep 26 19:46	0° M	evening rise	6383 Aug 25 16:50	15° P 00'06	
desc. node	6382 Sep 28 13:31	2° M 38'26		6383 Sep 02 05:46	0° A	
evening max el	6382 Oct 12 23:25	20° M 26'48 27°24'57	desc. node	6383 Sep 15 10:33	21° A 19'59	
retrograde	6382 Oct 26 17:55	27° M 41'04		6383 Sep 22 12:22	0° M	
evening set	6382 Nov 02 21:38	25° M 14'23	evening max el	6383 Sep 25 03:44	2° M 39'56 26°53'43	
min. Earth dist.	6382 Nov 06 13:17	22° M 17'37 0.62473 AU	retrograde	6383 Oct 09 01:10	9° M 49'44	
inferior conj	6382 Nov 09 10:19	19° M 34'57 -3°18'09	evening set	6383 Oct 15 23:56	7° M 44'50	
minimum elong	6382 Nov 09 16:11	19° M 21'06 3°16'08	min. Earth dist.	6383 Oct 19 17:52	5° M 06'53 0.60453 AU	
morning rise	6382 Nov 16 12:34	14° M 28'09	inferior conj	6383 Oct 22 22:27	2° M 28'36 -4°19'31	
direct	6382 Nov 18 20:27	14° M 03'43	minimum elong	6383 Oct 23 05:09	2° M 14'42 4°17'47	
asc. node	6382 Nov 19 20:40	14° M 08'26		6383 Oct 26 02:24	30° R A	
morning max el	6382 Nov 25 14:54	17° M 31'12 17°49'36	morning rise	6383 Oct 30 12:30	27° A 43'03	
	6382 Dec 04 12:54	0° X	direct	6383 Nov 01 19:10	27° A 23'04	
morning set	6382 Dec 11 13:54	12° X 19'07	asc. node	6383 Nov 06 17:44	29° A 01'56	
	6382 Dec 21 16:30	0° B		6383 Nov 08 00:41	0° M	
superior conj	6382 Dec 22 21:38	2° B 03'28 0°18'49	morning max el	6383 Nov 09 04:15	1° M 02'20 18°04'42	
minimum elong	6382 Dec 22 23:24	2° B 10'58 0°18'35	morning set	6383 Nov 24 21:31	25° M 55'51	
desc. node	6382 Dec 25 12:42	6° B 27'36		6383 Nov 27 01:53	0° X	
max. Earth dist.	6382 Dec 29 21:08	13° B 35'36 1.43569 AU	superior conj	6383 Dec 04 16:56	13° X 56'31 0°53'56	
evening rise	6383 Jan 06 15:57	25° B 55'18	minimum elong	6383 Dec 04 20:34	14° X 12'42 0°53'28	
	6383 Jan 09 07:24	0° \approx	desc. node	6383 Dec 12 09:44	27° X 14'22	
	6383 Jan 30 00:05	0° H	max. Earth dist.	6383 Dec 12 08:39	27° X 09'50 1.41807 AU	
evening max el	6383 Feb 06 09:46	8° H 49'36 21°25'16		6383 Dec 14 01:36	0° B	
retrograde	6383 Feb 15 06:06	14° H 04'05	evening rise	6383 Dec 17 17:39	5° B 58'22	
asc. node	6383 Feb 15 19:55	14° H 02'20		6384 Jan 02 13:12	0° \approx	
evening set	6383 Feb 19 12:34	12° H 22'44	evening max el	6384 Jan 20 02:54	22° \approx 28'04 22°42'48	
inferior conj	6383 Feb 24 20:22	6° H 06'56 2°37'46	retrograde	6384 Jan 30 02:10	28° \approx 23'19	
minimum elong	6383 Feb 24 18:03	6° H 15'00 2°37'10	asc. node	6384 Feb 02 16:58	27° \approx 16'09	
min. Earth dist.	6383 Feb 25 02:05	5° H 47'08 0.68073 AU	evening set	6384 Feb 03 19:57	26° \approx 26'38	
morning rise	6383 Mar 01 23:21	29° \approx 54'27	inferior conj	6384 Feb 09 04:42	20° \approx 03'02 2°01'15	
	6383 Mar 01 20:53	30° R \approx	minimum elong	6384 Feb 09 02:28	20° \approx 10'48 2°00'32	

min. Earth dist.	6384 Feb 08 22:37	20° \approx 24'09	0.68235 AU	morning rise	6385 Jan 28 20:14	27° \approx 59'02	
morning rise	6384 Feb 14 08:54	13° \approx 54'24		direct	6385 Feb 01 19:29	26° \approx 29'34	
direct	6384 Feb 18 21:46	12° \approx 02'30			6385 Feb 08 16:12	0° \approx	
morning max el	6384 Feb 27 21:43	17° \approx 17'19	21°44'17	morning max el	6385 Feb 09 17:32	1° \approx 00'30	20°26'46
desc. node	6384 Mar 09 09:03	0° \approx 04'54		desc. node	6385 Feb 24 06:03	19° \approx 54'22	
	6384 Mar 09 07:37	0° \approx			6385 Mar 03 01:02	0° \approx	
	6384 Mar 29 12:29	0° \approx		morning set	6385 Mar 10 06:45	11° \approx 04'26	
morning set	6384 Mar 31 05:06	2° \approx 41'18		max. Earth dist.	6385 Mar 19 15:19	25° \approx 50'24	1.43491 AU
max. Earth dist.	6384 Apr 06 08:54	12° \approx 42'35	1.41662 AU		6385 Mar 22 04:58	0° \approx	
superior conj	6384 Apr 13 23:59	25° \approx 42'48	-2°00'46	superior conj	6385 Mar 25 23:00	6° \approx 10'16	-2°10'14
minimum elong	6384 Apr 14 04:32	26° \approx 02'43	2°00'31	minimum elong	6385 Mar 25 23:29	6° \approx 12'13	2°10'14
	6384 Apr 16 10:17	0° \approx		evening rise	6385 Apr 07 09:19	27° \approx 27'16	
evening rise	6384 Apr 24 19:54	15° \approx 15'54			6385 Apr 08 20:11	0° \approx	
asc. node	6384 Apr 30 16:12	25° \approx 52'47		asc. node	6385 Apr 17 13:15	14° \approx 49'07	
	6384 May 03 01:35	0° \approx		evening max el	6385 Apr 24 15:24	24° \approx 16'28	18°06'42
evening max el	6384 May 11 02:51	11° \approx 06'48	18°11'22	retrograde	6385 May 01 02:39	27° \approx 37'48	
retrograde	6384 May 18 01:09	14° \approx 36'24		evening set	6385 May 03 20:40	27° \approx 00'35	
evening set	6384 May 20 12:12	14° \approx 10'36		inferior conj	6385 May 10 04:53	21° \approx 53'38	3°04'51
inferior conj	6384 May 27 11:14	9° \approx 23'23	2°21'02	minimum elong	6385 May 10 07:19	21° \approx 47'23	3°04'25
minimum elong	6384 May 27 14:32	9° \approx 15'57	2°20'08	min. Earth dist.	6385 May 13 04:17	18° \approx 51'25	0.62033 AU
min. Earth dist.	6384 May 30 20:04	6° \approx 23'26	0.59817 AU	morning rise	6385 May 16 16:11	15° \approx 50'39	
morning rise	6384 Jun 03 14:04	3° \approx 37'34		direct	6385 May 23 11:05	13° \approx 24'20	
desc. node	6384 Jun 05 08:22	2° \approx 42'19		desc. node	6385 May 23 05:22	13° \approx 24'30	
direct	6384 Jun 10 00:45	1° \approx 40'13		morning max el	6385 Jun 06 14:30	21° \approx 25'27	27°54'01
morning max el	6384 Jun 24 09:31	9° \approx 33'43	27°36'43		6385 Jun 14 01:28	0° \approx	
	6384 Jul 10 02:50	0° \approx			6385 Jul 03 04:40	0° \approx	
morning set	6384 Jul 26 03:51	29° \approx 24'50		morning set	6385 Jul 10 05:37	13° \approx 39'27	
	6384 Jul 26 10:35	0° \approx		asc. node	6385 Jul 14 12:30	22° \approx 37'23	
asc. node	6384 Jul 27 15:28	2° \approx 32'15		max. Earth dist.	6385 Jul 15 20:24	25° \approx 28'56	1.32220 AU
max. Earth dist.	6384 Aug 01 12:38	13° \approx 08'13	1.31839 AU	superior conj	6385 Jul 17 17:26	29° \approx 33'43	0°32'39
superior conj	6384 Aug 02 07:42	14° \approx 53'25	0°55'51	minimum elong	6385 Jul 17 15:59	29° \approx 25'51	0°32'19
minimum elong	6384 Aug 02 05:36	14° \approx 41'48	0°55'26		6385 Jul 17 22:14	0° \approx	
evening rise	6384 Aug 09 02:20	29° \approx 43'09		evening rise	6385 Jul 24 13:50	14° \approx 29'06	
	6384 Aug 09 05:30	0° \approx			6385 Aug 01 07:02	0° \approx	
	6384 Aug 25 14:42	0° \approx		evening max el	6385 Aug 18 14:22	24° \approx 41'50	24°21'38
desc. node	6384 Sep 01 07:36	9° \approx 00'25		desc. node	6385 Aug 19 04:37	25° \approx 15'26	
evening max el	6384 Sep 06 00:28	14° \approx 02'58	25°50'00		6385 Aug 25 19:48	0° \approx	
retrograde	6384 Sep 19 23:20	21° \approx 08'31		retrograde	6385 Sep 01 09:52	1° \approx 38'32	
evening set	6384 Sep 26 04:54	19° \approx 36'29		evening set	6385 Sep 06 09:10	0° \approx 43'41	
min. Earth dist.	6384 Sep 30 12:54	17° \approx 00'40	0.58381 AU		6385 Sep 08 03:36	30° \approx	
inferior conj	6384 Oct 03 16:46	14° \approx 44'18	-5°06'47	min. Earth dist.	6385 Sep 12 01:23	27° \approx 51'16	0.56532 AU
minimum elong	6384 Oct 03 21:46	14° \approx 35'17	5°06'05	inferior conj	6385 Sep 14 14:56	26° \approx 14'32	-5°24'46
morning rise	6384 Oct 11 16:56	10° \approx 21'42		minimum elong	6385 Sep 14 14:32	26° \approx 15'10	5°24'46
direct	6384 Oct 14 02:10	10° \approx 03'27		morning rise	6385 Sep 22 22:12	22° \approx 12'49	
morning max el	6384 Oct 22 10:43	14° \approx 04'15	18°40'13	direct	6385 Sep 25 14:16	21° \approx 53'45	
asc. node	6384 Oct 23 14:47	15° \approx 15'52		morning max el	6385 Oct 05 06:51	26° \approx 26'42	19°37'35
	6384 Nov 02 09:24	0° \approx			6385 Oct 08 12:57	0° \approx	
morning set	6384 Nov 07 16:32	10° \approx 03'47		asc. node	6385 Oct 10 11:48	2° \approx 35'04	
				morning set	6385 Oct 22 19:16	24° \approx 32'59	
superior conj	6384 Nov 16 09:13	26° \approx 49'42	1°19'03		6385 Oct 25 11:57	0° \approx	
minimum elong	6384 Nov 16 12:37	27° \approx 05'40	1°18'43	superior conj	6385 Oct 30 17:13	10° \approx 28'08	1°34'37
	6384 Nov 18 02:01	0° \approx		minimum elong	6385 Oct 30 19:23	10° \approx 38'50	1°34'30
max. Earth dist.	6384 Nov 23 15:08	9° \approx 59'54	1.39739 AU	max. Earth dist.	6385 Nov 05 20:13	22° \approx 12'28	1.37619 AU
evening rise	6384 Nov 27 16:51	16° \approx 59'46		evening rise	6385 Nov 09 14:14	29° \approx 01'03	
desc. node	6384 Nov 28 06:46	17° \approx 58'15			6385 Nov 10 03:33	0° \approx	
	6384 Dec 05 17:18	0° \approx		desc. node	6385 Nov 15 03:47	8° \approx 35'28	
	6384 Dec 27 03:05	0° \approx			6385 Nov 29 01:33	0° \approx	
evening max el	6385 Jan 01 16:53	6° \approx 09'44	24°02'52	evening max el	6385 Dec 15 05:48	19° \approx 54'53	25°18'39
retrograde	6385 Jan 12 18:55	12° \approx 40'56		retrograde	6385 Dec 27 07:14	26° \approx 52'12	
evening set	6385 Jan 18 01:12	10° \approx 29'30		evening set	6386 Jan 02 02:44	24° \approx 27'40	
asc. node	6385 Jan 19 14:01	9° \approx 00'31		asc. node	6386 Jan 06 11:04	19° \approx 34'16	
min. Earth dist.	6385 Jan 22 19:08	5° \approx 00'39	0.68012 AU	min. Earth dist.	6386 Jan 06 13:16	19° \approx 33'11	0.67425 AU
inferior conj	6385 Jan 23 12:22	4° \approx 02'17	1°16'57	inferior conj	6386 Jan 07 17:33	18° \approx 01'32	0°25'35
minimum elong	6385 Jan 23 10:42	4° \approx 07'57	1°16'21	minimum elong	6386 Jan 07 16:55	18° \approx 03'36	0°25'22
	6385 Jan 26 16:50	30° \approx					

morning rise	6386 Jan 13 07:23	12°♄05'47		inferior conj	6386 Dec 22 18:20	1°♄57'39	-0°32'00
direct	6386 Jan 16 18:26	10°♄56'49		minimum elong	6386 Dec 22 19:13	1°♄54'59	0°31'36
morning max el	6386 Jan 23 21:17	14°♄54'32	19°22'58	asc. node	6386 Dec 24 08:04	0°♄05'24	
	6386 Feb 04 10:32	0°♄			6386 Dec 24 09:57	30°♄♂	
greatest brilliancy	6386 Feb 06 00:11	2°♄19'54	-0.7m	morning rise	6386 Dec 28 16:18	26°♄11'52	
desc. node	6386 Feb 11 03:03	10°♄05'01		direct	6386 Dec 31 16:51	25°♄20'15	
morning set	6386 Feb 17 05:05	19°♄26'30		morning max el	6387 Jan 07 08:04	28°♄56'41	18°35'00
	6386 Feb 24 00:19	0°♄			6387 Jan 08 08:22	0°♄	
max. Earth dist.	6386 Mar 02 04:51	9°♄42'41	1.44779 AU	morning set	6387 Jan 28 00:02	28°♄56'18	
					6387 Jan 28 16:08	0°♄	
superior conj	6386 Mar 05 21:04	15°♄32'42	-2°02'01	desc. node	6387 Jan 29 00:04	0°♄31'19	
minimum elong	6386 Mar 05 14:56	15°♄08'13	2°01'41				
	6386 Mar 14 19:29	0°♄		superior conj	6387 Feb 13 02:28	24°♄16'02	-1°33'53
evening rise	6386 Mar 20 01:46	8°♄42'24		minimum elong	6387 Feb 12 16:55	23°♄38'37	1°32'55
	6386 Apr 02 04:16	0°♄		max. Earth dist.	6387 Feb 12 23:22	24°♄03'52	1.45378 AU
asc. node	6386 Apr 04 10:17	3°♄11'39			6387 Feb 16 18:11	0°♄	
evening max el	6386 Apr 08 04:19	7°♄39'36	18°20'47	evening rise	6387 Feb 28 18:57	19°♄00'54	
retrograde	6386 Apr 14 14:27	11°♄06'49			6387 Mar 07 16:33	0°♄	
evening set	6386 Apr 17 15:11	10°♄16'48		greatest brilliancy	6387 Mar 09 09:10	2°♄40'33	-0.8m
inferior conj	6386 Apr 23 12:35	4°♄51'16	3°25'32	asc. node	6387 Mar 22 07:18	20°♄50'31	
minimum elong	6386 Apr 23 13:32	4°♄48'34	3°25'26	evening max el	6387 Mar 22 14:58	21°♄10'16	18°52'43
min. Earth dist.	6386 Apr 25 21:34	2°♄08'24	0.64056 AU	retrograde	6387 Mar 29 08:44	24°♄55'59	
	6386 Apr 27 22:44	30°♄♂		evening set	6387 Apr 01 16:24	23°♄52'24	
morning rise	6386 Apr 29 10:57	28°♄39'30		inferior conj	6387 Apr 07 06:35	18°♄09'53	3°28'18
direct	6386 May 06 05:44	25°♄55'31		minimum elong	6387 Apr 07 06:06	18°♄11'23	3°28'15
desc. node	6386 May 10 02:23	26°♄41'36		min. Earth dist.	6387 Apr 08 23:57	16°♄00'47	0.65728 AU
	6386 May 15 15:19	0°♄		morning rise	6387 Apr 12 19:21	11°♄54'28	
morning max el	6386 May 19 23:19	3°♄54'18	27°34'27	direct	6387 Apr 19 07:23	9°♄05'53	
	6386 Jun 08 13:49	0°♄		desc. node	6387 Apr 26 23:23	12°♄06'28	
morning set	6386 Jun 23 23:43	27°♄28'07		morning max el	6387 May 02 09:34	16°♄50'46	26°43'24
	6386 Jun 25 06:12	0°♄			6387 May 13 07:47	0°♄	
max. Earth dist.	6386 Jun 28 21:23	7°♄26'46	1.33059 AU		6387 Jun 01 10:59	0°♄	
asc. node	6386 Jul 01 09:31	12°♄44'10		morning set	6387 Jun 07 06:58	10°♄41'56	
				max. Earth dist.	6387 Jun 11 12:22	18°♄55'41	1.34367 AU
superior conj	6386 Jul 01 23:21	13°♄58'02	0°05'57				
minimum elong	6386 Jul 01 23:03	13°♄56'28	0°05'51	superior conj	6387 Jun 15 23:16	28°♄00'04	-0°23'24
behind sun begin	6386 Jul 01 18:00	13°♄29'26		minimum elong	6387 Jun 16 00:33	28°♄06'43	0°23'11
behind sun end	6386 Jul 02 04:07	14°♄23'31			6387 Jun 16 22:19	0°♄	
evening rise	6386 Jul 09 01:24	29°♄11'18		asc. node	6387 Jun 18 06:32	2°♄48'45	
	6386 Jul 09 10:37	0°♄		evening rise	6387 Jun 23 11:08	13°♄43'44	
	6386 Jul 26 15:56	0°♄			6387 Jul 01 19:00	0°♄	
evening max el	6386 Jul 31 02:55	4°♄59'44	22°43'19	evening max el	6387 Jul 12 22:28	15°♄31'03	21°10'58
desc. node	6386 Aug 06 01:37	9°♄33'37		desc. node	6387 Jul 23 22:39	21°♄22'50	
retrograde	6386 Aug 13 07:33	11°♄34'20		retrograde	6387 Jul 24 20:48	21°♄24'54	
evening set	6386 Aug 16 18:23	11°♄08'16		evening set	6387 Jul 27 04:01	21°♄12'33	
min. Earth dist.	6386 Aug 24 10:46	7°♄44'10	0.55226 AU	inferior conj	6387 Aug 05 11:35	17°♄14'28	-3°34'54
inferior conj	6386 Aug 25 18:22	6°♄59'04	-4°56'10	minimum elong	6387 Aug 05 02:39	17°♄27'00	3°32'13
minimum elong	6386 Aug 25 11:16	7°♄09'12	4°54'59	min. Earth dist.	6387 Aug 05 20:23	17°♄02'05	0.54747 AU
morning rise	6386 Sep 03 06:10	3°♄09'37		morning rise	6387 Aug 14 01:53	13°♄19'23	
direct	6386 Sep 06 08:33	2°♄47'27		direct	6387 Aug 17 17:09	12°♄50'58	
morning max el	6386 Sep 17 14:32	8°♄02'25	20°56'51	morning max el	6387 Aug 30 10:53	18°♄53'46	22°33'57
asc. node	6386 Sep 27 08:49	20°♄45'03			6387 Sep 08 12:31	0°♄	
	6386 Oct 02 12:17	0°♄		asc. node	6387 Sep 14 05:50	9°♄33'42	
morning set	6386 Oct 07 03:01	9°♄15'47		morning set	6387 Sep 21 13:38	24°♄05'41	
					6387 Sep 24 08:19	0°♄	
superior conj	6386 Oct 14 12:30	24°♄39'14	1°41'49				
minimum elong	6386 Oct 14 13:12	24°♄42'49	1°41'50	superior conj	6387 Sep 28 15:32	9°♄12'10	1°41'50
	6386 Oct 17 03:33	0°♄		minimum elong	6387 Sep 28 14:54	9°♄08'52	1°41'49
max. Earth dist.	6386 Oct 19 05:20	4°♄07'26	1.35673 AU	max. Earth dist.	6387 Oct 01 22:05	16°♄04'31	1.34067 AU
evening rise	6386 Oct 23 06:35	11°♄53'52		evening rise	6387 Oct 06 13:46	25°♄27'10	
desc. node	6386 Nov 02 00:49	29°♄01'34			6387 Oct 08 22:27	0°♄	
	6386 Nov 02 15:06	0°♄		desc. node	6387 Oct 19 21:51	19°♄10'10	
	6386 Nov 24 06:15	0°♄			6387 Oct 27 01:45	0°♄	
evening max el	6386 Nov 27 18:49	3°♄39'23	26°22'49	evening max el	6387 Nov 10 07:35	17°♄13'18	27°08'05
retrograde	6386 Dec 10 14:21	10°♄51'58		retrograde	6387 Nov 23 15:46	24°♄31'58	
evening set	6386 Dec 16 22:48	8°♄17'31		evening set	6387 Nov 30 11:16	21°♄53'17	
min. Earth dist.	6386 Dec 21 02:39	3°♄58'11	0.66479 AU	min. Earth dist.	6387 Dec 04 08:59	18°♄08'49	0.65177 AU

inferior conj	6387 Dec 06 12:30	15° ♊ 44'56	-1°34'43	retrograde	6388 Nov 05 11:02	7° ♊ 43'42	
minimum elong	6387 Dec 06 15:17	15° ♊ 37'10	1°33'31	evening set	6388 Nov 12 13:27	5° ♊ 09'24	
asc. node	6387 Dec 11 05:06	11° ♊ 11'09		min. Earth dist.	6388 Nov 16 06:22	1° ♊ 57'00	0.63545 AU
morning rise	6387 Dec 12 20:29	10° ♊ 12'00			6388 Nov 18 04:54	30° ♋	
direct	6387 Dec 15 12:32	9° ♊ 33'59		inferior conj	6388 Nov 18 21:30	29° ♋ 17'46	-2°40'23
morning max el	6387 Dec 21 23:30	12° ♊ 59'54	18°03'39	minimum elong	6388 Nov 19 02:20	29° ♋ 05'34	2°38'32
	6388 Jan 02 23:56	0° ♋		morning rise	6388 Nov 25 16:54	24° ♋ 00'37	
morning set	6388 Jan 09 00:33	9° ♋ 54'40		asc. node	6388 Nov 27 02:08	23° ♋ 37'34	
desc. node	6388 Jan 15 21:05	21° ♋ 08'03		direct	6388 Nov 28 02:50	23° ♋ 32'22	
	6388 Jan 21 09:27	0° ♌		morning max el	6388 Dec 04 16:38	26° ♋ 57'03	17°49'30
					6388 Dec 07 08:50	0° ♌	
superior conj	6388 Jan 23 09:45	3° ♌ 11'53	-0°51'23	morning set	6388 Dec 21 03:31	22° ♌ 09'44	
minimum elong	6388 Jan 23 03:33	2° ♌ 47'19	0°50'31		6388 Dec 25 16:46	0° ♌	
max. Earth dist.	6388 Jan 26 19:03	8° ♌ 32'42	1.45226 AU	desc. node	6389 Jan 01 18:07	11° ♌ 51'21	
evening rise	6388 Feb 08 15:36	28° ♌ 33'25					
	6388 Feb 09 14:00	0° ♍		superior conj	6389 Jan 02 12:35	13° ♌ 07'22	-0°05'30
greatest brilliancy	6388 Feb 22 01:24	19° ♍ 02'41	-0.7m	minimum elong	6389 Jan 02 12:00	13° ♌ 04'56	0°05'22
	6388 Feb 29 20:00	0° ♍		behind sun begin	6389 Jan 02 02:51	12° ♌ 32'20	
evening max el	6388 Mar 04 21:22	4° ♍ 44'04	19°41'14	behind sun end	6389 Jan 02 21:08	13° ♌ 42'28	
asc. node	6388 Mar 08 04:20	7° ♍ 32'56		max. Earth dist.	6389 Jan 08 12:54	22° ♌ 51'16	1.44356 AU
retrograde	6388 Mar 12 06:20	8° ♍ 59'02			6389 Jan 13 01:28	0° ♍	
evening set	6388 Mar 15 21:46	7° ♍ 41'21		evening rise	6389 Jan 18 02:17	7° ♍ 48'34	
inferior conj	6388 Mar 21 07:40	1° ♍ 43'52	3°17'11		6389 Feb 01 21:17	0° ♍	
minimum elong	6388 Mar 21 06:07	1° ♍ 49'00	3°16'59	evening max el	6389 Feb 15 22:28	18° ♍ 19'38	20°44'04
min. Earth dist.	6388 Mar 22 10:11	0° ♍ 15'51	0.66976 AU	asc. node	6389 Feb 23 01:23	23° ♍ 04'32	
	6388 Mar 22 15:01	30° ♍		retrograde	6389 Feb 24 04:45	23° ♍ 11'24	
morning rise	6388 Mar 26 14:13	25° ♍ 27'56		evening set	6389 Feb 28 05:14	21° ♍ 39'01	
direct	6388 Apr 01 15:09	22° ♍ 46'17		inferior conj	6389 Mar 05 13:15	15° ♍ 29'07	2°54'55
desc. node	6388 Apr 12 20:24	29° ♍ 06'33		minimum elong	6389 Mar 05 11:04	15° ♍ 36'35	2°54'28
	6388 Apr 13 18:01	0° ♎		min. Earth dist.	6389 Mar 06 02:15	14° ♍ 44'24	0.67794 AU
morning max el	6388 Apr 13 19:13	0° ♎ 03'02	25°29'28	morning rise	6389 Mar 10 16:41	9° ♍ 14'44	
	6388 May 06 05:31	0° ♎		direct	6389 Mar 16 04:12	6° ♍ 48'40	
morning set	6388 May 19 23:10	23° ♎ 09'29		morning max el	6389 Mar 27 03:59	13° ♍ 22'49	24°02'43
max. Earth dist.	6388 May 23 16:14	0° ♎ 01'31	1.36120 AU	desc. node	6389 Mar 30 17:26	17° ♍ 15'25	
	6388 May 23 15:55	0° ♎			6389 Apr 09 14:31	0° ♎	
					6389 Apr 29 02:06	0° ♎	
superior conj	6388 May 29 14:29	11° ♎ 32'37	-0°54'01	morning set	6389 May 01 18:51	4° ♎ 35'34	
minimum elong	6388 May 29 17:35	11° ♎ 48'08	0°53'29	max. Earth dist.	6389 May 05 12:25	11° ♎ 08'17	1.38223 AU
asc. node	6388 Jun 04 03:34	22° ♎ 47'16					
evening rise	6388 Jun 06 16:51	28° ♎ 00'04		superior conj	6389 May 12 17:31	24° ♎ 26'40	-1°23'48
	6388 Jun 07 16:32	0° ♏		minimum elong	6389 May 12 22:16	24° ♎ 49'18	1°23'10
evening max el	6388 Jun 24 06:26	26° ♏ 40'41	19°54'52		6389 May 15 14:50	0° ♏	
	6388 Jun 28 12:29	0° ♏		evening rise	6389 May 21 15:58	11° ♎ 52'30	
retrograde	6388 Jul 04 12:20	1° ♏ 42'30		asc. node	6389 May 22 00:37	12° ♎ 34'57	
evening set	6388 Jul 06 09:36	1° ♏ 33'01			6389 May 31 13:11	0° ♏	
desc. node	6388 Jul 09 19:41	0° ♏ 31'59		evening max el	6389 Jun 07 02:40	8° ♏ 33'12	18°58'39
	6388 Jul 11 00:02	30° ♏		retrograde	6389 Jun 15 17:21	12° ♏ 47'12	
inferior conj	6388 Jul 15 08:55	27° ♏ 32'21	-1°40'24	evening set	6389 Jun 17 17:26	12° ♏ 34'22	
minimum elong	6388 Jul 15 04:16	27° ♏ 39'26	1°38'42	inferior conj	6389 Jun 25 22:37	8° ♏ 19'11	0°13'27
min. Earth dist.	6388 Jul 17 08:30	26° ♏ 20'03	0.55226 AU	minimum elong	6389 Jun 25 23:10	8° ♏ 18'14	0°13'12
morning rise	6388 Jul 23 21:03	23° ♏ 11'01		transit middle	6389 Jun 25 23:10	8° ♏ 18'14	0°13'12
direct	6388 Jul 28 06:01	22° ♏ 29'03		transit begin	6389 Jun 25 21:01	8° ♏ 21'59	
morning max el	6388 Aug 11 00:57	29° ♏ 17'25	24°18'43	transit end	6389 Jun 26 01:18	8° ♏ 14'28	
	6388 Aug 11 18:36	0° ♏		desc. node	6389 Jun 26 16:43	7° ♏ 47'20	
asc. node	6388 Aug 31 02:52	28° ♏ 51'25		min. Earth dist.	6389 Jun 28 23:54	6° ♏ 11'33	0.56590 AU
	6388 Aug 31 16:48	0° ♐		morning rise	6389 Jul 04 01:33	3° ♏ 21'40	
morning set	6388 Sep 05 01:23	8° ♐ 57'46		direct	6389 Jul 09 08:20	2° ♏ 15'26	
				morning max el	6389 Jul 23 14:57	9° ♏ 38'06	25°55'55
					6389 Aug 08 00:50	0° ♐	
superior conj	6388 Sep 11 23:39	23° ♐ 59'02	1°35'37	asc. node	6389 Aug 17 23:55	18° ♏ 29'28	
minimum elong	6388 Sep 11 22:03	23° ♐ 50'20	1°35'29	morning set	6389 Aug 20 12:34	23° ♏ 45'48	
max. Earth dist.	6388 Sep 13 23:12	28° ♐ 16'20	1.32883 AU		6389 Aug 23 10:00	0° ♐	
	6388 Sep 14 18:32	0° ♑					
evening rise	6388 Sep 19 08:05	9° ♑ 31'30		superior conj	6389 Aug 27 10:34	8° ♐ 51'22	1°23'57
	6388 Sep 30 07:12	0° ♑		minimum elong	6389 Aug 27 08:25	8° ♐ 39'27	1°23'39
desc. node	6388 Oct 05 18:54	8° ♑ 53'53		max. Earth dist.	6389 Aug 28 06:43	10° ♐ 42'23	1.32135 AU
	6388 Oct 22 08:07	0° ♑		evening rise	6389 Sep 03 10:16	23° ♐ 56'40	
evening max el	6388 Oct 22 18:57	0° ♑ 25'58	27°27'33				

	6389 Sep 06 09:27	0°♄		6390 Aug 29 19:11	0°♄
desc. node	6389 Sep 22 15:56	28°♄01'40	desc. node	6390 Sep 09 12:58	16°♄19'12
	6389 Sep 24 01:16	0°♄	evening max el	6390 Sep 17 04:13	24°♄56'58 26°30'23
evening max el	6389 Oct 05 02:44	13°♄04'23 27°15'50		6390 Sep 23 20:22	0°♄
retrograde	6389 Oct 18 23:07	20°♄17'11	retrograde	6390 Oct 01 02:29	2°♄04'16
evening set	6389 Oct 26 01:44	17°♄58'27	evening set	6390 Oct 07 19:30	0°♄12'36
min. Earth dist.	6389 Oct 29 17:25	15°♄11'02 0.61633 AU		6390 Oct 08 04:37	30°♄
inferior conj	6389 Nov 01 18:15	12°♄28'13 -3°45'12	min. Earth dist.	6390 Oct 11 17:49	27°♄37'38 0.59565 AU
minimum elong	6389 Nov 02 00:40	12°♄13'50 3°43'12	inferior conj	6390 Oct 14 23:12	25°♄06'47 -4°42'04
morning rise	6389 Nov 09 01:38	7°♄30'00	minimum elong	6390 Oct 15 05:35	24°♄54'17 4°40'44
direct	6389 Nov 11 08:24	7°♄07'56	morning rise	6390 Oct 22 17:49	20°♄30'31
asc. node	6389 Nov 13 23:12	7°♄38'00	direct	6390 Oct 25 01:07	20°♄11'31
morning max el	6389 Nov 18 08:16	10°♄39'43 17°53'32	asc. node	6390 Oct 31 20:15	23°♄06'55
	6389 Dec 01 03:20	0°♄	morning max el	6390 Nov 01 19:01	23°♄58'52 18°17'10
morning set	6389 Dec 04 02:27	5°♄21'42		6390 Nov 06 16:36	0°♄
			morning set	6390 Nov 17 15:28	19°♄13'16
superior conj	6389 Dec 14 17:31	24°♄18'27 0°34'54		6390 Nov 23 08:07	0°♄
minimum elong	6389 Dec 14 20:25	24°♄30'56 0°34'31	superior conj	6390 Nov 26 22:21	6°♄38'29 1°05'49
	6389 Dec 18 01:33	0°♄	minimum elong	6390 Nov 27 02:05	6°♄55'26 1°05'23
desc. node	6389 Dec 19 15:09	2°♄37'39	max. Earth dist.	6390 Dec 04 12:34	20°♄02'14 1.40956 AU
max. Earth dist.	6389 Dec 22 03:02	6°♄45'05 1.42875 AU	desc. node	6390 Dec 06 12:10	23°♄23'21
evening rise	6389 Dec 28 18:42	17°♄25'15	evening rise	6390 Dec 09 05:05	27°♄52'11
	6390 Jan 05 23:25	0°♄		6390 Dec 10 12:30	0°♄
	6390 Jan 27 22:16	0°♄		6390 Dec 30 14:32	0°♄
evening max el	6390 Jan 29 18:20	1°♄57'12 21°57'39	evening max el	6391 Jan 12 10:01	15°♄37'22 23°16'59
retrograde	6390 Feb 08 02:03	7°♄29'11	retrograde	6391 Jan 22 20:39	21°♄48'06
asc. node	6390 Feb 09 22:25	7°♄11'17	evening set	6391 Jan 27 19:43	19°♄45'03
evening set	6390 Feb 12 13:05	5°♄41'32	asc. node	6391 Jan 27 19:29	19°♄45'33
	6390 Feb 17 10:14	30°♄	inferior conj	6391 Feb 02 05:22	13°♄19'39 1°43'22
inferior conj	6390 Feb 17 21:08	29°♄22'09 2°23'17	minimum elong	6391 Feb 02 03:19	13°♄26'44 1°42'40
minimum elong	6390 Feb 17 18:47	29°♄30'18 2°22'37	min. Earth dist.	6391 Feb 01 18:31	13°♄56'59 0.68192 AU
min. Earth dist.	6390 Feb 17 21:48	29°♄19'49 0.68191 AU	morning rise	6391 Feb 07 10:51	7°♄13'14
morning rise	6390 Feb 23 00:18	23°♄11'00	direct	6391 Feb 11 17:53	5°♄30'52
direct	6390 Feb 27 21:30	21°♄05'46	morning max el	6391 Feb 20 05:51	10°♄25'16 21°09'49
morning max el	6390 Mar 09 14:17	26°♄49'07 22°33'23	desc. node	6391 Mar 04 11:27	25°♄47'07
	6390 Mar 12 12:59	0°♄		6391 Mar 07 10:17	0°♄
desc. node	6390 Mar 17 14:27	6°♄13'41	morning set	6391 Mar 23 01:54	23°♄39'30
	6390 Apr 03 04:40	0°♄		6391 Mar 27 01:44	0°♄
morning set	6390 Apr 12 12:19	14°♄46'07	max. Earth dist.	6391 Mar 30 11:31	5°♄31'18 1.42502 AU
max. Earth dist.	6390 Apr 17 08:48	22°♄51'59 1.40448 AU			
	6390 Apr 21 11:56	0°♄	superior conj	6391 Apr 06 17:15	17°♄37'48 -2°06'36
superior conj	6390 Apr 25 04:07	6°♄32'30 -1°49'33	minimum elong	6391 Apr 06 20:31	17°♄51'50 2°06'29
minimum elong	6390 Apr 25 09:24	6°♄56'25 1°49'04		6391 Apr 13 19:12	0°♄
evening rise	6390 May 05 05:16	25°♄13'29	evening rise	6391 Apr 18 04:38	7°♄52'46
	6390 May 07 18:13	0°♄	asc. node	6391 Apr 25 18:42	21°♄18'48
asc. node	6390 May 08 21:40	2°♄07'34		6391 May 01 09:23	0°♄
evening max el	6390 May 21 08:07	21°♄03'08 18°22'51	evening max el	6391 May 04 19:00	4°♄00'20 18°07'00
retrograde	6390 May 28 17:31	24°♄43'56	retrograde	6391 May 11 11:09	7°♄24'33
evening set	6390 May 31 00:35	24°♄23'37	evening set	6391 May 14 01:19	6°♄53'57
inferior conj	6390 Jun 07 09:53	19°♄48'09 1°43'07	inferior conj	6391 May 20 17:30	1°♄57'52 2°42'50
minimum elong	6390 Jun 07 12:57	19°♄41'49 1°42'07	minimum elong	6391 May 20 20:34	1°♄50'31 2°42'07
min. Earth dist.	6390 Jun 10 19:59	17°♄00'57 0.58560 AU		6391 May 22 18:44	30°♄
desc. node	6390 Jun 13 13:44	15°♄04'27	min. Earth dist.	6391 May 23 23:05	28°♄54'19 0.60773 AU
morning rise	6390 Jun 14 22:09	14°♄17'34	morning rise	6391 May 27 13:32	26°♄03'39
direct	6390 Jun 21 00:40	12°♄39'21	desc. node	6391 May 31 10:45	24°♄15'27
morning max el	6390 Jul 05 09:53	20°♄23'32 27°09'35	direct	6391 Jun 03 04:43	23°♄53'16
	6390 Jul 13 16:10	0°♄		6391 Jun 15 12:58	0°♄
	6390 Jul 31 18:38	0°♄	morning max el	6391 Jun 17 11:36	1°♄50'13 27°48'52
morning set	6390 Aug 04 21:34	8°♄25'05		6391 Jul 07 23:56	0°♄
asc. node	6390 Aug 04 20:58	8°♄21'54	morning set	6391 Jul 20 02:34	22°♄50'25
			asc. node	6391 Jul 22 18:00	28°♄23'35
superior conj	6390 Aug 11 22:24	23°♄43'13 1°07'24		6391 Jul 23 12:00	0°♄
minimum elong	6390 Aug 11 20:09	23°♄30'41 1°07'00	max. Earth dist.	6391 Jul 26 03:34	5°♄45'14 1.31947 AU
max. Earth dist.	6390 Aug 11 17:25	23°♄15'36 1.31826 AU			
	6390 Aug 14 18:35	0°♄	superior conj	6391 Jul 27 09:23	8°♄29'03 0°46'28
evening rise	6390 Aug 18 17:44	8°♄35'03	minimum elong	6391 Jul 27 07:31	8°♄18'42 0°46'04

evening rise	6391 Aug 03 04:20	23° Ω 19'58		evening rise	6392 Jul 17 16:04	8° Ω 04'40	
	6391 Aug 06 08:50	0° \mathbb{M}			6392 Jul 29 01:05	0° \mathbb{M}	
	6391 Aug 24 11:08	0° $\underline{\Omega}$		evening max el	6392 Aug 10 09:52	16° \mathbb{M} 24'28	23°40'01
desc. node	6391 Aug 27 09:58	3° $\underline{\Omega}$ 26'34		desc. node	6392 Aug 13 07:00	18° \mathbb{M} 55'55	
evening max el	6391 Aug 29 21:46	5° $\underline{\Omega}$ 59'34	25°14'41	retrograde	6392 Aug 24 00:57	23° \mathbb{M} 14'49	
retrograde	6391 Sep 12 19:37	13° $\underline{\Omega}$ 01'50		evening set	6392 Aug 28 08:46	22° \mathbb{M} 33'42	
evening set	6391 Sep 18 14:05	11° $\underline{\Omega}$ 45'35		min. Earth dist.	6392 Sep 03 19:51	19° \mathbb{M} 29'27	0.55883 AU
min. Earth dist.	6391 Sep 23 09:18	9° $\underline{\Omega}$ 05'13	0.57549 AU	inferior conj	6392 Sep 05 22:42	18° \mathbb{M} 13'17	-5°19'13
inferior conj	6391 Sep 26 09:06	7° $\underline{\Omega}$ 03'50	-5°19'04	minimum elong	6392 Sep 05 19:17	18° \mathbb{M} 18'25	5°18'57
minimum elong	6391 Sep 26 12:14	6° $\underline{\Omega}$ 58'30	5°18'49	morning rise	6392 Sep 14 08:12	14° \mathbb{M} 18'50	
morning rise	6391 Oct 04 12:40	2° $\underline{\Omega}$ 50'49		direct	6392 Sep 17 04:10	13° \mathbb{M} 58'51	
direct	6391 Oct 07 00:33	2° $\underline{\Omega}$ 32'22		morning max el	6392 Sep 27 12:29	18° \mathbb{M} 48'22	20°08'53
morning max el	6391 Oct 15 21:26	6° $\underline{\Omega}$ 45'05	19°01'58	asc. node	6392 Oct 04 14:18	27° \mathbb{M} 32'43	
asc. node	6391 Oct 18 17:17	9° $\underline{\Omega}$ 50'30			6392 Oct 06 03:44	0° $\underline{\Omega}$	
	6391 Oct 30 19:01	0° \mathbb{M}		morning set	6392 Oct 15 19:20	18° $\underline{\Omega}$ 07'29	
morning set	6391 Nov 01 14:11	3° \mathbb{M} 31'56			6392 Oct 21 14:24	0° \mathbb{M}	
superior conj	6391 Nov 09 22:00	19° \mathbb{M} 53'17	1°26'45	superior conj	6392 Oct 23 11:18	3° \mathbb{M} 47'10	1°38'38
minimum elong	6391 Nov 10 00:57	20° \mathbb{M} 07'25	1°26'31	minimum elong	6392 Oct 23 12:51	3° \mathbb{M} 54'56	1°38'35
	6391 Nov 15 07:37	0° \mathbb{M}		max. Earth dist.	6392 Oct 29 00:18	14° \mathbb{M} 38'18	1.36750 AU
max. Earth dist.	6391 Nov 16 18:25	2° \mathbb{M} 37'19	1.38828 AU	evening rise	6392 Nov 01 19:54	21° \mathbb{M} 44'02	
evening rise	6391 Nov 20 14:00	9° \mathbb{M} 19'55			6392 Nov 06 12:16	0° \mathbb{M}	
desc. node	6391 Nov 23 09:11	14° \mathbb{M} 05'08		desc. node	6392 Nov 09 06:13	4° \mathbb{M} 38'04	
	6391 Dec 03 09:25	0° \mathbb{M}			6392 Nov 26 06:27	0° \mathbb{M}	
evening max el	6391 Dec 25 23:19	29° \mathbb{M} 20'59	24°35'55	evening max el	6392 Dec 07 11:58	13° \mathbb{M} 05'46	25°47'42
	6391 Dec 26 15:22	0° \approx		retrograde	6392 Dec 19 21:56	20° \mathbb{M} 11'41	
retrograde	6392 Jan 06 11:36	6° \approx 04'18		evening set	6392 Dec 25 23:05	17° \mathbb{M} 42'08	
evening set	6392 Jan 11 23:36	3° \approx 46'43		min. Earth dist.	6392 Dec 30 06:35	13° \mathbb{M} 02'39	0.67066 AU
asc. node	6392 Jan 14 16:30	0° \approx 58'17		inferior conj	6392 Dec 31 15:45	11° \mathbb{M} 17'47	0°01'53
	6392 Jan 15 11:21	30° \mathbb{M} 3		minimum elong	6392 Dec 31 15:42	11° \mathbb{M} 17'57	0°01'54
min. Earth dist.	6392 Jan 16 14:11	28° \mathbb{M} 32'43	0.67816 AU	transit middle	6392 Dec 31 15:42	11° \mathbb{M} 17'57	0°01'54
inferior conj	6392 Jan 17 12:12	27° \mathbb{M} 19'25	0°56'00	transit begin	6392 Dec 31 12:54	11° \mathbb{M} 26'50	
minimum elong	6392 Jan 17 10:54	27° \mathbb{M} 23'44	0°55'31	transit end	6392 Dec 31 18:31	11° \mathbb{M} 09'04	
morning rise	6392 Jan 22 22:22	21° \mathbb{M} 19'23		asc. node	6392 Dec 31 13:31	11° \mathbb{M} 24'52	
direct	6392 Jan 26 16:14	19° \mathbb{M} 59'03		morning rise	6393 Jan 06 08:49	5° \mathbb{M} 26'05	
morning max el	6392 Feb 03 05:11	24° \mathbb{M} 14'04	19°57'47	direct	6393 Jan 09 15:03	4° \mathbb{M} 25'08	
	6392 Feb 08 04:53	0° \approx		morning max el	6393 Jan 16 12:14	8° \mathbb{M} 12'39	19°00'33
desc. node	6392 Feb 19 08:28	15° \approx 46'28			6393 Feb 01 07:19	0° \approx	
	6392 Feb 28 17:35	0° \mathbb{M}		desc. node	6393 Feb 05 05:29	6° \approx 04'30	
morning set	6392 Feb 29 22:59	1° \mathbb{M} 53'10		morning set	6393 Feb 08 03:52	10° \approx 38'12	
max. Earth dist.	6392 Mar 11 21:33	19° \mathbb{M} 01'15	1.44123 AU		6393 Feb 20 13:34	0° \mathbb{M}	
				max. Earth dist.	6393 Feb 22 13:09	3° \mathbb{M} 06'43	1.45122 AU
superior conj	6392 Mar 17 05:17	27° \mathbb{M} 35'49	-2°09'09	superior conj	6393 Feb 24 18:38	6° \mathbb{M} 37'14	-1°52'23
minimum elong	6392 Mar 17 03:02	27° \mathbb{M} 26'37	2°09'07	minimum elong	6393 Feb 24 10:15	6° \mathbb{M} 04'12	1°51'46
	6392 Mar 18 16:34	0° \mathbb{M}			6393 Mar 11 08:27	0° \mathbb{M}	
evening rise	6392 Mar 30 09:37	19° \mathbb{M} 41'02		evening rise	6393 Mar 11 16:20	0° \mathbb{M} 32'10	
	6392 Apr 05 10:29	0° \mathbb{M}		asc. node	6393 Mar 29 12:43	28° \mathbb{M} 07'16	
asc. node	6392 Apr 11 15:43	10° \mathbb{M} 01'33			6393 Mar 31 03:40	0° \mathbb{M}	
evening max el	6392 Apr 17 07:57	17° \mathbb{M} 15'52	18°10'22	evening max el	6393 Mar 31 20:10	0° \mathbb{M} 43'06	18°32'13
retrograde	6392 Apr 23 17:42	20° \mathbb{M} 38'24		retrograde	6393 Apr 07 08:44	4° \mathbb{M} 17'02	
evening set	6392 Apr 26 14:30	19° \mathbb{M} 55'54		evening set	6393 Apr 10 12:14	3° \mathbb{M} 21'31	
inferior conj	6392 May 02 17:38	14° \mathbb{M} 40'38	3°16'08		6393 Apr 14 08:50	30° \mathbb{M} 3	
minimum elong	6392 May 02 19:27	14° \mathbb{M} 35'43	3°15'52	inferior conj	6393 Apr 16 06:12	27° \mathbb{M} 48'41	3°28'36
min. Earth dist.	6392 May 05 11:08	11° \mathbb{M} 44'26	0.62928 AU	minimum elong	6393 Apr 16 06:30	27° \mathbb{M} 47'46	3°28'34
morning rise	6392 May 08 23:00	8° \mathbb{M} 32'47		min. Earth dist.	6393 Apr 18 08:37	25° \mathbb{M} 18'31	0.64814 AU
direct	6392 May 15 18:36	5° \mathbb{M} 57'36		morning rise	6393 Apr 22 00:02	21° \mathbb{M} 34'37	
desc. node	6392 May 17 07:45	6° \mathbb{M} 04'58		direct	6393 Apr 28 16:34	18° \mathbb{M} 46'51	
morning max el	6392 May 29 18:47	13° \mathbb{M} 59'22	27°50'03	desc. node	6393 May 04 04:46	20° \mathbb{M} 20'47	
	6392 Jun 11 16:27	0° \mathbb{M}		morning max el	6393 May 12 04:38	26° \mathbb{M} 42'18	27°16'05
	6392 Jun 29 13:02	0° \mathbb{M}			6393 May 15 06:20	0° \mathbb{M}	
morning set	6392 Jul 03 01:24	6° \mathbb{M} 54'48			6393 Jun 05 07:18	0° \mathbb{M}	
max. Earth dist.	6392 Jul 08 09:02	17° \mathbb{M} 57'47	1.32516 AU	morning set	6393 Jun 16 15:22	20° \mathbb{M} 30'35	
asc. node	6392 Jul 08 14:59	18° \mathbb{M} 29'38		max. Earth dist.	6393 Jun 21 05:57	29° \mathbb{M} 43'17	1.33551 AU
					6393 Jun 21 09:13	0° \mathbb{M}	
superior conj	6392 Jul 10 17:42	23° \mathbb{M} 02'48	0°21'41	superior conj	6393 Jun 24 21:24	7° \mathbb{M} 18'54	-0°06'16
minimum elong	6392 Jul 10 16:42	22° \mathbb{M} 57'19	0°21'27				
	6392 Jul 13 22:21	0° Ω					

minimum elong	6393 Jun 24 21:43	7°☿20'39	0°06'14	morning set	6394 May 30 16:47	3°♂26'20	
behind sun begin	6393 Jun 24 16:35	6°☿53'31		max. Earth dist.	6394 Jun 03 15:47	10°♂59'13	1.35063 AU
behind sun end	6393 Jun 25 02:52	7°☿47'49					
asc. node	6393 Jun 25 12:00	8°☿36'15		superior conj	6394 Jun 08 18:00	21°♂09'37	-0°36'20
evening rise	6393 Jul 02 03:06	22°☿43'38		minimum elong	6394 Jun 08 20:02	21°♂20'03	0°35'58
	6393 Jul 05 15:42	0°♂		asc. node	6394 Jun 12 09:01	28°♂38'44	
evening max el	6393 Jul 23 00:26	26°♂44'23	22°02'38		6394 Jun 13 00:38	0°☿	
	6393 Jul 26 22:01	0°♂		evening rise	6394 Jun 16 11:24	7°☿09'53	
desc. node	6393 Jul 31 04:00	2°♂14'29			6394 Jun 28 22:48	0°♂	
retrograde	6393 Aug 04 18:28	3°♂04'08		evening max el	6394 Jul 05 01:06	7°♂30'32	20°36'16
evening set	6393 Aug 07 15:17	2°♂45'50		retrograde	6394 Jul 16 06:34	13°♂01'57	
	6393 Aug 14 12:42	30°♂♂		evening set	6394 Jul 18 07:33	12°♂51'46	
min. Earth dist.	6393 Aug 16 05:26	29°♂03'48	0.54904 AU	desc. node	6394 Jul 18 01:03	12°♂54'16	
inferior conj	6393 Aug 16 20:23	28°♂42'48	-4°27'40	inferior conj	6394 Jul 27 13:27	8°♂54'51	-2°48'24
minimum elong	6393 Aug 16 11:37	28°♂55'06	4°25'39	minimum elong	6394 Jul 27 05:50	9°♂05'48	2°45'49
morning rise	6393 Aug 25 09:30	24°♂53'10		min. Earth dist.	6394 Jul 28 15:58	8°♂16'46	0.54839 AU
direct	6393 Aug 28 16:42	24°♂28'59		morning rise	6394 Aug 05 03:35	4°♂50'41	
morning max el	6393 Sep 09 15:06	0°♂04'43	21°36'24	direct	6394 Aug 09 02:04	4°♂17'23	
	6393 Sep 09 13:03	0°♂		morning max el	6394 Aug 22 07:48	10°♂40'38	23°18'21
asc. node	6393 Sep 21 11:20	16°♂00'28			6394 Sep 05 13:55	0°♂	
	6393 Sep 28 18:58	0°♂		asc. node	6394 Sep 08 08:22	5°♂02'25	
morning set	6393 Sep 30 04:31	2°♂53'34		morning set	6394 Sep 14 15:49	17°♂44'42	
					6394 Sep 20 08:35	0°♂	
superior conj	6393 Oct 07 10:16	18°♂08'31	1°42'38	superior conj	6394 Sep 21 15:45	2°♂47'57	1°39'54
minimum elong	6393 Oct 07 10:22	18°♂09'04	1°42'39	minimum elong	6394 Sep 21 14:40	2°♂42'08	1°39'51
max. Earth dist.	6393 Oct 11 11:58	26°♂29'54	1.34940 AU	max. Earth dist.	6394 Sep 24 08:28	8°♂32'46	1.33512 AU
	6393 Oct 13 06:10	0°♂		evening rise	6394 Sep 29 07:26	18°♂43'05	
evening rise	6393 Oct 15 19:05	4°♂55'21			6394 Oct 05 05:26	0°♂	
desc. node	6393 Oct 27 03:14	24°♂57'10		desc. node	6394 Oct 14 00:16	14°♂56'11	
	6393 Oct 30 07:19	0°♂			6394 Oct 24 12:05	0°♂	
evening max el	6393 Nov 20 00:58	26°♂46'48	26°44'52	evening max el	6394 Nov 02 13:39	10°♂14'13	27°20'03
	6393 Nov 23 17:30	0°♂		retrograde	6394 Nov 16 01:42	17°♂32'35	
retrograde	6393 Dec 03 02:55	4°♂03'34		evening set	6394 Nov 23 00:42	14°♂54'56	
evening set	6393 Dec 09 16:13	1°♂26'36		min. Earth dist.	6394 Nov 26 20:17	11°♂24'23	0.64516 AU
	6393 Dec 11 06:50	30°♂♂		inferior conj	6394 Nov 29 04:41	8°♂53'08	-2°02'23
min. Earth dist.	6393 Dec 13 17:22	27°♂21'59	0.65962 AU	minimum elong	6394 Nov 29 08:21	8°♂43'20	2°00'52
inferior conj	6393 Dec 15 14:01	25°♂10'41	-0°58'06	asc. node	6394 Dec 05 07:38	3°♂37'28	
minimum elong	6393 Dec 15 15:40	25°♂05'51	0°57'21	morning rise	6394 Dec 05 17:20	3°♂26'12	
asc. node	6393 Dec 18 10:34	22°♂00'30		direct	6394 Dec 08 06:32	2°♂52'42	
morning rise	6393 Dec 21 16:01	19°♂29'50		morning max el	6394 Dec 14 17:45	6°♂17'04	17°55'29
direct	6393 Dec 24 12:37	18°♂44'32			6394 Dec 30 14:40	0°♂	
morning max el	6393 Dec 31 01:16	22°♂15'40	18°19'33	morning set	6394 Dec 31 23:50	2°♂19'32	
	6394 Jan 06 05:38	0°♂		desc. node	6395 Jan 09 23:32	17°♂15'44	
morning set	6394 Jan 19 11:14	20°♂45'24					
desc. node	6394 Jan 23 02:31	26°♂35'36		superior conj	6395 Jan 14 12:20	24°♂36'27	-0°31'42
	6394 Jan 25 05:42	0°♂		minimum elong	6395 Jan 14 08:35	24°♂21'24	0°31'08
superior conj	6394 Feb 03 22:20	15°♂19'21	-1°17'01		6395 Jan 17 21:25	0°♂	
minimum elong	6394 Feb 03 13:31	14°♂44'45	1°15'58	max. Earth dist.	6395 Jan 19 03:43	1°♂59'56	1.44941 AU
max. Earth dist.	6394 Feb 05 08:07	17°♂31'45	1.45402 AU	evening rise	6395 Jan 30 14:43	19°♂49'57	
	6394 Feb 13 07:26	0°♂			6395 Feb 06 06:26	0°♂	
evening rise	6394 Feb 19 23:58	10°♂28'26		greatest brilliancy	6395 Feb 14 07:59	12°♂03'52	-0.6m
greatest brilliancy	6394 Mar 02 20:36	27°♂25'39	-0.8m	evening max el	6395 Feb 26 09:40	27°♂51'44	20°06'23
	6394 Mar 04 13:05	0°♂			6395 Feb 28 17:33	0°♂	
evening max el	6394 Mar 15 05:18	14°♂16'05	19°11'29	asc. node	6395 Mar 03 06:50	1°♂39'06	
asc. node	6394 Mar 16 09:46	15°♂24'14		retrograde	6395 Mar 06 02:50	2°♂21'04	
retrograde	6394 Mar 22 04:41	18°♂12'52		evening set	6395 Mar 09 22:03	0°♂57'04	
evening set	6394 Mar 25 15:31	17°♂03'29			6395 Mar 11 01:10	30°♂♂	
inferior conj	6394 Mar 31 03:34	11°♂14'38	3°25'03	inferior conj	6395 Mar 15 06:53	24°♂54'08	3°08'58
minimum elong	6394 Mar 31 02:35	11°♂17'47	3°24'59	minimum elong	6395 Mar 15 05:01	25°♂00'25	3°08'40
min. Earth dist.	6394 Apr 01 14:35	9°♂22'12	0.66316 AU	min. Earth dist.	6395 Mar 16 03:27	23°♂44'38	0.67384 AU
morning rise	6394 Apr 05 13:18	4°♂58'46		morning rise	6395 Mar 20 11:46	18°♂38'55	
direct	6394 Apr 11 21:11	2°♂11'33		direct	6395 Mar 26 07:18	16°♂03'04	
desc. node	6394 Apr 21 01:49	6°♂29'57		morning max el	6395 Apr 06 23:38	23°♂02'19	24°53'30
morning max el	6394 Apr 24 14:35	9°♂46'19	26°14'04	desc. node	6395 Apr 07 22:51	24°♂02'22	
	6394 May 10 13:22	0°♂			6395 Apr 13 03:08	0°♂	
	6394 May 28 20:03	0°♂			6395 May 03 21:43	0°♂	

morning set	6395 May 13 00:58	15°♄29'34		6396 Apr 06 15:13	0°♄	
max. Earth dist.	6395 May 16 15:50	22°♄02'26	1.36995 AU	6396 Apr 23 10:10	26°♄25'25	
	6395 May 20 21:22	0°♄		6396 Apr 25 12:37	0°♄	
				max. Earth dist.	6396 Apr 27 11:40	3°♄23'39 1.39173 AU
superior conj	6395 May 23 04:32	4°♄27'22	-1°06'54	superior conj	6396 May 05 01:10	17°♄02'31 -1°35'27
minimum elong	6395 May 23 08:24	4°♄46'18	1°06'18	minimum elong	6396 May 05 06:21	17°♄26'43 1°34'50
asc. node	6395 May 30 06:03	18°♄33'21			6396 May 11 20:29	0°♄
evening rise	6395 May 31 14:41	21°♄17'19		evening rise	6396 May 14 10:06	4°♄58'13
	6395 Jun 05 01:05	0°♄		asc. node	6396 May 16 03:06	8°♄15'48
evening max el	6395 Jun 17 14:31	18°♄58'31	19°28'17		6396 May 29 12:50	0°♄
retrograde	6395 Jun 27 02:38	23°♄38'28		evening max el	6396 May 30 15:03	1°♄08'15 18°40'52
evening set	6395 Jun 29 00:19	23°♄28'03		retrograde	6396 Jun 07 16:03	5°♄06'37
desc. node	6395 Jul 04 22:05	21°♄04'45		evening set	6396 Jun 09 18:48	4°♄51'06
inferior conj	6395 Jul 07 16:33	19°♄21'58	-0°50'09	inferior conj	6396 Jun 17 15:21	0°♄27'16 0°55'06
minimum elong	6395 Jul 07 14:18	19°♄25'35	0°49'19	minimum elong	6396 Jun 17 17:20	0°♄23'31 0°54'21
min. Earth dist.	6395 Jul 10 04:58	17°♄45'13	0.55721 AU		6396 Jun 18 05:49	30°♄
morning rise	6395 Jul 16 01:42	14°♄46'04		desc. node	6396 Jun 20 19:07	28°♄05'52
direct	6395 Jul 20 19:53	13°♄55'09		min. Earth dist.	6396 Jun 20 22:10	28°♄00'24 0.57372 AU
morning max el	6395 Aug 03 20:54	20°♄58'44	25°02'03	morning rise	6396 Jun 25 12:28	25°♄14'31
	6395 Aug 11 16:17	0°♄		direct	6396 Jul 01 03:55	23°♄55'34
asc. node	6395 Aug 26 05:24	24°♄29'39			6396 Jul 13 22:35	0°♄
	6395 Aug 28 21:59	0°♄		morning max el	6396 Jul 15 12:53	1°♄28'48 26°31'00
morning set	6395 Aug 30 03:31	2°♄35'41			6396 Aug 04 18:43	0°♄
superior conj	6395 Sep 06 01:16	17°♄37'39	1°31'17	asc. node	6396 Aug 12 02:25	14°♄15'06
minimum elong	6395 Sep 05 23:22	17°♄27'17	1°31'06	morning set	6396 Aug 13 14:01	17°♄21'38
max. Earth dist.	6395 Sep 07 12:52	20°♄52'09	1.32513 AU		6396 Aug 19 09:28	0°♄
	6395 Sep 11 19:17	0°♄		superior conj	6396 Aug 20 12:49	2°♄31'14 1°17'29
evening rise	6395 Sep 13 05:26	2°♄57'08		minimum elong	6396 Aug 20 10:33	2°♄18'44 1°17'09
	6395 Sep 28 00:36	0°♄		max. Earth dist.	6396 Aug 20 22:18	3°♄23'40 1.31949 AU
desc. node	6395 Sep 30 21:18	4°♄26'08		evening rise	6396 Aug 27 10:10	17°♄29'21
evening max el	6395 Oct 15 23:52	23°♄14'01	27°26'41		6396 Sep 02 15:47	0°♄
	6395 Oct 26 10:41	0°♄		desc. node	6396 Sep 16 18:20	23°♄15'14
retrograde	6395 Oct 29 17:45	0°♄29'13			6396 Sep 21 23:59	0°♄
	6395 Nov 01 22:05	30°♄		evening max el	6396 Sep 27 05:03	5°♄33'43 27°00'29
evening set	6395 Nov 05 21:26	28°♄00'08		retrograde	6396 Oct 11 02:19	12°♄44'33
min. Earth dist.	6395 Nov 09 13:14	24°♄59'42	0.62759 AU	evening set	6396 Oct 18 02:27	10°♄35'33
inferior conj	6395 Nov 12 08:53	22°♄17'29	-3°08'19	min. Earth dist.	6396 Oct 21 19:26	7°♄55'42 0.60764 AU
minimum elong	6395 Nov 12 14:29	22°♄03'59	3°06'19	inferior conj	6396 Oct 24 23:18	5°♄15'35 -4°10'51
morning rise	6395 Nov 19 09:21	17°♄08'00		minimum elong	6396 Oct 25 06:00	5°♄01'24 4°09'02
direct	6395 Nov 21 17:42	16°♄42'39		morning rise	6396 Nov 01 11:42	0°♄26'46
asc. node	6395 Nov 22 04:43	16°♄43'39		direct	6396 Nov 03 18:12	0°♄06'23
morning max el	6395 Nov 28 10:39	20°♄09'00	17°48'59	asc. node	6396 Nov 08 01:44	1°♄23'24
	6395 Dec 05 18:32	0°♄		morning max el	6396 Nov 11 00:41	3°♄43'25 18°01'09
morning set	6395 Dec 14 12:04	15°♄01'16		morning set	6396 Nov 26 17:34	28°♄31'41
	6395 Dec 23 02:17	0°♄			6396 Nov 27 12:37	0°♄
superior conj	6395 Dec 26 02:06	5°♄03'44	0°12'40	superior conj	6396 Dec 06 17:46	16°♄46'05 0°49'13
minimum elong	6395 Dec 26 03:20	5°♄08'57	0°12'31	minimum elong	6396 Dec 06 21:17	17°♄01'36 0°48'47
behind sun begin	6395 Dec 25 21:35	4°♄44'47		desc. node	6396 Dec 13 17:33	28°♄47'13
behind sun end	6395 Dec 26 09:06	5°♄33'05			6396 Dec 14 11:01	0°♄
desc. node	6395 Dec 27 20:32	8°♄00'41		max. Earth dist.	6396 Dec 14 08:44	29°♄50'31 1.42096 AU
max. Earth dist.	6396 Jan 01 20:44	16°♄11'47	1.43792 AU	evening rise	6396 Dec 20 00:50	9°♄04'44
evening rise	6396 Jan 10 01:56	29°♄09'43			6397 Jan 02 18:09	0°♄
	6396 Jan 10 14:57	0°♄		evening max el	6397 Jan 22 02:07	25°♄05'28 22°30'59
	6396 Jan 31 00:24	0°♄			6397 Jan 28 08:38	0°♄
evening max el	6396 Feb 09 08:26	11°♄27'50	21°14'15	retrograde	6397 Jan 31 21:26	0°♄55'03
retrograde	6396 Feb 18 01:01	16°♄36'27		asc. node	6397 Feb 04 00:58	0°♄03'52
asc. node	6396 Feb 18 03:54	16°♄36'22			6397 Feb 04 03:42	30°♄
evening set	6396 Feb 22 05:54	14°♄57'22		evening set	6397 Feb 05 13:24	29°♄00'44
inferior conj	6396 Feb 27 13:40	8°♄42'53	2°42'35	inferior conj	6397 Feb 10 21:55	22°♄38'02 2°07'19
minimum elong	6396 Feb 27 11:23	8°♄50'51	2°42'01	minimum elong	6397 Feb 10 19:38	22°♄45'57 2°06'37
min. Earth dist.	6396 Feb 27 21:12	8°♄16'46	0.68014 AU	min. Earth dist.	6397 Feb 10 17:34	22°♄53'09 0.68234 AU
morning rise	6396 Mar 03 16:41	2°♄29'51		morning rise	6397 Feb 16 01:45	16°♄28'35
direct	6396 Mar 08 22:05	0°♄12'30		direct	6397 Feb 20 16:44	14°♄33'13
morning max el	6396 Mar 19 08:47	6°♄25'12	23°24'35	morning max el	6397 Mar 01 21:00	19°♄55'32 21°56'43
desc. node	6396 Mar 24 19:52	12°♄34'10				

	6397 Mar 10 08:20	0° H		desc. node	6398 Feb 26 13:52	21° \approx 34'26	
desc. node	6397 Mar 11 16:52	1° H 48'43			6398 Mar 04 07:11	0° H	
	6397 Mar 30 20:15	0° Y		morning set	6398 Mar 13 19:36	14° H 31'05	
morning set	6397 Apr 03 15:27	6° Y 01'56		max. Earth dist.	6398 Mar 22 15:17	28° H 29'09	1.43251 AU
max. Earth dist.	6397 Apr 09 09:57	15° Y 28'50	1.41351 AU		6398 Mar 23 13:43	0° Y	
superior conj	6397 Apr 17 03:10	28° Y 43'33	-1°58'11	superior conj	6398 Mar 29 05:55	9° Y 21'01	-2°09'49
minimum elong	6397 Apr 17 08:01	29° Y 04'57	1°57'51	minimum elong	6398 Mar 29 07:14	9° Y 26'33	2°09'48
	6397 Apr 17 20:27	0° B		evening rise	6398 Apr 10 10:06	0° B 21'26	
evening rise	6397 Apr 27 18:00	18° B 02'44			6398 Apr 10 05:14	0° B	
asc. node	6397 May 03 00:08	27° B 40'18		asc. node	6398 Apr 19 21:11	16° B 40'48	
	6397 May 04 07:44	0° II		evening max el	6398 Apr 27 11:28	26° B 57'51	18°06'13
evening max el	6397 May 13 23:14	13° II 51'06	18°13'45		6398 May 02 00:08	0° II	
retrograde	6397 May 21 00:04	17° II 23'04		retrograde	6398 May 03 23:36	0° II 19'20	
evening set	6397 May 23 10:05	16° II 58'48			6398 May 05 23:26	30° R B	
inferior conj	6397 May 30 11:40	12° II 14'46	2°12'00	evening set	6398 May 06 16:40	29° B 43'50	
minimum elong	6397 May 30 14:59	12° II 07'29	2°11'02	inferior conj	6398 May 13 02:50	24° B 39'42	2°59'48
min. Earth dist.	6397 Jun 02 21:14	9° II 17'15	0.59484 AU	minimum elong	6398 May 13 05:27	24° B 33'04	2°59'17
morning rise	6397 Jun 06 16:57	6° II 32'31		min. Earth dist.	6398 May 16 04:02	21° B 36'27	0.61713 AU
desc. node	6397 Jun 07 16:09	6° II 01'10		morning rise	6398 May 19 16:20	18° B 38'50	
direct	6397 Jun 13 01:48	4° II 39'56		desc. node	6398 May 25 13:09	16° B 18'41	
morning max el	6397 Jun 27 10:50	12° II 31'34	27°30'51	direct	6398 May 26 10:36	16° B 16'16	
	6397 Jul 11 05:47	0° B		morning max el	6398 Jun 09 14:55	24° B 16'22	27°53'52
	6397 Jul 27 23:12	0° Q			6398 Jun 14 19:06	0° II	
morning set	6397 Jul 28 21:32	1° Q 56'03			6398 Jul 04 14:06	0° B	
asc. node	6397 Jul 29 23:25	4° Q 12'12		morning set	6398 Jul 13 00:11	16° B 13'23	
max. Earth dist.	6397 Aug 04 09:04	15° Q 56'17	1.31821 AU	asc. node	6398 Jul 16 20:26	24° B 16'27	
				max. Earth dist.	6398 Jul 18 17:32	28° B 19'28	1.32136 AU
superior conj	6397 Aug 05 00:30	17° Q 21'38	0°59'02		6398 Jul 19 12:01	0° Q	
minimum elong	6397 Aug 04 22:21	17° Q 09'42	0°58'37				
	6397 Aug 10 18:40	0° np		superior conj	6398 Jul 20 10:36	2° Q 03'24	0°36'25
evening rise	6397 Aug 11 19:11	2° np 11'22		minimum elong	6398 Jul 20 09:01	1° Q 54'48	0°36'04
	6397 Aug 26 16:44	0° B		evening rise	6398 Jul 27 06:30	16° Q 57'11	
desc. node	6397 Sep 03 15:21	11° B 06'05			6398 Aug 02 16:16	0° np	
evening max el	6397 Sep 09 03:00	17° B 04'19	26°01'20	evening max el	6398 Aug 21 17:48	27° np 48'54	24°35'49
retrograde	6397 Sep 23 01:57	24° B 10'27		desc. node	6398 Aug 21 12:22	27° np 35'47	
evening set	6397 Sep 29 10:50	22° B 33'12			6398 Aug 24 04:59	0° B	
min. Earth dist.	6397 Oct 03 15:50	19° B 58'04	0.58684 AU	retrograde	6398 Sep 04 14:09	4° B 47'03	
inferior conj	6397 Oct 06 20:25	17° B 37'24	-5°01'08	evening set	6398 Sep 09 18:43	3° B 46'54	
minimum elong	6397 Oct 07 01:54	17° B 27'18	5°00'17	min. Earth dist.	6398 Sep 15 04:58	0° B 58'07	0.56781 AU
morning rise	6397 Oct 14 19:15	13° B 11'14			6398 Sep 16 17:31	30° R np	
direct	6397 Oct 17 03:47	12° B 52'54		inferior conj	6398 Sep 17 21:37	29° np 14'40	-5°24'44
morning max el	6397 Oct 25 08:20	16° B 50'03	18°33'32	minimum elong	6398 Sep 17 22:13	29° np 13'41	5°24'43
asc. node	6397 Oct 25 22:45	17° B 25'52		morning rise	6398 Sep 26 04:00	25° np 10'08	
	6397 Nov 03 17:19	0° ml		direct	6398 Sep 28 18:55	24° np 51'14	
morning set	6397 Nov 10 11:07	12° ml 35'48		morning max el	6398 Oct 08 06:08	29° np 18'42	19°27'39
					6398 Oct 08 23:01	0° B	
superior conj	6397 Nov 19 07:14	29° ml 31'10	1°15'52	asc. node	6398 Oct 12 19:45	4° B 36'04	
minimum elong	6397 Nov 19 10:45	29° ml 47'34	1°15'30	morning set	6398 Oct 25 12:54	27° B 02'35	
	6397 Nov 19 13:25	0° x			6398 Oct 27 00:13	0° ml	
max. Earth dist.	6397 Nov 26 15:45	12° x 47'04	1.40059 AU				
evening rise	6397 Nov 30 20:40	19° x 57'22		superior conj	6398 Nov 02 13:12	13° ml 03'50	1°32'50
desc. node	6397 Nov 30 14:34	19° x 31'51		minimum elong	6398 Nov 02 15:35	13° ml 15'31	1°32'40
	6397 Dec 07 01:03	0° B		max. Earth dist.	6398 Nov 08 21:01	25° ml 05'38	1.37928 AU
	6397 Dec 27 23:52	0° \approx			6398 Nov 11 14:01	0° x	
evening max el	6398 Jan 04 16:29	8° \approx 47'05	23°51'05	evening rise	6398 Nov 12 14:54	1° x 50'16	
retrograde	6398 Jan 15 14:41	15° \approx 13'15		desc. node	6398 Nov 17 11:34	10° x 10'29	
evening set	6398 Jan 20 19:02	13° \approx 04'03			6398 Nov 30 05:32	0° B	
asc. node	6398 Jan 21 21:59	12° \approx 00'59		evening max el	6398 Dec 18 05:32	22° B 32'22	25°07'54
min. Earth dist.	6398 Jan 25 14:14	7° \approx 30'07	0.68070 AU	retrograde	6398 Dec 30 03:38	29° B 26'08	
inferior conj	6398 Jan 26 05:47	6° \approx 37'11	1°24'10	evening set	6399 Jan 04 21:13	27° B 03'21	
minimum elong	6398 Jan 26 03:59	6° \approx 43'17	1°23'31	asc. node	6399 Jan 08 19:01	22° B 48'06	
morning rise	6398 Jan 31 12:56	0° \approx 32'59		min. Earth dist.	6399 Jan 09 08:48	22° B 03'51	0.67540 AU
	6398 Feb 01 07:56	30° R B		inferior conj	6399 Jan 10 11:26	20° B 36'52	0°33'49
direct	6398 Feb 04 14:11	29° B 00'09		minimum elong	6399 Jan 10 10:37	20° B 39'34	0°33'32
	6398 Feb 08 02:03	0° \approx		morning rise	6399 Jan 16 00:15	14° B 39'57	
morning max el	6398 Feb 12 15:37	3° \approx 36'50	20°37'29	direct	6399 Jan 19 13:03	13° B 28'04	

morning max el	6399 Jan 26 18:13	17° ♁ 29'44	19°31'30	asc. node	6399 Dec 26 16:02	3° ♁ 11'59	
	6399 Feb 05 14:04	0° ♁			6399 Dec 29 17:11	30° ♁ 7'	
greatest brilliancy	6399 Feb 08 17:36	4° ♁ 36'31	-0.7m	morning rise	6399 Dec 31 09:40	28° ♁ 46'37	
desc. node	6399 Feb 13 10:52	11° ♁ 42'30		direct	6400 Jan 03 11:39	27° ♁ 52'41	
morning set	6399 Feb 20 16:47	22° ♁ 48'45			6400 Jan 08 11:25	0° ♁	
	6399 Feb 25 08:09	0° ♁		morning max el	6400 Jan 10 04:09	1° ♁ 31'31	18°41'06
max. Earth dist.	6399 Mar 05 04:14	12° ♁ 17'14	1.44635 AU		6400 Jan 29 23:39	0° ♁	
				morning set	6400 Jan 31 07:41	2° ♁ 06'07	
superior conj	6399 Mar 09 07:26	18° ♁ 52'11	-2°04'33	desc. node	6400 Jan 31 07:55	2° ♁ 07'01	
minimum elong	6399 Mar 09 02:15	18° ♁ 31'28	2°04'19	max. Earth dist.	6400 Feb 15 22:11	26° ♁ 35'22	1.45340 AU
	6399 Mar 16 04:05	0° ♁					
evening rise	6399 Mar 23 05:53	11° ♁ 45'19		superior conj	6400 Feb 16 14:21	27° ♁ 38'44	-1°39'17
	6399 Apr 03 06:55	0° ♁		minimum elong	6400 Feb 16 04:52	27° ♁ 01'33	1°38'23
asc. node	6399 Apr 06 18:13	5° ♁ 08'58			6400 Feb 18 02:21	0° ♁	
evening max el	6399 Apr 11 00:29	10° ♁ 19'11	18°17'30	evening rise	6400 Mar 03 02:35	22° ♁ 12'18	
retrograde	6399 Apr 17 10:11	13° ♁ 44'43			6400 Mar 07 23:17	0° ♁	
evening set	6399 Apr 20 09:55	12° ♁ 56'37		greatest brilliancy	6400 Mar 10 18:52	4° ♁ 29'48	-0.9m
inferior conj	6399 Apr 26 08:42	7° ♁ 33'37	3°23'35	asc. node	6400 Mar 23 15:15	22° ♁ 55'18	
minimum elong	6399 Apr 26 09:52	7° ♁ 30'18	3°23'29	evening max el	6400 Mar 24 11:35	23° ♁ 48'57	18°46'49
min. Earth dist.	6399 Apr 28 19:54	4° ♁ 46'53	0.63776 AU	retrograde	6400 Mar 31 03:48	27° ♁ 31'23	
morning rise	6399 May 02 08:47	1° ♁ 22'42		evening set	6400 Apr 03 10:20	26° ♁ 29'56	
	6399 May 04 09:17	30° ♁ 7'		inferior conj	6400 Apr 09 01:23	20° ♁ 49'45	3°28'47
direct	6399 May 09 03:58	28° ♁ 40'44		minimum elong	6400 Apr 09 01:07	20° ♁ 50'37	3°28'47
desc. node	6399 May 12 10:11	29° ♁ 13'32		min. Earth dist.	6400 Apr 10 21:04	18° ♁ 34'56	0.65505 AU
	6399 May 14 07:47	0° ♁		morning rise	6400 Apr 14 15:22	14° ♁ 34'28	
morning max el	6399 May 22 23:24	6° ♁ 40'23	27°39'34	direct	6400 Apr 21 04:39	11° ♁ 45'48	
	6399 Jun 09 19:04	0° ♁		desc. node	6400 Apr 28 07:14	14° ♁ 21'22	
morning set	6399 Jun 26 19:37	0° ♁ 06'27		morning max el	6400 May 04 09:43	19° ♁ 34'00	26°52'40
	6399 Jun 26 18:19	0° ♁			6400 May 13 07:02	0° ♁	
max. Earth dist.	6399 Jul 01 19:52	10° ♁ 21'49	1.32901 AU		6400 Jun 01 20:17	0° ♁	
asc. node	6399 Jul 03 17:28	14° ♁ 23'21		morning set	6400 Jun 09 04:44	13° ♁ 26'19	
				max. Earth dist.	6400 Jun 13 12:30	21° ♁ 55'08	1.34137 AU
superior conj	6399 Jul 04 17:13	16° ♁ 30'31	0°10'12		6400 Jun 17 11:14	0° ♁	
minimum elong	6399 Jul 04 16:43	16° ♁ 27'50	0°10'03	superior conj	6400 Jun 17 18:12	0° ♁ 36'17	-0°18'50
behind sun begin	6399 Jul 04 12:31	16° ♁ 05'20		minimum elong	6400 Jun 17 19:13	0° ♁ 41'36	0°18'40
behind sun end	6399 Jul 04 20:55	16° ♁ 50'22		asc. node	6400 Jun 19 14:30	4° ♁ 28'33	
	6399 Jul 10 23:19	0° ♁		evening rise	6400 Jun 25 04:20	16° ♁ 14'47	
evening rise	6399 Jul 11 18:11	1° ♁ 40'29			6400 Jul 02 02:14	0° ♁	
	6399 Jul 27 09:55	0° ♁		evening max el	6400 Jul 14 23:58	18° ♁ 35'11	21°23'57
evening max el	6399 Aug 03 06:00	8° ♁ 08'04	22°58'00	desc. node	6400 Jul 25 06:26	24° ♁ 27'56	
desc. node	6399 Aug 08 09:23	12° ♁ 14'22		retrograde	6400 Jul 27 03:57	24° ♁ 36'34	
retrograde	6399 Aug 16 13:43	14° ♁ 47'22		evening set	6400 Jul 29 14:05	24° ♁ 23'04	
evening set	6399 Aug 20 05:59	14° ♁ 17'47		inferior conj	6400 Aug 07 21:30	20° ♁ 24'03	-3°50'09
min. Earth dist.	6399 Aug 27 14:28	10° ♁ 59'22	0.55371 AU	minimum elong	6400 Aug 07 12:23	20° ♁ 36'50	3°47'34
inferior conj	6399 Aug 29 03:34	10° ♁ 05'55	-5°04'02	min. Earth dist.	6400 Aug 08 00:01	20° ♁ 20'31	0.54751 AU
minimum elong	6399 Aug 28 21:19	10° ♁ 14'57	5°03'08	morning rise	6400 Aug 16 11:35	16° ♁ 31'09	
morning rise	6399 Sep 06 14:49	6° ♁ 15'48		direct	6400 Aug 20 00:32	16° ♁ 04'06	
direct	6399 Sep 09 15:31	5° ♁ 54'15		morning max el	6400 Sep 01 13:41	21° ♁ 59'57	22°18'43
morning max el	6399 Sep 20 15:46	11° ♁ 02'08	20°43'48		6400 Sep 08 11:06	0° ♁	
asc. node	6399 Sep 29 16:47	22° ♁ 39'37		asc. node	6400 Sep 15 13:49	11° ♁ 23'14	
	6399 Oct 03 21:41	0° ♁		morning set	6400 Sep 23 06:26	26° ♁ 33'44	
morning set	6399 Oct 09 20:06	11° ♁ 44'22			6400 Sep 24 21:29	0° ♁	
				superior conj	6400 Sep 30 09:12	11° ♁ 41'58	1°42'15
superior conj	6399 Oct 17 07:05	27° ♁ 11'22	1°41'14	minimum elong	6400 Sep 30 08:46	11° ♁ 39'39	1°42'15
minimum elong	6399 Oct 17 08:01	27° ♁ 16'04	1°41'13	max. Earth dist.	6400 Oct 03 20:40	18° ♁ 57'38	1.34279 AU
max. Earth dist.	6399 Oct 18 16:15	0° ♁		evening rise	6400 Oct 08 09:59	28° ♁ 04'33	
evening rise	6399 Oct 22 05:20	7° ♁ 02'34	1.35943 AU		6400 Oct 09 09:53	0° ♁	
	6399 Oct 26 04:44	14° ♁ 36'26		desc. node	6400 Oct 21 05:38	20° ♁ 50'31	
desc. node	6399 Nov 03 23:13	0° ♁			6400 Oct 27 04:38	0° ♁	
	6399 Nov 04 08:37	0° ♁ 38'50		evening max el	6400 Nov 12 07:16	19° ♁ 53'23	27°02'46
	6399 Nov 24 22:45	0° ♁		retrograde	6400 Nov 25 14:02	27° ♁ 12'05	
evening max el	6399 Nov 30 18:27	6° ♁ 17'23	26°14'12	evening set	6400 Dec 02 08:03	24° ♁ 33'29	
retrograde	6399 Dec 13 11:36	13° ♁ 28'29		min. Earth dist.	6400 Dec 06 06:34	20° ♁ 43'54	0.65393 AU
evening set	6399 Dec 19 18:15	10° ♁ 55'03		inferior conj	6400 Dec 08 08:22	18° ♁ 22'54	-1°24'57
min. Earth dist.	6399 Dec 23 23:00	6° ♁ 30'36	0.66647 AU	minimum elong	6400 Dec 08 10:50	18° ♁ 15'54	1°23'52
inferior conj	6399 Dec 25 13:02	4° ♁ 33'55	-0°22'54				
minimum elong	6399 Dec 25 13:39	4° ♁ 32'01	0°22'35				

asc. node	6400 Dec 12 13:06	14°♊08'22		min. Earth dist.	6401 Nov 19 05:30	4°♊35'59	0.63803 AU
morning rise	6400 Dec 14 14:44	12°♊47'55		inferior conj	6401 Nov 21 18:55	1°♊58'28	-2°30'23
direct	6400 Dec 17 07:52	12°♊08'12		minimum elong	6401 Nov 21 23:27	1°♊46'50	2°28'37
morning max el	6400 Dec 23 19:05	15°♊35'11	18°07'13		6401 Nov 23 18:28	30°♋♌	
	6401 Jan 03 06:13	0°♋		morning rise	6401 Nov 28 12:32	26°♌38'36	
morning set	6401 Jan 11 03:49	12°♋51'37		asc. node	6401 Nov 29 10:10	26°♌21'00	
desc. node	6401 Jan 17 04:57	22°♋42'32		direct	6401 Nov 30 23:11	26°♌09'10	
	6401 Jan 21 17:53	0°♌		morning max el	6401 Dec 07 12:08	29°♌33'38	17°50'26
					6401 Dec 07 22:31	0°♍	
superior conj	6401 Jan 25 20:07	6°♌29'47	-0°58'18	morning set	6401 Dec 24 03:15	24°♍56'37	
minimum elong	6401 Jan 25 13:06	6°♌02'07	0°57'23		6401 Dec 27 02:05	0°♎	
max. Earth dist.	6401 Jan 28 17:39	11°♌03'30	1.45294 AU	desc. node	6402 Jan 04 01:56	13°♎24'56	
	6401 Feb 09 21:19	0°♏					
evening rise	6401 Feb 11 01:50	1°♏50'36		superior conj	6402 Jan 05 19:16	16°♎14'24	-0°12'14
greatest brilliancy	6401 Feb 23 21:16	21°♏30'58	-0.7m	minimum elong	6402 Jan 05 17:55	16°♎08'51	0°12'00
	6401 Mar 01 17:58	0°♐		behind sun begin	6402 Jan 05 11:18	15°♎41'51	
evening max el	6401 Mar 07 18:45	7°♐23'09	19°33'01	behind sun end	6402 Jan 06 00:31	16°♎35'49	
asc. node	6401 Mar 10 12:18	9°♐47'48		max. Earth dist.	6402 Jan 11 11:51	25°♎24'30	1.44527 AU
retrograde	6401 Mar 15 01:06	11°♐33'14			6402 Jan 14 09:33	0°♑	
evening set	6401 Mar 18 15:15	10°♐17'47		evening rise	6402 Jan 21 13:00	11°♑05'52	
inferior conj	6401 Mar 24 01:38	4°♐22'32	3°19'38		6402 Feb 03 01:43	0°♒	
minimum elong	6401 Mar 24 00:14	4°♐27'10	3°19'27	evening max el	6402 Feb 18 20:43	20°♒58'51	20°33'58
min. Earth dist.	6401 Mar 25 06:20	2°♐47'57	0.66819 AU	asc. node	6402 Feb 25 09:22	25°♒31'21	
	6401 Mar 27 12:40	30°♒♓		retrograde	6402 Feb 26 23:28	25°♒44'38	
morning rise	6401 Mar 29 08:54	28°♓06'24		evening set	6402 Mar 02 22:32	24°♓14'29	
direct	6401 Apr 04 11:42	25°♓22'58		inferior conj	6402 Mar 08 06:41	18°♓06'24	2°58'57
	6401 Apr 13 21:21	0°♐		minimum elong	6402 Mar 08 04:35	18°♓13'37	2°58'31
desc. node	6401 Apr 15 04:17	1°♐09'34		min. Earth dist.	6402 Mar 08 21:38	17°♓15'12	0.67701 AU
morning max el	6401 Apr 16 19:32	2°♐45'11	25°41'29	morning rise	6402 Mar 13 10:24	11°♓51'46	
	6401 May 07 11:32	0°♑		direct	6402 Mar 19 00:05	9°♓22'51	
morning set	6401 May 22 23:32	26°♑02'09		morning max el	6402 Mar 30 04:13	16°♓03'53	24°16'01
	6401 May 25 03:00	0°♒		desc. node	6402 Apr 02 01:18	19°♓09'32	
max. Earth dist.	6401 May 26 17:50	3°♒03'07	1.35834 AU		6402 Apr 10 16:06	0°♓	
					6402 Apr 30 10:47	0°♔	
superior conj	6401 Jun 01 10:57	14°♒14'09	-0°49'22	morning set	6402 May 04 22:37	7°♔38'30	
minimum elong	6401 Jun 01 13:46	14°♒28'22	0°48'53	max. Earth dist.	6402 May 08 14:38	14°♔07'30	1.37901 AU
asc. node	6401 Jun 06 11:32	24°♒28'26					
evening rise	6401 Jun 09 10:50	0°♕34'08		superior conj	6402 May 15 16:02	27°♕14'53	-1°19'28
	6401 Jun 09 04:09	0°♕		minimum elong	6402 May 15 20:35	27°♕36'41	1°18'49
evening max el	6401 Jun 27 06:00	29°♕38'25	20°04'56		6402 May 17 02:18	0°♖	
	6401 Jun 27 14:56	0°♗		evening rise	6402 May 24 11:06	14°♖30'49	
retrograde	6401 Jul 07 18:08	4°♗47'50		asc. node	6402 May 24 08:34	14°♖18'16	
evening set	6401 Jul 09 15:48	4°♗38'25			6402 Jun 01 17:00	0°♘	
desc. node	6401 Jul 12 03:28	3°♗59'49		evening max el	6402 Jun 10 00:35	11°♘25'00	19°05'38
inferior conj	6401 Jul 18 17:14	0°♗39'17	-1°58'31	retrograde	6402 Jun 18 20:27	15°♘45'05	
minimum elong	6401 Jul 18 11:44	0°♗47'32	1°56'30	evening set	6402 Jun 20 19:47	15°♘33'00	
	6401 Jul 19 19:27	30°♘♙		inferior conj	6402 Jun 29 03:56	11°♘20'25	-0°02'33
min. Earth dist.	6401 Jul 20 11:48	29°♘35'41	0.55095 AU	minimum elong	6402 Jun 29 03:50	11°♘20'37	0°02'33
morning rise	6401 Jul 27 06:05	26°♘22'44		transit middle	6402 Jun 29 03:50	11°♘20'37	0°02'33
direct	6401 Jul 31 12:11	25°♘43'17		transit begin	6402 Jun 29 00:05	11°♘27'01	
	6401 Aug 11 08:02	0°♗		transit end	6402 Jun 29 07:34	11°♘14'12	
morning max el	6401 Aug 14 04:12	2°♗25'45	24°03'13	desc. node	6402 Jun 29 00:32	11°♘26'15	
asc. node	6401 Sep 02 10:53	0°♙36'54		min. Earth dist.	6402 Jul 02 02:29	9°♙20'23	0.56348 AU
	6401 Sep 02 03:14	0°♙		morning rise	6402 Jul 07 08:41	6°♙28'34	
morning set	6401 Sep 07 18:06	11°♙25'22		direct	6402 Jul 12 12:21	5°♙26'30	
				morning max el	6402 Jul 26 17:41	12°♙44'30	25°42'36
superior conj	6401 Sep 14 16:41	26°♙26'55	1°36'55		6402 Aug 09 04:45	0°♚	
minimum elong	6401 Sep 14 15:13	26°♙18'54	1°36'49	asc. node	6402 Aug 20 07:54	20°♚12'12	
	6401 Sep 16 08:09	0°♛		morning set	6402 Aug 23 05:27	26°♚14'09	
max. Earth dist.	6401 Sep 16 20:30	1°♛06'16	1.33029 AU		6402 Aug 24 23:34	0°♜	
evening rise	6401 Sep 22 02:49	12°♛04'38					
	6401 Oct 01 15:31	0°♞		superior conj	6402 Aug 30 03:17	11°♞18'38	1°26'01
desc. node	6401 Oct 08 02:39	10°♞38'17		minimum elong	6402 Aug 30 01:11	11°♞07'03	1°25'47
	6401 Oct 22 16:11	0°♏		max. Earth dist.	6402 Aug 31 03:16	13°♞30'35	1.32218 AU
evening max el	6401 Oct 25 19:01	3°♏10'13	27°26'37	evening rise	6402 Sep 06 03:59	26°♞27'12	
retrograde	6401 Nov 08 10:19	10°♏28'28			6402 Sep 07 21:26	0°♟	
evening set	6401 Nov 15 11:58	7°♏53'00		desc. node	6402 Sep 24 23:41	29°♟52'24	

	6402 Sep 25 01:46	0°♍		evening max el	6403 Sep 20 06:07	27°♎54'50	26°39'14
evening max el	6402 Oct 08 03:36	15°♍55'06	27°19'51		6403 Sep 22 14:50	0°♍	
retrograde	6402 Oct 21 23:25	23°♍08'23		retrograde	6403 Oct 04 04:04	5°♍02'50	
evening set	6402 Oct 29 02:35	20°♍46'44		evening set	6403 Oct 10 23:23	3°♍06'21	
min. Earth dist.	6402 Nov 01 18:09	17°♍56'15	0.61927 AU	min. Earth dist.	6403 Oct 14 19:53	0°♍30'45	0.59874 AU
inferior conj	6402 Nov 04 17:43	15°♍13'13	-3°35'42		6403 Oct 15 11:45	30°♎♊	
minimum elong	6402 Nov 04 23:57	14°♍58'56	3°33'41	inferior conj	6403 Oct 18 01:11	27°♎57'00	-4°34'28
morning rise	6402 Nov 11 23:18	10°♍11'52		minimum elong	6403 Oct 18 07:44	27°♎43'53	4°32'58
direct	6402 Nov 14 06:23	9°♍49'02		morning rise	6403 Oct 25 18:15	23°♎17'27	
asc. node	6402 Nov 16 07:13	10°♍07'35		direct	6403 Oct 28 01:16	22°♎58'08	
morning max el	6402 Nov 21 04:11	13°♍19'11	17°51'44	asc. node	6403 Nov 03 04:14	25°♎23'53	
	6402 Dec 02 11:56	0°♎		morning max el	6403 Nov 04 15:52	26°♎42'26	18°12'24
morning set	6402 Dec 06 23:38	8°♎01'56			6403 Nov 07 13:38	0°♍	
				morning set	6403 Nov 20 10:51	21°♍48'32	
superior conj	6402 Dec 17 20:20	27°♎14'39	0°29'19		6403 Nov 24 19:10	0°♎	
minimum elong	6402 Dec 17 22:53	27°♎25'35	0°29'00				
	6402 Dec 19 11:08	0°♎		superior conj	6403 Nov 29 21:56	9°♎25'31	1°01'45
desc. node	6402 Dec 21 22:55	4°♎11'07		minimum elong	6403 Nov 30 01:39	9°♎42'20	1°01'19
max. Earth dist.	6402 Dec 25 02:55	9°♎24'20	1.43130 AU	max. Earth dist.	6403 Dec 07 13:18	22°♎48'14	1.41259 AU
evening rise	6403 Jan 01 03:40	20°♎37'45		desc. node	6403 Dec 08 19:55	24°♎57'09	
	6403 Jan 07 05:53	0°♎			6403 Dec 11 21:09	0°♎	
	6403 Jan 28 14:40	0°♎		evening rise	6403 Dec 12 10:54	0°♎56'02	
evening max el	6403 Feb 01 17:20	4°♎36'25	21°46'10		6403 Dec 31 16:57	0°♎	
retrograde	6403 Feb 10 20:58	10°♎02'05		evening max el	6404 Jan 15 09:28	18°♎15'57	23°04'57
asc. node	6403 Feb 12 06:25	9°♎51'53		retrograde	6404 Jan 25 16:05	24°♎21'17	
evening set	6403 Feb 15 06:24	8°♎16'38		asc. node	6404 Jan 30 03:27	22°♎40'09	
inferior conj	6403 Feb 20 14:20	1°♎58'30	2°28'39	evening set	6404 Jan 30 13:18	22°♎20'21	
minimum elong	6403 Feb 20 11:59	2°♎06'39	2°28'00	inferior conj	6404 Feb 04 22:37	15°♎55'30	1°49'55
min. Earth dist.	6403 Feb 20 16:45	1°♎50'05	0.68163 AU	minimum elong	6404 Feb 04 20:29	16°♎02'51	1°49'13
	6403 Feb 22 00:47	30°♎		min. Earth dist.	6404 Feb 04 13:24	16°♎27'19	0.68219 AU
morning rise	6403 Feb 25 17:23	25°♎46'53		morning rise	6404 Feb 10 03:36	9°♎48'21	
direct	6403 Mar 02 16:44	23°♎38'25		direct	6404 Feb 14 12:40	8°♎02'40	
morning max el	6403 Mar 12 14:02	29°♎29'04	22°46'29	morning max el	6404 Feb 23 04:41	13°♎03'55	21°21'37
	6403 Mar 13 02:10	0°♎		desc. node	6404 Mar 05 19:16	27°♎30'03	
desc. node	6403 Mar 19 22:17	8°♎01'17			6404 Mar 07 13:53	0°♎	
	6403 Apr 04 10:57	0°♎		morning set	6404 Mar 25 13:41	27°♎04'46	
morning set	6403 Apr 15 20:12	18°♎00'45			6404 Mar 27 09:50	0°♎	
max. Earth dist.	6403 Apr 20 10:43	25°♎44'55	1.40126 AU	max. Earth dist.	6404 Apr 01 12:21	8°♎16'03	1.42217 AU
	6403 Apr 22 21:46	0°♎					
superior conj	6403 Apr 28 05:20	9°♎28'35	-1°46'05	superior conj	6404 Apr 08 21:56	20°♎43'29	-2°04'49
minimum elong	6403 Apr 28 10:40	9°♎52'54	1°45'34	minimum elong	6404 Apr 09 01:45	20°♎59'55	2°04'39
evening rise	6403 May 08 02:03	27°♎57'07			6404 Apr 14 04:56	0°♎	
	6403 May 09 03:57	0°♎		evening rise	6404 Apr 20 03:47	10°♎43'31	
asc. node	6403 May 11 05:35	3°♎53'37		asc. node	6404 Apr 27 02:38	23°♎08'50	
evening max el	6403 May 24 04:51	23°♎49'55	18°26'51		6404 May 01 07:47	0°♎	
retrograde	6403 May 31 17:51	27°♎34'43		evening max el	6404 May 06 15:07	6°♎43'50	18°08'08
evening set	6403 Jun 02 23:49	27°♎15'42		retrograde	6404 May 13 09:14	10°♎09'43	
inferior conj	6403 Jun 10 11:57	22°♎43'09	1°31'31	evening set	6404 May 15 22:18	9°♎40'52	
minimum elong	6403 Jun 10 14:50	22°♎37'21	1°30'31	inferior conj	6404 May 22 16:47	4°♎47'48	2°35'35
min. Earth dist.	6403 Jun 13 21:37	20°♎00'36	0.58245 AU	minimum elong	6404 May 22 19:58	4°♎40'21	2°34'47
desc. node	6403 Jun 15 21:33	18°♎34'59		min. Earth dist.	6404 May 25 23:38	1°♎45'03	0.60436 AU
morning rise	6403 Jun 18 02:36	17°♎16'57			6404 May 28 02:32	30°♎♊	
direct	6403 Jun 24 02:27	15°♎43'54		morning rise	6404 May 29 15:10	28°♎56'15	
morning max el	6403 Jul 08 11:43	23°♎25'13	27°00'40	desc. node	6404 Jun 01 18:34	27°♎24'33	
	6403 Jul 14 09:36	0°♎		direct	6404 Jun 05 04:53	26°♎50'23	
	6403 Aug 02 05:23	0°♎			6404 Jun 13 20:52	0°♎	
asc. node	6403 Aug 07 04:53	10°♎02'52		morning max el	6404 Jun 19 12:36	4°♎46'20	27°45'27
morning set	6403 Aug 07 14:51	10°♎55'16			6404 Jul 08 06:08	0°♎	
				morning set	6404 Jul 21 20:35	25°♎23'40	
superior conj	6403 Aug 14 15:04	26°♎10'59	1°10'12	asc. node	6404 Jul 24 01:53	0°♎03'48	
minimum elong	6403 Aug 14 12:47	25°♎58'23	1°09'49		6404 Jul 24 01:10	0°♎	
max. Earth dist.	6403 Aug 14 13:49	26°♎04'05	1.31844 AU	max. Earth dist.	6404 Jul 28 00:20	8°♎35'37	1.31902 AU
	6403 Aug 16 08:27	0°♎					
evening rise	6403 Aug 21 10:48	11°♎04'10		superior conj	6404 Jul 29 02:18	10°♎58'34	0°49'55
	6403 Aug 31 02:42	0°♎		minimum elong	6404 Jul 29 00:20	10°♎47'42	0°49'31
desc. node	6403 Sep 11 20:43	18°♎18'50		evening rise	6404 Aug 04 21:04	25°♎48'54	
					6404 Aug 06 20:42	0°♎	

	6404 Aug 24 04:30	0°♄		evening max el	6405 Aug 13 13:15	19°♎33'24	23°54'41
desc. node	6404 Aug 28 17:45	5°♄38'42		desc. node	6405 Aug 15 14:49	21°♎25'05	
evening max el	6404 Sep 01 00:41	9°♄04'14	25°27'26	retrograde	6405 Aug 27 06:14	26°♎26'25	
retrograde	6404 Sep 14 22:55	16°♄07'48		evening set	6405 Aug 31 19:31	25°♎40'44	
evening set	6404 Sep 20 21:37	14°♄45'53		min. Earth dist.	6405 Sep 06 23:41	22°♎40'50	0.56098 AU
min. Earth dist.	6404 Sep 25 12:28	12°♄07'31	0.57836 AU	inferior conj	6405 Sep 09 06:35	21°♎17'14	-5°22'17
inferior conj	6404 Sep 28 14:01	10°♄00'32	-5°15'28	minimum elong	6405 Sep 09 04:15	21°♎20'49	5°22'10
minimum elong	6404 Sep 28 17:54	9°♄53'48	5°15'04	morning rise	6405 Sep 17 15:21	17°♎20'27	
morning rise	6404 Oct 06 16:29	5°♄44'18		direct	6405 Sep 20 09:52	17°♎00'52	
direct	6404 Oct 09 03:21	5°♄25'59		morning max el	6405 Sep 30 12:39	21°♎44'29	19°57'29
morning max el	6404 Oct 17 19:45	9°♄34'13	18°53'56	asc. node	6405 Oct 06 22:15	29°♎31'15	
asc. node	6404 Oct 20 01:14	11°♄57'01			6405 Oct 07 05:57	0°♄	
	6404 Oct 31 05:31	0°♌		morning set	6405 Oct 18 12:40	20°♄36'44	
morning set	6404 Nov 03 08:19	6°♌03'22			6405 Oct 23 03:03	0°♌	
superior conj	6404 Nov 11 19:05	22°♌32'52	1°24'11	superior conj	6405 Oct 26 06:38	6°♌21'34	1°37'22
minimum elong	6404 Nov 11 22:12	22°♌47'43	1°23'54	minimum elong	6405 Oct 26 08:24	6°♌30'24	1°37'16
	6404 Nov 15 18:39	0°♌		max. Earth dist.	6405 Nov 01 00:32	17°♌31'41	1.37048 AU
max. Earth dist.	6404 Nov 18 19:11	5°♌27'45	1.39146 AU	evening rise	6405 Nov 04 19:24	24°♌30'35	
evening rise	6404 Nov 22 16:24	12°♌14'16			6405 Nov 07 21:53	0°♌	
desc. node	6404 Nov 24 16:57	15°♌39'35		desc. node	6405 Nov 11 13:59	6°♌14'10	
	6404 Dec 03 15:49	0°♊			6405 Nov 27 07:15	0°♊	
	6404 Dec 26 00:58	0°♊		evening max el	6405 Dec 10 11:38	15°♊43'41	25°37'52
evening max el	6404 Dec 27 22:53	1°♊58'29	24°24'28	retrograde	6405 Dec 22 18:51	22°♊47'01	
retrograde	6405 Jan 08 07:42	8°♊37'57		evening set	6405 Dec 28 17:58	20°♊19'12	
evening set	6405 Jan 13 17:42	6°♊22'26		min. Earth dist.	6406 Jan 02 02:30	15°♊34'25	0.67195 AU
asc. node	6405 Jan 16 00:29	4°♊03'22		asc. node	6406 Jan 02 21:32	14°♊33'51	
min. Earth dist.	6405 Jan 18 09:24	1°♊03'14	0.67891 AU	inferior conj	6406 Jan 03 09:58	13°♊54'03	0°10'30
inferior conj	6405 Jan 19 05:46	29°♊54'58	1°03'38	minimum elong	6406 Jan 03 09:42	13°♊54'55	0°10'26
minimum elong	6405 Jan 19 04:20	29°♊59'49	1°03'06	transit middle	6406 Jan 03 09:42	13°♊54'55	0°10'26
	6405 Jan 19 04:16	30°♊		transit begin	6406 Jan 03 07:33	14°♊01'46	
morning rise	6405 Jan 24 15:05	23°♊53'48		transit end	6406 Jan 03 11:51	13°♊48'03	
direct	6405 Jan 28 10:46	22°♊30'24		morning rise	6406 Jan 09 01:51	8°♊00'50	
morning max el	6405 Feb 05 02:48	26°♊50'47	20°07'38	direct	6406 Jan 12 09:43	6°♊57'10	
	6405 Feb 07 23:56	0°♊		morning max el	6406 Jan 19 08:46	10°♊48'09	19°08'05
desc. node	6405 Feb 20 16:16	17°♊25'54		greatest brilliancy	6406 Feb 02 01:32	29°♊16'21	-0.7m
	6405 Mar 01 00:28	0°♋			6406 Feb 02 13:01	0°♊	
morning set	6405 Mar 04 11:53	5°♋20'20		desc. node	6406 Feb 07 13:17	7°♋41'34	
max. Earth dist.	6405 Mar 14 21:05	21°♋38'13	1.43913 AU	morning set	6406 Feb 11 14:05	13°♋56'27	
	6405 Mar 20 01:13	0°♐			6406 Feb 21 21:28	0°♋	
				max. Earth dist.	6406 Feb 25 12:01	5°♋39'37	1.45016 AU
superior conj	6405 Mar 20 13:49	0°♐51'36	-2°09'57	superior conj	6406 Feb 28 06:05	10°♋00'18	-1°56'15
minimum elong	6405 Mar 20 12:34	0°♐46'29	2°09'56	minimum elong	6406 Feb 27 22:23	9°♋29'53	1°55'43
evening rise	6405 Apr 02 11:48	22°♐40'00			6406 Mar 12 16:23	0°♐	
	6405 Apr 06 17:47	0°♐		evening rise	6406 Mar 14 22:02	3°♐39'52	
asc. node	6405 Apr 13 23:40	11°♐56'41		asc. node	6406 Mar 31 20:44	0°♐08'56	
evening max el	6405 Apr 20 04:00	19°♐57'19	18°08'44		6406 Mar 31 17:56	0°♐	
retrograde	6405 Apr 26 14:08	23°♐19'14		evening max el	6406 Apr 03 16:34	3°♐23'35	18°27'51
evening set	6405 Apr 29 09:55	22°♐38'40		retrograde	6406 Apr 10 04:06	6°♐54'51	
inferior conj	6405 May 05 14:45	17°♐26'19	3°12'29	evening set	6406 Apr 13 06:37	6°♐01'17	
minimum elong	6405 May 05 16:48	17°♐20'53	3°12'10	inferior conj	6406 Apr 19 01:44	0°♐31'04	3°27'46
min. Earth dist.	6405 May 08 10:25	14°♐27'30	0.62616 AU	minimum elong	6406 Apr 19 02:16	0°♐29'30	3°27'44
morning rise	6405 May 11 22:08	11°♐19'56			6406 Apr 19 12:14	30°♐	
direct	6405 May 18 17:37	8°♐47'33		min. Earth dist.	6406 Apr 21 06:30	27°♐56'05	0.64559 AU
desc. node	6405 May 19 15:36	8°♐50'08		morning rise	6406 Apr 24 21:06	24°♐17'40	
morning max el	6405 Jun 01 19:06	16°♐49'34	27°52'13	direct	6406 May 01 14:35	21°♐30'53	
	6405 Jun 12 16:34	0°♑		desc. node	6406 May 06 12:38	22°♐45'51	
	6405 Jun 30 23:36	0°♑		morning max el	6406 May 15 04:39	29°♐27'49	27°23'04
morning set	6405 Jul 05 20:30	9°♑31'49			6406 May 15 17:16	0°♐	
asc. node	6405 Jul 10 22:54	20°♑09'37			6406 Jun 06 14:29	0°♑	
max. Earth dist.	6405 Jul 11 06:39	20°♑51'08	1.32401 AU	morning set	6406 Jun 19 11:59	23°♑12'09	
					6406 Jun 22 21:41	0°♑	
superior conj	6405 Jul 13 11:09	25°♑34'43	0°25'42	max. Earth dist.	6406 Jun 24 04:59	2°♑40'28	1.33368 AU
minimum elong	6405 Jul 13 09:58	25°♑28'19	0°25'24				
	6405 Jul 15 11:48	0°♒		superior conj	6406 Jun 27 15:41	9°♑53'46	-0°01'50
evening rise	6405 Jul 20 08:45	10°♒34'03		minimum elong	6406 Jun 27 15:47	9°♑54'16	0°01'52
	6405 Jul 30 06:23	0°♒					

behind sun begin	6406 Jun 27 10:20	9°☿25'19		max. Earth dist.	6407 Jun 06 16:37	14°♄00'35	1.34811 AU
behind sun end	6406 Jun 27 21:14	10°☿23'15					
asc. node	6406 Jun 27 19:57	10°☿16'24		superior conj	6407 Jun 11 13:33	23°♄48'42	-0°31'41
evening rise	6406 Jul 04 20:01	25°☿14'05		minimum elong	6407 Jun 11 15:19	23°♄57'47	0°31'22
	6406 Jul 07 02:52	0°♄		asc. node	6407 Jun 14 17:01	0°☿19'53	
evening max el	6406 Jul 26 03:00	29°♄52'01	22°16'42		6407 Jun 14 13:12	0°☿	
	6406 Jul 26 06:17	0°♄		evening rise	6407 Jun 19 04:53	9°☿42'47	
desc. node	6406 Aug 02 11:51	5°♄05'33			6407 Jun 29 23:21	0°♄	
retrograde	6406 Aug 08 01:06	6°♄17'14		evening max el	6407 Jul 08 01:49	10°♄32'46	20°48'04
evening set	6406 Aug 11 02:31	5°♄56'34		retrograde	6407 Jul 19 13:18	16°♄12'09	
min. Earth dist.	6406 Aug 19 09:12	2°♄21'07	0.54998 AU	desc. node	6407 Jul 20 08:53	16°♄10'31	
inferior conj	6406 Aug 20 06:06	1°♄51'39	-4°38'55	evening set	6407 Jul 21 16:08	16°♄01'22	
minimum elong	6406 Aug 19 21:48	2°♄03'22	4°37'12	inferior conj	6407 Jul 30 22:56	12°♄04'25	-3°05'34
	6406 Aug 23 16:22	30°♄		minimum elong	6407 Jul 30 14:44	12°♄16'05	3°02'52
morning rise	6406 Aug 28 18:46	28°♄02'25		min. Earth dist.	6407 Jul 31 19:22	11°♄35'22	0.54784 AU
direct	6406 Sep 01 00:15	27°♄38'58		morning rise	6407 Aug 08 13:13	8°♄03'57	
	6406 Sep 08 16:05	0°♄		direct	6407 Aug 12 09:08	7°♄32'30	
morning max el	6406 Sep 12 17:00	3°♄07'28	21°22'12	morning max el	6407 Aug 25 10:51	13°♄48'34	23°02'45
asc. node	6406 Sep 23 19:16	17°♄52'54			6407 Sep 06 19:28	0°♄	
	6406 Sep 30 06:35	0°♄		asc. node	6407 Sep 10 16:19	6°♄50'38	
morning set	6406 Oct 02 21:24	5°♄21'47		morning set	6407 Sep 17 08:33	20°♄13'09	
					6407 Sep 21 22:06	0°♄	
superior conj	6406 Oct 10 04:22	20°♄39'27	1°42'29	superior conj	6407 Sep 24 09:05	5°♄17'14	1°40'42
minimum elong	6406 Oct 10 04:41	20°♄41'05	1°42'30	minimum elong	6407 Sep 24 08:09	5°♄12'17	1°40'41
max. Earth dist.	6406 Oct 14 11:17	29°♄24'17	1.35190 AU	max. Earth dist.	6407 Sep 27 06:38	11°♄25'57	1.33698 AU
	6406 Oct 14 18:28	0°♄		evening rise	6407 Oct 02 02:58	21°♄19'06	
evening rise	6406 Oct 18 16:17	7°♄35'43			6407 Oct 06 15:42	0°♄	
desc. node	6406 Oct 29 11:01	26°♄35'54		desc. node	6407 Oct 16 08:03	16°♄38'47	
	6406 Oct 31 13:43	0°♄			6407 Oct 25 10:26	0°♄	
evening max el	6406 Nov 23 00:43	29°♄26'11	26°37'39	evening max el	6407 Nov 05 13:31	12°♄56'31	27°16'24
	6406 Nov 23 14:57	0°♄		retrograde	6407 Nov 19 00:13	20°♄14'52	
retrograde	6406 Dec 06 00:34	6°♄41'38		evening set	6407 Nov 25 22:07	17°♄36'42	
evening set	6406 Dec 12 12:11	4°♄05'31		min. Earth dist.	6407 Nov 29 18:26	14°♄01'22	0.64759 AU
min. Earth dist.	6406 Dec 16 14:18	29°♄55'42	0.66149 AU	inferior conj	6407 Dec 02 01:08	11°♄32'33	-1°52'25
	6406 Dec 16 12:50	30°♄		minimum elong	6407 Dec 02 04:29	11°♄23'27	1°51'01
inferior conj	6406 Dec 18 09:11	27°♄48'07	-0°48'40	asc. node	6407 Dec 07 15:37	6°♄29'47	
minimum elong	6406 Dec 18 10:33	27°♄44'04	0°48'02	morning rise	6407 Dec 08 12:08	6°♄03'26	
asc. node	6406 Dec 20 18:35	25°♄04'26		direct	6407 Dec 11 02:18	5°♄28'23	
morning rise	6406 Dec 24 09:43	22°♄05'24		morning max el	6407 Dec 17 13:13	8°♄52'59	17°57'56
direct	6406 Dec 27 07:40	21°♄17'57			6407 Dec 31 22:43	0°♄	
morning max el	6407 Jan 02 21:03	24°♄50'44	18°24'35	morning set	6408 Jan 04 01:26	5°♄12'02	
	6407 Jan 07 05:19	0°♄		desc. node	6408 Jan 12 07:19	18°♄49'47	
morning set	6407 Jan 22 16:58	23°♄50'07					
desc. node	6407 Jan 25 10:18	28°♄10'52		superior conj	6408 Jan 17 21:13	27°♄50'00	-0°38'43
	6407 Jan 26 13:42	0°♄		minimum elong	6408 Jan 17 16:35	27°♄31'30	0°38'02
superior conj	6407 Feb 07 09:56	18°♄41'29	-1°23'17		6408 Jan 19 05:50	0°♄	
minimum elong	6407 Feb 07 00:42	18°♄05'20	1°22'14	max. Earth dist.	6408 Jan 22 02:40	4°♄32'31	1.45058 AU
max. Earth dist.	6407 Feb 08 06:53	20°♄03'37	1.45410 AU	evening rise	6408 Feb 03 01:26	23°♄07'59	
	6407 Feb 14 15:13	0°♄			6408 Feb 07 12:51	0°♄	
evening rise	6407 Feb 23 08:54	13°♄43'28		greatest brilliancy	6408 Feb 17 10:38	14°♄55'55	-0.6m
greatest brilliancy	6407 Mar 05 11:26	29°♄35'52	-0.8m		6408 Feb 28 19:35	0°♄	
	6407 Mar 05 17:40	0°♄		evening max el	6408 Feb 29 07:23	0°♄30'44	19°57'17
evening max el	6407 Mar 18 02:18	16°♄55'55	19°04'34	asc. node	6408 Mar 04 14:51	3°♄58'55	
asc. node	6407 Mar 18 17:48	17°♄34'03		retrograde	6408 Mar 07 21:31	4°♄54'53	
retrograde	6407 Mar 24 23:31	20°♄48'29		evening set	6408 Mar 11 15:25	3°♄33'01	
evening set	6407 Mar 28 09:15	19°♄41'06			6408 Mar 15 03:16	30°♄	
inferior conj	6407 Apr 02 21:59	13°♄54'27	3°26'26	inferior conj	6408 Mar 17 00:33	27°♄31'55	3°12'07
minimum elong	6407 Apr 02 21:11	13°♄57'01	3°26'22	minimum elong	6408 Mar 16 22:48	27°♄37'49	3°11'50
min. Earth dist.	6407 Apr 04 11:12	11°♄56'06	0.66123 AU	min. Earth dist.	6408 Mar 17 23:10	26°♄15'58	0.67251 AU
morning rise	6407 Apr 08 08:44	7°♄38'44		morning rise	6408 Mar 22 05:58	21°♄16'26	
direct	6407 Apr 14 18:10	4°♄50'50		direct	6408 Mar 28 03:24	18°♄38'28	
desc. node	6407 Apr 23 09:39	8°♄39'50		morning max el	6408 Apr 08 23:57	25°♄44'01	25°06'19
morning max el	6407 Apr 27 14:42	12°♄29'13	26°24'43	desc. node	6408 Apr 09 06:40	26°♄01'06	
	6407 May 11 16:09	0°♄			6408 Apr 12 21:39	0°♄	
	6407 May 30 06:11	0°♄			6408 May 04 05:02	0°♄	
morning set	6407 Jun 02 15:34	6°♄14'27		morning set	6408 May 15 02:41	18°♄26'32	

max. Earth dist.	6408 May 18 18:03	25°♄04'50	1.36683 AU	morning set	6409 Apr 26 15:41	29°♄33'29	
	6408 May 21 08:46	0°♄			6409 Apr 26 21:55	0°♄	
				max. Earth dist.	6409 Apr 30 13:53	6°♄20'37	1.38837 AU
superior conj	6408 May 25 01:48	7°♄11'49	-1°02'20	superior conj	6409 May 08 00:45	19°♄53'51	-1°31'24
minimum elong	6408 May 25 05:24	7°♄29'35	1°01'44	minimum elong	6409 May 08 05:49	20°♄17'39	1°30'46
asc. node	6408 May 31 14:03	20°♄16'02			6409 May 13 07:36	0°♄	
evening rise	6408 Jun 02 09:06	23°♄53'35		evening rise	6409 May 17 05:53	7°♄38'52	
	6408 Jun 05 10:45	0°♄		asc. node	6409 May 18 11:05	10°♄00'34	
evening max el	6408 Jun 19 13:18	21°♄53'58	19°37'07		6409 May 30 02:28	0°♄	
retrograde	6408 Jun 29 07:33	26°♄41'33		evening max el	6409 Jun 02 12:24	3°♄57'58	18°46'39
evening set	6408 Jul 01 04:52	26°♄31'34		retrograde	6409 Jun 10 18:02	8°♄01'32	
desc. node	6408 Jul 06 05:55	24°♄40'29		evening set	6409 Jun 12 19:44	7°♄47'05	
inferior conj	6408 Jul 09 23:44	22°♄27'31	-1°07'51	inferior conj	6409 Jun 20 19:20	3°♄26'22	0°40'47
minimum elong	6408 Jul 09 20:39	22°♄32'24	1°06'43	minimum elong	6409 Jun 20 20:52	3°♄23'33	0°40'11
min. Earth dist.	6408 Jul 12 07:57	20°♄59'13	0.55528 AU	desc. node	6409 Jun 23 02:56	1°♄44'16	
morning rise	6408 Jul 18 10:04	17°♄56'54		min. Earth dist.	6409 Jun 24 00:32	1°♄05'50	0.57088 AU
direct	6408 Jul 23 00:56	17°♄09'24			6409 Jun 25 15:55	30°♄	
morning max el	6408 Aug 06 00:09	24°♄07'52	24°47'13	morning rise	6409 Jun 28 18:33	28°♄18'44	
	6408 Aug 11 08:57	0°♄		direct	6409 Jul 04 07:02	27°♄04'21	
asc. node	6408 Aug 27 13:20	26°♄14'26			6409 Jul 13 00:05	0°♄	
	6408 Aug 29 10:01	0°♄		morning max el	6409 Jul 18 15:24	4°♄34'16	26°19'16
morning set	6408 Aug 31 20:18	5°♄04'31			6409 Aug 06 02:24	0°♄	
superior conj	6408 Sep 07 18:08	20°♄05'55	1°32'56	asc. node	6409 Aug 14 10:21	15°♄57'11	
minimum elong	6408 Sep 07 16:21	19°♄56'06	1°32'47	morning set	6409 Aug 16 07:03	19°♄50'57	
max. Earth dist.	6408 Sep 09 09:55	23°♄42'36	1.32630 AU		6409 Aug 20 23:22	0°♄	
	6408 Sep 12 08:21	0°♄		superior conj	6409 Aug 23 05:29	4°♄58'53	1°19'54
evening rise	6408 Sep 14 23:41	5°♄29'40		minimum elong	6409 Aug 23 03:15	4°♄46'33	1°19'35
	6408 Sep 28 06:22	0°♄		max. Earth dist.	6409 Aug 23 18:39	6°♄11'36	1.32004 AU
desc. node	6408 Oct 02 05:05	6°♄13'49		evening rise	6409 Aug 30 03:33	19°♄59'08	
evening max el	6408 Oct 18 00:08	26°♄00'52	27°27'38		6409 Sep 04 02:24	0°♄	
	6408 Oct 22 20:23	0°♄		desc. node	6409 Sep 19 02:06	25°♄09'36	
retrograde	6408 Oct 31 17:22	3°♄17'00			6409 Sep 22 16:33	0°♄	
evening set	6408 Nov 07 20:48	0°♄45'46		evening max el	6409 Sep 30 06:11	8°♄26'47	27°06'34
	6408 Nov 08 21:26	30°♄		retrograde	6409 Oct 14 03:15	15°♄38'31	
min. Earth dist.	6408 Nov 11 12:53	27°♄41'24	0.63043 AU	evening set	6409 Oct 21 04:27	13°♄25'50	
inferior conj	6408 Nov 14 07:03	24°♄59'54	-2°58'22	min. Earth dist.	6409 Oct 24 20:47	10°♄43'37	0.61069 AU
minimum elong	6408 Nov 14 12:24	24°♄46'48	2°56'25	inferior conj	6409 Oct 27 23:43	8°♄02'10	-4°01'59
morning rise	6408 Nov 21 05:46	19°♄47'43		minimum elong	6409 Oct 28 06:22	7°♄47'48	4°00'04
direct	6408 Nov 23 14:36	19°♄21'27		morning rise	6409 Nov 04 10:24	3°♄10'03	
asc. node	6408 Nov 23 12:38	19°♄21'29		direct	6409 Nov 06 16:53	2°♄49'12	
morning max el	6408 Nov 30 06:16	22°♄46'56	17°48'45	asc. node	6409 Nov 10 09:40	3°♄47'03	
	6408 Dec 05 21:51	0°♄		morning max el	6409 Nov 13 20:56	6°♄24'15	17°58'04
morning set	6408 Dec 16 10:33	17°♄44'44			6409 Nov 28 22:52	0°♄	
	6408 Dec 23 11:52	0°♄		morning set	6409 Nov 29 13:50	1°♄08'49	
superior conj	6408 Dec 28 07:04	8°♄05'58	0°06'21	superior conj	6409 Dec 09 19:03	19°♄37'31	0°44'18
minimum elong	6408 Dec 28 07:43	8°♄08'40	0°06'18	minimum elong	6409 Dec 09 22:23	19°♄52'09	0°43'53
behind sun begin	6408 Dec 27 23:06	7°♄32'48			6409 Dec 15 20:24	0°♄	
behind sun end	6408 Dec 28 16:20	8°♄44'28		desc. node	6409 Dec 16 01:17	0°♄20'26	
desc. node	6408 Dec 29 04:18	9°♄34'05		max. Earth dist.	6409 Dec 17 08:36	2°♄30'36	1.42376 AU
max. Earth dist.	6409 Jan 03 20:00	18°♄47'00	1.44002 AU	evening rise	6409 Dec 23 08:28	12°♄13'02	
	6409 Jan 10 22:36	0°♄			6410 Jan 03 23:32	0°♄	
evening rise	6409 Jan 12 12:05	2°♄25'06		evening max el	6410 Jan 25 01:16	27°♄43'43	22°19'16
	6409 Jan 31 02:05	0°♄			6410 Jan 27 11:34	0°♄	
evening max el	6409 Feb 11 06:54	14°♄06'27	21°03'31	retrograde	6410 Feb 03 16:35	3°♄27'20	
asc. node	6409 Feb 19 11:53	19°♄08'40		asc. node	6410 Feb 06 08:55	2°♄50'01	
retrograde	6409 Feb 19 19:51	19°♄09'15		evening set	6410 Feb 08 06:46	1°♄35'23	
evening set	6409 Feb 23 23:09	17°♄32'31			6410 Feb 09 22:19	30°♄	
inferior conj	6409 Mar 01 06:57	11°♄19'30	2°47'12	inferior conj	6410 Feb 13 15:06	25°♄13'46	2°13'12
minimum elong	6409 Mar 01 04:42	11°♄27'19	2°46'40	minimum elong	6410 Feb 13 12:47	25°♄21'48	2°12'30
min. Earth dist.	6409 Mar 01 16:22	10°♄46'58	0.67942 AU	min. Earth dist.	6410 Feb 13 12:30	25°♄22'47	0.68226 AU
morning rise	6409 Mar 06 10:03	5°♄05'57		morning rise	6410 Feb 18 18:38	19°♄03'37	
direct	6409 Mar 11 17:34	2°♄45'30		direct	6410 Feb 23 11:46	17°♄04'44	
morning max el	6409 Mar 22 08:59	9°♄06'02	23°37'58	morning max el	6410 Mar 04 20:23	22°♄34'27	22°09'22
desc. node	6409 Mar 27 03:40	14°♄25'05			6410 Mar 11 06:59	0°♄	
	6409 Apr 07 19:27	0°♄					

desc. node	6410 Mar 14 00:38	3° X 33'44			6411 Mar 24 22:20	0° Y	
	6410 Apr 01 03:36	0° Y		max. Earth dist.	6411 Mar 25 15:34	1° Y 09'47	1.43004 AU
morning set	6410 Apr 07 01:09	9° Y 21'18					
max. Earth dist.	6410 Apr 12 11:08	18° Y 16'45	1.41038 AU	superior conj	6411 Apr 01 12:13	12° Y 30'23	-2°09'01
	6410 Apr 19 06:28	0° Z		minimum elong	6411 Apr 01 14:19	12° Y 39'13	2°08'59
					6411 Apr 11 14:35	0° Z	
superior conj	6410 Apr 20 05:47	1° Z 43'16	-1°55'19	evening rise	6411 Apr 13 10:25	3° Z 14'31	
minimum elong	6410 Apr 20 10:51	2° Z 05'51	1°54'56	asc. node	6411 Apr 22 05:09	18° Z 31'59	
evening rise	6410 Apr 30 15:41	20° Z 48'49		evening max el	6411 Apr 30 07:33	29° Z 39'35	18°06'08
asc. node	6410 May 05 08:07	29° Z 27'49			6411 Apr 30 16:01	0° II	
	6410 May 05 15:14	0° II		retrograde	6411 May 06 20:49	3° II 01'38	
evening max el	6410 May 16 19:43	16° II 36'20	18°16'35	evening set	6411 May 09 12:55	2° II 27'51	
retrograde	6410 May 23 23:18	20° II 11'02			6411 May 13 07:27	30° R Z	
evening set	6410 May 26 08:17	19° II 48'12		inferior conj	6411 May 16 01:06	27° Z 26'29	2°54'12
inferior conj	6410 Jun 02 12:31	15° II 07'15	2°02'14	minimum elong	6411 May 16 03:54	27° Z 19'33	2°53'37
minimum elong	6410 Jun 02 15:48	15° II 00'12	2°01'15	min. Earth dist.	6411 May 19 03:58	24° Z 22'42	0.61387 AU
min. Earth dist.	6410 Jun 05 22:33	12° II 12'49	0.59157 AU	morning rise	6411 May 22 16:51	21° Z 27'49	
morning rise	6410 Jun 09 20:16	9° II 28'53		desc. node	6411 May 27 21:00	19° Z 16'35	
desc. node	6410 Jun 09 23:58	9° II 23'44		direct	6411 May 29 10:15	19° Z 09'22	
direct	6410 Jun 16 03:05	7° II 41'12		morning max el	6411 Jun 12 15:28	27° Z 08'22	27°52'55
morning max el	6410 Jun 30 12:14	15° II 30'27	27°24'07		6411 Jun 15 08:30	0° II	
	6410 Jul 12 06:46	0° Z			6411 Jul 05 22:48	0° Z	
	6410 Jul 29 11:22	0° O		morning set	6411 Jul 15 18:38	18° Z 47'05	
morning set	6410 Jul 31 15:06	4° O 27'03		asc. node	6411 Jul 19 04:24	25° Z 55'54	
asc. node	6410 Aug 01 07:22	5° O 52'38			6411 Jul 21 01:43	0° O	
max. Earth dist.	6410 Aug 07 05:26	18° O 44'25	1.31814 AU	max. Earth dist.	6411 Jul 21 14:37	1° O 10'07	1.32061 AU
superior conj	6410 Aug 07 17:16	19° O 49'54	1°02'08	superior conj	6411 Jul 23 03:43	4° O 33'05	0°40'07
minimum elong	6410 Aug 07 15:04	19° O 37'42	1°01'43	minimum elong	6411 Jul 23 02:02	4° O 23'47	0°39'44
	6410 Aug 12 08:04	0° P		evening rise	6411 Jul 29 23:12	19° O 25'36	
evening rise	6410 Aug 14 12:05	4° P 40'01			6411 Aug 04 02:25	0° P	
	6410 Aug 27 20:42	0° A		desc. node	6411 Aug 23 20:13	29° P 54'13	
desc. node	6410 Sep 05 23:09	13° A 10'29			6411 Aug 23 22:30	0° A	
evening max el	6410 Sep 12 05:28	20° A 05'21	26°12'08	evening max el	6411 Aug 24 21:13	0° A 55'58	24°49'46
retrograde	6410 Sep 26 04:19	27° A 11'53		retrograde	6411 Sep 07 18:10	7° A 55'31	
evening set	6410 Oct 02 16:16	25° A 29'30		evening set	6411 Sep 13 03:53	6° A 49'48	
min. Earth dist.	6410 Oct 06 18:37	22° A 54'46	0.58987 AU	min. Earth dist.	6411 Sep 18 08:30	4° A 04'20	0.57042 AU
inferior conj	6410 Oct 09 23:40	20° A 30'12	-4°54'56	inferior conj	6411 Sep 21 03:57	2° A 14'24	-5°23'38
minimum elong	6410 Oct 10 05:33	20° A 19'07	4°53'53	minimum elong	6411 Sep 21 05:31	2° A 11'49	5°23'35
morning rise	6410 Oct 17 21:04	16° A 00'25			6411 Sep 24 19:04	30° R P	
direct	6410 Oct 20 05:04	15° A 41'55		morning rise	6411 Sep 29 09:24	28° P 06'57	
morning max el	6410 Oct 28 05:45	19° A 35'36	18°27'22	direct	6411 Oct 01 23:14	27° P 48'14	
asc. node	6410 Oct 28 06:41	19° A 37'50			6411 Oct 08 12:58	0° A	
	6410 Nov 04 23:23	0° M		morning max el	6411 Oct 11 05:13	2° A 10'17	19°18'13
morning set	6410 Nov 13 05:57	15° M 09'08		asc. node	6411 Oct 15 03:43	6° A 38'36	
	6410 Nov 21 00:45	0° X		morning set	6411 Oct 28 06:45	29° A 33'07	
					6411 Oct 28 12:08	0° M	
superior conj	6410 Nov 22 05:40	2° X 14'27	1°12'28				
minimum elong	6410 Nov 22 09:17	2° X 31'11	1°12'03	superior conj	6411 Nov 05 09:31	15° M 40'54	1°30'49
max. Earth dist.	6410 Nov 29 16:33	15° X 34'50	1.40376 AU	minimum elong	6411 Nov 05 12:07	15° M 53'31	1°30'38
desc. node	6410 Dec 02 22:19	21° X 05'43		max. Earth dist.	6411 Nov 11 22:02	27° M 59'05	1.38242 AU
evening rise	6410 Dec 04 01:04	22° X 57'10			6411 Nov 13 00:44	0° X	
	6410 Dec 08 09:01	0° Z		evening rise	6411 Nov 15 16:06	4° X 41'10	
	6410 Dec 28 22:42	0° Z		desc. node	6411 Nov 19 19:22	11° X 45'25	
evening max el	6411 Jan 07 16:09	11° Z 25'18	23°39'09		6411 Dec 01 10:18	0° Z	
retrograde	6411 Jan 18 10:20	17° Z 46'03		evening max el	6411 Dec 21 05:18	25° Z 10'02	24°56'52
evening set	6411 Jan 23 12:48	15° Z 39'03			6411 Dec 27 02:28	0° Z	
asc. node	6411 Jan 24 05:56	15° Z 00'21		retrograde	6412 Jan 01 23:58	2° Z 00'12	
inferior conj	6411 Jan 28 23:09	9° Z 12'39	1°31'12		6412 Jan 07 05:25	30° R Z	
minimum elong	6411 Jan 28 21:15	9° Z 19'07	1°30'32	evening set	6412 Jan 07 15:38	29° Z 39'10	
min. Earth dist.	6411 Jan 28 09:15	10° Z 00'08	0.68125 AU	asc. node	6412 Jan 11 02:58	25° Z 55'42	
morning rise	6411 Feb 03 05:40	3° Z 07'36		min. Earth dist.	6412 Jan 12 04:15	24° Z 34'38	0.67647 AU
direct	6411 Feb 07 08:58	1° Z 31'22		inferior conj	6412 Jan 13 05:17	23° Z 12'22	0°41'55
morning max el	6411 Feb 15 13:52	6° Z 13'55	20°48'29	minimum elong	6412 Jan 13 04:16	23° Z 15'40	0°41'33
desc. node	6411 Feb 28 21:39	23° Z 15'15		morning rise	6412 Jan 18 17:07	17° Z 14'21	
	6411 Mar 05 12:43	0° X		direct	6412 Jan 22 07:41	15° Z 59'32	
morning set	6411 Mar 17 08:17	17° X 57'41		morning max el	6412 Jan 29 15:22	20° Z 05'29	19°40'23

	6412 Feb 06 16:11	0°♊		asc. node	6412 Dec 28 00:01	6°♊18'50	
greatest brilliancy	6412 Feb 11 13:30	7°♊02'16	-0.7m	morning rise	6413 Jan 02 02:57	1°♊20'45	
desc. node	6412 Feb 15 18:40	13°♊20'16		direct	6413 Jan 05 06:23	0°♊24'28	
morning set	6412 Feb 24 04:58	26°♊12'41		morning max el	6413 Jan 12 00:21	4°♊06'02	18°47'33
	6412 Feb 26 15:48	0°♋			6413 Jan 30 06:56	0°♊	
max. Earth dist.	6412 Mar 07 03:44	14°♋52'31	1.44473 AU	desc. node	6413 Feb 01 15:40	3°♊42'14	
				morning set	6413 Feb 02 16:00	5°♊17'37	
superior conj	6412 Mar 11 17:25	22°♋10'51	-2°06'38	max. Earth dist.	6413 Feb 17 20:56	29°♊06'31	1.45277 AU
minimum elong	6412 Mar 11 13:15	21°♋54'08	2°06'28		6413 Feb 18 10:34	0°♋	
	6412 Mar 16 12:48	0°♌					
evening rise	6412 Mar 25 09:33	14°♌47'16		superior conj	6413 Feb 19 02:13	1°♋01'23	-1°44'19
	6412 Apr 03 11:30	0°♍		minimum elong	6413 Feb 18 16:58	0°♋25'05	1°43'30
asc. node	6412 Apr 08 02:12	7°♍05'35		evening rise	6413 Mar 06 09:45	25°♋22'32	
evening max el	6412 Apr 12 20:36	12°♍59'03	18°14'37		6413 Mar 09 06:32	0°♌	
retrograde	6412 Apr 19 06:08	16°♍23'17		greatest brilliancy	6413 Mar 12 22:56	5°♌56'11	-0.9m
evening set	6412 Apr 22 04:51	15°♍37'08		asc. node	6413 Mar 25 23:15	24°♌59'03	
inferior conj	6412 Apr 28 05:03	10°♍16'43	3°21'18	evening max el	6413 Mar 27 08:08	26°♌27'53	18°41'20
minimum elong	6412 Apr 28 06:27	10°♍12'48	3°21'08		6413 Apr 01 19:43	0°♍	
min. Earth dist.	6412 Apr 30 18:29	7°♍26'23	0.63483 AU	retrograde	6413 Apr 02 22:56	0°♍07'12	
morning rise	6412 May 04 06:56	4°♍06'45			6413 Apr 04 01:54	30°♌♌	
direct	6412 May 11 02:22	1°♍26'59		evening set	6413 Apr 06 04:23	29°♌07'51	
desc. node	6412 May 13 18:01	1°♍48'41		inferior conj	6413 Apr 11 20:23	23°♌30'10	3°29'01
morning max el	6412 May 24 23:36	9°♍27'32	27°44'01	minimum elong	6413 Apr 11 20:18	23°♌30'24	3°28'59
	6412 Jun 09 23:15	0°♎		min. Earth dist.	6413 Apr 13 18:25	21°♌09'43	0.65270 AU
	6412 Jun 27 06:06	0°♏		morning rise	6413 Apr 17 11:38	17°♌15'08	
morning set	6412 Jun 28 15:21	2°♏44'28		direct	6413 Apr 24 02:07	14°♌26'33	
max. Earth dist.	6412 Jul 03 18:13	13°♏16'40	1.32754 AU	desc. node	6413 Apr 30 15:02	16°♌38'32	
asc. node	6412 Jul 05 01:27	16°♏02'41		morning max el	6413 May 07 09:51	22°♌17'46	27°01'25
					6413 May 14 04:06	0°♐	
superior conj	6412 Jul 06 11:01	19°♏02'45	0°14'24		6413 Jun 03 05:08	0°♎	
minimum elong	6412 Jul 06 10:19	18°♏59'01	0°14'12	morning set	6413 Jun 12 02:13	16°♎09'49	
behind sun begin	6412 Jul 06 07:52	18°♏45'51		max. Earth dist.	6413 Jun 16 12:23	24°♎53'56	1.33921 AU
behind sun end	6412 Jul 06 12:46	19°♏12'12			6413 Jun 19 00:09	0°♏	
	6412 Jul 11 12:23	0°♑					
evening rise	6412 Jul 13 10:59	4°♑09'42		superior conj	6413 Jun 20 12:58	3°♏11'52	-0°14'18
	6412 Jul 27 08:26	0°♒		minimum elong	6413 Jun 20 13:44	3°♏15'52	0°14'11
evening max el	6412 Aug 05 09:12	11°♒16'27	23°12'42	behind sun begin	6413 Jun 20 11:04	3°♏01'57	
desc. node	6412 Aug 09 17:15	14°♒51'48		behind sun end	6413 Jun 20 16:23	3°♏29'47	
retrograde	6412 Aug 18 19:45	18°♒00'07		asc. node	6413 Jun 21 22:29	6°♏08'15	
evening set	6412 Aug 22 17:30	17°♒26'43		evening rise	6413 Jun 27 21:27	18°♏45'21	
min. Earth dist.	6412 Aug 29 18:15	14°♒13'34	0.55536 AU		6413 Jul 03 10:59	0°♓	
inferior conj	6412 Aug 31 12:31	13°♒11'57	-5°10'38	evening max el	6413 Jul 18 01:45	21°♓39'48	21°37'12
minimum elong	6412 Aug 31 07:13	13°♒19'42	5°10'00	desc. node	6413 Jul 27 14:18	27°♓28'38	
morning rise	6412 Sep 08 23:12	9°♒20'43		retrograde	6413 Jul 30 11:02	27°♓48'09	
direct	6412 Sep 11 22:12	8°♒59'47		evening set	6413 Aug 02 00:29	27°♓33'15	
morning max el	6412 Sep 22 16:47	14°♒00'54	20°31'07	inferior conj	6413 Aug 11 07:25	23°♓33'04	-4°04'29
asc. node	6412 Oct 01 00:46	24°♒34'50		minimum elong	6413 Aug 10 22:16	23°♓45'53	4°02'03
	6412 Oct 04 05:50	0°♐		min. Earth dist.	6413 Aug 11 03:44	23°♓38'13	0.54782 AU
morning set	6412 Oct 11 13:16	14°♐12'51		morning rise	6413 Aug 19 21:13	19°♓41'46	
				direct	6413 Aug 23 08:01	19°♓15'52	
superior conj	6412 Oct 19 01:54	29°♐43'50	1°40'26	morning max el	6413 Sep 04 16:17	25°♓04'48	22°03'40
minimum elong	6412 Oct 19 03:02	29°♐49'38	1°40'25		6413 Sep 09 04:58	0°♑	
	6412 Oct 19 05:05	0°♑		asc. node	6413 Sep 17 21:48	13°♑12'46	
max. Earth dist.	6412 Oct 24 05:24	9°♑56'51	1.36222 AU	morning set	6413 Sep 25 23:14	29°♑00'58	
evening rise	6412 Oct 28 03:13	17°♑19'35			6413 Sep 26 10:29	0°♒	
	6412 Nov 04 07:56	0°♑					
desc. node	6412 Nov 05 16:25	2°♑15'21		superior conj	6413 Oct 03 02:57	14°♒11'18	1°42'30
	6412 Nov 24 18:35	0°♒		minimum elong	6413 Oct 03 02:42	14°♒10'00	1°42'31
evening max el	6412 Dec 02 18:04	8°♒54'39	26°05'14	max. Earth dist.	6413 Oct 06 19:20	21°♒50'00	1.34500 AU
retrograde	6412 Dec 15 08:48	16°♒04'10			6413 Oct 10 21:44	0°♑	
evening set	6412 Dec 21 13:34	13°♒31'56		evening rise	6413 Oct 11 06:24	0°♑41'54	
min. Earth dist.	6412 Dec 25 19:15	9°♒02'18	0.66803 AU	desc. node	6413 Oct 23 13:28	22°♑29'52	
inferior conj	6412 Dec 27 07:36	7°♒09'32	-0°13'54		6413 Oct 28 08:53	0°♑	
minimum elong	6412 Dec 27 07:58	7°♒08'23	0°13'43	evening max el	6413 Nov 15 06:56	22°♑32'35	26°57'00
transit middle	6412 Dec 27 07:58	7°♒08'23	0°13'43	retrograde	6413 Nov 28 12:12	29°♑51'01	
transit begin	6412 Dec 27 06:28	7°♒13'03		evening set	6413 Dec 05 04:36	27°♑12'47	
transit end	6412 Dec 27 09:28	7°♒03'44		min. Earth dist.	6413 Dec 09 04:00	23°♑18'00	0.65599 AU

inferior conj	6413 Dec 11 04:01	21°♄00'09	-1°15'15	retrograde	6414 Nov 11 09:24	13°♄11'53	
minimum elong	6413 Dec 11 06:11	20°♄53'55	1°14'18	evening set	6414 Nov 18 10:10	10°♄35'34	
asc. node	6413 Dec 14 21:04	17°♄06'56		min. Earth dist.	6414 Nov 22 04:23	7°♄13'50	0.64057 AU
morning rise	6413 Dec 17 08:50	15°♄23'03		inferior conj	6414 Nov 24 16:03	4°♄38'18	-2°20'23
direct	6413 Dec 20 03:05	14°♄41'31		minimum elong	6414 Nov 24 20:16	4°♄27'17	2°18'41
morning max el	6413 Dec 26 14:42	18°♄09'50	18°11'08		6414 Nov 29 21:41	30°♄	
	6414 Jan 04 11:28	0°♄		morning rise	6414 Dec 01 07:55	29°♄15'52	
morning set	6414 Jan 14 07:40	15°♄49'47		asc. node	6414 Dec 01 18:06	29°♄06'19	
desc. node	6414 Jan 19 12:41	24°♄16'14		direct	6414 Dec 03 19:23	28°♄45'05	
	6414 Jan 23 02:24	0°♄			6414 Dec 07 16:19	0°♄	
				morning max el	6414 Dec 10 07:35	2°♄09'24	17°51'47
superior conj	6414 Jan 29 06:50	9°♄48'19	-1°05'07	morning set	6414 Dec 27 03:27	27°♄44'29	
minimum elong	6414 Jan 28 23:05	9°♄17'49	1°04'08		6414 Dec 28 11:16	0°♄	
max. Earth dist.	6414 Jan 31 16:09	13°♄33'32	1.45346 AU	desc. node	6415 Jan 06 09:41	14°♄57'54	
	6414 Feb 11 04:57	0°♄					
evening rise	6414 Feb 14 11:45	5°♄06'35		superior conj	6415 Jan 09 02:33	19°♄22'42	-0°19'07
greatest brilliancy	6414 Feb 26 15:48	23°♄54'04	-0.7m	minimum elong	6415 Jan 09 00:23	19°♄13'52	0°18'44
	6414 Mar 02 18:45	0°♄		max. Earth dist.	6415 Jan 14 10:49	27°♄57'03	1.44688 AU
evening max el	6414 Mar 10 16:01	10°♄01'48	19°25'10		6415 Jan 15 17:53	0°♄	
asc. node	6414 Mar 12 20:18	12°♄00'40		evening rise	6415 Jan 24 23:50	14°♄23'09	
retrograde	6414 Mar 17 19:49	14°♄07'05			6415 Feb 04 07:01	0°♄	
evening set	6414 Mar 21 08:46	12°♄53'49		evening max el	6415 Feb 21 18:49	23°♄37'25	20°24'04
inferior conj	6414 Mar 26 19:41	7°♄00'47	3°21'47	asc. node	6415 Feb 27 17:20	27°♄55'32	
minimum elong	6414 Mar 26 18:25	7°♄04'55	3°21'38	retrograde	6415 Mar 01 18:06	28°♄17'13	
min. Earth dist.	6414 Mar 28 02:35	5°♄19'49	0.66653 AU	evening set	6415 Mar 05 15:47	26°♄49'15	
morning rise	6414 Apr 01 03:44	0°♄44'39		inferior conj	6415 Mar 11 00:08	20°♄43'00	3°02'41
	6414 Apr 02 01:03	30°♄		minimum elong	6415 Mar 10 22:07	20°♄49'54	3°02'19
direct	6414 Apr 07 08:23	27°♄59'36		min. Earth dist.	6415 Mar 11 17:04	19°♄45'18	0.67603 AU
	6414 Apr 13 07:29	0°♄		morning rise	6415 Mar 16 04:13	14°♄28'08	
desc. node	6414 Apr 17 12:01	3°♄13'18		direct	6415 Mar 21 20:00	11°♄56'36	
morning max el	6414 Apr 19 19:43	5°♄26'42	25°53'10	morning max el	6415 Apr 02 04:24	18°♄44'07	24°29'12
	6414 May 08 16:57	0°♄		desc. node	6415 Apr 04 09:00	21°♄03'37	
morning set	6414 May 25 23:24	28°♄52'48			6415 Apr 11 16:33	0°♄	
	6414 May 26 13:58	0°♄			6415 May 01 19:20	0°♄	
max. Earth dist.	6414 May 29 19:06	6°♄03'40	1.35558 AU	morning set	6415 May 08 01:46	10°♄38'47	
				max. Earth dist.	6415 May 11 16:49	17°♄06'40	1.37580 AU
superior conj	6414 Jun 04 07:05	16°♄54'16	-0°44'43				
minimum elong	6414 Jun 04 09:38	17°♄07'09	0°44'16	superior conj	6415 May 18 14:10	0°♄01'12	-1°15'03
asc. node	6414 Jun 08 19:31	26°♄09'08		minimum elong	6415 May 18 18:29	0°♄22'04	1°14'24
	6414 Jun 10 16:14	0°♄			6415 May 18 13:55	0°♄	
evening rise	6414 Jun 12 04:36	3°♄07'02		asc. node	6415 May 26 16:33	16°♄00'56	
	6414 Jun 27 20:16	0°♄		evening rise	6415 May 27 05:58	17°♄07'38	
evening max el	6414 Jun 30 05:51	2°♄36'37	20°15'28		6415 Jun 02 23:18	0°♄	
retrograde	6414 Jul 11 00:07	7°♄53'37		evening max el	6415 Jun 12 22:42	14°♄17'00	19°13'08
evening set	6414 Jul 12 22:34	7°♄44'06		retrograde	6415 Jun 21 24:00	18°♄43'42	
desc. node	6414 Jul 14 11:18	7°♄23'50		evening set	6415 Jun 23 22:40	18°♄32'16	
inferior conj	6414 Jul 22 01:51	3°♄46'08	-2°16'27	desc. node	6415 Jul 01 08:17	15°♄04'14	
minimum elong	6414 Jul 21 19:32	3°♄55'26	2°14'12	inferior conj	6415 Jul 02 09:43	14°♄22'07	-0°19'06
min. Earth dist.	6414 Jul 23 15:05	2°♄51'20	0.54986 AU	minimum elong	6415 Jul 02 08:54	14°♄23'29	0°18'49
	6414 Jul 29 08:10	30°♄		min. Earth dist.	6415 Jul 05 05:07	12°♄30'00	0.56113 AU
morning rise	6414 Jul 30 15:14	29°♄34'10		morning rise	6415 Jul 10 16:08	9°♄35'58	
direct	6414 Aug 03 18:38	28°♄56'59		direct	6415 Jul 15 16:32	8°♄37'58	
	6414 Aug 09 01:55	0°♄		morning max el	6415 Jul 29 20:30	15°♄51'02	25°28'53
morning max el	6414 Aug 17 07:20	5°♄33'05	23°47'37		6415 Aug 10 06:39	0°♄	
	6414 Sep 03 12:48	0°♄		asc. node	6415 Aug 22 15:50	21°♄54'58	
asc. node	6414 Sep 04 18:49	2°♄22'07		morning set	6415 Aug 25 22:17	28°♄42'09	
morning set	6414 Sep 10 10:46	13°♄52'15			6415 Aug 26 12:53	0°♄	
superior conj	6414 Sep 17 09:45	28°♄54'14	1°38'06	superior conj	6415 Sep 01 20:01	13°♄45'39	1°28'02
minimum elong	6414 Sep 17 08:25	28°♄46'58	1°38'01	minimum elong	6415 Sep 01 17:59	13°♄34'27	1°27'47
	6414 Sep 17 21:56	0°♄		max. Earth dist.	6415 Sep 03 00:00	16°♄19'17	1.32310 AU
max. Earth dist.	6414 Sep 19 17:56	3°♄56'01	1.33187 AU	evening rise	6415 Sep 08 21:50	28°♄57'50	
evening rise	6414 Sep 24 21:43	14°♄37'44			6415 Sep 09 09:53	0°♄	
	6414 Oct 03 00:37	0°♄			6415 Sep 26 04:15	0°♄	
desc. node	6414 Oct 10 10:30	12°♄21'51		desc. node	6415 Sep 27 07:31	1°♄42'04	
	6414 Oct 23 06:19	0°♄		evening max el	6415 Oct 11 04:21	18°♄44'19	27°22'58
evening max el	6414 Oct 28 19:02	5°♄53'25	27°24'59	retrograde	6415 Oct 24 23:28	25°♄58'04	

evening set	6415 Nov 01 02:59	23°♍33'38		evening max el	6416 Sep 22 07:49	0°♍50'59	26°47'22
min. Earth dist.	6415 Nov 04 18:33	20°♍39'52	0.62223 AU	retrograde	6416 Oct 06 05:26	7°♍59'53	
inferior conj	6415 Nov 07 16:48	17°♍56'55	-3°26'03	evening set	6416 Oct 13 02:46	5°♍58'45	
minimum elong	6415 Nov 07 22:51	17°♍42'50	3°24'01	min. Earth dist.	6416 Oct 16 21:47	3°♍22'04	0.60186 AU
morning rise	6415 Nov 14 20:36	12°♍52'33		inferior conj	6416 Oct 20 02:46	0°♍45'45	-4°26'24
direct	6415 Nov 17 04:04	12°♍28'53		minimum elong	6416 Oct 20 09:26	0°♍32'09	4°24'46
asc. node	6415 Nov 18 15:07	12°♍38'37			6416 Oct 21 01:23	30°♍♂	
morning max el	6415 Nov 23 23:59	15°♍57'31	17°50'23	morning rise	6416 Oct 27 18:15	26°♂02'57	
	6415 Dec 03 19:46	0°♂		direct	6416 Oct 30 01:02	25°♂43'18	
morning set	6415 Dec 09 21:10	10°♂42'20		asc. node	6416 Nov 04 12:08	27°♂41'57	
				morning max el	6416 Nov 06 12:34	29°♂24'46	18°08'05
superior conj	6415 Dec 20 23:43	0°♂11'46	0°23'33		6416 Nov 07 02:34	0°♍	
minimum elong	6415 Dec 21 01:52	0°♂20'52	0°23'16	morning set	6416 Nov 22 06:28	24°♍23'34	
	6415 Dec 20 20:57	0°♂			6416 Nov 25 06:15	0°♂	
desc. node	6415 Dec 24 06:43	5°♂44'00		superior conj	6416 Dec 01 21:57	12°♂13'01	0°57'29
max. Earth dist.	6415 Dec 28 02:47	12°♂02'14	1.43378 AU	minimum elong	6416 Dec 02 01:39	12°♂29'33	0°57'01
evening rise	6416 Jan 04 13:03	23°♂50'29		max. Earth dist.	6416 Dec 09 13:47	25°♂31'46	1.41559 AU
	6416 Jan 08 12:56	0°♍		desc. node	6416 Dec 10 03:46	26°♂30'25	
	6416 Jan 29 11:11	0°♂			6416 Dec 12 06:15	0°♂	
evening max el	6416 Feb 04 16:12	7°♂14'34	21°34'48	evening rise	6416 Dec 14 17:13	4°♂00'20	
retrograde	6416 Feb 13 15:50	12°♂34'05			6416 Dec 31 20:34	0°♍	
asc. node	6416 Feb 14 14:21	12°♂29'27		evening max el	6417 Jan 17 08:50	20°♍53'38	22°53'00
evening set	6416 Feb 17 23:41	10°♂50'48		retrograde	6417 Jan 27 11:30	26°♍53'38	
inferior conj	6416 Feb 23 07:32	4°♂33'54	2°33'46	asc. node	6417 Jan 31 11:23	25°♍32'16	
minimum elong	6416 Feb 23 05:12	4°♂42'02	2°33'10	evening set	6417 Feb 01 06:52	24°♍54'56	
min. Earth dist.	6416 Feb 23 11:42	4°♂19'24	0.68125 AU	inferior conj	6417 Feb 06 15:53	18°♍30'43	1°56'20
	6416 Feb 26 19:40	30°♍♍		minimum elong	6417 Feb 06 13:41	18°♍38'18	1°55'37
morning rise	6416 Feb 28 10:32	28°♍21'50		min. Earth dist.	6417 Feb 06 08:20	18°♍56'50	0.68234 AU
direct	6416 Mar 04 12:00	26°♍10'13		morning rise	6417 Feb 11 20:25	12°♍22'47	
	6416 Mar 12 07:16	0°♂		direct	6417 Feb 16 07:31	10°♍33'46	
morning max el	6416 Mar 14 13:56	2°♂08'24	22°59'41	morning max el	6417 Feb 25 03:46	15°♍42'15	21°33'42
desc. node	6416 Mar 21 06:02	9°♂48'29		desc. node	6417 Mar 08 03:04	29°♍12'48	
	6416 Apr 04 16:59	0°♂			6417 Mar 08 16:42	0°♂	
morning set	6416 Apr 18 03:28	21°♂12'45			6417 Mar 28 17:54	0°♂	
max. Earth dist.	6416 Apr 22 12:48	28°♂38'20	1.39795 AU	morning set	6417 Mar 29 01:05	0°♂28'26	
	6416 Apr 23 07:42	0°♂		max. Earth dist.	6417 Apr 04 13:20	11°♂01'07	1.41922 AU
superior conj	6416 Apr 30 06:06	12°♂22'30	-1°42'27	superior conj	6417 Apr 12 02:08	23°♂47'07	-2°02'43
minimum elong	6416 Apr 30 11:26	12°♂46'59	1°41'54	minimum elong	6417 Apr 12 06:23	24°♂05'38	2°02'30
evening rise	6416 May 09 22:32	0°♂39'09			6417 Apr 15 14:57	0°♂	
	6416 May 09 14:21	0°♂		evening rise	6417 Apr 23 02:35	13°♂32'37	
asc. node	6416 May 12 13:35	5°♂38'52		asc. node	6417 Apr 29 10:37	24°♂57'44	
evening max el	6416 May 26 01:43	26°♂36'42	18°31'21		6417 May 02 10:16	0°♂	
	6416 May 31 04:16	0°♂		evening max el	6417 May 09 11:22	9°♂27'09	18°09'42
retrograde	6416 Jun 02 18:40	0°♂25'59		retrograde	6417 May 16 07:40	12°♂54'58	
evening set	6416 Jun 04 23:30	0°♂08'15		evening set	6417 May 18 19:37	12°♂27'49	
	6416 Jun 05 10:52	30°♍♂		inferior conj	6417 May 25 16:31	7°♂37'52	2°27'40
inferior conj	6416 Jun 12 14:31	25°♂38'42	1°19'06	minimum elong	6417 May 25 19:47	7°♂30'23	2°26'49
minimum elong	6416 Jun 12 17:09	25°♂33'32	1°18'11	min. Earth dist.	6417 May 29 00:30	4°♂36'25	0.60101 AU
min. Earth dist.	6416 Jun 15 23:27	23°♂01'16	0.57929 AU	morning rise	6417 Jun 01 17:18	1°♂49'17	
desc. node	6416 Jun 17 05:19	22°♂07'39		desc. node	6417 Jun 04 02:21	0°♂36'50	
morning rise	6416 Jun 20 07:30	20°♂17'03			6417 Jun 06 04:00	30°♍♂	
direct	6416 Jun 26 04:30	18°♂49'06		direct	6417 Jun 08 05:26	29°♂47'57	
morning max el	6416 Jul 10 13:48	26°♂27'40	26°51'02		6417 Jun 10 07:48	0°♂	
	6416 Jul 13 22:22	0°♂		morning max el	6417 Jun 22 13:47	7°♂42'42	27°41'07
	6416 Aug 02 15:31	0°♂			6417 Jul 09 11:25	0°♂	
asc. node	6416 Aug 08 12:51	11°♂44'00		morning set	6417 Jul 24 14:30	27°♂55'41	
morning set	6416 Aug 09 08:06	13°♂25'01			6417 Jul 25 14:16	0°♂	
superior conj	6416 Aug 16 07:44	28°♂38'23	1°12'55	asc. node	6417 Jul 26 09:54	1°♂43'52	
minimum elong	6416 Aug 16 05:27	28°♂25'46	1°12'32	max. Earth dist.	6417 Jul 30 20:57	11°♂24'31	1.31864 AU
max. Earth dist.	6416 Aug 16 10:17	28°♂52'29	1.31870 AU	superior conj	6417 Jul 31 19:11	13°♂27'04	0°53'16
	6416 Aug 16 22:29	0°♍		minimum elong	6417 Jul 31 17:08	13°♂15'45	0°52'52
evening rise	6416 Aug 23 03:57	13°♍33'08		evening rise	6417 Aug 07 13:50	28°♂16'57	
	6416 Aug 31 11:21	0°♂			6417 Aug 08 09:15	0°♍	
desc. node	6416 Sep 13 04:34	20°♂16'52			6417 Aug 25 02:03	0°♂	
	6416 Sep 21 10:44	0°♍					

desc. node	6417 Aug 31 01:35	7° Ω 48'06		desc. node	6418 Aug 17 22:37	23° Π 50'40	
evening max el	6417 Sep 04 03:28	12° Ω 07'17	25°39'47	retrograde	6418 Aug 30 11:14	29° Π 36'42	
retrograde	6417 Sep 18 02:05	19° Ω 12'01		evening set	6418 Sep 04 05:57	28° Π 46'11	
evening set	6417 Sep 24 04:39	17° Ω 44'34		min. Earth dist.	6418 Sep 10 03:31	25° Π 50'27	0.56322 AU
min. Earth dist.	6417 Sep 28 15:37	15° Ω 07'44	0.58126 AU	inferior conj	6418 Sep 12 14:07	24° Π 19'42	-5°24'17
inferior conj	6417 Oct 01 18:32	12° Ω 55'33	-5°11'04	minimum elong	6418 Sep 12 12:51	24° Π 21'40	5°24'14
minimum elong	6417 Oct 01 23:04	12° Ω 47'31	5°10'31	morning rise	6418 Sep 20 22:06	20° Π 20'21	
morning rise	6417 Oct 09 19:49	8° Ω 35'57		direct	6418 Sep 23 15:14	20° Π 01'04	
direct	6417 Oct 12 05:45	8° Ω 17'42		morning max el	6418 Oct 03 12:33	24° Π 39'00	19°46'37
morning max el	6417 Oct 20 17:51	12° Ω 21'51	18°46'22		6418 Oct 08 04:16	0° Ω	
asc. node	6417 Oct 22 09:11	14° Ω 04'20		asc. node	6418 Oct 09 06:14	1° Ω 30'38	
	6417 Nov 01 15:20	0° Π		morning set	6418 Oct 21 06:09	23° Ω 06'03	
morning set	6417 Nov 06 02:37	8° Π 34'34			6418 Oct 24 15:39	0° Π	
superior conj	6417 Nov 14 16:30	25° Π 12'44	1°21'23	superior conj	6418 Oct 29 02:12	8° Π 56'20	1°35'53
minimum elong	6417 Nov 14 19:47	25° Π 28'14	1°21'05	minimum elong	6418 Oct 29 04:12	9° Π 06'14	1°35'47
	6417 Nov 17 05:57	0° Σ		max. Earth dist.	6418 Nov 04 01:04	20° Π 25'23	1.37350 AU
max. Earth dist.	6417 Nov 21 19:52	8° Σ 16'31	1.39463 AU	evening rise	6418 Nov 07 19:21	27° Π 18'06	
evening rise	6417 Nov 25 19:18	15° Σ 09'25			6418 Nov 09 07:53	0° Σ	
desc. node	6417 Nov 27 00:48	17° Σ 13'42		desc. node	6418 Nov 13 21:50	7° Σ 50'02	
	6417 Dec 04 22:55	0° Ξ			6418 Nov 28 09:31	0° Ξ	
	6417 Dec 26 16:23	0° \approx		evening max el	6418 Dec 13 11:24	18° Ξ 21'30	25°27'40
evening max el	6417 Dec 30 22:32	4° \approx 35'49	24°12'54	retrograde	6418 Dec 25 15:36	25° Ξ 21'47	
retrograde	6418 Jan 11 03:46	11° \approx 11'04		evening set	6418 Dec 31 12:44	22° Ξ 55'43	
evening set	6418 Jan 16 11:46	8° \approx 57'44		min. Earth dist.	6419 Jan 04 22:20	18° Ξ 05'42	0.67322 AU
asc. node	6418 Jan 18 08:26	7° \approx 07'17		asc. node	6419 Jan 05 05:28	17° Ξ 42'53	
min. Earth dist.	6418 Jan 21 04:38	3° \approx 33'21	0.67959 AU	inferior conj	6419 Jan 06 04:06	16° Ξ 29'58	0°19'02
inferior conj	6418 Jan 21 23:20	2° \approx 30'19	1°11'10	minimum elong	6419 Jan 06 03:37	16° Ξ 31'31	0°18'51
minimum elong	6418 Jan 21 21:46	2° \approx 35'38	1°10'35	morning rise	6419 Jan 11 18:50	10° Ξ 35'20	
	6418 Jan 23 21:06	30° \Re Ξ		direct	6419 Jan 15 04:25	9° Ξ 28'49	
morning rise	6418 Jan 27 07:50	26° Ξ 28'00		morning max el	6419 Jan 22 05:27	13° Ξ 23'22	19°15'57
direct	6418 Jan 31 05:25	25° Ξ 01'23			6419 Feb 03 18:06	0° \approx	
morning max el	6418 Feb 08 00:39	29° Ξ 27'21	20°17'47	greatest brilliancy	6419 Feb 04 13:16	1° \approx 11'52	-0.7m
	6418 Feb 08 13:30	0° \approx		desc. node	6419 Feb 09 21:06	9° \approx 18'37	
desc. node	6418 Feb 23 00:05	19° \approx 05'20		morning set	6419 Feb 15 00:53	17° \approx 16'03	
	6418 Mar 02 07:11	0° H			6419 Feb 23 05:26	0° H	
morning set	6418 Mar 08 00:56	8° H 47'37		max. Earth dist.	6419 Feb 28 11:03	8° H 12'47	1.44900 AU
max. Earth dist.	6418 Mar 17 20:49	24° H 15'43	1.43694 AU	superior conj	6419 Mar 03 17:15	13° H 22'09	-1°59'38
	6418 Mar 21 09:58	0° Υ		minimum elong	6419 Mar 03 10:22	12° H 54'50	1°59'14
superior conj	6418 Mar 23 21:52	4° Υ 05'45	-2°10'18		6419 Mar 14 00:41	0° Υ	
minimum elong	6418 Mar 23 21:36	4° Υ 04'37	2°10'18	evening rise	6419 Mar 18 03:13	6° Υ 45'46	
evening rise	6418 Apr 05 13:34	25° Υ 37'15			6419 Apr 01 15:06	0° B	
	6418 Apr 08 01:57	0° B		asc. node	6419 Apr 03 04:42	2° B 08'38	
asc. node	6418 Apr 16 07:40	13° B 50'21		evening max el	6419 Apr 06 12:54	6° B 03'29	18°23'48
evening max el	6418 Apr 23 00:06	22° B 38'33	18°07'26	retrograde	6419 Apr 12 23:34	9° B 32'21	
retrograde	6418 Apr 29 10:44	26° B 00'01		evening set	6419 Apr 16 01:07	8° B 40'42	
evening set	6418 May 02 05:34	25° B 21'16		inferior conj	6419 Apr 21 21:27	3° B 13'00	3°26'36
inferior conj	6418 May 08 12:11	20° B 11'51	3°08'22	minimum elong	6419 Apr 21 22:12	3° B 10'48	3°26'31
minimum elong	6418 May 08 14:27	20° B 05'57	3°07'59	min. Earth dist.	6419 Apr 24 04:30	0° B 33'38	0.64298 AU
min. Earth dist.	6418 May 11 09:56	17° B 10'57	0.62307 AU		6419 Apr 24 16:35	30° \Re Υ	
morning rise	6418 May 14 21:40	14° B 07'11		morning rise	6419 Apr 27 18:24	27° Υ 00'25	
direct	6418 May 21 16:53	11° B 37'56		direct	6419 May 04 12:41	24° Υ 15'01	
desc. node	6418 May 21 23:23	11° B 38'10		desc. node	6419 May 08 20:25	25° Υ 12'54	
morning max el	6418 Jun 04 19:29	19° B 39'39	27°53'30		6419 May 15 20:52	0° B	
	6418 Jun 13 14:49	0° II		morning max el	6419 May 18 04:39	2° B 13'01	27°29'25
	6418 Jul 02 09:55	0° E			6419 Jun 07 21:05	0° II	
morning set	6418 Jul 08 15:27	12° E 07'13		morning set	6419 Jun 22 08:22	25° II 52'10	
asc. node	6418 Jul 13 06:56	21° E 49'16			6419 Jun 24 10:07	0° E	
max. Earth dist.	6418 Jul 14 04:03	23° E 42'37	1.32297 AU	max. Earth dist.	6419 Jun 27 03:47	5° E 36'20	1.33196 AU
superior conj	6418 Jul 16 04:32	28° E 05'22	0°29'36	superior conj	6419 Jun 30 09:50	12° E 27'26	0°02'32
minimum elong	6418 Jul 16 03:12	27° E 58'08	0°29'18	minimum elong	6419 Jun 30 09:43	12° E 26'46	0°02'28
	6418 Jul 17 01:32	0° Ω		behind sun begin	6419 Jun 30 04:20	11° E 58'05	
evening rise	6418 Jul 23 01:26	13° Ω 02'25		behind sun end	6419 Jun 30 15:06	12° E 55'30	
	6418 Jul 31 13:35	0° Π		asc. node	6419 Jun 30 03:58	11° E 56'07	
evening max el	6418 Aug 16 16:44	22° Π 41'32	24°09'17	evening rise	6419 Jul 07 12:53	27° E 43'47	

	6419 Jul 08 14:47	0°♎		evening rise	6420 Jun 20 22:17	12°♊15'15	
	6419 Jul 26 10:37	0°♏			6420 Jun 30 03:05	0°♎	
evening max el	6419 Jul 29 05:46	2°♏59'38	22°30'58	evening max el	6420 Jul 10 02:47	13°♎35'35	21°00'13
desc. node	6419 Aug 04 19:39	7°♏52'34		retrograde	6420 Jul 21 20:10	19°♎22'53	
retrograde	6419 Aug 11 07:32	9°♏30'04		desc. node	6420 Jul 21 16:40	19°♎22'50	
evening set	6419 Aug 14 13:56	9°♏06'38		evening set	6420 Jul 24 01:14	19°♎11'20	
min. Earth dist.	6419 Aug 22 12:56	5°♏37'29	0.55109 AU	inferior conj	6420 Aug 02 08:36	15°♎13'56	-3°22'05
inferior conj	6419 Aug 23 15:40	4°♏59'36	-4°49'04	minimum elong	6420 Aug 01 23:56	15°♎26'10	3°19'23
minimum elong	6419 Aug 23 07:58	5°♏10'32	4°47'38	min. Earth dist.	6420 Aug 02 22:47	14°♎53'55	0.54755 AU
morning rise	6419 Sep 01 03:52	1°♏10'27		morning rise	6420 Aug 10 22:55	11°♎16'38	
direct	6419 Sep 04 07:40	0°♏47'42		direct	6420 Aug 14 16:18	10°♎46'54	
morning max el	6419 Sep 15 18:39	6°♏08'55	21°08'25	morning max el	6420 Aug 27 13:49	16°♎55'48	22°47'10
asc. node	6419 Sep 26 03:17	19°♏46'12			6420 Sep 06 22:58	0°♏	
	6419 Oct 01 17:31	0°♏		asc. node	6420 Sep 12 00:18	8°♏39'15	
morning set	6419 Oct 05 14:23	7°♏50'05		morning set	6420 Sep 19 01:16	22°♏41'02	
					6420 Sep 22 11:35	0°♏	
superior conj	6419 Oct 12 22:38	23°♏10'40	1°42'09				
minimum elong	6419 Oct 12 23:09	23°♏13'24	1°42'11	superior conj	6420 Sep 26 02:29	7°♏46'13	1°41'23
	6419 Oct 16 06:58	0°♏		minimum elong	6420 Sep 26 01:43	7°♏42'11	1°41'21
max. Earth dist.	6419 Oct 17 10:54	2°♏19'08	1.35445 AU	max. Earth dist.	6420 Sep 29 04:53	14°♏18'37	1.33894 AU
evening rise	6419 Oct 21 13:49	10°♏16'45		evening rise	6420 Oct 03 22:39	23°♏55'02	
desc. node	6419 Oct 31 18:50	28°♏14'11			6420 Oct 07 02:32	0°♏	
	6419 Nov 01 20:50	0°♏		desc. node	6420 Oct 17 15:51	18°♏20'26	
	6419 Nov 23 22:48	0°♏			6420 Oct 25 10:53	0°♏	
evening max el	6419 Nov 26 00:26	2°♏05'03	26°29'53	evening max el	6420 Nov 07 13:14	15°♏37'27	27°12'08
retrograde	6419 Dec 08 22:00	9°♏19'00		retrograde	6420 Nov 20 22:35	22°♏55'55	
evening set	6419 Dec 15 07:57	6°♏43'48		evening set	6420 Nov 27 19:14	20°♏17'23	
min. Earth dist.	6419 Dec 19 11:00	2°♏28'51	0.66331 AU	min. Earth dist.	6420 Dec 01 16:18	16°♏37'11	0.64991 AU
inferior conj	6419 Dec 21 04:09	0°♏25'00	-0°39'20	inferior conj	6420 Dec 03 21:19	14°♏10'56	-1°42'34
minimum elong	6419 Dec 21 05:15	0°♏21'44	0°38'49	minimum elong	6420 Dec 04 00:20	14°♏02'33	1°41'16
	6419 Dec 21 12:28	30°♏♏		asc. node	6420 Dec 08 23:33	9°♏23'27	
asc. node	6419 Dec 23 02:31	28°♏09'32		morning rise	6420 Dec 10 06:40	8°♏39'44	
morning rise	6419 Dec 27 03:16	24°♏40'36		direct	6420 Dec 12 21:50	8°♏03'07	
direct	6419 Dec 30 02:37	23°♏50'55		morning max el	6420 Dec 19 08:40	11°♏28'16	18°00'47
morning max el	6420 Jan 05 16:54	27°♏25'30	18°30'01		6421 Jan 01 06:16	0°♏	
	6420 Jan 08 00:52	0°♏		morning set	6421 Jan 06 03:31	8°♏05'33	
morning set	6420 Jan 25 23:22	26°♏56'29		desc. node	6421 Jan 13 15:05	20°♏23'48	
desc. node	6420 Jan 27 18:06	29°♏46'12			6421 Jan 19 14:17	0°♏	
	6420 Jan 27 21:34	0°♏					
superior conj	6420 Feb 10 21:40	22°♏03'47	-1°29'16	superior conj	6421 Jan 20 06:32	1°♏04'40	-0°45'44
minimum elong	6420 Feb 10 12:11	21°♏26'40	1°28'15	minimum elong	6421 Jan 20 01:02	0°♏42'47	0°44'56
max. Earth dist.	6420 Feb 11 05:40	22°♏35'09	1.45401 AU	max. Earth dist.	6421 Jan 24 01:27	7°♏04'13	1.45154 AU
	6420 Feb 15 23:12	0°♏		evening rise	6421 Feb 05 11:55	26°♏25'20	
evening rise	6420 Feb 26 17:23	16°♏57'09			6421 Feb 07 19:39	0°♏	
	6420 Mar 05 23:15	0°♏		greatest brilliancy	6421 Feb 19 09:32	17°♏34'39	-0.7m
greatest brilliancy	6420 Mar 07 00:55	1°♏40'35	-0.8m		6421 Feb 28 09:35	0°♏	
evening max el	6420 Mar 19 23:09	19°♏35'16	18°58'01	evening max el	6421 Mar 03 04:55	3°♏09'33	19°48'33
asc. node	6420 Mar 20 01:44	19°♏41'48		asc. node	6421 Mar 06 22:46	6°♏16'42	
retrograde	6420 Mar 26 18:24	23°♏24'00		retrograde	6421 Mar 10 16:13	7°♏28'42	
evening set	6420 Mar 30 03:02	22°♏18'38		evening set	6421 Mar 14 08:47	6°♏09'04	
inferior conj	6420 Apr 04 16:31	16°♏34'13	3°27'32	inferior conj	6421 Mar 19 18:17	0°♏09'52	3°14'59
minimum elong	6420 Apr 04 15:53	16°♏36'11	3°27'29	minimum elong	6421 Mar 19 16:39	0°♏15'21	3°14'46
min. Earth dist.	6420 Apr 06 07:57	14°♏30'00	0.65914 AU		6421 Mar 19 21:14	30°♏♏	
morning rise	6420 Apr 10 04:20	10°♏18'38		min. Earth dist.	6421 Mar 20 18:59	28°♏47'26	0.67104 AU
direct	6420 Apr 16 15:11	7°♏30'18		morning rise	6421 Mar 25 00:17	23°♏54'07	
desc. node	6420 Apr 24 17:25	10°♏51'24		direct	6421 Mar 30 23:36	21°♏14'09	
morning max el	6420 Apr 29 14:49	15°♏12'15	26°35'01	desc. node	6421 Apr 11 14:25	28°♏01'11	
	6420 May 11 17:46	0°♏		morning max el	6421 Apr 12 00:17	28°♏25'56	25°18'56
	6420 May 30 15:59	0°♏			6421 Apr 13 12:17	0°♏	
morning set	6420 Jun 04 14:00	9°♏01'27		morning set	6421 May 05 11:50	0°♏	
max. Earth dist.	6420 Jun 08 17:20	17°♏02'11	1.34567 AU	max. Earth dist.	6421 May 18 03:52	21°♏22'03	
					6421 May 21 20:06	28°♏07'28	1.36378 AU
superior conj	6420 Jun 13 08:52	26°♏26'57	-0°27'03		6421 May 22 20:00	0°♏	
minimum elong	6420 Jun 13 10:22	26°♏34'41	0°26'47	superior conj	6421 May 27 22:43	9°♏55'16	-0°57'42
	6420 Jun 15 01:54	0°♏		minimum elong	6421 May 28 02:03	10°♏11'49	0°57'10
asc. node	6420 Jun 16 00:59	2°♏00'42		asc. node	6421 Jun 02 22:00	21°♏58'15	

evening rise	6421 Jun 05 03:19	26° Π 29'12			6422 May 14 18:53	0° Π	
	6421 Jun 06 21:14	0° \mathfrak{D}		evening rise	6422 May 20 01:23	10° Π 18'29	
evening max el	6421 Jun 22 12:21	24° \mathfrak{D} 50'24	19°46'24	asc. node	6422 May 20 19:02	11° Π 44'45	
retrograde	6421 Jul 02 12:51	29° \mathfrak{D} 45'37			6422 May 30 23:49	0° \mathfrak{D}	
evening set	6421 Jul 04 10:01	29° \mathfrak{D} 35'57		evening max el	6422 Jun 05 09:57	6° \mathfrak{D} 48'29	18°52'55
desc. node	6421 Jul 08 13:42	28° \mathfrak{D} 14'01		retrograde	6422 Jun 13 20:24	10° \mathfrak{D} 57'32	
inferior conj	6421 Jul 13 07:22	25° \mathfrak{D} 33'48	-1°25'48	evening set	6422 Jun 15 21:09	10° \mathfrak{D} 44'01	
minimum elong	6421 Jul 13 03:25	25° \mathfrak{D} 39'55	1°24'21	inferior conj	6422 Jun 23 23:46	6° \mathfrak{D} 26'19	0°25'49
min. Earth dist.	6421 Jul 15 11:02	24° \mathfrak{D} 14'06	0.55361 AU	minimum elong	6422 Jun 24 00:47	6° \mathfrak{D} 24'30	0°25'25
morning rise	6421 Jul 21 18:43	21° \mathfrak{D} 08'16		desc. node	6422 Jun 25 10:42	5° \mathfrak{D} 23'31	
direct	6421 Jul 26 06:24	20° \mathfrak{D} 23'50		min. Earth dist.	6422 Jun 27 03:01	4° \mathfrak{D} 12'34	0.56816 AU
morning max el	6421 Aug 09 03:27	27° \mathfrak{D} 16'56	24°31'59	morning rise	6422 Jul 02 01:01	1° \mathfrak{D} 24'04	
	6421 Aug 11 19:22	0° Ω		direct	6422 Jul 07 10:29	0° \mathfrak{D} 14'04	
asc. node	6421 Aug 29 21:19	27° Ω 59'31		morning max el	6422 Jul 21 17:58	7° \mathfrak{D} 40'12	26°06'56
	6421 Aug 30 21:33	0° \mathfrak{P}			6422 Aug 07 08:49	0° Ω	
morning set	6421 Sep 03 13:01	7° \mathfrak{P} 32'37		asc. node	6422 Aug 16 18:20	17° Ω 39'48	
				morning set	6422 Aug 19 00:01	22° Ω 20'06	
superior conj	6421 Sep 10 11:02	22° \mathfrak{P} 33'47	1°34'29		6422 Aug 22 13:09	0° \mathfrak{P}	
minimum elong	6421 Sep 10 09:21	22° \mathfrak{P} 24'34	1°34'20	superior conj	6422 Aug 25 22:11	7° \mathfrak{P} 26'41	1°22'13
max. Earth dist.	6421 Sep 12 06:59	26° \mathfrak{P} 32'19	1.32762 AU	minimum elong	6422 Aug 25 20:00	7° \mathfrak{P} 14'34	1°21'54
	6421 Sep 13 21:41	0° \mathfrak{L}		max. Earth dist.	6422 Aug 26 15:03	8° \mathfrak{P} 59'43	1.32070 AU
evening rise	6421 Sep 17 18:06	8° \mathfrak{L} 02'05		evening rise	6422 Sep 01 21:05	22° \mathfrak{P} 29'29	
	6421 Sep 29 13:18	0° \mathfrak{M}			6422 Sep 05 13:36	0° \mathfrak{L}	
desc. node	6421 Oct 04 12:54	8° \mathfrak{M} 00'18		desc. node	6422 Sep 21 09:56	27° \mathfrak{L} 03'00	
evening max el	6421 Oct 21 00:14	28° \mathfrak{M} 46'17	27°27'54		6422 Sep 23 12:47	0° \mathfrak{M}	
	6421 Oct 22 08:27	0° \mathfrak{X}		evening max el	6422 Oct 03 07:15	11° \mathfrak{M} 19'14	27°11'53
retrograde	6421 Nov 03 16:52	6° \mathfrak{X} 03'25		retrograde	6422 Oct 17 04:02	18° \mathfrak{M} 31'38	
evening set	6421 Nov 10 19:50	3° \mathfrak{X} 30'25		evening set	6422 Oct 24 06:03	16° \mathfrak{M} 15'38	
min. Earth dist.	6421 Nov 14 12:20	0° \mathfrak{X} 21'49	0.63313 AU	min. Earth dist.	6422 Oct 27 21:57	13° \mathfrak{M} 30'44	0.61370 AU
	6421 Nov 14 21:19	30° $\mathfrak{R}\mathfrak{M}$		inferior conj	6422 Oct 30 23:48	10° \mathfrak{M} 48'24	-3°52'50
inferior conj	6421 Nov 17 04:54	27° \mathfrak{M} 41'24	-2°48'27	minimum elong	6422 Oct 31 06:20	10° \mathfrak{M} 33'58	3°50'52
minimum elong	6421 Nov 17 09:58	27° \mathfrak{M} 28'47	2°46'33	morning rise	6422 Nov 07 08:44	5° \mathfrak{M} 52'59	
morning rise	6421 Nov 24 01:50	22° \mathfrak{M} 26'34		direct	6422 Nov 09 15:18	5° \mathfrak{M} 31'32	
asc. node	6421 Nov 25 20:35	22° \mathfrak{M} 01'06		asc. node	6422 Nov 12 17:38	6° \mathfrak{M} 12'57	
direct	6421 Nov 26 11:13	21° \mathfrak{M} 59'18		morning max el	6422 Nov 16 17:04	9° \mathfrak{M} 04'51	17°55'28
morning max el	6421 Dec 03 01:49	25° \mathfrak{M} 24'15	17°48'59		6422 Nov 30 08:35	0° \mathfrak{X}	
	6421 Dec 06 21:57	0° \mathfrak{X}		morning set	6422 Dec 02 10:28	3° \mathfrak{X} 47'25	
morning set	6421 Dec 19 09:25	20° \mathfrak{X} 29'17					
	6421 Dec 24 21:24	0° \mathfrak{Z}		superior conj	6422 Dec 12 20:55	22° \mathfrak{X} 31'00	0°39'09
superior conj	6421 Dec 31 12:38	11° \mathfrak{Z} 09'57	-0°00'09	minimum elong	6422 Dec 13 00:01	22° \mathfrak{X} 44'31	0°38'44
minimum elong	6421 Dec 31 12:37	11° \mathfrak{Z} 09'52	0°00'07		6422 Dec 17 05:51	0° \mathfrak{Z}	
behind sun begin	6421 Dec 31 03:15	10° \mathfrak{Z} 31'08		desc. node	6422 Dec 18 09:09	1° \mathfrak{Z} 54'25	
behind sun end	6421 Dec 31 21:59	11° \mathfrak{Z} 48'32		max. Earth dist.	6422 Dec 20 08:30	5° \mathfrak{Z} 10'38	1.42649 AU
desc. node	6421 Dec 31 12:07	11° \mathfrak{Z} 07'50		evening rise	6422 Dec 26 16:40	15° \mathfrak{Z} 23'23	
max. Earth dist.	6422 Jan 06 19:05	21° \mathfrak{Z} 21'16	1.44197 AU		6423 Jan 05 05:21	0° \mathfrak{A}	
	6422 Jan 12 06:25	0° \mathfrak{A}			6423 Jan 27 15:31	0° \mathfrak{H}	
evening rise	6422 Jan 15 22:28	5° \mathfrak{A} 41'16		evening max el	6423 Jan 28 00:26	0° \mathfrak{H} 22'47	22°07'34
	6422 Feb 01 04:58	0° \mathfrak{H}		retrograde	6423 Feb 06 11:39	6° \mathfrak{H} 00'08	
evening max el	6422 Feb 14 05:15	16° \mathfrak{H} 45'12	20°52'59	asc. node	6423 Feb 08 16:51	5° \mathfrak{H} 34'30	
asc. node	6422 Feb 21 19:48	21° \mathfrak{H} 38'54		evening set	6423 Feb 11 00:08	4° \mathfrak{H} 10'31	
retrograde	6422 Feb 22 14:37	21° \mathfrak{H} 42'08			6423 Feb 14 18:25	30° $\mathfrak{R}\mathfrak{A}$	
evening set	6422 Feb 26 16:23	20° \mathfrak{H} 07'44		inferior conj	6423 Feb 16 08:18	27° \mathfrak{A} 50'04	2°18'54
inferior conj	6422 Mar 04 00:16	13° \mathfrak{H} 56'21	2°51'33	minimum elong	6423 Feb 16 05:58	27° \mathfrak{A} 58'11	2°18'13
minimum elong	6422 Mar 03 22:03	14° \mathfrak{H} 03'59	2°51'05	min. Earth dist.	6423 Feb 16 07:28	27° \mathfrak{A} 52'58	0.68214 AU
min. Earth dist.	6422 Mar 04 11:36	13° \mathfrak{H} 17'15	0.67865 AU	morning rise	6423 Feb 21 11:37	21° \mathfrak{A} 39'20	
morning rise	6422 Mar 09 03:31	7° \mathfrak{H} 42'18		direct	6423 Feb 26 06:56	19° \mathfrak{A} 36'59	
direct	6422 Mar 14 13:10	5° \mathfrak{H} 18'46		morning max el	6423 Mar 07 19:54	25° \mathfrak{A} 13'59	22°22'10
morning max el	6422 Mar 25 09:09	11° \mathfrak{H} 46'50	23°51'19		6423 Mar 12 02:59	0° \mathfrak{H}	
desc. node	6422 Mar 29 11:25	16° \mathfrak{H} 16'57		desc. node	6423 Mar 16 08:27	5° \mathfrak{H} 19'56	
	6422 Apr 08 22:49	0° \mathfrak{Y}			6423 Apr 02 10:34	0° \mathfrak{Y}	
	6422 Apr 28 06:58	0° \mathfrak{B}		morning set	6423 Apr 10 10:15	12° \mathfrak{Y} 39'14	
morning set	6422 Apr 29 20:30	2° \mathfrak{B} 39'30		max. Earth dist.	6423 Apr 15 12:35	21° \mathfrak{Y} 06'31	1.40723 AU
max. Earth dist.	6422 May 03 15:57	9° \mathfrak{B} 17'49	1.38505 AU		6423 Apr 20 16:24	0° \mathfrak{B}	
superior conj	6422 May 10 23:53	22° \mathfrak{B} 43'52	-1°27'14	superior conj	6423 Apr 23 07:55	4° \mathfrak{B} 41'53	-1°52'15
minimum elong	6422 May 11 04:47	23° \mathfrak{B} 07'05	1°26'36	minimum elong	6423 Apr 23 13:08	5° \mathfrak{B} 05'20	1°51'48

evening rise	6423 May 03 13:03	23°♄34'05		evening rise	6424 Apr 15 10:20	6°♄07'08	
	6423 May 06 23:47	0°♄		asc. node	6424 Apr 23 13:06	20°♄22'54	
asc. node	6423 May 07 16:04	1°♄14'52			6424 Apr 30 00:27	0°♄	
evening max el	6423 May 19 16:17	19°♄22'19	18°19'50	evening max el	6424 May 02 03:38	2°♄22'13	18°06'26
retrograde	6423 May 26 22:54	23°♄00'10		retrograde	6424 May 08 18:21	5°♄45'16	
evening set	6423 May 29 06:51	22°♄38'42		evening set	6424 May 11 09:25	5°♄13'13	
inferior conj	6423 Jun 05 13:47	18°♄00'45	1°51'51	inferior conj	6424 May 17 23:42	0°♄14'39	2°48'05
minimum elong	6423 Jun 05 16:58	17°♄54'04	1°50'51	minimum elong	6424 May 18 02:39	0°♄07'28	2°47'24
min. Earth dist.	6423 Jun 08 24:00	15°♄09'59	0.58829 AU		6424 May 18 05:43	30°♄	
desc. node	6423 Jun 12 07:43	12°♄49'41		min. Earth dist.	6424 May 21 04:05	27°♄10'48	0.61054 AU
morning rise	6423 Jun 12 23:58	12°♄26'32		morning rise	6424 May 24 17:44	24°♄18'19	
direct	6423 Jun 19 04:33	10°♄43'55		desc. node	6424 May 29 04:46	22°♄18'46	
morning max el	6423 Jul 03 13:46	18°♄30'35	27°16'43	direct	6424 May 31 10:02	22°♄04'10	
	6423 Jul 13 05:21	0°♄		morning max el	6424 Jun 14 16:10	0°♄02'08	27°51'13
	6423 Jul 30 22:59	0°♄			6424 Jun 14 15:19	0°♄	
morning set	6423 Aug 03 08:38	6°♄58'31			6424 Jul 06 06:33	0°♄	
asc. node	6423 Aug 03 15:23	7°♄34'02		morning set	6424 Jul 17 12:57	21°♄21'13	
				asc. node	6424 Jul 20 12:24	27°♄36'17	
superior conj	6423 Aug 10 10:03	22°♄18'47	1°05'07		6424 Jul 21 15:11	0°♄	
minimum elong	6423 Aug 10 07:48	22°♄06'23	1°04'44	max. Earth dist.	6424 Jul 23 11:37	4°♄01'24	1.31991 AU
max. Earth dist.	6423 Aug 10 01:54	21°♄33'42	1.31812 AU				
	6423 Aug 13 21:35	0°♄		superior conj	6424 Jul 24 20:47	7°♄03'15	0°43'42
evening rise	6423 Aug 17 05:06	7°♄09'43		minimum elong	6424 Jul 24 18:59	6°♄53'20	0°43'19
	6423 Aug 29 02:07	0°♄		evening rise	6424 Jul 31 15:55	21°♄54'48	
desc. node	6423 Sep 08 06:58	15°♄13'47			6424 Aug 04 13:12	0°♄	
evening max el	6423 Sep 15 07:51	23°♄06'17	26°22'18		6424 Aug 23 04:54	0°♄	
	6423 Sep 26 22:49	0°♄		desc. node	6424 Aug 25 04:00	2°♄10'54	
retrograde	6423 Sep 29 06:24	0°♄13'07		evening max el	6424 Aug 27 00:31	4°♄03'08	25°03'26
	6423 Oct 01 13:29	30°♄		retrograde	6424 Sep 09 21:58	11°♄04'08	
evening set	6423 Oct 05 21:12	28°♄25'40		evening set	6424 Sep 15 12:36	9°♄52'43	
min. Earth dist.	6423 Oct 09 21:15	25°♄50'57	0.59299 AU	min. Earth dist.	6424 Sep 20 11:56	7°♄10'13	0.57313 AU
inferior conj	6423 Oct 13 02:33	23°♄22'53	-4°48'05	inferior conj	6424 Sep 23 09:52	5°♄13'59	-5°21'36
minimum elong	6423 Oct 13 08:45	23°♄10'57	4°46'52	minimum elong	6424 Sep 23 12:21	5°♄09'50	5°21'27
morning rise	6423 Oct 20 22:29	18°♄49'32		morning rise	6424 Oct 01 14:22	1°♄03'34	
direct	6423 Oct 23 06:02	18°♄30'48		direct	6424 Oct 04 03:07	0°♄45'00	
asc. node	6423 Oct 30 14:41	21°♄52'09		morning max el	6424 Oct 13 04:04	5°♄01'52	19°09'11
morning max el	6423 Oct 31 03:00	22°♄21'01	18°21'38	asc. node	6424 Oct 16 11:44	8°♄43'24	
	6423 Nov 06 02:55	0°♄			6424 Oct 28 23:29	0°♄	
morning set	6423 Nov 16 01:00	17°♄43'34		morning set	6424 Oct 30 00:41	2°♄04'36	
	6423 Nov 22 11:58	0°♄					
superior conj	6423 Nov 25 04:31	4°♄59'22	1°08'49	superior conj	6424 Nov 07 06:06	18°♄19'25	1°28'36
minimum elong	6423 Nov 25 08:12	5°♄16'16	1°08'24	minimum elong	6424 Nov 07 08:54	18°♄32'53	1°28'23
max. Earth dist.	6423 Dec 02 17:23	18°♄22'26	1.40694 AU		6424 Nov 13 11:29	0°♄	
desc. node	6423 Dec 05 06:12	22°♄40'15		max. Earth dist.	6424 Nov 13 23:00	0°♄52'12	1.38562 AU
evening rise	6423 Dec 07 05:59	25°♄58'44		evening rise	6424 Nov 17 17:42	7°♄33'44	
	6423 Dec 09 17:13	0°♄		desc. node	6424 Nov 21 03:13	13°♄20'54	
	6423 Dec 29 23:09	0°♄			6424 Dec 01 15:39	0°♄	
evening max el	6424 Jan 10 15:47	14°♄03'57	23°27'10	evening max el	6424 Dec 23 04:59	27°♄47'57	24°45'39
retrograde	6424 Jan 21 05:54	20°♄19'14			6424 Dec 25 13:56	0°♄	
evening set	6424 Jan 26 06:31	18°♄14'22		retrograde	6425 Jan 03 20:14	4°♄34'31	
asc. node	6424 Jan 26 13:53	17°♄58'21		evening set	6425 Jan 09 09:57	2°♄15'19	
min. Earth dist.	6424 Jan 31 04:14	12°♄30'32	0.68172 AU		6425 Jan 11 15:45	30°♄	
inferior conj	6424 Jan 31 16:30	11°♄48'28	1°38'05	asc. node	6425 Jan 12 10:57	29°♄02'56	
minimum elong	6424 Jan 31 14:30	11°♄55'18	1°37'23	min. Earth dist.	6425 Jan 13 23:37	27°♄05'42	0.67743 AU
morning rise	6424 Feb 05 22:26	5°♄42'41		inferior conj	6425 Jan 14 23:02	25°♄48'12	0°49'52
direct	6424 Feb 10 03:45	4°♄03'07		minimum elong	6425 Jan 14 21:51	25°♄52'05	0°49'25
morning max el	6424 Feb 18 12:22	8°♄51'51	20°59'46	morning rise	6425 Jan 20 09:56	19°♄49'07	
desc. node	6424 Mar 02 05:30	24°♄57'16		direct	6425 Jan 24 02:16	18°♄31'22	
	6424 Mar 05 17:33	0°♄		morning max el	6425 Jan 31 12:42	22°♄42'01	19°49'35
morning set	6424 Mar 19 20:44	21°♄24'20			6425 Feb 06 16:13	0°♄	
	6424 Mar 25 06:43	0°♄		greatest brilliancy	6425 Feb 13 13:09	9°♄42'15	-0.6m
max. Earth dist.	6424 Mar 27 16:07	3°♄52'20	1.42742 AU	desc. node	6425 Feb 17 02:31	14°♄59'20	
				morning set	6425 Feb 26 17:28	29°♄38'30	
superior conj	6424 Apr 03 17:59	15°♄38'50	-2°07'51		6425 Feb 26 23:03	0°♄	
minimum elong	6424 Apr 03 20:47	15°♄50'40	2°07'46	max. Earth dist.	6425 Mar 10 03:18	17°♄29'07	1.44291 AU
	6424 Apr 12 00:03	0°♄		superior conj	6425 Mar 15 02:55	25°♄29'12	-2°08'13

































































































































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	6425 Mar 17 21:22	0° Y		minimum elong	6426 Feb 22 05:08	3° X 50'09	1°48'14
evening rise	6425 Mar 28 12:44	17° Y 48'56		evening rise	6426 Mar 09 16:24	28° X 32'28	
	6425 Apr 04 17:14	0° X			6426 Mar 10 13:58	0° Y	
asc. node	6425 Apr 10 10:08	9° X 02'02		asc. node	6426 Mar 28 07:11	27° Y 02'23	
evening max el	6425 Apr 15 16:42	15° X 39'59	18°12'07	evening max el	6426 Mar 30 04:36	29° Y 07'50	18°36'13
retrograde	6425 Apr 22 02:15	19° X 03'13			6426 Mar 31 02:24	0° X	
evening set	6425 Apr 24 23:55	18° X 19'03		retrograde	6426 Apr 05 18:08	2° X 44'08	
inferior conj	6425 May 01 01:40	13° X 01'20	3°18'31	evening set	6426 Apr 08 22:31	1° X 46'53	
minimum elong	6425 May 01 03:18	12° X 56'51	3°18'18		6426 Apr 11 05:21	30° R Y	
min. Earth dist.	6425 May 03 17:18	10° X 07'40	0.63187 AU	inferior conj	6426 Apr 14 15:32	26° Y 11'49	3°28'49
morning rise	6425 May 07 05:24	6° X 52'24		minimum elong	6426 Apr 14 15:40	26° Y 11'24	3°28'48
direct	6425 May 14 00:57	4° X 15'01		min. Earth dist.	6426 Apr 16 15:56	23° Y 45'59	0.65031 AU
desc. node	6425 May 16 01:48	4° X 27'47		morning rise	6426 Apr 20 08:09	19° Y 57'10	
morning max el	6425 May 27 23:51	12° X 16'18	27°47'38	direct	6426 Apr 26 23:46	17° Y 08'55	
	6425 Jun 11 02:00	0° II		desc. node	6426 May 02 22:49	18° Y 58'50	
	6425 Jun 28 17:22	0° E		morning max el	6426 May 10 09:56	25° Y 02'40	27°09'31
morning set	6425 Jul 01 10:49	5° E 22'18			6426 May 14 22:03	0° X	
max. Earth dist.	6425 Jul 06 16:15	16° E 11'08	1.32620 AU		6426 Jun 04 13:17	0° II	
asc. node	6425 Jul 07 09:25	17° E 42'35		morning set	6426 Jun 14 23:21	18° II 52'57	
				max. Earth dist.	6426 Jun 19 11:51	27° II 52'11	1.33719 AU
superior conj	6425 Jul 09 04:38	21° E 34'57	0°18'30		6426 Jun 20 12:49	0° E	
minimum elong	6425 Jul 09 03:45	21° E 30'12	0°18'17				
	6425 Jul 13 01:36	0° O		superior conj	6426 Jun 23 07:31	5° E 47'28	-0°09'48
evening rise	6425 Jul 16 03:41	6° O 39'03		minimum elong	6426 Jun 23 08:02	5° E 50'12	0°09'44
	6425 Jul 28 10:05	0° P		behind sun begin	6426 Jun 23 03:34	5° E 26'40	
evening max el	6425 Aug 08 12:24	14° P 25'07	23°27'26	behind sun end	6426 Jun 23 12:30	6° E 13'45	
desc. node	6425 Aug 12 01:00	17° P 26'03		asc. node	6426 Jun 24 06:25	7° E 48'25	
retrograde	6425 Aug 22 01:32	21° P 12'37		evening rise	6426 Jun 30 14:27	21° E 16'04	
evening set	6425 Aug 26 04:45	20° P 35'09			6426 Jul 04 20:47	0° O	
min. Earth dist.	6425 Sep 01 21:58	17° P 26'57	0.55715 AU	evening max el	6426 Jul 21 03:45	24° O 45'42	21°50'43
inferior conj	6425 Sep 03 21:02	16° P 17'22	-5°16'00		6426 Jul 28 16:45	0° P	
minimum elong	6425 Sep 03 16:44	16° P 23'44	5°15'35	desc. node	6426 Jul 29 22:01	0° P 25'45	
morning rise	6425 Sep 12 07:06	12° P 24'36		retrograde	6426 Aug 02 17:57	1° P 00'23	
direct	6425 Sep 15 04:27	12° P 04'12		evening set	6426 Aug 05 11:09	0° P 43'48	
morning max el	6425 Sep 25 17:29	16° P 58'58	20°18'58		6426 Aug 08 00:53	30° R O	
asc. node	6425 Oct 03 08:46	26° P 31'44		inferior conj	6426 Aug 14 17:13	26° O 42'14	-4°17'46
	6425 Oct 05 12:08	0° A		minimum elong	6426 Aug 14 08:12	26° O 54'51	4°15'33
morning set	6425 Oct 14 06:28	16° A 41'58		min. Earth dist.	6426 Aug 14 07:28	26° O 55'53	0.54834 AU
	6425 Oct 20 17:45	0° M		morning rise	6426 Aug 23 06:38	22° O 52'01	
				direct	6426 Aug 26 15:27	22° O 27'06	
superior conj	6425 Oct 21 20:50	2° M 17'26	1°39'28	morning max el	6426 Sep 07 18:35	28° O 09'04	21°48'59
minimum elong	6425 Oct 21 22:12	2° M 24'20	1°39'26		6426 Sep 09 15:07	0° P	
max. Earth dist.	6425 Oct 27 05:31	12° M 51'23	1.36504 AU	asc. node	6426 Sep 20 05:46	15° P 03'51	
evening rise	6425 Oct 31 02:01	20° M 04'20			6426 Sep 27 22:56	0° A	
	6425 Nov 05 16:55	0° X		morning set	6426 Sep 28 16:02	1° A 29'00	
desc. node	6425 Nov 08 00:13	3° X 52'20					
	6425 Nov 25 16:29	0° Z		superior conj	6426 Oct 05 20:47	16° A 41'43	1°42'38
evening max el	6425 Dec 05 17:40	11° Z 32'37	25°55'57	minimum elong	6426 Oct 05 20:44	16° A 41'27	1°42'39
retrograde	6425 Dec 18 05:54	18° Z 40'22		max. Earth dist.	6426 Oct 09 18:11	24° A 43'33	1.34727 AU
evening set	6425 Dec 24 08:44	16° Z 09'31			6426 Oct 12 09:39	0° M	
min. Earth dist.	6425 Dec 28 15:21	11° Z 34'37	0.66949 AU	evening rise	6426 Oct 14 03:04	3° M 20'55	
inferior conj	6425 Dec 30 02:02	9° Z 45'58	-0°05'03	desc. node	6426 Oct 25 21:13	24° M 09'29	
minimum elong	6425 Dec 30 02:09	9° Z 45'34	0°04'57		6426 Oct 29 13:53	0° X	
transit middle	6425 Dec 30 02:09	9° Z 45'34	0°04'57	evening max el	6426 Nov 18 06:36	25° X 12'36	26°50'44
transit begin	6425 Dec 29 23:27	9° Z 54'02			6426 Nov 24 04:25	0° Z	
transit end	6425 Dec 30 04:51	9° Z 37'05		retrograde	6426 Dec 01 10:11	2° Z 30'22	
asc. node	6425 Dec 30 08:00	9° Z 27'15			6426 Dec 07 21:17	30° R X	
morning rise	6426 Jan 04 20:07	3° Z 55'38		evening set	6426 Dec 08 00:56	29° X 52'46	
direct	6426 Jan 08 01:02	2° Z 56'53		min. Earth dist.	6426 Dec 12 01:16	25° X 52'41	0.65797 AU
morning max el	6426 Jan 14 20:40	6° Z 41'33	18°54'21	inferior conj	6426 Dec 13 23:29	23° X 38'15	-1°05'39
	6426 Jan 31 13:35	0° X		minimum elong	6426 Dec 14 01:21	23° X 32'47	1°04'48
desc. node	6426 Feb 03 23:31	5° X 18'57		asc. node	6426 Dec 17 05:03	20° X 08'18	
morning set	6426 Feb 06 00:59	8° X 32'00		morning rise	6426 Dec 20 02:45	17° X 59'05	
	6426 Feb 19 18:31	0° X		direct	6426 Dec 22 22:14	17° X 15'35	
max. Earth dist.	6426 Feb 20 19:40	1° X 38'37	1.45201 AU	morning max el	6426 Dec 29 10:21	20° X 45'20	18°15'28
					6427 Jan 05 14:56	0° Z	

morning set	6427 Jan 17 12:11	18° Z 50'59		desc. node	6428 Jan 08 17:31	16° Z 32'00	
desc. node	6427 Jan 21 20:31	25° Z 51'24					
	6427 Jan 24 10:36	0° \approx		superior conj	6428 Jan 12 10:28	22° Z 33'36	-0°26'04
				minimum elong	6428 Jan 12 07:26	22° Z 21'21	0°25'35
superior conj	6427 Feb 01 17:56	13° \approx 08'58	-1°11'47		6428 Jan 17 02:10	0° \approx	
minimum elong	6427 Feb 01 09:34	12° \approx 36'02	1°10'45	max. Earth dist.	6428 Jan 17 09:52	0° \approx 30'30	1.44835 AU
max. Earth dist.	6427 Feb 03 14:40	16° \approx 04'27	1.45388 AU	evening rise	6428 Jan 28 10:43	17° \approx 41'32	
	6427 Feb 12 12:32	0° X			6428 Feb 05 12:41	0° X	
evening rise	6427 Feb 17 21:21	8° X 22'52		greatest brilliancy	6428 Feb 12 01:41	9° X 44'19	-0.6m
greatest brilliancy	6427 Mar 01 08:53	26° X 12'35	-0.7m	evening max el	6428 Feb 24 16:49	26° X 16'45	20°14'26
	6427 Mar 03 21:14	0° Y			6428 Feb 29 09:22	0° Y	
evening max el	6427 Mar 13 13:10	12° Y 41'11	19°17'37	asc. node	6428 Mar 01 01:17	0° Y 18'36	
asc. node	6427 Mar 15 04:13	14° Y 12'35		retrograde	6428 Mar 03 12:45	0° Y 50'45	
retrograde	6427 Mar 20 14:32	16° Y 41'47			6428 Mar 06 11:54	30° R X	
evening set	6427 Mar 24 02:20	15° Y 30'37		evening set	6428 Mar 07 09:07	29° X 24'54	
inferior conj	6427 Mar 29 13:50	9° Y 39'51	3°23'38	inferior conj	6428 Mar 12 17:42	23° X 20'26	3°06'15
minimum elong	6427 Mar 29 12:44	9° Y 43'26	3°23'32	minimum elong	6428 Mar 12 15:46	23° X 27'01	3°05'54
min. Earth dist.	6427 Mar 30 22:57	7° Y 52'36	0.66480 AU	min. Earth dist.	6428 Mar 13 12:35	22° X 16'22	0.67492 AU
morning rise	6427 Apr 03 22:46	3° Y 23'48		morning rise	6428 Mar 17 22:12	17° X 05'23	
direct	6427 Apr 10 05:11	0° Y 37'27		direct	6428 Mar 23 16:00	14° X 31'28	
desc. node	6427 Apr 19 19:50	5° Y 19'33		morning max el	6428 Apr 04 04:41	21° X 25'20	24°42'18
morning max el	6427 Apr 22 19:49	8° Y 08'50	26°04'30	desc. node	6428 Apr 05 16:52	22° X 59'56	
	6427 May 09 21:23	0° Z			6428 Apr 11 15:06	0° Y	
	6427 May 28 00:32	0° II			6428 May 02 03:21	0° Z	
morning set	6427 May 28 22:51	1° II 42'49		morning set	6428 May 10 04:25	13° Z 38'22	
max. Earth dist.	6427 Jun 01 20:10	9° II 04'44	1.35289 AU	max. Earth dist.	6428 May 13 19:11	20° Z 08'04	1.37262 AU
					6428 May 19 01:22	0° II	
superior conj	6427 Jun 07 03:00	19° II 34'21	-0°40'03				
minimum elong	6427 Jun 07 05:16	19° II 45'53	0°39'39	superior conj	6428 May 20 12:00	2° II 47'26	-1°10'33
asc. node	6427 Jun 11 03:26	27° II 50'07		minimum elong	6428 May 20 16:05	3° II 07'17	1°09'56
	6427 Jun 12 04:29	0° O		asc. node	6428 May 28 00:29	17° II 43'42	
evening rise	6427 Jun 14 22:15	5° O 40'13		evening rise	6428 May 29 00:42	19° II 44'50	
	6427 Jun 28 12:08	0° Ω			6428 Jun 03 07:07	0° O	
evening max el	6427 Jul 03 06:00	5° Ω 36'41	20°26'28	evening max el	6428 Jun 14 21:05	17° O 10'52	19°21'07
retrograde	6427 Jul 14 06:19	11° Ω 01'25		retrograde	6428 Jun 24 04:07	21° O 44'37	
evening set	6427 Jul 16 05:58	10° Ω 51'37		evening set	6428 Jun 26 02:12	21° O 33'46	
desc. node	6427 Jul 16 19:03	10° Ω 45'37		desc. node	6428 Jul 02 16:06	18° O 42'36	
inferior conj	6427 Jul 25 10:47	6° Ω 54'25	-2°34'15	inferior conj	6428 Jul 04 16:06	17° O 25'51	-0°36'11
minimum elong	6427 Jul 25 03:43	7° Ω 04'40	2°31'47	minimum elong	6428 Jul 04 14:30	17° O 28'28	0°35'36
min. Earth dist.	6427 Jul 26 18:24	6° Ω 08'31	0.54895 AU	min. Earth dist.	6428 Jul 07 07:52	15° O 41'59	0.55894 AU
morning rise	6427 Aug 03 00:35	2° Ω 46'48		morning rise	6428 Jul 13 00:02	12° O 45'19	
direct	6427 Aug 07 01:21	2° Ω 11'44		direct	6428 Jul 17 21:08	11° O 51'13	
morning max el	6427 Aug 20 10:26	8° Ω 41'04	23°31'58	morning max el	6428 Jul 31 23:34	18° O 59'11	25°14'37
	6427 Sep 04 20:58	0° P			6428 Aug 10 05:44	0° Ω	
asc. node	6427 Sep 07 02:47	4° P 09'01		asc. node	6428 Aug 23 23:48	23° Ω 38'48	
morning set	6427 Sep 13 03:27	16° P 20'03			6428 Aug 27 01:45	0° P	
	6427 Sep 19 11:35	0° Q		morning set	6428 Aug 27 15:06	1° P 10'38	
superior conj	6427 Sep 20 02:53	1° Q 22'38	1°39'09	superior conj	6428 Sep 03 12:48	16° P 13'11	1°29'53
minimum elong	6427 Sep 20 01:41	1° Q 16'10	1°39'05	minimum elong	6428 Sep 03 10:50	16° P 02'26	1°29'41
max. Earth dist.	6427 Sep 22 15:37	6° Q 47'27	1.33353 AU	max. Earth dist.	6428 Sep 04 20:53	19° P 08'55	1.32416 AU
evening rise	6427 Sep 27 16:48	17° Q 12'18			6428 Sep 09 22:37	0° Q	
	6427 Oct 04 10:07	0° R		evening rise	6428 Sep 10 15:51	1° Q 29'14	
desc. node	6427 Oct 12 18:15	14° R 05'14			6428 Sep 26 08:12	0° R	
	6427 Oct 24 00:14	0° X		desc. node	6428 Sep 28 15:18	3° R 30'47	
evening max el	6427 Oct 31 19:03	8° X 36'59	27°22'39	evening max el	6428 Oct 13 04:54	21° R 32'35	27°25'16
retrograde	6427 Nov 14 08:15	15° X 55'26		retrograde	6428 Oct 26 23:19	28° R 46'58	
evening set	6427 Nov 21 08:04	13° X 18'23		evening set	6428 Nov 03 03:00	26° R 19'56	
min. Earth dist.	6427 Nov 25 03:01	9° X 51'56	0.64307 AU	min. Earth dist.	6428 Nov 06 18:41	23° R 22'39	0.62515 AU
inferior conj	6427 Nov 27 12:56	7° X 18'36	-2°10'23	inferior conj	6428 Nov 09 15:33	20° R 40'01	-3°16'16
minimum elong	6427 Nov 27 16:51	7° X 08'13	2°08'46	minimum elong	6428 Nov 09 21:22	20° R 26'14	3°14'15
morning rise	6427 Dec 04 03:04	1° X 53'40		morning rise	6428 Nov 16 17:34	15° R 32'49	
asc. node	6427 Dec 04 02:05	1° X 54'42		direct	6428 Nov 19 01:29	15° R 08'17	
direct	6427 Dec 06 15:26	1° X 21'27		asc. node	6428 Nov 19 23:07	15° R 12'04	
morning max el	6427 Dec 13 03:02	4° X 45'43	17°53'35	morning max el	6428 Nov 25 19:42	18° R 35'34	17°49'27
	6427 Dec 29 19:59	0° Z			6428 Dec 04 02:18	0° X	
morning set	6427 Dec 30 04:10	0° Z 34'41		morning set	6428 Dec 11 18:59	13° X 23'46	

	6428 Dec 21 06:42	0°♄				6429 Nov 06 18:54	0°♍	
				morning max el		6429 Nov 09 09:07	2°♍06'27	18°04'12
superior conj	6428 Dec 23 03:38	3°♄10'41 0°17'35		morning set		6429 Nov 25 02:18	26°♍59'08	
minimum elong	6428 Dec 23 05:18	3°♄17'43 0°17'22				6429 Nov 26 17:06	0°♌	
desc. node	6428 Dec 25 14:33	7°♄17'14						
max. Earth dist.	6428 Dec 30 02:30	14°♄39'28 1.43608 AU		superior conj		6429 Dec 04 22:24	15°♌01'50 0°52'58	
evening rise	6429 Jan 06 22:43	27°♄04'18		minimum elong		6429 Dec 05 02:00	15°♌17'52 0°52'31	
	6429 Jan 08 20:13	0°♌		desc. node		6429 Dec 12 11:35	28°♌03'40	
	6429 Jan 29 10:09	0°♌		max. Earth dist.		6429 Dec 12 14:02	28°♌13'56 1.41848 AU	
evening max el	6429 Feb 06 14:57	9°♌53'15 21°23'40				6429 Dec 13 15:30	0°♄	
retrograde	6429 Feb 15 10:44	15°♌06'51		evening rise		6429 Dec 18 00:00	7°♄06'01	
asc. node	6429 Feb 15 22:20	15°♌05'37				6430 Jan 02 00:56	0°♌	
evening set	6429 Feb 19 17:00	13°♌25'46		evening max el		6430 Jan 20 08:08	23°♌31'40 22°41'07	
inferior conj	6429 Feb 25 00:47	7°♌10'08 2°38'46		retrograde		6430 Jan 30 06:51	29°♌26'11	
minimum elong	6429 Feb 24 22:28	7°♌18'10 2°38'10		asc. node		6430 Feb 02 19:23	28°♌22'28	
min. Earth dist.	6429 Feb 25 06:45	6°♌49'27 0.68071 AU		evening set		6430 Feb 04 00:23	27°♌29'48	
morning rise	6429 Mar 02 03:47	0°♌57'34		inferior conj		6430 Feb 09 09:07	21°♌06'20 2°02'34	
	6429 Mar 03 09:18	30°♌		minimum elong		6430 Feb 09 06:52	21°♌14'07 2°01'51	
direct	6429 Mar 07 07:22	28°♌42'50		min. Earth dist.		6430 Feb 09 03:16	21°♌26'36 0.68237 AU	
	6429 Mar 11 15:00	0°♌		morning rise		6430 Feb 14 13:15	14°♌57'33	
morning max el	6429 Mar 17 14:00	4°♌48'48 23°13'02		direct		6430 Feb 19 02:25	13°♌05'08	
desc. node	6429 Mar 23 13:53	11°♌37'35		morning max el		6430 Feb 28 02:58	18°♌21'01 21°46'01	
	6429 Apr 05 22:20	0°♌				6430 Mar 09 18:12	0°♌	
morning set	6429 Apr 21 10:11	24°♌23'55		desc. node		6430 Mar 10 10:55	0°♌56'42	
	6429 Apr 24 17:21	0°♌				6430 Mar 30 01:42	0°♌	
max. Earth dist.	6429 Apr 25 15:03	1°♌33'46 1.39462 AU		morning set		6430 Apr 01 11:58	3°♌51'00	
				max. Earth dist.		6430 Apr 07 14:23	13°♌47'12 1.41621 AU	
superior conj	6429 May 03 06:29	15°♌15'56 -1°38'39						
minimum elong	6429 May 03 11:46	15°♌40'22 1°38'03		superior conj		6430 Apr 15 05:48	26°♌49'33 -2°00'20	
	6429 May 11 01:02	0°♌		minimum elong		6430 Apr 15 10:26	27°♌09'50 2°00'03	
evening rise	6429 May 12 18:50	3°♌21'14				6430 Apr 17 01:01	0°♌	
asc. node	6429 May 14 21:32	7°♌23'58		evening rise		6430 Apr 26 01:02	16°♌20'47	
evening max el	6429 May 28 22:48	29°♌24'49 18°36'16		asc. node		6430 May 01 18:35	26°♌46'00	
	6429 May 29 13:43	0°♌				6430 May 03 15:13	0°♌	
retrograde	6429 Jun 05 19:59	3°♌18'54		evening max el		6430 May 12 07:41	12°♌11'02 18°11'39	
evening set	6429 Jun 07 23:40	3°♌02'25		retrograde		6430 May 19 06:20	15°♌40'58	
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inferior conj	6429 Jun 15 17:39	28°♌35'54 1°06'03		inferior conj		6430 May 28 16:37	10°♌28'38 2°19'10	
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min. Earth dist.	6429 Jun 19 01:32	26°♌04'02 0.57625 AU		min. Earth dist.		6430 Jun 01 01:33	7°♌29'01 0.59770 AU	
desc. node	6429 Jun 19 13:09	25°♌43'10		morning rise		6430 Jun 04 19:48	4°♌43'18	
morning rise	6429 Jun 23 12:52	23°♌18'59		desc. node		6430 Jun 06 10:11	3°♌52'41	
direct	6429 Jun 29 06:55	21°♌55'56		direct		6430 Jun 11 06:14	2°♌46'37	
morning max el	6429 Jul 13 16:07	29°♌31'40 26°40'34		morning max el		6430 Jun 25 15:01	10°♌39'50 27°35'57	
	6429 Jul 14 03:39	0°♌				6430 Jul 10 15:23	0°♌	
	6429 Aug 04 00:50	0°♌		morning set		6430 Jul 27 08:19	0°♌27'17	
asc. node	6429 Aug 10 20:49	13°♌25'32				6430 Jul 27 03:05	0°♌	
morning set	6429 Aug 12 01:17	15°♌54'47		asc. node		6430 Jul 28 17:51	3°♌23'42	
	6429 Aug 18 12:31	0°♌		max. Earth dist.		6430 Aug 02 17:28	14°♌12'54 1.31835 AU	
superior conj	6429 Aug 19 00:26	1°♌06'00 1°15'31		superior conj		6430 Aug 03 12:02	15°♌55'25 0°56'32	
minimum elong	6429 Aug 18 22:10	0°♌53'25 1°15'10		minimum elong		6430 Aug 03 09:55	15°♌43'44 0°56'07	
max. Earth dist.	6429 Aug 19 06:43	1°♌40'44 1.31910 AU				6430 Aug 09 22:13	0°♌	
evening rise	6429 Aug 25 21:14	16°♌02'27		evening rise		6430 Aug 10 06:39	0°♌45'04	
	6429 Sep 01 20:53	0°♌				6430 Aug 26 02:34	0°♌	
desc. node	6429 Sep 15 12:20	22°♌13'15		desc. node		6430 Sep 02 09:22	9°♌55'28	
	6429 Sep 21 17:51	0°♌		evening max el		6430 Sep 07 06:10	15°♌09'37 25°51'38	
evening max el	6429 Sep 25 09:17	3°♌45'46 26°54'43		retrograde		6430 Sep 21 05:03	22°♌15'11	
retrograde	6429 Oct 09 06:41	10°♌55'42		evening set		6430 Sep 27 11:07	20°♌42'23	
evening set	6429 Oct 16 05:39	8°♌50'13		min. Earth dist.		6430 Oct 01 18:40	18°♌06'40 0.58421 AU	
min. Earth dist.	6429 Oct 19 23:28	6°♌11'59 0.60496 AU		inferior conj		6430 Oct 04 22:37	15°♌49'44 -5°06'00	
inferior conj	6429 Oct 23 03:55	3°♌33'29 -4°18'00		minimum elong		6430 Oct 05 03:43	15°♌40'30 5°05'16	
minimum elong	6429 Oct 23 10:38	3°♌19'30 4°16'16		morning rise		6430 Oct 12 22:37	11°♌26'38	
	6429 Oct 27 23:48	30°♌		direct		6430 Oct 15 07:43	11°♌08'24	
morning rise	6429 Oct 30 17:47	28°♌47'29		morning max el		6430 Oct 23 15:44	15°♌08'46 18°39'16	
direct	6429 Nov 02 00:23	28°♌27'29		asc. node		6430 Oct 24 17:11	16°♌13'25	
asc. node	6429 Nov 06 20:09	0°♌02'01				6430 Nov 03 00:03	0°♌	

morning set	6430 Nov 08 21:05	11° \mathbb{M} 06'21		asc. node	6431 Oct 11 14:13	3° \mathbb{A} 31'11	
				morning set	6431 Oct 23 23:43	25° \mathbb{A} 35'40	
superior conj	6430 Nov 17 14:14	27° \mathbb{M} 53'36	1°18'23		6431 Oct 26 04:04	0° \mathbb{M}	
minimum elong	6430 Nov 17 17:40	28° \mathbb{M} 09'38	1°18'02				
	6430 Nov 18 17:18	0° \mathbb{A}		superior conj	6431 Oct 31 21:59	11° \mathbb{M} 31'39	1°34'14
max. Earth dist.	6430 Nov 24 20:33	11° \mathbb{A} 04'43	1.39781 AU	minimum elong	6431 Nov 01 00:12	11° \mathbb{M} 42'34	1°34'06
evening rise	6430 Nov 28 22:42	18° \mathbb{A} 06'01		max. Earth dist.	6431 Nov 07 01:46	23° \mathbb{M} 18'53	1.37662 AU
desc. node	6430 Nov 29 08:34	18° \mathbb{A} 47'28		evening rise	6431 Nov 10 19:41	0° \mathbb{A} 06'35	
	6430 Dec 06 06:24	0° \mathbb{B}			6431 Nov 10 18:12	0° \mathbb{A}	
	6430 Dec 27 11:25	0° \mathbb{A}		desc. node	6431 Nov 16 05:35	9° \mathbb{A} 25'08	
evening max el	6431 Jan 02 22:10	7° \mathbb{A} 13'18	24°01'13		6431 Nov 29 12:58	0° \mathbb{B}	
retrograde	6431 Jan 13 23:41	13° \mathbb{A} 43'51		evening max el	6431 Dec 16 11:08	20° \mathbb{B} 58'45	25°17'06
evening set	6431 Jan 19 05:41	11° \mathbb{A} 32'43		retrograde	6431 Dec 28 12:06	27° \mathbb{B} 55'36	
asc. node	6431 Jan 20 16:26	10° \mathbb{A} 09'19		evening set	6432 Jan 03 07:19	25° \mathbb{B} 31'19	
min. Earth dist.	6431 Jan 23 23:47	6° \mathbb{A} 03'12	0.68023 AU	min. Earth dist.	6432 Jan 07 18:00	20° \mathbb{B} 36'09	0.67446 AU
inferior conj	6431 Jan 24 16:48	5° \mathbb{A} 05'31	1°18'30	asc. node	6432 Jan 07 13:27	20° \mathbb{B} 50'42	
minimum elong	6431 Jan 24 15:06	5° \mathbb{A} 11'18	1°17'53	inferior conj	6432 Jan 08 22:04	19° \mathbb{B} 05'06	0°27'21
	6431 Jan 28 21:36	30° \mathbb{R} \mathbb{B}		minimum elong	6432 Jan 08 21:23	19° \mathbb{B} 07'18	0°27'07
morning rise	6431 Jan 30 00:33	29° \mathbb{B} 02'10		morning rise	6432 Jan 14 11:44	13° \mathbb{B} 09'11	
direct	6431 Feb 03 00:06	27° \mathbb{B} 32'11		direct	6432 Jan 17 23:02	11° \mathbb{B} 59'47	
	6431 Feb 08 15:39	0° \mathbb{A}		morning max el	6432 Jan 25 02:12	15° \mathbb{B} 57'59	19°24'07
morning max el	6431 Feb 10 22:36	2° \mathbb{A} 03'53	20°28'15		6432 Feb 04 22:23	0° \mathbb{A}	
desc. node	6431 Feb 25 07:54	20° \mathbb{A} 45'16		greatest brilliancy	6432 Feb 07 04:23	3° \mathbb{A} 19'49	-0.7m
	6431 Mar 03 13:34	0° \mathbb{H}		desc. node	6432 Feb 12 04:54	10° \mathbb{A} 55'30	
morning set	6431 Mar 11 13:55	12° \mathbb{H} 14'46		morning set	6432 Feb 18 12:05	20° \mathbb{A} 36'26	
max. Earth dist.	6431 Mar 20 20:40	26° \mathbb{H} 53'56	1.43464 AU		6432 Feb 24 13:24	0° \mathbb{H}	
	6431 Mar 22 18:40	0° \mathbb{Y}		max. Earth dist.	6432 Mar 02 10:07	10° \mathbb{H} 45'49	1.44766 AU
superior conj	6431 Mar 27 05:19	7° \mathbb{Y} 18'10	-2°10'13	superior conj	6432 Mar 06 03:54	16° \mathbb{H} 42'09	-2°02'34
minimum elong	6431 Mar 27 05:57	7° \mathbb{Y} 20'49	2°10'13	minimum elong	6432 Mar 05 21:55	16° \mathbb{H} 18'19	2°02'15
evening rise	6431 Apr 08 14:48	28° \mathbb{Y} 32'51			6432 Mar 14 09:13	0° \mathbb{Y}	
	6431 Apr 09 10:40	0° \mathbb{B}		evening rise	6432 Mar 20 07:44	9° \mathbb{Y} 49'30	
asc. node	6431 Apr 18 15:37	15° \mathbb{B} 42'56			6432 Apr 01 16:09	0° \mathbb{B}	
evening max el	6431 Apr 25 20:10	25° \mathbb{B} 19'51	18°06'34	asc. node	6432 Apr 04 12:38	4° \mathbb{B} 06'51	
retrograde	6431 May 02 07:29	28° \mathbb{B} 41'08		evening max el	6432 Apr 08 09:06	8° \mathbb{B} 43'00	18°20'14
evening set	6431 May 05 01:22	28° \mathbb{B} 04'10		retrograde	6432 Apr 14 19:09	12° \mathbb{B} 09'53	
inferior conj	6431 May 11 09:52	22° \mathbb{B} 57'36	3°03'43	evening set	6432 Apr 17 19:44	11° \mathbb{B} 20'08	
minimum elong	6431 May 11 12:20	22° \mathbb{B} 51'17	3°03'16	inferior conj	6432 Apr 23 17:20	5° \mathbb{B} 54'57	3°24'59
min. Earth dist.	6431 May 14 09:33	19° \mathbb{B} 55'10	0.61991 AU	minimum elong	6432 Apr 23 18:19	5° \mathbb{B} 52'07	3°24'54
morning rise	6431 May 17 21:30	16° \mathbb{B} 54'52		min. Earth dist.	6432 Apr 26 02:38	3° \mathbb{B} 11'29	0.64020 AU
desc. node	6431 May 24 07:12	14° \mathbb{B} 29'31			6432 Apr 29 07:50	30° \mathbb{R} \mathbb{Y}	
direct	6431 May 24 16:19	14° \mathbb{B} 29'05		morning rise	6432 Apr 29 15:57	29° \mathbb{Y} 43'14	
morning max el	6431 Jun 07 19:52	22° \mathbb{B} 30'06	27°54'05	direct	6432 May 06 10:48	26° \mathbb{Y} 59'33	
	6431 Jun 14 10:29	0° \mathbb{H}		desc. node	6432 May 10 04:14	27° \mathbb{Y} 42'32	
	6431 Jul 03 19:41	0° \mathbb{B}			6432 May 14 09:56	0° \mathbb{B}	
morning set	6431 Jul 11 10:12	14° \mathbb{B} 42'02		morning max el	6432 May 20 04:38	4° \mathbb{B} 58'28	27°35'12
asc. node	6431 Jul 15 14:53	23° \mathbb{B} 28'32			6432 Jun 08 02:52	0° \mathbb{H}	
max. Earth dist.	6431 Jul 17 01:18	26° \mathbb{B} 33'41	1.32201 AU	morning set	6432 Jun 24 04:29	28° \mathbb{H} 31'20	
					6432 Jun 24 22:19	0° \mathbb{B}	
superior conj	6431 Jul 18 21:48	0° \mathbb{B} 35'45	0°33'27	max. Earth dist.	6432 Jun 29 02:28	8° \mathbb{B} 32'04	1.33032 AU
minimum elong	6431 Jul 18 20:20	0° \mathbb{B} 27'43	0°33'07	asc. node	6432 Jul 01 11:53	13° \mathbb{B} 35'20	
	6431 Jul 18 15:16	0° \mathbb{B}					
evening rise	6431 Jul 25 18:07	15° \mathbb{B} 30'51		superior conj	6432 Jul 02 03:50	15° \mathbb{B} 00'33	0°06'52
	6431 Aug 01 22:04	0° \mathbb{H}		minimum elong	6432 Jul 02 03:30	14° \mathbb{B} 58'44	0°06'44
evening max el	6431 Aug 19 20:15	25° \mathbb{H} 49'43	24°23'47	behind sun begin	6432 Jul 01 22:34	14° \mathbb{B} 32'23	
desc. node	6431 Aug 20 06:23	26° \mathbb{H} 13'43		behind sun end	6432 Jul 02 08:25	15° \mathbb{B} 25'06	
	6431 Aug 25 01:25	0° \mathbb{B}		evening rise	6432 Jul 09 05:43	0° \mathbb{B} 13'17	
retrograde	6431 Sep 02 15:53	2° \mathbb{B} 46'36			6432 Jul 09 03:13	0° \mathbb{B}	
evening set	6431 Sep 07 16:01	1° \mathbb{B} 50'57			6432 Jul 26 00:37	0° \mathbb{H}	
	6431 Sep 11 14:11	30° \mathbb{R} \mathbb{H}		evening max el	6432 Jul 31 08:43	6° \mathbb{H} 07'41	22°45'29
min. Earth dist.	6431 Sep 13 07:17	28° \mathbb{H} 59'10	0.56562 AU	desc. node	6432 Aug 06 03:25	10° \mathbb{H} 36'07	
inferior conj	6431 Sep 15 21:17	27° \mathbb{H} 21'29	-5°25'07	retrograde	6432 Aug 13 13:48	12° \mathbb{H} 43'02	
minimum elong	6431 Sep 15 21:05	27° \mathbb{H} 21'49	5°25'07	evening set	6432 Aug 17 01:30	12° \mathbb{H} 16'26	
morning rise	6431 Sep 24 04:26	23° \mathbb{H} 19'22		min. Earth dist.	6432 Aug 24 16:40	8° \mathbb{H} 53'14	0.55242 AU
direct	6431 Sep 26 20:18	23° \mathbb{H} 00'21		inferior conj	6432 Aug 26 01:04	8° \mathbb{H} 06'57	-4°57'56
morning max el	6431 Oct 06 12:09	27° \mathbb{H} 32'35	19°36'08	minimum elong	6432 Aug 25 18:07	8° \mathbb{H} 16'55	4°56'49
	6431 Oct 08 20:14	0° \mathbb{B}		morning rise	6432 Sep 03 12:46	4° \mathbb{H} 17'29	

































































































































direct	6432 Sep 06 14:55	3° \mathbb{M} 55'24		direct	6433 Aug 17 23:35	13° Ω 59'45	
morning max el	6432 Sep 17 20:06	9° \mathbb{M} 09'23	20°54'58	morning max el	6433 Aug 30 16:40	20° Ω 01'34	22°31'49
asc. node	6432 Sep 27 11:13	21° \mathbb{M} 39'51			6433 Sep 07 23:55	0° \mathbb{M}	
	6432 Oct 02 03:35	0° $\underline{\Omega}$		asc. node	6433 Sep 14 08:15	10° \mathbb{M} 27'27	
morning set	6432 Oct 07 07:25	10° $\underline{\Omega}$ 18'20		morning set	6433 Sep 21 18:01	25° \mathbb{M} 08'13	
					6433 Sep 24 01:01	0° $\underline{\Omega}$	
superior conj	6432 Oct 14 17:04	25° $\underline{\Omega}$ 42'10	1°41'41	superior conj	6433 Sep 28 20:01	10° $\underline{\Omega}$ 14'51	1°41'54
minimum elong	6432 Oct 14 17:49	25° $\underline{\Omega}$ 45'59	1°41'41	minimum elong	6433 Sep 28 19:26	10° $\underline{\Omega}$ 11'46	1°41'54
	6432 Oct 16 19:41	0° \mathbb{M}		max. Earth dist.	6433 Oct 02 03:17	17° $\underline{\Omega}$ 10'40	1.34097 AU
max. Earth dist.	6432 Oct 19 10:45	5° \mathbb{M} 13'57	1.35713 AU	evening rise	6433 Oct 06 18:37	26° $\underline{\Omega}$ 30'57	
evening rise	6432 Oct 23 11:41	12° \mathbb{M} 58'20			6433 Oct 08 13:55	0° \mathbb{M}	
desc. node	6432 Nov 02 02:36	29° \mathbb{M} 51'25		desc. node	6433 Oct 19 23:37	20° \mathbb{M} 00'33	
	6432 Nov 02 04:41	0° \mathbb{X}			6433 Oct 26 13:07	0° \mathbb{X}	
	6432 Nov 23 12:52	0° \mathbb{Z}		evening max el	6433 Nov 10 12:55	18° \mathbb{X} 17'18	27°07'21
evening max el	6432 Nov 28 00:07	4° \mathbb{Z} 42'58	26°21'35	retrograde	6433 Nov 23 20:54	25° \mathbb{X} 35'58	
retrograde	6432 Dec 10 19:19	11° \mathbb{Z} 55'21		evening set	6433 Nov 30 16:11	22° \mathbb{X} 57'19	
evening set	6432 Dec 17 03:31	9° \mathbb{Z} 21'04		min. Earth dist.	6433 Dec 04 14:01	19° \mathbb{X} 12'08	0.65210 AU
min. Earth dist.	6432 Dec 21 07:29	5° \mathbb{Z} 01'02	0.66507 AU	inferior conj	6433 Dec 06 17:19	16° \mathbb{X} 48'35	-1°32'45
inferior conj	6432 Dec 22 22:58	3° \mathbb{Z} 00'58	-0°30'08	minimum elong	6433 Dec 06 20:02	16° \mathbb{X} 40'58	1°31'34
minimum elong	6432 Dec 22 23:47	2° \mathbb{Z} 58'28	0°29'44	asc. node	6433 Dec 11 07:33	12° \mathbb{X} 18'38	
asc. node	6432 Dec 24 10:30	1° \mathbb{Z} 14'53		morning rise	6433 Dec 13 01:03	11° \mathbb{X} 15'22	
	6432 Dec 25 13:28	30° \mathbb{R} \mathbb{X}		direct	6433 Dec 15 17:15	10° \mathbb{X} 37'08	
morning rise	6432 Dec 28 20:43	27° \mathbb{X} 15'00		morning max el	6433 Dec 22 04:13	14° \mathbb{X} 03'08	18°04'04
direct	6432 Dec 31 21:29	26° \mathbb{X} 23'03			6434 Jan 02 13:16	0° \mathbb{Z}	
morning max el	6433 Jan 07 12:50	29° \mathbb{X} 59'44	18°35'46	morning set	6434 Jan 09 06:17	11° \mathbb{Z} 00'34	
	6433 Jan 07 12:57	0° \mathbb{Z}		desc. node	6434 Jan 15 22:54	21° \mathbb{Z} 57'31	
morning set	6433 Jan 28 06:24	0° \approx 04'05			6434 Jan 20 22:53	0° \approx	
	6433 Jan 28 05:22	0° \approx					
desc. node	6433 Jan 29 01:54	1° \approx 21'10		superior conj	6434 Jan 23 16:29	4° \approx 20'47	-0°52'42
superior conj	6433 Feb 13 09:28	25° \approx 25'47	-1°34'57	minimum elong	6434 Jan 23 10:08	3° \approx 55'38	0°51'50
minimum elong	6433 Feb 12 23:54	24° \approx 48'20	1°33'59	max. Earth dist.	6434 Jan 27 00:10	9° \approx 35'06	1.45236 AU
max. Earth dist.	6433 Feb 13 04:30	25° \approx 06'19	1.45373 AU	evening rise	6434 Feb 08 22:20	29° \approx 42'14	
	6433 Feb 16 07:24	0° \mathbb{X}			6434 Feb 09 02:55	0° \mathbb{X}	
evening rise	6433 Mar 01 01:23	20° \mathbb{X} 09'11		greatest brilliancy	6434 Feb 22 06:26	20° \mathbb{X} 05'54	-0.7m
	6433 Mar 07 05:39	0° \mathbb{Y}			6434 Mar 01 05:30	0° \mathbb{Y}	
greatest brilliancy	6433 Mar 09 12:55	3° \mathbb{Y} 38'56	-0.8m	evening max el	6434 Mar 06 02:21	5° \mathbb{Y} 47'49	19°40'04
asc. node	6433 Mar 22 09:41	21° \mathbb{Y} 47'39		asc. node	6434 Mar 09 06:45	8° \mathbb{Y} 32'14	
evening max el	6433 Mar 22 19:51	22° \mathbb{Y} 13'58	18°51'50	retrograde	6434 Mar 13 10:57	10° \mathbb{Y} 02'04	
retrograde	6433 Mar 29 13:22	25° \mathbb{Y} 59'12		evening set	6434 Mar 17 02:13	8° \mathbb{Y} 44'42	
evening set	6433 Apr 01 20:53	24° \mathbb{Y} 55'54		inferior conj	6434 Mar 22 12:09	2° \mathbb{Y} 47'34	3°17'39
inferior conj	6433 Apr 07 11:10	19° \mathbb{Y} 13'45	3°28'18	minimum elong	6434 Mar 22 10:38	2° \mathbb{Y} 52'34	3°17'27
minimum elong	6433 Apr 07 10:44	19° \mathbb{Y} 15'06	3°28'16	min. Earth dist.	6434 Mar 23 14:59	1° \mathbb{Y} 18'34	0.66954 AU
min. Earth dist.	6433 Apr 09 04:53	17° \mathbb{Y} 03'45	0.65695 AU		6434 Mar 24 15:18	30° \mathbb{R} \mathbb{X}	
morning rise	6433 Apr 13 00:07	12° \mathbb{Y} 58'17		morning rise	6434 Mar 27 18:48	26° \mathbb{X} 31'34	
direct	6433 Apr 19 12:18	10° \mathbb{Y} 09'43		direct	6434 Apr 02 20:00	23° \mathbb{X} 49'41	
desc. node	6433 Apr 27 01:15	13° \mathbb{Y} 04'36		desc. node	6434 Apr 13 22:16	0° \mathbb{Y} 02'17	
morning max el	6433 May 02 14:56	17° \mathbb{Y} 55'10	26°44'47		6434 Apr 13 21:19	0° \mathbb{Y}	
	6433 May 12 18:05	0° \mathbb{Z}		morning max el	6434 Apr 15 00:37	1° \mathbb{Y} 07'20	25°31'12
	6433 Jun 01 01:31	0° \mathbb{I}			6434 May 06 18:20	0° \mathbb{Z}	
morning set	6433 Jun 07 12:02	11° \mathbb{I} 46'37		morning set	6434 May 21 04:35	24° \mathbb{Z} 15'13	
max. Earth dist.	6433 Jun 11 17:47	20° \mathbb{I} 02'32	1.34334 AU		6434 May 24 07:16	0° \mathbb{I}	
				max. Earth dist.	6434 May 24 21:50	1° \mathbb{I} 08'35	1.36082 AU
superior conj	6433 Jun 16 03:57	29° \mathbb{I} 03'40	-0°22'26	superior conj	6434 May 30 19:21	12° \mathbb{I} 36'50	-0°53'05
minimum elong	6433 Jun 16 05:11	29° \mathbb{I} 10'03	0°22'14	minimum elong	6434 May 30 22:25	12° \mathbb{I} 52'07	0°52'34
	6433 Jun 16 14:47	0° \mathbb{S}		asc. node	6434 Jun 05 05:57	23° \mathbb{I} 39'11	
asc. node	6433 Jun 18 08:55	3° \mathbb{S} 40'27		evening rise	6434 Jun 07 21:23	29° \mathbb{I} 03'12	
evening rise	6433 Jun 23 15:33	14° \mathbb{S} 46'32			6434 Jun 08 08:34	0° \mathbb{S}	
	6433 Jul 01 09:15	0° Ω		evening max el	6434 Jun 25 11:40	27° \mathbb{S} 46'50	19°56'11
evening max el	6433 Jul 13 04:01	16° Ω 38'27	21°12'45		6434 Jun 28 01:27	0° Ω	
desc. node	6433 Jul 24 00:27	22° Ω 30'25		retrograde	6434 Jul 05 18:28	2° Ω 49'42	
retrograde	6433 Jul 25 03:11	22° Ω 33'25		evening set	6434 Jul 07 15:44	2° Ω 40'15	
evening set	6433 Jul 27 10:48	22° Ω 20'54		desc. node	6434 Jul 10 21:30	1° Ω 43'49	
inferior conj	6433 Aug 05 18:21	18° Ω 22'42	-3°37'58		6434 Jul 14 09:15	30° \mathbb{R} \mathbb{S}	
minimum elong	6433 Aug 05 09:22	18° Ω 35'19	3°35'17	inferior conj	6434 Jul 16 15:23	28° \mathbb{S} 39'47	-1°43'54
min. Earth dist.	6433 Aug 06 02:15	18° Ω 11'35	0.54747 AU	minimum elong	6434 Jul 16 10:34	28° \mathbb{S} 47'06	1°42'07
morning rise	6433 Aug 14 08:34	14° Ω 28'00					

min. Earth dist.	6434 Jul 18 14:16	27°  28'42	0.55210 AU	minimum elong	6435 Jun 27 05:06	9°  25'24	0°10'07
morning rise	6434 Jul 25 03:33	24°  19'08		transit middle	6435 Jun 27 05:06	9°  25'24	0°10'07
direct	6434 Jul 29 12:12	23°  37'27		transit begin	6435 Jun 27 02:11	9°  30'30	
	6434 Aug 11 19:59	0°  ♁		transit end	6435 Jun 27 08:02	9°  20'17	
morning max el	6434 Aug 12 06:43	0°  ♁24'58	24°16'38	desc. node	6435 Jun 27 18:33	9°  01'49	
asc. node	6434 Sep 01 05:17	29°  ♁44'04		min. Earth dist.	6435 Jun 30 05:35	7°  19'36	0.56555 AU
	6434 Sep 01 08:32	0°  ♁		morning rise	6435 Jul 05 07:50	4°  29'28	
morning set	6434 Sep 06 05:45	9°  ♁59'58		direct	6435 Jul 10 14:13	3°  23'47	
				morning max el	6435 Jul 24 20:38	10°  45'44	25°54'07
superior conj	6434 Sep 13 04:02	25°  ♁01'12	1°35'53		6435 Aug 08 13:56	0°  ♁	
minimum elong	6434 Sep 13 02:28	24°  ♁52'39	1°35'46	asc. node	6435 Aug 19 02:17	19°  ♁21'47	
max. Earth dist.	6434 Sep 15 04:09	29°  ♁21'30	1.32898 AU	morning set	6435 Aug 21 16:57	24°  ♁48'21	
	6434 Sep 15 11:20	0°  ♁			6435 Aug 24 02:53	0°  ♁	
evening rise	6434 Sep 20 12:42	10°  ♁34'25					
	6434 Sep 30 21:15	0°  ♁		superior conj	6435 Aug 28 14:54	9°  ♁53'44	1°24'23
desc. node	6434 Oct 06 20:40	9°  ♁45'06		minimum elong	6435 Aug 28 12:45	9°  ♁41'53	1°24'07
	6434 Oct 22 11:23	0°  ♁		max. Earth dist.	6435 Aug 29 11:35	11°  ♁47'39	1.32143 AU
evening max el	6434 Oct 24 00:21	1°  ♁30'50	27°27'33	evening rise	6435 Sep 04 14:43	24°  ♁59'29	
retrograde	6434 Nov 06 16:21	8°  ♁48'47			6435 Sep 07 01:24	0°  ♁	
evening set	6434 Nov 13 18:39	6°  ♁14'22		desc. node	6435 Sep 23 17:43	28°  ♁54'24	
min. Earth dist.	6434 Nov 17 11:39	3°  ♁01'20	0.63576 AU		6435 Sep 24 11:59	0°  ♁	
inferior conj	6434 Nov 20 02:34	0°  ♁	-2°38'26	evening max el	6435 Oct 06 08:16	14°  ♁10'26	27°16'31
minimum elong	6434 Nov 20 07:20	0°  ♁10'12	2°36'36	retrograde	6435 Oct 20 04:36	21°  ♁23'18	
	6434 Nov 20 11:23	30°  ♁		evening set	6435 Oct 27 07:16	19°  ♁04'11	
morning rise	6434 Nov 26 21:43	25°  ♁04'47		min. Earth dist.	6435 Oct 30 22:57	16°  ♁16'21	0.61670 AU
asc. node	6434 Nov 28 04:36	24°  ♁42'41		inferior conj	6435 Nov 02 23:35	13°  ♁33'31	-3°43'27
direct	6434 Nov 29 07:44	24°  ♁36'24		minimum elong	6435 Nov 03 05:59	13°  ♁19'07	3°41'27
morning max el	6434 Dec 05 21:24	28°  ♁01'03	17°49'37	morning rise	6435 Nov 10 06:44	8°  ♁34'50	
	6434 Dec 07 16:52	0°  ♁		direct	6435 Nov 12 13:31	8°  ♁12'42	
morning set	6434 Dec 22 08:51	23°  ♁15'01		asc. node	6435 Nov 15 01:38	8°  ♁40'20	
	6434 Dec 26 06:56	0°  ♁		morning max el	6435 Nov 19 13:06	11°  ♁44'18	17°53'16
desc. node	6435 Jan 02 19:55	12°  ♁40'58			6435 Dec 01 17:49	0°  ♁	
				morning set	6435 Dec 05 07:25	6°  ♁26'16	
superior conj	6435 Jan 03 18:55	14°  ♁15'34	-0°06'50				
minimum elong	6435 Jan 03 18:10	14°  ♁12'32	0°06'41	superior conj	6435 Dec 15 23:18	25°  ♁25'19	0°33'45
behind sun begin	6435 Jan 03 09:19	13°  ♁36'09		minimum elong	6435 Dec 16 02:07	25°  ♁37'29	0°33'24
behind sun end	6435 Jan 04 03:01	14°  ♁48'51			6435 Dec 18 15:35	0°  ♁	
max. Earth dist.	6435 Jan 09 18:09	23°  ♁54'43	1.44383 AU	desc. node	6435 Dec 20 16:56	3°  ♁27'18	
	6435 Jan 13 14:32	0°  ♁		max. Earth dist.	6435 Dec 23 08:27	7°  ♁49'46	1.42914 AU
evening rise	6435 Jan 19 09:10	8°  ♁58'05		evening rise	6435 Dec 30 01:20	18°  ♁34'21	
	6435 Feb 02 09:01	0°  ♁			6436 Jan 06 11:47	0°  ♁	
evening max el	6435 Feb 17 03:35	19°  ♁23'42	20°42'36		6436 Jan 28 04:50	0°  ♁	
asc. node	6435 Feb 24 03:48	24°  ♁06'35		evening max el	6436 Jan 30 23:33	3°  ♁01'22	21°55'57
retrograde	6435 Feb 25 09:22	24°  ♁14'35		retrograde	6436 Feb 09 06:41	8°  ♁32'22	
evening set	6435 Mar 01 09:40	22°  ♁42'29		asc. node	6436 Feb 11 00:52	8°  ♁16'12	
inferior conj	6435 Mar 06 17:41	16°  ♁32'52	2°55'45	evening set	6436 Feb 13 17:30	6°  ♁45'00	
minimum elong	6435 Mar 06 15:31	16°  ♁40'16	2°55'17	inferior conj	6436 Feb 19 01:31	0°  ♁25'47	2°24'24
min. Earth dist.	6435 Mar 07 06:58	15°  ♁47'11	0.67786 AU	minimum elong	6436 Feb 18 23:11	0°  ♁33'56	2°23'44
morning rise	6435 Mar 11 21:10	10°  ♁18'25		min. Earth dist.	6436 Feb 19 02:26	0°  ♁22'36	0.68195 AU
direct	6435 Mar 17 08:58	7°  ♁51'56			6436 Feb 19 08:56	30°  ♁	
morning max el	6435 Mar 28 09:22	14°  ♁27'03	24°04'33	morning rise	6436 Feb 24 04:40	24°  ♁14'34	
desc. node	6435 Mar 31 19:17	18°  ♁09'27		direct	6436 Feb 29 02:12	22°  ♁08'51	
	6435 Apr 10 01:24	0°  ♁		morning max el	6436 Mar 09 19:35	27°  ♁53'09	22°35'07
	6435 Apr 29 16:00	0°  ♁			6436 Mar 11 19:33	0°  ♁	
morning set	6435 May 03 00:43	5°  ♁42'48		desc. node	6436 Mar 17 16:18	7°  ♁06'19	
max. Earth dist.	6435 May 06 18:02	12°  ♁14'48	1.38179 AU		6436 Apr 02 17:18	0°  ♁	
				morning set	6436 Apr 12 18:44	15°  ♁54'51	
superior conj	6435 May 13 22:40	25°  ♁31'51	-1°22'59	max. Earth dist.	6436 Apr 17 14:19	23°  ♁57'24	1.40404 AU
minimum elong	6435 May 14 03:23	25°  ♁54'21	1°22'20		6436 Apr 21 02:25	0°  ♁	
	6435 May 16 06:28	0°  ♁					
evening rise	6435 May 22 20:39	12°  ♁56'18		superior conj	6436 Apr 25 09:36	7°  ♁38'39	-1°48'56
asc. node	6435 May 23 02:59	13°  ♁27'30		minimum elong	6436 Apr 25 14:55	8°  ♁02'43	1°48'27
	6435 Jun 01 01:55	0°  ♁		evening rise	6436 May 05 10:08	26°  ♁17'58	
evening max el	6435 Jun 08 07:41	9°  ♁38'47	18°59'36		6436 May 07 09:16	0°  ♁	
retrograde	6435 Jun 16 23:06	13°  ♁53'40		asc. node	6436 May 09 00:02	3°  ♁00'47	
evening set	6435 Jun 18 23:03	13°  ♁40'58		evening max el	6436 May 21 12:58	22°  ♁08'08	18°23'26
inferior conj	6435 Jun 27 04:41	9°  ♁26'08	0°10'19	retrograde	6436 May 28 22:53	25°  ♁49'34	

evening set	6436 May 31 05:46	25°II29'27		evening set	6437 May 14 06:10	7°II58'58	
inferior conj	6436 Jun 07 15:29	20°II54'26	1°40'47	inferior conj	6437 May 20 22:40	3°II03'18	2°41'18
minimum elong	6436 Jun 07 18:31	20°II48'12	1°39'46	minimum elong	6437 May 21 01:45	2°II55'56	2°40'33
min. Earth dist.	6436 Jun 11 01:31	18°II07'54	0.58508 AU	min. Earth dist.	6437 May 24 04:26	29°R59'50	0.60722 AU
desc. node	6436 Jun 13 15:35	16°II17'35			6437 May 24 04:22	30°R8	
morning rise	6436 Jun 15 04:05	15°II24'31		morning rise	6437 May 27 19:02	27°R09'27	
direct	6436 Jun 21 06:12	13°II47'04		desc. node	6437 May 31 12:37	25°R24'14	
morning max el	6436 Jul 05 15:28	21°II30'55	27°08'29	direct	6437 Jun 03 10:00	24°R59'43	
	6436 Jul 13 01:15	0°☾			6437 Jun 14 11:34	0°II	
	6436 Jul 31 10:12	0°♊		morning max el	6437 Jun 17 17:02	2°II56'37	27°48'32
asc. node	6436 Aug 04 23:18	9°♊14'19			6437 Jul 07 13:32	0°☾	
morning set	6436 Aug 05 02:00	9°♊28'31		morning set	6437 Jul 20 07:05	23°☾54'01	
				asc. node	6437 Jul 22 20:19	29°☾15'43	
					6437 Jul 23 04:37	0°♊	
superior conj	6436 Aug 12 02:44	24°♊46'17	1°08'01				
minimum elong	6436 Aug 12 00:28	24°♊33'45	1°07'37	max. Earth dist.	6437 Jul 26 08:28	6°♊51'17	1.31937 AU
max. Earth dist.	6436 Aug 11 22:19	24°♊21'49	1.31824 AU				
	6436 Aug 14 11:28	0°♎		superior conj	6437 Jul 27 13:44	9°♊32'08	0°47'14
evening rise	6436 Aug 18 22:07	9°♎38'19		minimum elong	6437 Jul 27 11:50	9°♊21'40	0°46'49
	6436 Aug 29 09:05	0°♏		evening rise	6437 Aug 03 08:37	24°♊22'55	
desc. node	6436 Sep 09 14:45	17°♏14'16			6437 Aug 06 00:51	0°♎	
evening max el	6436 Sep 17 09:55	26°♏04'35	26°31'43		6437 Aug 23 19:14	0°♏	
	6436 Sep 22 05:51	0°♐		desc. node	6437 Aug 27 11:47	4°♏24'00	
retrograde	6436 Oct 01 08:06	3°♐11'52		evening max el	6437 Aug 30 03:32	7°♏07'43	25°16'32
evening set	6436 Oct 08 01:30	1°♐19'29		retrograde	6437 Sep 13 01:24	14°♏10'08	
	6436 Oct 10 05:23	30°R♏		evening set	6437 Sep 18 20:33	12°♏53'01	
min. Earth dist.	6436 Oct 11 23:33	28°♏44'25	0.59612 AU	min. Earth dist.	6437 Sep 23 15:06	10°♏12'59	0.57591 AU
inferior conj	6436 Oct 15 04:54	26°♏13'11	-4°40'49	inferior conj	6437 Sep 26 15:09	8°♏10'48	-5°18'41
minimum elong	6436 Oct 15 11:20	26°♏00'32	4°39'26	minimum elong	6437 Sep 26 18:26	8°♏05'12	5°18'24
morning rise	6436 Oct 22 23:20	21°♏36'24		morning rise	6437 Oct 04 18:37	3°♏57'20	
direct	6436 Oct 25 06:33	21°♏17'23		direct	6437 Oct 07 06:19	3°♏38'55	
asc. node	6436 Oct 31 22:39	24°♏06'52		morning max el	6437 Oct 16 02:34	7°♏51'01	19°00'46
morning max el	6436 Nov 01 23:59	25°♏04'16	18°16'24	asc. node	6437 Oct 18 19:39	10°♏48'05	
	6436 Nov 06 03:13	0°♐			6437 Oct 30 10:28	0°♐	
morning set	6436 Nov 17 20:09	20°♐17'12		morning set	6437 Nov 01 18:40	4°♐35'09	
	6436 Nov 22 23:18	0°♑					
superior conj	6436 Nov 27 03:40	7°♑44'05	1°04'58	superior conj	6437 Nov 10 02:54	20°♐57'36	1°26'12
minimum elong	6436 Nov 27 07:23	8°♑01'00	1°04'32	minimum elong	6437 Nov 10 05:53	21°♐11'52	1°25'57
max. Earth dist.	6436 Dec 04 18:04	21°♑07'43	1.41004 AU		6437 Nov 14 22:34	0°♑	
desc. node	6436 Dec 06 13:56	24°♑13'07		max. Earth dist.	6437 Nov 16 23:49	3°♑43'05	1.38875 AU
evening rise	6436 Dec 09 11:17	29°♑00'09		evening rise	6437 Nov 20 19:39	10°♑26'19	
	6436 Dec 10 01:58	0°♒		desc. node	6437 Nov 23 10:57	14°♑54'57	
	6436 Dec 30 01:12	0°♓			6437 Dec 02 21:49	0°♒	
evening max el	6437 Jan 12 15:17	16°♓41'31	23°15'14		6437 Dec 25 18:32	0°♓	
retrograde	6437 Jan 23 01:21	22°♓51'30		evening max el	6437 Dec 26 04:35	0°♓25'04	24°34'20
asc. node	6437 Jan 27 21:54	20°♓53'25		retrograde	6438 Jan 06 16:25	7°♓07'56	
evening set	6437 Jan 28 00:10	20°♓48'42		evening set	6438 Jan 12 04:08	4°♓50'39	
inferior conj	6437 Feb 02 09:46	14°♓23'23	1°44'45	asc. node	6438 Jan 14 18:56	2°♓08'23	
minimum elong	6437 Feb 02 07:42	14°♓30'31	1°44'03		6438 Jan 16 11:34	30°R♒	
min. Earth dist.	6437 Feb 01 23:08	14°♓59'58	0.68202 AU	min. Earth dist.	6438 Jan 16 18:52	29°♒35'56	0.67826 AU
morning rise	6437 Feb 07 15:10	8°♓16'52		inferior conj	6438 Jan 17 16:39	28°♒23'17	0°57'36
direct	6437 Feb 11 22:30	6°♓34'00		minimum elong	6438 Jan 17 15:20	28°♒27'43	0°57'07
morning max el	6437 Feb 20 11:01	11°♓29'19	21°11'24	morning rise	6438 Jan 23 02:41	22°♒23'08	
desc. node	6437 Mar 04 13:17	26°♓38'59		direct	6438 Jan 26 20:49	21°♒02'22	
	6437 Mar 06 21:50	0°♈		morning max el	6438 Feb 03 10:11	25°♒18'06	19°59'09
morning set	6437 Mar 23 08:54	24°♈50'01			6438 Feb 07 13:40	0°♓	
	6437 Mar 26 15:04	0°♉		desc. node	6438 Feb 19 10:16	16°♓37'47	
max. Earth dist.	6437 Mar 30 16:55	6°♉35'53	1.42465 AU		6438 Feb 28 06:12	0°♈	
				morning set	6438 Mar 02 06:12	3°♈04'37	
superior conj	6437 Apr 06 23:14	18°♉45'30	-2°06'19	max. Earth dist.	6438 Mar 13 02:53	20°♈05'35	1.44093 AU
minimum elong	6437 Apr 07 02:38	19°♉00'02	2°06'13				
	6437 Apr 13 09:47	0°♊		superior conj	6438 Mar 18 11:53	28°♈45'39	-2°09'23
evening rise	6437 Apr 18 09:53	8°♊58'29		minimum elong	6438 Mar 18 09:49	28°♈37'12	2°09'21
asc. node	6437 Apr 25 21:05	22°♊12'59			6438 Mar 19 06:06	0°♉	
	6437 Apr 30 19:31	0°II		evening rise	6438 Mar 31 15:21	20°♉48'38	
evening max el	6437 May 04 23:45	5°II04'49	18°07'07		6438 Apr 06 00:07	0°♊	
retrograde	6437 May 11 16:11	8°II29'17		asc. node	6438 Apr 12 18:08	10°♊57'24	
				evening max el	6438 Apr 18 12:45	18°♊20'39	18°10'04

retrograde	6438 Apr 24 22:32	21°♄43'04		evening max el	6439 Apr 02 01:00	1°♄47'32	18°31'34
evening set	6438 Apr 27 19:10	21°♄00'51		retrograde	6439 Apr 08 13:25	5°♄21'01	
inferior conj	6438 May 03 22:33	15°♄46'00	3°15'15	evening set	6439 Apr 11 16:46	4°♄25'46	
minimum elong	6438 May 04 00:24	15°♄40'58	3°14'59		6439 Apr 16 12:16	30°♄	
min. Earth dist.	6438 May 06 16:22	12°♄49'21	0.62885 AU	inferior conj	6439 Apr 17 10:53	28°♄53'19	3°28'18
morning rise	6438 May 10 04:13	9°♄38'17		minimum elong	6439 Apr 17 11:14	28°♄52'16	3°28'16
direct	6438 May 16 23:46	7°♄03'31		min. Earth dist.	6439 Apr 19 13:39	26°♄22'25	0.64781 AU
desc. node	6438 May 18 09:37	7°♄09'38		morning rise	6439 Apr 23 04:57	22°♄39'16	
morning max el	6438 May 31 00:10	15°♄05'21	27°50'24	direct	6439 Apr 29 21:37	19°♄51'39	
	6438 Jun 12 03:24	0°♄		desc. node	6439 May 05 06:37	21°♄21'13	
	6438 Jun 30 04:20	0°♄		morning max el	6439 May 13 09:57	27°♄47'23	27°17'03
morning set	6438 Jul 04 06:04	7°♄58'56			6439 May 15 12:18	0°♄	
max. Earth dist.	6438 Jul 09 14:02	19°♄04'06	1.32498 AU		6439 Jun 05 20:55	0°♄	
asc. node	6438 Jul 09 17:21	19°♄21'50		morning set	6439 Jun 17 20:13	21°♄35'07	
					6439 Jun 22 01:23	0°♄	
superior conj	6438 Jul 11 22:08	24°♄06'13	0°22'34	max. Earth dist.	6439 Jun 22 11:05	0°♄49'38	1.33522 AU
minimum elong	6438 Jul 11 21:05	24°♄00'32	0°22'17				
	6438 Jul 14 15:07	0°♄		superior conj	6439 Jun 26 01:57	8°♄22'37	-0°05'21
evening rise	6438 Jul 18 20:21	9°♄07'38		minimum elong	6439 Jun 26 02:13	8°♄24'05	0°05'20
	6438 Jul 29 14:20	0°♄		behind sun begin	6439 Jun 25 20:59	7°♄56'20	
evening max el	6438 Aug 11 15:41	17°♄33'07	23°42'06	behind sun end	6439 Jun 26 07:28	8°♄51'52	
desc. node	6438 Aug 14 08:50	19°♄56'42		asc. node	6439 Jun 26 14:24	9°♄28'34	
retrograde	6438 Aug 25 07:04	24°♄23'49		evening rise	6439 Jul 03 07:26	23°♄46'37	
evening set	6438 Aug 29 15:42	23°♄42'03			6439 Jul 06 07:31	0°♄	
min. Earth dist.	6438 Sep 05 01:44	20°♄38'27	0.55912 AU	evening max el	6439 Jul 24 06:08	27°♄52'54	22°04'39
inferior conj	6438 Sep 07 05:09	19°♄21'15	-5°20'04		6439 Jul 26 15:06	0°♄	
minimum elong	6438 Sep 07 01:55	19°♄26'07	5°19'51	desc. node	6439 Aug 01 05:52	3°♄19'49	
morning rise	6438 Sep 15 14:33	15°♄26'29		retrograde	6439 Aug 06 00:47	4°♄13'30	
direct	6438 Sep 18 10:18	15°♄06'34		evening set	6439 Aug 08 22:16	3°♄54'52	
morning max el	6438 Sep 28 17:52	19°♄55'20	20°07'15	min. Earth dist.	6439 Aug 17 11:19	0°♄13'50	0.54910 AU
asc. node	6438 Oct 05 16:40	28°♄28'45			6439 Aug 17 21:10	30°♄	
	6438 Oct 06 16:16	0°♄		inferior conj	6439 Aug 18 03:06	29°♄51'40	-4°30'03
morning set	6438 Oct 16 23:43	19°♄10'37		minimum elong	6439 Aug 17 18:24	0°♄03'54	4°28'05
	6438 Oct 22 06:30	0°♄		morning rise	6439 Aug 26 16:06	26°♄02'10	
				direct	6439 Aug 29 23:04	25°♄38'06	
superior conj	6438 Oct 24 15:57	4°♄50'58	1°38'21		6439 Sep 09 11:31	0°♄	
minimum elong	6438 Oct 24 17:33	4°♄58'58	1°38'17	morning max el	6439 Sep 10 20:44	1°♄12'54	21°34'27
max. Earth dist.	6438 Oct 30 05:40	15°♄44'57	1.36792 AU	asc. node	6439 Sep 22 13:42	16°♄55'35	
evening rise	6438 Nov 03 01:09	22°♄49'35			6439 Sep 29 10:54	0°♄	
	6438 Nov 07 02:23	0°♄		morning set	6439 Oct 01 08:54	3°♄57'15	
desc. node	6438 Nov 10 07:58	5°♄28'24					
	6438 Nov 26 16:24	0°♄		superior conj	6439 Oct 08 14:48	19°♄12'30	1°42'35
evening max el	6438 Dec 08 17:15	14°♄10'07	25°46'22	minimum elong	6439 Oct 08 14:57	19°♄13'18	1°42'37
retrograde	6438 Dec 21 02:52	21°♄15'45		max. Earth dist.	6439 Oct 12 17:18	27°♄37'37	1.34972 AU
evening set	6438 Dec 27 03:43	18°♄46'28			6439 Oct 13 21:51	0°♄	
min. Earth dist.	6438 Dec 31 11:21	14°♄06'16	0.67086 AU	evening rise	6439 Oct 17 00:04	6°♄00'48	
inferior conj	6439 Jan 01 20:19	12°♄21'57	0°03'40	desc. node	6439 Oct 28 05:02	25°♄48'37	
minimum elong	6439 Jan 01 20:13	12°♄22'16	0°03'41		6439 Oct 30 19:51	0°♄	
transit middle	6439 Jan 01 20:13	12°♄22'16	0°03'41	evening max el	6439 Nov 21 06:19	27°♄52'05	26°43'50
transit begin	6439 Jan 01 17:28	12°♄30'59			6439 Nov 23 14:44	0°♄	
transit end	6439 Jan 01 22:58	12°♄13'33		retrograde	6439 Dec 04 07:59	5°♄08'42	
asc. node	6439 Jan 01 15:58	12°♄35'44		evening set	6439 Dec 10 21:02	2°♄31'55	
morning rise	6439 Jan 07 13:12	6°♄30'03			6439 Dec 13 12:57	30°♄	
direct	6439 Jan 10 19:40	5°♄28'42		min. Earth dist.	6439 Dec 14 22:20	28°♄26'33	0.65993 AU
morning max el	6439 Jan 17 17:05	9°♄16'40	19°01'33	inferior conj	6439 Dec 16 18:45	26°♄15'42	-0°56'06
	6439 Feb 01 19:48	0°♄		minimum elong	6439 Dec 16 20:20	26°♄11'02	0°55'23
desc. node	6439 Feb 06 07:15	6°♄55'08		asc. node	6439 Dec 19 12:59	23°♄11'01	
morning set	6439 Feb 09 10:35	11°♄47'57		morning rise	6439 Dec 22 20:32	20°♄34'35	
	6439 Feb 21 02:32	0°♄		direct	6439 Dec 25 17:20	19°♄48'59	
max. Earth dist.	6439 Feb 23 18:20	4°♄10'18	1.45110 AU	morning max el	6440 Jan 01 06:03	23°♄20'14	18°20'09
					6440 Jan 06 16:21	0°♄	
superior conj	6439 Feb 26 01:33	7°♄47'41	-1°53'10	morning set	6440 Jan 20 17:20	21°♄53'40	
minimum elong	6439 Feb 25 17:17	7°♄15'04	1°52'33	desc. node	6440 Jan 24 04:17	27°♄26'11	
	6439 Mar 11 21:50	0°♄			6440 Jan 25 18:48	0°♄	
evening rise	6439 Mar 12 22:29	1°♄40'33					
asc. node	6439 Mar 30 15:11	29°♄04'23		superior conj	6440 Feb 05 05:17	16°♄30'00	-1°18'13
	6439 Mar 31 09:38	0°♄		minimum elong	6440 Feb 04 20:23	15°♄55'04	1°17'11

max. Earth dist.	6440 Feb 06 13:14	18° \approx 35'14	1.45411 AU	evening rise	6441 Jan 30 21:32	20° \approx 59'55	
	6440 Feb 13 20:19	0° \mathbb{H}			6441 Feb 05 18:48	0° \mathbb{H}	
evening rise	6440 Feb 21 06:33	11° \mathbb{H} 37'58		greatest brilliancy	6441 Feb 14 13:58	13° \mathbb{H} 11'12	-0.6m
greatest brilliancy	6440 Mar 03 00:46	28° \mathbb{H} 26'30	-0.8m	evening max el	6441 Feb 26 14:41	28° \mathbb{H} 56'13	20°05'05
	6440 Mar 04 01:12	0° \mathbb{Y}			6441 Feb 27 16:50	0° \mathbb{Y}	
evening max el	6440 Mar 15 10:14	15° \mathbb{Y} 20'33	19°10'28	asc. node	6441 Mar 03 09:16	2° \mathbb{Y} 40'10	
asc. node	6440 Mar 16 12:14	16° \mathbb{Y} 23'07		retrograde	6441 Mar 06 07:25	3° \mathbb{Y} 24'46	
retrograde	6440 Mar 22 09:17	19° \mathbb{Y} 16'41		evening set	6441 Mar 10 02:28	2° \mathbb{Y} 01'02	
evening set	6440 Mar 25 19:59	18° \mathbb{Y} 07'32			6441 Mar 12 06:38	30° \mathbb{R} \mathbb{H}	
inferior conj	6440 Mar 31 08:07	12° \mathbb{Y} 19'00	3°25'16	inferior conj	6441 Mar 15 11:19	25° \mathbb{H} 58'22	3°09'35
minimum elong	6440 Mar 31 07:11	12° \mathbb{Y} 22'02	3°25'10	minimum elong	6441 Mar 15 09:29	26° \mathbb{H} 04'34	3°09'17
min. Earth dist.	6440 Apr 01 19:27	10° \mathbb{Y} 25'40	0.66292 AU	min. Earth dist.	6441 Mar 16 08:12	24° \mathbb{H} 47'55	0.67367 AU
morning rise	6440 Apr 05 18:00	6° \mathbb{Y} 03'07		morning rise	6441 Mar 20 16:18	19° \mathbb{H} 43'05	
direct	6440 Apr 12 02:05	3° \mathbb{Y} 15'49		direct	6441 Mar 26 12:05	17° \mathbb{H} 06'57	
desc. node	6440 Apr 21 03:38	7° \mathbb{Y} 27'27		morning max el	6441 Apr 07 05:02	24° \mathbb{H} 07'10	24°55'19
morning max el	6440 Apr 24 19:55	10° \mathbb{Y} 51'06	26°15'33	desc. node	6441 Apr 08 00:40	24° \mathbb{H} 57'47	
	6440 May 10 00:51	0° \mathbb{B}			6441 Apr 12 11:18	0° \mathbb{Y}	
	6440 May 28 10:50	0° \mathbb{II}			6441 May 03 10:54	0° \mathbb{B}	
morning set	6440 May 30 21:58	4° \mathbb{II} 32'00		morning set	6441 May 13 06:35	16° \mathbb{B} 36'46	
max. Earth dist.	6440 Jun 03 21:13	12° \mathbb{II} 06'30	1.35025 AU	max. Earth dist.	6441 May 16 21:31	23° \mathbb{B} 10'24	1.36948 AU
					6441 May 20 12:45	0° \mathbb{II}	
superior conj	6440 Jun 08 22:45	22° \mathbb{II} 14'10	-0°35'24				
minimum elong	6440 Jun 09 00:44	22° \mathbb{II} 24'20	0°35'02	superior conj	6441 May 23 09:32	5° \mathbb{II} 32'55	-1°06'01
asc. node	6440 Jun 12 11:27	29° \mathbb{II} 31'33		minimum elong	6441 May 23 13:22	5° \mathbb{II} 51'39	1°05'24
	6440 Jun 12 16:55	0° \mathbb{E}		asc. node	6441 May 30 08:30	19° \mathbb{II} 26'49	
evening rise	6440 Jun 16 15:51	8° \mathbb{E} 13'32		evening rise	6441 May 31 19:17	22° \mathbb{II} 21'45	
	6440 Jun 28 10:02	0° \mathbb{O}			6441 Jun 04 16:10	0° \mathbb{E}	
evening max el	6440 Jul 05 06:32	8° \mathbb{O} 38'26	20°37'56	evening max el	6441 Jun 17 19:42	20° \mathbb{E} 05'39	19°29'31
retrograde	6440 Jul 16 12:52	14° \mathbb{O} 11'04		retrograde	6441 Jun 27 08:42	24° \mathbb{E} 46'46	
desc. node	6440 Jul 18 02:54	14° \mathbb{O} 04'54		evening set	6441 Jun 29 06:17	24° \mathbb{E} 36'26	
evening set	6440 Jul 18 14:07	14° \mathbb{O} 00'48		desc. node	6441 Jul 04 23:56	22° \mathbb{E} 19'39	
inferior conj	6440 Jul 27 20:08	10° \mathbb{O} 03'55	-2°51'48	inferior conj	6441 Jul 07 22:55	20° \mathbb{E} 30'37	-0°53'36
minimum elong	6440 Jul 27 12:24	10° \mathbb{O} 15'02	2°49'10	minimum elong	6441 Jul 07 20:31	20° \mathbb{E} 34'29	0°52'43
min. Earth dist.	6440 Jul 28 21:48	9° \mathbb{O} 27'07	0.54826 AU	min. Earth dist.	6441 Jul 10 10:43	18° \mathbb{E} 55'08	0.55691 AU
morning rise	6440 Aug 05 10:13	6° \mathbb{O} 00'22		morning rise	6441 Jul 16 08:11	15° \mathbb{E} 55'32	
direct	6440 Aug 09 08:24	5° \mathbb{O} 27'18		direct	6441 Jul 21 01:58	15° \mathbb{E} 05'04	
morning max el	6440 Aug 22 13:35	11° \mathbb{O} 49'33	23°16'14	morning max el	6441 Aug 04 02:44	22° \mathbb{E} 07'52	25°00'01
	6440 Sep 05 03:34	0° \mathbb{P}			6441 Aug 11 01:18	0° \mathbb{O}	
asc. node	6440 Sep 08 10:44	5° \mathbb{P} 56'42		asc. node	6441 Aug 26 07:47	25° \mathbb{O} 23'19	
morning set	6440 Sep 14 20:12	18° \mathbb{P} 48'25			6441 Aug 28 14:08	0° \mathbb{P}	
	6440 Sep 20 01:12	0° \mathbb{U}		morning set	6441 Aug 30 07:54	3° \mathbb{P} 39'18	
superior conj	6440 Sep 21 20:11	3° \mathbb{U} 51'43	1°40'03	superior conj	6441 Sep 06 05:38	18° \mathbb{P} 41'05	1°31'38
minimum elong	6440 Sep 21 19:08	3° \mathbb{U} 46'05	1°40'01	minimum elong	6441 Sep 06 03:46	18° \mathbb{P} 30'51	1°31'27
max. Earth dist.	6440 Sep 24 13:38	9° \mathbb{U} 40'11	1.33536 AU	max. Earth dist.	6441 Sep 07 17:51	21° \mathbb{P} 58'52	1.32528 AU
evening rise	6440 Sep 29 12:11	19° \mathbb{U} 47'52			6441 Sep 11 11:37	0° \mathbb{U}	
	6440 Oct 04 20:08	0° \mathbb{M}		evening rise	6441 Sep 13 09:59	4° \mathbb{U} 01'11	
desc. node	6440 Oct 14 02:05	15° \mathbb{M} 48'22			6441 Sep 27 13:22	0° \mathbb{M}	
	6440 Oct 23 21:12	0° \mathbb{J}		desc. node	6441 Sep 30 23:07	5° \mathbb{M} 19'07	
evening max el	6440 Nov 02 19:01	11° \mathbb{J} 19'50	27°19'31	evening max el	6441 Oct 16 05:17	24° \mathbb{M} 20'03	27°26'52
retrograde	6440 Nov 16 06:53	18° \mathbb{J} 38'10			6441 Oct 23 21:29	0° \mathbb{J}	
evening set	6440 Nov 23 05:42	16° \mathbb{J} 00'29		retrograde	6441 Oct 29 23:03	1° \mathbb{J} 35'22	
min. Earth dist.	6440 Nov 27 01:24	12° \mathbb{J} 29'15	0.64555 AU		6441 Nov 04 16:08	30° \mathbb{R} \mathbb{M}	
inferior conj	6440 Nov 29 09:35	9° \mathbb{J} 58'18	-2°00'21	evening set	6441 Nov 06 02:42	29° \mathbb{M} 06'00	
minimum elong	6440 Nov 29 13:11	9° \mathbb{J} 48'38	1°58'52	min. Earth dist.	6441 Nov 09 18:33	26° \mathbb{M} 05'00	0.62799 AU
asc. node	6440 Dec 05 10:01	4° \mathbb{J} 45'16		inferior conj	6441 Nov 12 14:00	23° \mathbb{M} 22'52	-3°06'25
morning rise	6440 Dec 05 22:01	4° \mathbb{J} 31'03		minimum elong	6441 Nov 12 19:34	23° \mathbb{M} 09'26	3°04'26
direct	6440 Dec 08 11:20	3° \mathbb{J} 57'21		morning rise	6441 Nov 19 14:14	18° \mathbb{M} 13'00	
morning max el	6440 Dec 14 22:29	7° \mathbb{J} 21'41	17°55'45	direct	6441 Nov 21 22:37	17° \mathbb{M} 47'34	
	6440 Dec 30 04:19	0° \mathbb{Z}		asc. node	6441 Nov 22 07:03	17° \mathbb{M} 48'09	
morning set	6441 Jan 01 05:22	3° \mathbb{Z} 26'04		morning max el	6441 Nov 28 15:23	21° \mathbb{M} 13'46	17°48'55
desc. node	6441 Jan 10 01:19	18° \mathbb{Z} 06'04			6441 Dec 05 07:00	0° \mathbb{J}	
				morning set	6441 Dec 14 17:10	16° \mathbb{J} 06'33	
superior conj	6441 Jan 14 18:55	25° \mathbb{Z} 45'57	-0°33'04		6441 Dec 22 16:18	0° \mathbb{Z}	
minimum elong	6441 Jan 14 15:00	25° \mathbb{Z} 30'15	0°32'28				
	6441 Jan 17 10:33	0° $\mathbb{\approx}$		superior conj	6441 Dec 26 08:07	6° \mathbb{Z} 11'43	0°11'25
max. Earth dist.	6441 Jan 19 08:55	3° $\mathbb{\approx}$ 03'39	1.44963 AU	minimum elong	6441 Dec 26 09:15	6° \mathbb{Z} 16'27	0°11'17

behind sun begin	6441 Dec 26 02:41	5°  48'58		minimum elong	6442 Dec 08 02:47	18°  08'13	0°47'46
behind sun end	6441 Dec 26 15:49	6°  43'54		desc. node	6442 Dec 14 19:20	29°  37'34	
desc. node	6441 Dec 27 22:19	8°  50'53			6442 Dec 15 00:42	0°  3	
max. Earth dist.	6442 Jan 02 01:59	17°  15'59	1.43825 AU	max. Earth dist.	6442 Dec 15 14:07	0°  55'55	1.42135 AU
evening rise	6442 Jan 10 08:41	0°  19'26		evening rise	6442 Dec 21 07:17	10°  13'58	
	6442 Jan 10 03:39	0°  19			6443 Jan 03 05:48	0°  19	
	6442 Jan 30 10:50	0°  19		evening max el	6443 Jan 23 07:22	26°  10'25	22°29'15
evening max el	6442 Feb 09 13:32	12°  32'19	21°12'42		6443 Jan 27 18:00	0°  19	
retrograde	6442 Feb 18 05:36	17°  40'07		retrograde	6443 Feb 02 02:07	1°  59'09	
asc. node	6442 Feb 18 06:18	17°  40'07		asc. node	6443 Feb 05 03:19	1°  11'02	
evening set	6442 Feb 22 10:17	16°  01'19		evening set	6443 Feb 06 17:49	0°  05'09	
inferior conj	6442 Feb 27 18:03	9°  47'02	2°43'32		6443 Feb 06 20:17	30°  19	
minimum elong	6442 Feb 27 15:46	9°  54'59	2°42'58	inferior conj	6443 Feb 12 02:18	23°  42'36	2°08'34
min. Earth dist.	6442 Feb 28 01:51	9°  20'01	0.68008 AU	minimum elong	6443 Feb 12 00:01	23°  50'32	2°07'52
morning rise	6442 Mar 04 21:05	3°  33'56		min. Earth dist.	6443 Feb 11 22:12	23°  56'52	0.68239 AU
direct	6442 Mar 10 02:46	1°  16'07		morning rise	6443 Feb 17 06:06	17°  33'02	
morning max el	6442 Mar 20 14:09	7°  29'56	23°26'25	direct	6443 Feb 21 21:23	15°  37'08	
desc. node	6442 Mar 25 21:40	13°  28'01		morning max el	6443 Mar 03 02:16	21°  00'26	21°58'26
	6442 Apr 07 02:54	0°  19			6443 Mar 10 17:53	0°  19	
morning set	6442 Apr 24 16:15	27°  33'47		desc. node	6443 Mar 12 18:40	2°  41'36	
	6442 Apr 26 02:41	0°  19			6443 Mar 31 09:05	0°  19	
max. Earth dist.	6442 Apr 28 17:16	4°  30'21	1.39129 AU	morning set	6443 Apr 04 22:10	7°  12'13	
				max. Earth dist.	6443 Apr 10 15:26	16°  34'31	1.41315 AU
superior conj	6442 May 06 06:25	18°  08'30	-1°34'42				
minimum elong	6442 May 06 11:36	18°  32'41	1°34'05	superior conj	6443 Apr 18 08:51	29°  50'52	-1°57'40
	6442 May 12 11:56	0°  19		minimum elong	6443 Apr 18 13:46	0°  12'33	1°57'21
evening rise	6442 May 15 14:50	6°  02'47			6443 Apr 18 10:55	0°  19	
asc. node	6442 May 17 05:31	9°  09'21		evening rise	6443 Apr 28 23:01	19°  08'07	
	6442 May 29 18:56	0°  19		asc. node	6443 May 04 02:32	28°  34'20	
evening max el	6442 May 31 19:58	2°  13'54	18°41'38		6443 May 04 21:47	0°  19	
retrograde	6442 Jun 08 21:38	6°  13'02		evening max el	6443 May 15 04:01	14°  55'59	18°14'05
evening set	6442 Jun 11 00:11	5°  57'42		retrograde	6443 May 22 05:13	18°  28'18	
inferior conj	6442 Jun 18 21:12	1°  34'17	0°52'17	evening set	6443 May 24 15:04	18°  24'15	
minimum elong	6442 Jun 18 23:06	1°  30'43	0°51'34	inferior conj	6443 May 31 17:03	13°  20'38	2°09'58
	6442 Jun 20 23:25	30°  19		minimum elong	6443 May 31 20:21	13°  13'24	2°09'01
desc. node	6442 Jun 21 20:58	29°  20'32		min. Earth dist.	6443 Jun 04 02:43	10°  23'30	0.59439 AU
min. Earth dist.	6442 Jun 22 03:47	29°  08'19	0.57331 AU	morning rise	6443 Jun 07 22:41	7°  23'54	
morning rise	6442 Jun 26 18:35	26°  22'16		desc. node	6443 Jun 08 17:59	7°  23'36	
direct	6442 Jul 02 09:39	25°  03'55		direct	6443 Jun 14 07:16	5°  27'00	
	6442 Jul 13 20:11	0°  19		morning max el	6443 Jun 28 16:19	13°  23'18	27°30'00
morning max el	6442 Jul 16 18:32	2°  36'40	26°29'28		6443 Jul 11 17:29	0°  19	
	6442 Aug 05 09:06	0°  19			6443 Jul 28 15:22	0°  19	
asc. node	6442 Aug 13 04:49	15°  07'55		morning set	6443 Jul 30 01:59	2°  05'13	
morning set	6442 Aug 14 18:24	18°  02'45		asc. node	6443 Jul 31 01:49	5°  04'38	
	6442 Aug 20 02:24	0°  19		max. Earth dist.	6443 Aug 05 13:52	17°  01'46	1.31813 AU
superior conj	6442 Aug 21 17:07	3°  34'04	1°18'01	superior conj	6443 Aug 06 04:49	18°  02'25	0°59'43
minimum elong	6442 Aug 21 14:52	3°  21'36	1°17'41	minimum elong	6443 Aug 06 02:39	18°  02'25	0°59'17
max. Earth dist.	6442 Aug 22 03:06	4°  09'14	1.31951 AU		6443 Aug 11 11:20	0°  19	
evening rise	6442 Aug 28 14:33	18°  09'25		evening rise	6443 Aug 12 23:30	3°  09'09	
	6442 Sep 03 07:01	0°  19			6443 Aug 27 05:09	0°  19	
desc. node	6442 Sep 17 20:09	24°  09'21		desc. node	6443 Sep 04 17:11	12°  02'11	
	6442 Sep 22 07:16	0°  19		evening max el	6443 Sep 10 08:45	18°  02'15	26°03'02
evening max el	6442 Sep 28 10:36	6°  40'29	27°01'29	retrograde	6443 Sep 24 07:42	25°  08'26	
retrograde	6442 Oct 12 07:52	13°  51'30		evening set	6443 Sep 30 17:04	23°  04'24	
evening set	6442 Oct 19 08:08	11°  42'00		min. Earth dist.	6443 Oct 04 21:38	21°  05'23	0.58722 AU
min. Earth dist.	6442 Oct 23 01:00	9°  01'50	0.60801 AU	inferior conj	6443 Oct 08 02:17	18°  04'10	-5°00'15
inferior conj	6442 Oct 26 04:45	6°  21'31	-4°09'20	minimum elong	6443 Oct 08 07:51	18°  03'52	4°59'20
minimum elong	6442 Oct 26 11:27	6°  07'17	4°07'29	morning rise	6443 Oct 16 00:56	14°  01'28	
morning rise	6442 Nov 02 16:55	1°  32'16		direct	6443 Oct 18 09:20	13°  05'08	
direct	6442 Nov 04 23:23	1°  11'51		morning max el	6443 Oct 26 13:22	17°  05'52	18°32'38
asc. node	6442 Nov 09 04:06	2°  24'57		asc. node	6443 Oct 27 01:08	18°  04'56	
morning max el	6442 Nov 12 05:32	4°  48'39	18°00'43		6443 Nov 04 07:04	0°  19	
morning set	6442 Nov 27 22:22	29°  36'22		morning set	6443 Nov 11 15:44	13°  39'46	
	6442 Nov 28 03:29	0°  19			6443 Nov 20 04:31	0°  19	
superior conj	6442 Dec 07 23:19	17°  52'53	0°48'13	superior conj	6443 Nov 20 12:21	0°  36'33	1°15'09

minimum elong	6443 Nov 20 15:53	0° ♄ 53'01	1°14'46	superior conj	6444 Nov 02 18:03	14° ♄ 08'21	1°32'22
max. Earth dist.	6443 Nov 27 21:17	13° ♄ 53'25	1.40104 AU	minimum elong	6444 Nov 02 20:28	14° ♄ 20'14	1°32'13
desc. node	6443 Dec 01 16:21	20° ♄ 22'04		max. Earth dist.	6444 Nov 09 02:35	26° ♄ 12'37	1.37977 AU
evening rise	6443 Dec 02 02:39	21° ♄ 05'09			6444 Nov 11 04:41	0° ♄	
	6443 Dec 07 14:03	0° ♄		evening rise	6444 Nov 12 20:28	2° ♄ 56'47	
	6443 Dec 28 08:51	0° ♄		desc. node	6444 Nov 17 13:23	11° ♄ 00'46	
evening max el	6444 Jan 05 21:48	9° ♄ 51'44	23°49'21		6444 Nov 29 17:10	0° ♄	
retrograde	6444 Jan 16 19:26	16° ♄ 17'08		evening max el	6444 Dec 18 10:52	23° ♄ 36'40	25°06'19
evening set	6444 Jan 21 23:31	14° ♄ 08'14			6444 Dec 27 12:15	0° ♄	
asc. node	6444 Jan 23 00:22	13° ♄ 10'30		retrograde	6444 Dec 30 08:29	0° ♄ 29'55	
inferior conj	6444 Jan 27 10:12	7° ♄ 41'25	1°25'39		6445 Jan 02 00:37	30° ♄	
minimum elong	6444 Jan 27 08:23	7° ♄ 47'36	1°25'01	evening set	6445 Jan 05 01:48	28° ♄ 07'24	
min. Earth dist.	6444 Jan 26 18:53	8° ♄ 33'37	0.68084 AU	asc. node	6445 Jan 08 21:25	23° ♄ 58'52	
morning rise	6444 Feb 01 17:15	1° ♄ 37'06		min. Earth dist.	6445 Jan 09 13:31	23° ♄ 07'11	0.67559 AU
direct	6444 Feb 05 18:49	0° ♄ 03'44		inferior conj	6445 Jan 10 15:57	21° ♄ 40'49	0°35'32
morning max el	6444 Feb 13 20:42	4° ♄ 41'12	20°38'57	minimum elong	6445 Jan 10 15:05	21° ♄ 43'39	0°35'14
desc. node	6444 Feb 27 15:39	22° ♄ 26'08		morning rise	6445 Jan 16 04:37	15° ♄ 43'46	
	6444 Mar 03 19:17	0° ♄		direct	6445 Jan 19 17:40	14° ♄ 31'27	
morning set	6444 Mar 14 02:45	15° ♄ 42'18		morning max el	6445 Jan 26 23:09	18° ♄ 33'36	19°32'41
max. Earth dist.	6444 Mar 22 20:39	29° ♄ 33'43	1.43222 AU		6445 Feb 05 01:19	0° ♄	
	6444 Mar 23 03:09	0° ♄		greatest brilliancy	6445 Feb 08 21:53	5° ♄ 37'11	-0.7m
				desc. node	6445 Feb 13 12:39	12° ♄ 33'16	
superior conj	6444 Mar 29 12:09	10° ♄ 29'41	-2°09'44	morning set	6445 Feb 20 23:50	23° ♄ 59'21	
minimum elong	6444 Mar 29 13:38	10° ♄ 35'52	2°09'43		6445 Feb 24 21:03	0° ♄	
	6444 Apr 09 19:36	0° ♄		max. Earth dist.	6445 Mar 05 09:29	13° ♄ 20'54	1.44613 AU
evening rise	6444 Apr 10 15:31	1° ♄ 27'51					
asc. node	6444 Apr 19 23:35	17° ♄ 35'36		superior conj	6445 Mar 09 14:12	20° ♄ 02'06	-2°05'01
evening max el	6444 Apr 27 16:14	28° ♄ 02'21	18°06'08	minimum elong	6445 Mar 09 09:12	19° ♄ 42'05	2°04'48
	6444 Apr 30 00:57	0° ♄			6445 Mar 15 17:41	0° ♄	
retrograde	6444 May 04 04:30	1° ♄ 23'52		evening rise	6445 Mar 23 11:48	12° ♄ 53'00	
evening set	6444 May 06 21:25	0° ♄ 48'37			6445 Apr 02 19:26	0° ♄	
	6444 May 08 09:53	30° ♄		asc. node	6445 Apr 06 20:38	6° ♄ 04'57	
inferior conj	6444 May 13 07:51	25° ♄ 44'52	2°58'34	evening max el	6445 Apr 11 05:17	11° ♄ 23'34	18°17'03
minimum elong	6444 May 13 10:31	25° ♄ 38'11	2°58'02	retrograde	6445 Apr 17 14:56	14° ♄ 48'53	
min. Earth dist.	6444 May 16 09:19	22° ♄ 41'29	0.61666 AU	evening set	6445 Apr 20 14:32	14° ♄ 01'03	
morning rise	6444 May 19 21:42	19° ♄ 44'16		inferior conj	6445 Apr 26 13:29	8° ♄ 38'26	3°23'02
desc. node	6444 May 25 14:59	17° ♄ 25'34		minimum elong	6445 Apr 26 14:43	8° ♄ 34'59	3°22'54
direct	6444 May 26 15:51	17° ♄ 22'20		min. Earth dist.	6445 Apr 29 01:02	5° ♄ 51'08	0.63734 AU
morning max el	6444 Jun 09 20:18	25° ♄ 22'19	27°53'51	morning rise	6445 May 02 13:51	2° ♄ 27'35	
	6444 Jun 14 02:20	0° ♄			6445 May 07 08:02	30° ♄	
	6444 Jul 04 04:35	0° ♄		direct	6445 May 09 09:03	29° ♄ 45'58	
morning set	6444 Jul 13 04:47	17° ♄ 17'10			6445 May 11 11:42	0° ♄	
asc. node	6444 Jul 16 22:50	25° ♄ 08'50		desc. node	6445 May 12 12:00	0° ♄ 16'08	
max. Earth dist.	6444 Jul 18 22:27	29° ♄ 25'30	1.32120 AU	morning max el	6445 May 23 04:45	7° ♄ 45'46	27°40'16
	6444 Jul 19 04:48	0° ♄			6445 Jun 09 07:27	0° ♄	
					6445 Jun 26 10:07	0° ♄	
superior conj	6444 Jul 20 15:00	3° ♄ 06'41	0°37'13	morning set	6445 Jun 27 00:22	1° ♄ 10'37	
minimum elong	6444 Jul 20 13:24	2° ♄ 57'55	0°36'51	max. Earth dist.	6445 Jul 02 01:00	11° ♄ 28'21	1.32881 AU
evening rise	6444 Jul 27 10:48	18° ♄ 00'12		asc. node	6445 Jul 03 19:52	15° ♄ 15'28	
	6444 Aug 02 07:29	0° ♄					
desc. node	6444 Aug 21 14:13	28° ♄ 34'55		superior conj	6445 Jul 04 21:43	17° ♄ 33'54	0°11'06
evening max el	6444 Aug 21 23:43	28° ♄ 57'56	24°37'56	minimum elong	6445 Jul 04 21:10	17° ♄ 31'00	0°10'56
	6444 Aug 23 02:30	0° ♄		behind sun begin	6445 Jul 04 17:14	17° ♄ 09'53	
retrograde	6444 Sep 04 20:07	5° ♄ 56'16		behind sun end	6445 Jul 05 01:06	17° ♄ 52'07	
evening set	6444 Sep 10 01:32	4° ♄ 55'15			6445 Jul 10 15:55	0° ♄	
min. Earth dist.	6444 Sep 15 10:54	2° ♄ 07'01	0.56816 AU	evening rise	6445 Jul 11 22:31	2° ♄ 43'22	
inferior conj	6444 Sep 18 03:57	0° ♄ 22'40	-5°24'49		6445 Jul 26 20:21	0° ♄	
minimum elong	6444 Sep 18 04:45	0° ♄ 21'22	5°24'49	evening max el	6445 Aug 03 11:48	9° ♄ 16'24	23°00'02
	6444 Sep 18 18:04	30° ♄		desc. node	6445 Aug 08 11:16	13° ♄ 16'42	
morning rise	6444 Sep 26 10:14	26° ♄ 17'42		retrograde	6445 Aug 16 19:54	15° ♄ 56'18	
direct	6444 Sep 29 00:59	25° ♄ 58'51		evening set	6445 Aug 20 13:00	15° ♄ 26'10	
	6444 Oct 08 00:21	0° ♄		min. Earth dist.	6445 Aug 27 20:21	12° ♄ 08'30	0.55395 AU
morning max el	6444 Oct 08 11:26	0° ♄ 25'33	19°26'15	inferior conj	6445 Aug 29 10:11	11° ♄ 13'55	-5°05'33
asc. node	6444 Oct 12 22:09	5° ♄ 33'19		minimum elong	6445 Aug 29 04:05	11° ♄ 22'44	5°04'42
morning set	6444 Oct 25 17:25	28° ♄ 06'16		morning rise	6445 Sep 06 21:21	7° ♄ 23'41	
	6444 Oct 26 16:06	0° ♄		direct	6445 Sep 09 21:50	7° ♄ 02'13	
				morning max el	6445 Sep 20 21:17	12° ♄ 09'11	20°42'00

asc. node	6445 Sep 29 19:11	23° \cap 34'45			6446 Sep 08 20:52	0° \cap	
	6445 Oct 03 12:27	0° Ω		asc. node	6446 Sep 16 16:13	12° \cap 16'57	
morning set	6445 Oct 10 00:31	12° Ω 47'10		morning set	6446 Sep 24 10:47	27° \cap 36'03	
					6446 Sep 25 14:05	0° Ω	
superior conj	6445 Oct 17 11:43	28° Ω 14'39	1°41'01	superior conj	6446 Oct 01 13:40	12° Ω 44'31	1°42'17
minimum elong	6445 Oct 17 12:41	28° Ω 19'35	1°41'01	minimum elong	6446 Oct 01 13:16	12° Ω 42'25	1°42'18
	6445 Oct 18 08:24	0° \cap		max. Earth dist.	6446 Oct 05 01:49	20° Ω 03'28	1.34308 AU
max. Earth dist.	6445 Oct 22 10:43	8° \cap 09'01	1.35982 AU	evening rise	6446 Oct 09 14:49	29° Ω 08'17	
evening rise	6445 Oct 26 09:52	15° \cap 41'13			6446 Oct 10 01:30	0° \cap	
	6445 Nov 03 12:58	0° \nearrow		desc. node	6446 Oct 22 07:30	21° \cap 41'14	
desc. node	6445 Nov 04 10:27	1° \nearrow 29'07			6446 Oct 27 16:28	0° \nearrow	
	6445 Nov 24 06:37	0° \searrow		evening max el	6446 Nov 13 12:35	20° \nearrow 57'31	27°02'03
evening max el	6445 Nov 30 23:46	7° \searrow 21'22	26°12'59	retrograde	6446 Nov 26 19:11	28° \nearrow 16'18	
retrograde	6445 Dec 13 16:36	14° \searrow 32'16		evening set	6446 Dec 03 12:57	25° \nearrow 37'48	
evening set	6445 Dec 19 22:58	11° \searrow 59'01		min. Earth dist.	6446 Dec 07 11:36	21° \nearrow 47'29	0.65421 AU
min. Earth dist.	6445 Dec 24 03:51	7° \searrow 33'53	0.66669 AU	inferior conj	6446 Dec 09 13:09	19° \nearrow 26'52	-1°22'58
inferior conj	6445 Dec 25 17:40	5° \searrow 37'39	-0°21'00	minimum elong	6446 Dec 09 15:34	19° \nearrow 20'00	1°21'55
minimum elong	6445 Dec 25 18:13	5° \searrow 35'55	0°20'44	asc. node	6446 Dec 13 15:30	15° \nearrow 16'41	
asc. node	6445 Dec 26 18:27	4° \searrow 22'12		morning rise	6446 Dec 15 19:18	13° \nearrow 51'35	
	6445 Dec 31 07:37	30° \searrow		direct	6446 Dec 18 12:35	13° \nearrow 11'38	
morning rise	6445 Dec 31 14:06	29° \nearrow 50'11		morning max el	6446 Dec 24 23:50	16° \nearrow 38'45	18°07'43
direct	6446 Jan 03 16:18	28° \nearrow 55'55			6447 Jan 03 19:06	0° \searrow	
	6446 Jan 07 03:49	0° \searrow		morning set	6447 Jan 12 09:40	13° \searrow 58'10	
morning max el	6446 Jan 10 08:58	2° \searrow 35'04	18°41'57	desc. node	6447 Jan 18 06:42	23° \searrow 32'03	
	6446 Jan 29 12:41	0° \approx			6447 Jan 22 07:16	0° \approx	
desc. node	6446 Jan 31 09:40	2° \approx 57'00		superior conj	6447 Jan 27 02:56	7° \approx 39'12	-0°59'38
morning set	6446 Jan 31 14:10	3° \approx 14'43		minimum elong	6447 Jan 26 19:48	7° \approx 10'59	0°58'40
max. Earth dist.	6446 Feb 16 03:23	27° \approx 38'33	1.45329 AU	max. Earth dist.	6447 Jan 29 22:47	12° \approx 06'11	1.45304 AU
					6447 Feb 10 10:17	0° H	
superior conj	6446 Feb 16 21:22	28° \approx 49'01	-1°40'17	evening rise	6447 Feb 12 08:33	2° H 59'33	
minimum elong	6446 Feb 16 11:54	28° \approx 11'55	1°39'24	greatest brilliancy	6447 Feb 25 01:59	22° H 33'00	-0.7m
	6446 Feb 17 15:27	0° H			6447 Mar 02 04:38	0° Y	
evening rise	6446 Mar 04 08:58	23° H 21'00		evening max el	6447 Mar 08 23:43	8° Y 26'48	19°31'53
	6446 Mar 08 12:26	0° Y		asc. node	6447 Mar 11 14:44	10° Y 46'42	
greatest brilliancy	6446 Mar 11 22:16	5° Y 27'16	-0.9m	retrograde	6447 Mar 16 05:41	12° Y 36'10	
asc. node	6446 Mar 24 17:41	23° Y 52'53		evening set	6447 Mar 19 19:42	11° Y 21'00	
evening max el	6446 Mar 25 16:29	24° Y 53'20	18°46'02	inferior conj	6447 Mar 25 06:08	5° Y 26'03	3°19'59
retrograde	6446 Apr 01 08:29	28° Y 35'17		minimum elong	6447 Mar 25 04:45	5° Y 30'35	3°19'49
evening set	6446 Apr 04 14:52	27° Y 34'07		min. Earth dist.	6447 Mar 26 11:09	3° Y 50'31	0.66799 AU
inferior conj	6446 Apr 10 06:02	21° Y 54'18	3°28'45		6447 Mar 29 16:43	30° R H	
minimum elong	6446 Apr 10 05:48	21° Y 55'02	3°28'44	morning rise	6447 Mar 30 13:31	29° H 09'53	
min. Earth dist.	6446 Apr 12 02:03	19° Y 38'38	0.65470 AU	direct	6447 Apr 05 16:34	26° H 26'13	
morning rise	6446 Apr 15 20:12	15° Y 39'00			6447 Apr 13 19:42	0° Y	
direct	6446 Apr 22 09:39	12° Y 50'23		desc. node	6447 Apr 16 06:01	2° Y 05'07	
desc. node	6446 Apr 29 09:01	15° Y 20'24		morning max el	6447 Apr 18 00:53	3° Y 49'10	25°43'06
morning max el	6446 May 05 15:07	20° Y 39'07	26°53'57		6447 May 08 00:07	0° B	
	6446 May 13 16:25	0° B		morning set	6447 May 24 04:51	27° B 07'25	
	6446 Jun 02 10:30	0° II			6447 May 25 18:16	0° II	
morning set	6446 Jun 10 09:45	14° II 31'15		max. Earth dist.	6447 May 27 23:17	4° II 09'32	1.35793 AU
max. Earth dist.	6446 Jun 14 17:53	23° II 02'18	1.34109 AU				
	6446 Jun 18 03:36	0° E		superior conj	6447 Jun 02 15:45	15° II 18'02	-0°48'27
superior conj	6446 Jun 18 22:51	1° E 40'08	-0°17'53	minimum elong	6447 Jun 02 18:31	15° II 32'00	0°47'57
minimum elong	6446 Jun 18 23:49	1° E 45'11	0°17'43	asc. node	6447 Jun 07 13:58	25° II 20'37	
asc. node	6446 Jun 20 16:55	5° E 20'48			6447 Jun 09 20:20	0° E	
evening rise	6446 Jun 26 08:44	17° E 17'51		evening rise	6447 Jun 10 15:17	1° E 37'00	
	6446 Jul 02 17:02	0° Ω			6447 Jun 27 17:36	0° Ω	
evening max el	6446 Jul 16 05:33	19° Ω 42'48	21°25'43	evening max el	6447 Jun 28 11:18	0° Ω 44'59	20°06'26
desc. node	6446 Jul 26 08:18	25° Ω 34'43		retrograde	6447 Jul 09 00:20	5° Ω 55'33	
retrograde	6446 Jul 28 10:17	25° Ω 45'07		evening set	6447 Jul 10 22:05	5° Ω 46'08	
evening set	6446 Jul 30 20:52	25° Ω 31'26		desc. node	6447 Jul 13 05:17	5° Ω 11'26	
inferior conj	6446 Aug 09 04:13	21° Ω 32'13	-3°53'01	inferior conj	6447 Jul 19 23:47	1° Ω 47'12	-2°02'00
minimum elong	6446 Aug 08 19:04	21° Ω 45'02	3°50'27	minimum elong	6447 Jul 19 18:08	1° Ω 55'39	1°59'57
min. Earth dist.	6446 Aug 09 05:52	21° Ω 29'54	0.54758 AU	min. Earth dist.	6447 Jul 21 17:36	0° Ω 44'51	0.55076 AU
morning rise	6446 Aug 17 18:13	17° Ω 39'33			6447 Jul 23 00:37	30° R E	
direct	6446 Aug 21 06:56	17° Ω 12'37		morning rise	6447 Jul 28 12:38	27° E 31'22	
morning max el	6446 Sep 02 19:24	23° Ω 07'28	22°16'37				


































































































































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	6447 Aug 10 23:45	0°♊		transit end	6448 Jun 29 13:22	12°☿21'41	
morning max el	6447 Aug 15 09:59	3°♊33'46	24°01'04	desc. node	6448 Jun 29 02:19	12°☿40'31	
	6447 Sep 02 18:30	0°♊		min. Earth dist.	6448 Jul 02 08:10	10°☿28'27	0.56307 AU
asc. node	6447 Sep 03 13:15	1°♊29'58		morning rise	6448 Jul 07 15:00	7°☿36'23	
morning set	6447 Sep 08 22:27	12°♊27'58		direct	6448 Jul 12 18:14	6°☿34'53	
				morning max el	6448 Jul 26 23:23	13°☿52'13	25°40'48
superior conj	6447 Sep 15 21:04	27°♊29'31	1°37'11		6448 Aug 08 17:05	0°♊	
minimum elong	6447 Sep 15 19:38	27°♊21'41	1°37'05	asc. node	6448 Aug 20 10:17	21°♊04'48	
	6447 Sep 17 00:54	0°♊		morning set	6448 Aug 23 09:49	27°♊16'52	
max. Earth dist.	6447 Sep 18 01:31	2°♊12'08	1.33049 AU		6448 Aug 24 16:18	0°♊	
evening rise	6447 Sep 23 07:28	13°♊08'07					
	6447 Oct 02 05:48	0°♊		superior conj	6448 Aug 30 07:37	12°♊21'08	1°26'29
desc. node	6447 Oct 09 04:32	11°♊30'04		minimum elong	6448 Aug 30 05:31	12°♊09'38	1°26'13
	6447 Oct 22 21:58	0°♊		max. Earth dist.	6448 Aug 31 08:13	14°♊36'29	1.32228 AU
evening max el	6447 Oct 27 00:26	4°♊15'16	27°26'26	evening rise	6448 Sep 06 08:28	27°♊30'15	
retrograde	6447 Nov 09 15:38	11°♊33'34			6448 Sep 07 13:33	0°♊	
evening set	6447 Nov 16 17:06	8°♊58'03			6448 Sep 24 13:17	0°♊	
min. Earth dist.	6447 Nov 20 10:45	5°♊40'20	0.63840 AU	desc. node	6448 Sep 25 01:32	0°♊45'12	
inferior conj	6447 Nov 22 23:56	3°♊03'04	-2°28'25	evening max el	6448 Oct 08 09:06	17°♊00'47	27°20'18
minimum elong	6447 Nov 23 04:24	2°♊51'33	2°26'39	retrograde	6448 Oct 22 04:47	24°♊14'01	
	6447 Nov 26 03:58	30°♊		evening set	6448 Oct 29 08:00	21°♊51'59	
morning rise	6447 Nov 29 17:18	27°♊42'50		min. Earth dist.	6448 Nov 01 23:36	19°♊00'59	0.61974 AU
asc. node	6447 Nov 30 12:31	27°♊26'44		inferior conj	6448 Nov 04 22:58	16°♊18'00	-3°33'55
direct	6447 Dec 02 04:03	27°♊13'13		minimum elong	6448 Nov 05 05:11	16°♊03'44	3°31'52
	6447 Dec 08 01:02	0°♊		morning rise	6448 Nov 12 04:20	11°♊16'10	
morning max el	6447 Dec 08 16:53	0°♊37'39	17°50'36	direct	6448 Nov 14 11:26	10°♊53'14	
morning set	6447 Dec 25 08:39	26°♊02'06		asc. node	6448 Nov 16 09:33	11°♊09'50	
	6447 Dec 27 16:13	0°♊		morning max el	6448 Nov 21 08:57	14°♊23'08	17°51'28
desc. node	6448 Jan 05 03:45	14°♊14'35			6448 Dec 02 02:12	0°♊	
				morning set	6448 Dec 07 04:36	9°♊05'48	
superior conj	6448 Jan 07 01:42	17°♊22'51	-0°13'36				
minimum elong	6448 Jan 07 00:11	17°♊16'40	0°13'20	superior conj	6448 Dec 18 02:08	28°♊20'55	0°28'11
behind sun begin	6448 Jan 06 18:37	16°♊53'55		minimum elong	6448 Dec 18 04:36	28°♊31'29	0°27'51
behind sun end	6448 Jan 07 05:46	17°♊39'22			6448 Dec 19 01:22	0°♊	
max. Earth dist.	6448 Jan 12 17:07	26°♊27'49	1.44557 AU	desc. node	6448 Dec 22 00:46	5°♊00'27	
	6448 Jan 14 22:44	0°♊		max. Earth dist.	6448 Dec 25 08:14	10°♊27'50	1.43170 AU
evening rise	6448 Jan 22 19:56	12°♊15'24		evening rise	6449 Jan 01 10:19	21°♊46'07	
	6448 Feb 03 13:48	0°♊			6449 Jan 06 18:34	0°♊	
evening max el	6448 Feb 20 01:48	22°♊02'31	20°32'29		6449 Jan 27 23:09	0°♊	
asc. node	6448 Feb 26 11:45	26°♊32'29		evening max el	6449 Feb 01 22:31	5°♊39'53	21°44'32
retrograde	6448 Feb 28 04:02	26°♊47'18		retrograde	6449 Feb 11 01:34	11°♊04'40	
evening set	6448 Mar 03 02:55	25°♊17'27		asc. node	6449 Feb 12 08:46	10°♊55'48	
inferior conj	6448 Mar 08 11:05	19°♊09'38	2°59'40	evening set	6449 Feb 15 10:48	9°♊19'29	
minimum elong	6448 Mar 08 09:00	19°♊16'46	2°59'15	inferior conj	6449 Feb 20 18:43	3°♊01'32	2°29'43
min. Earth dist.	6448 Mar 09 02:20	18°♊17'26	0.67695 AU	minimum elong	6449 Feb 20 16:22	3°♊09'41	2°29'04
morning rise	6448 Mar 13 14:52	12°♊54'55		min. Earth dist.	6449 Feb 20 21:23	2°♊52'16	0.68161 AU
direct	6448 Mar 19 04:51	10°♊25'36			6449 Feb 23 00:20	30°♊	
morning max el	6448 Mar 30 09:34	17°♊07'30	24°17'47	morning rise	6449 Feb 25 21:45	26°♊49'52	
desc. node	6448 Apr 02 03:03	20°♊03'00		direct	6449 Mar 02 21:25	24°♊40'55	
	6448 Apr 10 02:39	0°♊			6449 Mar 12 06:11	0°♊	
	6448 Apr 30 00:41	0°♊		morning max el	6449 Mar 12 19:22	0°♊32'38	22°48'19
morning set	6448 May 05 04:23	8°♊44'49		desc. node	6449 Mar 20 00:05	8°♊53'27	
max. Earth dist.	6448 May 08 20:11	15°♊13'17	1.37854 AU		6449 Apr 03 23:31	0°♊	
				morning set	6449 Apr 16 02:36	19°♊09'01	
superior conj	6448 May 15 21:06	28°♊19'20	-1°18'37	max. Earth dist.	6449 Apr 20 16:19	26°♊50'17	1.40079 AU
minimum elong	6448 May 16 01:37	28°♊40'59	1°17'59		6449 Apr 22 12:18	0°♊	
	6448 May 16 18:01	0°♊					
asc. node	6448 May 24 10:59	15°♊10'35		superior conj	6449 Apr 28 10:48	10°♊34'17	-1°45'25
evening rise	6448 May 24 15:42	15°♊33'55		minimum elong	6449 Apr 28 16:10	10°♊58'42	1°44'54
	6448 Jun 01 06:50	0°♊		evening rise	6449 May 08 06:55	29°♊01'12	
evening max el	6448 Jun 10 05:38	12°♊30'23	19°06'43		6449 May 08 19:18	0°♊	
retrograde	6448 Jun 19 02:16	16°♊51'29		asc. node	6449 May 11 08:00	4°♊46'29	
evening set	6448 Jun 21 01:28	16°♊39'31		evening max el	6449 May 24 09:44	24°♊54'34	18°27'28
inferior conj	6448 Jun 29 10:04	12°♊27'20	-0°05'48	retrograde	6449 May 31 23:18	28°♊40'02	
minimum elong	6448 Jun 29 09:49	12°♊27'45	0°05'45	evening set	6449 Jun 03 05:04	28°♊21'14	
transit middle	6448 Jun 29 09:49	12°♊27'45	0°05'45	inferior conj	6449 Jun 10 17:37	23°♊49'06	1°28'59

minimum elong	6449 Jun 10 20:27	23° Π 43'26	1°28'01	minimum elong	6450 May 24 01:14	5° Π 45'05	2°33'06
min. Earth dist.	6449 Jun 14 03:10	21° Π 07'18	0.58195 AU	min. Earth dist.	6450 May 27 05:04	2° Π 49'56	0.60390 AU
desc. node	6449 Jun 15 23:20	19° Π 48'14		morning rise	6450 May 30 20:46	0° Π 01'22	
morning rise	6449 Jun 18 08:36	18° Π 23'36			6450 May 30 21:38	30° \mathbb{R} 8	
direct	6449 Jun 24 08:03	16° Π 51'16		desc. node	6450 Jun 02 20:22	28° \mathbb{B} 33'16	
morning max el	6449 Jul 08 17:20	24° Π 32'13	26°59'27	direct	6450 Jun 06 10:14	27° \mathbb{B} 56'08	
	6449 Jul 13 17:19	0° \mathfrak{C}			6450 Jun 13 08:19	0° Π	
	6449 Aug 01 20:49	0° Ω		morning max el	6450 Jun 20 18:04	5° Π 51'55	27°44'56
asc. node	6449 Aug 07 07:19	10° Ω 55'09			6450 Jul 08 19:34	0° \mathfrak{C}	
morning set	6449 Aug 07 19:17	11° Ω 58'03		morning set	6450 Jul 23 01:05	26° \mathfrak{C} 26'02	
					6450 Jul 24 17:54	0° Ω	
superior conj	6449 Aug 14 19:23	27° Ω 13'23	1°10'48	asc. node	6450 Jul 25 04:20	0° Ω 55'23	
minimum elong	6449 Aug 14 17:07	27° Ω 00'47	1°10'25	max. Earth dist.	6450 Jul 29 05:10	9° Ω 40'12	1.31891 AU
max. Earth dist.	6449 Aug 14 18:42	27° Ω 09'35	1.31844 AU				
	6449 Aug 16 01:29	0° \mathbb{M}		superior conj	6450 Jul 30 06:38	12° Ω 00'26	0°50'38
evening rise	6449 Aug 21 15:10	12° \mathbb{M} 06'45		minimum elong	6450 Jul 30 04:39	11° Ω 49'28	0°50'14
	6449 Aug 30 17:11	0° $\underline{\Omega}$		evening rise	6450 Aug 06 01:21	26° Ω 50'39	
desc. node	6449 Sep 11 22:33	19° $\underline{\Omega}$ 13'02			6450 Aug 07 13:09	0° \mathbb{M}	
evening max el	6449 Sep 20 11:45	29° $\underline{\Omega}$ 01'24	26°40'27		6450 Aug 24 14:32	0° $\underline{\Omega}$	
	6449 Sep 21 13:17	0° \mathbb{M}		desc. node	6450 Aug 29 19:34	6° $\underline{\Omega}$ 34'44	
retrograde	6449 Oct 04 09:37	6° \mathbb{M} 09'27		evening max el	6450 Sep 02 06:28	10° $\underline{\Omega}$ 11'26	25°29'19
evening set	6449 Oct 11 05:16	4° \mathbb{M} 12'16		retrograde	6450 Sep 16 04:47	17° $\underline{\Omega}$ 15'12	
min. Earth dist.	6449 Oct 15 01:33	1° \mathbb{M} 36'32	0.59921 AU	evening set	6450 Sep 22 04:04	15° $\underline{\Omega}$ 52'27	
	6449 Oct 17 02:16	30° \mathbb{R} 2		min. Earth dist.	6450 Sep 26 18:18	13° $\underline{\Omega}$ 14'24	0.57871 AU
inferior conj	6449 Oct 18 06:48	29° $\underline{\Omega}$ 02'24	-4°33'05	inferior conj	6450 Sep 29 20:03	11° $\underline{\Omega}$ 06'41	-5°14'56
minimum elong	6449 Oct 18 13:24	28° $\underline{\Omega}$ 49'11	4°31'33	minimum elong	6450 Sep 30 00:04	10° $\underline{\Omega}$ 59'41	5°14'30
morning rise	6449 Oct 25 23:41	24° $\underline{\Omega}$ 22'22		morning rise	6450 Oct 07 22:23	6° $\underline{\Omega}$ 50'00	
direct	6449 Oct 28 06:39	24° $\underline{\Omega}$ 03'02		direct	6450 Oct 10 09:03	6° $\underline{\Omega}$ 31'43	
asc. node	6449 Nov 03 06:36	26° $\underline{\Omega}$ 23'21		morning max el	6450 Oct 19 00:53	10° $\underline{\Omega}$ 39'27	18°52'51
morning max el	6449 Nov 04 20:46	27° $\underline{\Omega}$ 46'54	18°11'41	asc. node	6450 Oct 21 03:38	12° $\underline{\Omega}$ 54'21	
	6449 Nov 06 21:46	0° \mathbb{M}			6450 Oct 31 20:48	0° \mathbb{M}	
morning set	6449 Nov 20 15:31	22° \mathbb{M} 51'33		morning set	6450 Nov 04 12:52	7° \mathbb{M} 06'15	
	6449 Nov 24 10:29	0° \mathbb{X}					
superior conj	6449 Nov 30 03:14	10° \mathbb{X} 30'15	1°00'53	superior conj	6450 Nov 13 00:04	23° \mathbb{M} 36'58	1°23'34
minimum elong	6449 Nov 30 06:57	10° \mathbb{X} 47'00	1°00'26	minimum elong	6450 Nov 13 03:13	23° \mathbb{M} 51'58	1°23'18
max. Earth dist.	6449 Dec 07 18:39	23° \mathbb{X} 52'19	1.41306 AU	max. Earth dist.	6450 Nov 16 09:48	0° \mathbb{X}	
desc. node	6449 Dec 08 21:45	25° \mathbb{X} 46'25		evening rise	6450 Nov 20 00:42	6° \mathbb{X} 33'30	1.39191 AU
	6449 Dec 11 10:56	0° \mathfrak{Z}		desc. node	6450 Nov 23 22:10	13° \mathbb{X} 20'36	
evening rise	6449 Dec 12 17:05	2° \mathfrak{Z} 03'04			6450 Nov 25 18:47	16° \mathbb{X} 29'13	
	6449 Dec 31 04:14	0° \approx			6450 Dec 04 04:35	0° \mathfrak{Z}	
evening max el	6450 Jan 15 14:42	19° \approx 19'13	23°03'17	evening max el	6450 Dec 26 06:55	0° \approx	
retrograde	6450 Jan 25 20:46	25° \approx 23'51			6450 Dec 29 04:12	3° \approx 02'15	24°22'48
asc. node	6450 Jan 30 05:49	23° \approx 46'59		retrograde	6451 Jan 09 12:32	9° \approx 41'10	
evening set	6450 Jan 30 17:45	23° \approx 23'13		evening set	6451 Jan 14 22:14	7° \approx 25'57	
inferior conj	6450 Feb 05 03:01	16° \approx 58'26	1°51'17	asc. node	6451 Jan 17 02:51	5° \approx 13'08	
minimum elong	6450 Feb 05 00:52	17° \approx 05'50	1°50'34	min. Earth dist.	6451 Jan 19 14:06	2° \approx 06'03	0.67906 AU
min. Earth dist.	6450 Feb 04 18:01	17° \approx 29'29	0.68223 AU	inferior conj	6451 Jan 20 10:15	0° \approx 58'27	1°05'16
morning rise	6450 Feb 10 07:55	10° \approx 51'11		minimum elong	6451 Jan 20 08:46	1° \approx 03'24	1°04'43
direct	6450 Feb 14 17:17	9° \approx 05'02			6451 Jan 21 03:45	30° \mathbb{R} 3	
morning max el	6450 Feb 23 09:53	14° \approx 07'17	21°23'17	morning rise	6451 Jan 25 19:26	24° \mathfrak{Z} 57'08	
desc. node	6450 Mar 06 21:04	28° \approx 21'15		direct	6451 Jan 29 15:24	23° \mathfrak{Z} 33'14	
	6450 Mar 08 01:17	0° \mathbb{X}		morning max el	6451 Feb 06 07:52	27° \mathfrak{Z} 54'22	20°08'59
morning set	6450 Mar 26 20:39	28° \mathbb{X} 14'37			6451 Feb 08 07:01	0° \approx	
	6450 Mar 27 23:14	0° \mathbb{Y}		desc. node	6451 Feb 21 18:05	18° \approx 16'38	
max. Earth dist.	6450 Apr 02 17:51	9° \mathbb{Y} 20'27	1.42178 AU		6451 Mar 01 13:11	0° \mathbb{X}	
				morning set	6451 Mar 05 19:05	6° \mathbb{X} 30'53	
superior conj	6450 Apr 10 03:52	21° \mathbb{Y} 50'24	-2°04'29	max. Earth dist.	6451 Mar 16 02:26	22° \mathbb{X} 41'50	1.43888 AU
minimum elong	6450 Apr 10 07:47	22° \mathbb{Y} 07'17	2°04'18		6451 Mar 20 14:56	0° \mathbb{Y}	
	6450 Apr 14 19:41	0° \mathbb{B}		superior conj	6451 Mar 21 20:19	2° \mathbb{Y} 00'13	-2°10'05
evening rise	6450 Apr 21 09:00	11° \mathbb{B} 48'31		minimum elong	6451 Mar 21 19:15	1° \mathbb{Y} 55'51	2°10'05
asc. node	6450 Apr 28 05:02	24° \mathbb{B} 02'14		evening rise	6451 Apr 03 17:28	23° \mathbb{Y} 46'19	
	6450 May 01 19:53	0° Π			6451 Apr 07 07:56	0° \mathbb{B}	
evening max el	6450 May 07 19:55	7° Π 47'39	18°08'17	asc. node	6451 Apr 15 02:05	12° \mathbb{B} 51'07	
retrograde	6450 May 14 14:19	11° Π 13'48		evening max el	6451 Apr 21 08:48	21° \mathbb{B} 01'00	18°08'28
evening set	6450 May 17 03:12	10° Π 45'12		retrograde	6451 Apr 27 18:58	24° \mathbb{B} 22'47	
inferior conj	6450 May 23 22:02	5° Π 52'32	2°33'55	evening set	6451 Apr 30 14:37	23° \mathbb{B} 42'29	

inferior conj	6451 May 06 19:42	18°♄30'32	3°11'33	retrograde	6452 Apr 10 08:47	7°♄57'52	
minimum elong	6451 May 06 21:48	18°♄25'00	3°11'12	evening set	6452 Apr 13 11:10	7°♄04'34	
min. Earth dist.	6451 May 09 15:40	15°♄31'22	0.62577 AU	inferior conj	6452 Apr 19 06:26	1°♄34'42	3°27'25
morning rise	6451 May 13 03:24	12°♄24'18		minimum elong	6452 Apr 19 07:01	1°♄33'01	3°27'22
direct	6451 May 19 22:50	9°♄52'23			6452 Apr 20 14:32	30°♄	
desc. node	6451 May 20 17:23	9°♄54'13		min. Earth dist.	6452 Apr 21 11:33	28°♄59'04	0.64522 AU
morning max el	6451 Jun 03 00:29	17°♄54'23	27°52'25	morning rise	6452 Apr 25 02:02	25°♄21'25	
	6451 Jun 13 03:08	0°♄		direct	6452 May 01 19:37	22°♄34'51	
	6451 Jul 01 14:59	0°♄		desc. node	6452 May 06 14:25	23°♄45'50	
morning set	6451 Jul 07 01:09	10°♄34'34			6452 May 14 21:07	0°♄	
asc. node	6451 Jul 12 01:21	21°♄01'04		morning max el	6452 May 15 09:58	0°♄32'01	27°24'02
max. Earth dist.	6451 Jul 12 11:35	21°♄55'48	1.32383 AU		6452 Jun 06 04:00	0°♄	
				morning set	6452 Jun 19 16:52	24°♄16'00	
superior conj	6451 Jul 14 15:35	26°♄36'52	0°26'31		6452 Jun 22 13:55	0°♄	
minimum elong	6451 Jul 14 14:22	26°♄30'17	0°26'14	max. Earth dist.	6452 Jun 24 10:10	3°♄46'22	1.33339 AU
	6451 Jul 16 04:51	0°♄					
evening rise	6451 Jul 21 13:03	11°♄35'47		superior conj	6452 Jun 27 20:16	10°♄56'49	-0°00'55
	6451 Jul 30 20:37	0°♄		minimum elong	6452 Jun 27 20:19	10°♄57'05	0°00'57
evening max el	6451 Aug 14 19:07	20°♄41'07	23°56'49	behind sun begin	6452 Jun 27 14:50	10°♄28'03	
desc. node	6451 Aug 16 16:37	22°♄24'14		behind sun end	6452 Jun 28 01:47	11°♄26'10	
retrograde	6451 Aug 28 12:20	27°♄34'28		asc. node	6452 Jun 27 22:23	11°♄08'09	
evening set	6451 Sep 02 02:26	26°♄48'04		evening rise	6452 Jul 05 00:23	26°♄16'32	
min. Earth dist.	6451 Sep 08 05:36	23°♄48'50	0.56122 AU		6452 Jul 06 19:07	0°♄	
inferior conj	6451 Sep 10 13:01	22°♄24'17	-5°23'02		6452 Jul 25 09:00	0°♄	
minimum elong	6451 Sep 10 10:52	22°♄27'34	5°22'56	evening max el	6452 Jul 26 08:46	1°♄00'06	22°18'45
morning rise	6451 Sep 18 21:40	18°♄27'10		desc. node	6452 Aug 02 13:39	6°♄09'32	
direct	6451 Sep 21 15:57	18°♄07'39		retrograde	6452 Aug 08 07:24	7°♄26'05	
morning max el	6451 Oct 01 18:02	22°♄50'35	19°56'00	evening set	6452 Aug 11 09:35	7°♄05'01	
	6451 Oct 07 17:17	0°♄		min. Earth dist.	6452 Aug 19 15:08	3°♄30'32	0.55010 AU
asc. node	6451 Oct 08 00:41	0°♄27'01		inferior conj	6452 Aug 20 12:51	2°♄59'53	-4°41'08
morning set	6451 Oct 19 17:09	21°♄39'30		minimum elong	6452 Aug 20 04:38	3°♄11'30	4°39'28
	6451 Oct 23 19:16	0°♄			6452 Aug 26 11:25	30°♄	
superior conj	6451 Oct 27 11:22	7°♄25'03	1°37'01	morning rise	6452 Aug 29 01:25	29°♄10'44	
minimum elong	6451 Oct 27 13:11	7°♄34'07	1°36'56	direct	6452 Sep 01 06:43	28°♄47'21	
max. Earth dist.	6451 Nov 02 06:03	18°♄38'18	1.37088 AU		6452 Sep 06 18:41	0°♄	
evening rise	6451 Nov 06 00:47	25°♄35'59		morning max el	6452 Sep 12 22:39	4°♄14'53	21°20'16
	6451 Nov 08 12:19	0°♄		asc. node	6452 Sep 23 21:43	18°♄47'43	
desc. node	6451 Nov 12 15:49	7°♄04'09			6452 Sep 29 22:26	0°♄	
	6451 Nov 27 17:57	0°♄		morning set	6452 Oct 03 01:50	6°♄24'40	
evening max el	6451 Dec 11 16:58	16°♄47'31	25°36'23	superior conj	6452 Oct 10 08:57	21°♄42'40	1°42'24
retrograde	6451 Dec 23 23:46	23°♄50'28		minimum elong	6452 Oct 10 09:18	21°♄44'33	1°42'24
evening set	6451 Dec 29 22:36	21°♄22'54			6452 Oct 14 10:26	0°♄	
min. Earth dist.	6452 Jan 03 07:17	16°♄37'24	0.67220 AU	max. Earth dist.	6452 Oct 14 16:40	0°♄31'06	1.35224 AU
asc. node	6452 Jan 03 23:55	15°♄44'26		evening rise	6452 Oct 18 21:21	8°♄40'25	
inferior conj	6452 Jan 04 14:32	14°♄57'37	0°12'19	desc. node	6452 Oct 29 12:51	27°♄26'26	
minimum elong	6452 Jan 04 14:13	14°♄58'37	0°12'13		6452 Oct 31 02:49	0°♄	
transit middle	6452 Jan 04 14:13	14°♄58'37	0°12'13		6452 Nov 22 17:35	0°♄	
transit begin	6452 Jan 04 12:23	15°♄04'30		evening max el	6452 Nov 23 06:04	0°♄30'25	26°36'31
transit end	6452 Jan 04 16:03	14°♄52'45		retrograde	6452 Dec 06 05:36	7°♄45'37	
morning rise	6452 Jan 10 06:14	9°♄04'12		evening set	6452 Dec 12 16:57	5°♄09'41	
direct	6452 Jan 13 14:21	8°♄00'06		min. Earth dist.	6452 Dec 16 19:12	0°♄59'08	0.66179 AU
morning max el	6452 Jan 20 13:39	11°♄51'29	19°09'05		6452 Dec 17 15:10	30°♄	
greatest brilliancy	6452 Feb 03 05:06	0°♄13'45	-0.7m	inferior conj	6452 Dec 18 13:52	28°♄52'00	-0°46'43
	6452 Feb 03 01:28	0°♄		minimum elong	6452 Dec 18 15:10	28°♄48'07	0°46'07
desc. node	6452 Feb 08 15:06	8°♄31'38		asc. node	6452 Dec 20 20:58	26°♄14'11	
morning set	6452 Feb 12 20:53	15°♄05'31		morning rise	6452 Dec 24 14:12	23°♄09'04	
	6452 Feb 22 10:39	0°♄		direct	6452 Dec 27 12:21	22°♄21'17	
max. Earth dist.	6452 Feb 26 17:07	6°♄41'57	1.45006 AU	morning max el	6453 Jan 03 01:49	25°♄54'13	18°25'16
					6453 Jan 06 14:52	0°♄	
superior conj	6452 Feb 29 12:57	11°♄09'38	-1°56'56	morning set	6453 Jan 22 23:09	24°♄57'38	
minimum elong	6452 Feb 29 05:23	10°♄39'43	1°56'26	desc. node	6453 Jan 25 12:07	29°♄00'47	
	6452 Mar 12 06:05	0°♄			6453 Jan 26 02:59	0°♄	
evening rise	6452 Mar 15 04:05	4°♄47'00					
	6452 Mar 31 03:26	0°♄		superior conj	6453 Feb 07 16:53	19°♄51'11	-1°24'27
asc. node	6452 Mar 31 23:07	1°♄04'33		minimum elong	6453 Feb 07 07:36	19°♄14'48	1°23'24
evening max el	6452 Apr 03 21:23	4°♄26'59	18°27'16	max. Earth dist.	6453 Feb 08 12:01	21°♄06'10	1.45415 AU

	6453 Feb 14 04:22	0°☿			6454 Feb 07 01:29	0°☿	
evening rise	6453 Feb 23 15:24	14°☿51'52		greatest brilliancy	6454 Feb 17 15:54	16°☿00'09	-0.6m
	6453 Mar 05 06:22	0°☿			6454 Feb 28 01:15	0°☿	
greatest brilliancy	6453 Mar 05 15:22	0°☿34'58	-0.8m	evening max el	6454 Mar 01 12:22	1°☿34'41	19°56'00
evening max el	6453 Mar 18 07:11	17°☿59'27	19°03'37	asc. node	6454 Mar 05 17:12	4°☿58'59	
asc. node	6453 Mar 18 20:09	18°☿31'30		retrograde	6454 Mar 09 02:06	5°☿58'05	
retrograde	6453 Mar 25 04:06	21°☿51'24		evening set	6454 Mar 12 19:48	4°☿36'30	
evening set	6453 Mar 28 13:42	20°☿44'17			6454 Mar 17 03:36	30°☿☿	
inferior conj	6453 Apr 03 02:31	14°☿57'59	3°26'34	inferior conj	6454 Mar 18 04:59	28°☿35'40	3°12'38
minimum elong	6453 Apr 03 01:45	15°☿00'25	3°26'31	minimum elong	6454 Mar 18 03:15	28°☿41'28	3°12'23
min. Earth dist.	6453 Apr 04 16:04	12°☿58'43	0.66094 AU	min. Earth dist.	6454 Mar 19 03:54	27°☿18'47	0.67234 AU
morning rise	6453 Apr 08 13:26	8°☿42'14		morning rise	6454 Mar 23 10:29	22°☿20'07	
direct	6453 Apr 14 23:03	5°☿54'18		direct	6454 Mar 29 08:11	19°☿41'52	
desc. node	6453 Apr 23 11:27	9°☿36'54		morning max el	6454 Apr 10 05:20	26°☿48'20	25°08'04
morning max el	6453 Apr 27 20:02	13°☿33'16	26°26'12	desc. node	6454 Apr 10 08:27	26°☿56'14	
	6453 May 11 03:23	0°♊			6454 Apr 13 04:38	0°☿	
	6453 May 29 20:58	0°♊			6454 May 04 18:09	0°♊	
morning set	6453 Jun 02 20:41	7°♊19'13		morning set	6454 May 16 08:09	19°♊32'33	
max. Earth dist.	6453 Jun 06 22:04	15°♊07'31	1.34775 AU	max. Earth dist.	6454 May 19 23:38	26°♊11'50	1.36642 AU
					6454 May 22 00:12	0°♊	
superior conj	6453 Jun 11 18:14	24°♊52'22	-0°30'44				
minimum elong	6453 Jun 11 19:57	25°♊01'11	0°30'26	superior conj	6454 May 26 06:41	8°♊16'13	-1°01'25
	6453 Jun 14 05:38	0°♊		minimum elong	6454 May 26 10:14	8°♊33'46	1°00'51
asc. node	6453 Jun 14 19:24	1°♊11'46		asc. node	6454 Jun 01 16:25	21°♊08'18	
evening rise	6453 Jun 19 09:18	10°♊45'36		evening rise	6454 Jun 03 13:37	24°♊56'53	
	6453 Jun 29 12:08	0°♊			6454 Jun 06 02:20	0°♊	
evening max el	6453 Jul 08 07:17	11°♊39'52	20°49'45	evening max el	6454 Jun 20 18:27	23°♊00'05	19°38'23
retrograde	6453 Jul 19 19:35	17°♊20'24		retrograde	6454 Jun 30 13:37	27°♊48'47	
desc. node	6453 Jul 20 10:41	17°♊19'26		evening set	6454 Jul 02 10:52	27°♊38'51	
evening set	6453 Jul 21 22:45	17°♊09'31		desc. node	6454 Jul 07 07:42	25°♊53'41	
inferior conj	6453 Jul 31 05:38	13°♊12'29	-3°08'46	inferior conj	6454 Jul 11 06:06	23°♊35'03	-1°11'19
minimum elong	6453 Jul 30 21:20	13°♊24'17	3°06'05	minimum elong	6454 Jul 11 02:51	23°♊40'10	1°10'07
min. Earth dist.	6453 Aug 01 01:09	12°♊44'46	0.54780 AU	min. Earth dist.	6454 Jul 13 13:39	22°♊08'00	0.55505 AU
morning rise	6453 Aug 08 19:52	9°♊12'32		morning rise	6454 Jul 19 16:31	19°♊05'12	
direct	6453 Aug 12 15:30	8°♊41'18		direct	6454 Jul 24 07:00	18°♊18'05	
morning max el	6453 Aug 25 16:37	14°♊56'18	23°00'34	morning max el	6454 Aug 07 05:54	25°♊15'44	24°45'08
	6453 Sep 06 08:37	0°♊			6454 Aug 11 16:17	0°♊	
asc. node	6453 Sep 10 18:44	7°♊44'10		asc. node	6454 Aug 28 15:45	27°♊07'20	
morning set	6453 Sep 17 12:53	21°♊15'26			6454 Aug 30 02:08	0°♊	
	6453 Sep 21 14:55	0°♊		morning set	6454 Sep 02 00:37	6°♊06'49	
superior conj	6453 Sep 24 13:29	6°♊19'35	1°40'51	superior conj	6454 Sep 08 22:28	21°♊08'07	1°33'17
minimum elong	6453 Sep 24 12:36	6°♊14'50	1°40'48	minimum elong	6454 Sep 08 20:42	20°♊58'26	1°33'06
max. Earth dist.	6453 Sep 27 11:44	12°♊31'43	1.33724 AU	max. Earth dist.	6454 Sep 10 14:49	24°♊47'50	1.32647 AU
evening rise	6453 Oct 02 07:42	22°♊22'28			6454 Sep 13 00:58	0°♊	
	6453 Oct 06 06:53	0°♊		evening rise	6454 Sep 16 04:13	6°♊32'31	
desc. node	6453 Oct 16 09:54	17°♊29'42			6454 Sep 28 19:49	0°♊	
	6453 Oct 24 20:46	0°♊		desc. node	6454 Oct 03 06:55	7°♊05'42	
evening max el	6453 Nov 05 18:50	14°♊00'45	27°15'52	evening max el	6454 Oct 19 05:30	27°♊05'45	27°27'46
retrograde	6453 Nov 19 05:22	21°♊19'11			6454 Oct 22 14:14	0°♊	
evening set	6453 Nov 26 03:04	18°♊41'00		retrograde	6454 Nov 01 22:40	4°♊22'08	
min. Earth dist.	6453 Nov 29 23:30	15°♊05'00	0.64789 AU	evening set	6454 Nov 09 02:02	1°♊50'41	
inferior conj	6453 Dec 02 05:59	12°♊36'30	-1°50'28		6454 Nov 11 09:43	30°♊♊	
minimum elong	6453 Dec 02 09:15	12°♊27'33	1°49'05	min. Earth dist.	6454 Nov 12 18:10	28°♊45'43	0.63076 AU
asc. node	6453 Dec 07 18:00	7°♊36'49		inferior conj	6454 Nov 15 12:07	26°♊04'21	-2°56'31
morning rise	6453 Dec 08 16:44	7°♊07'07		minimum elong	6454 Nov 15 17:25	25°♊51'20	2°54'34
direct	6453 Dec 11 07:02	6°♊31'52		morning rise	6454 Nov 22 10:35	20°♊51'50	
morning max el	6453 Dec 17 17:55	9°♊56'31	17°58'19	direct	6454 Nov 24 19:28	20°♊25'27	
	6453 Dec 31 12:23	0°♊		asc. node	6454 Nov 24 15:03	20°♊25'36	
morning set	6454 Jan 04 07:02	6°♊18'00		morning max el	6454 Dec 01 10:59	23°♊50'52	17°48'47
desc. node	6454 Jan 12 09:08	19°♊39'40			6454 Dec 06 09:21	0°♊	
				morning set	6454 Dec 17 15:42	18°♊49'38	
superior conj	6454 Jan 18 03:51	28°♊59'03	-0°40'05		6454 Dec 24 02:02	0°♊	
minimum elong	6454 Jan 17 23:04	28°♊39'54	0°39'23				
	6454 Jan 18 19:09	0°♊		superior conj	6454 Dec 29 13:12	9°♊13'45	0°05'04
max. Earth dist.	6454 Jan 22 07:53	5°♊35'43	1.45073 AU	minimum elong	6454 Dec 29 13:43	9°♊15'54	0°05'02
evening rise	6454 Feb 03 08:15	24°♊17'22		behind sun begin	6454 Dec 29 04:48	8°♊38'51	

behind sun end	6454 Dec 29 22:37	9°♄52'53			6455 Dec 16 10:15	0°♄	
desc. node	6454 Dec 30 06:08	10°♄24'01		desc. node	6455 Dec 17 03:10	1°♄10'50	
max. Earth dist.	6455 Jan 05 01:15	19°♄50'42	1.44029 AU	max. Earth dist.	6455 Dec 18 14:01	3°♄35'40	1.42418 AU
	6455 Jan 11 11:31	0°♄		evening rise	6455 Dec 24 15:02	13°♄22'16	
evening rise	6455 Jan 13 18:53	3°♄34'34			6456 Jan 04 11:31	0°♄	
	6455 Jan 31 13:09	0°♄		evening max el	6456 Jan 26 06:32	28°♄48'21	22°17'32
evening max el	6455 Feb 12 12:01	15°♄10'35	21°01'56		6456 Jan 27 11:56	0°♄	
asc. node	6455 Feb 20 14:14	20°♄11'35		retrograde	6456 Feb 04 21:15	4°♄31'03	
retrograde	6455 Feb 21 00:26	20°♄12'32		asc. node	6456 Feb 07 11:17	3°♄56'20	
evening set	6455 Feb 25 03:32	18°♄36'06		evening set	6456 Feb 09 11:13	2°♄39'25	
inferior conj	6455 Mar 02 11:20	12°♄23'19	2°48'04		6456 Feb 12 00:51	30°♄	
minimum elong	6455 Mar 02 09:05	12°♄31'05	2°47'33	inferior conj	6456 Feb 14 19:30	26°♄17'56	2°14'25
min. Earth dist.	6455 Mar 02 21:01	11°♄49'49	0.67938 AU	minimum elong	6456 Feb 14 17:11	26°♄25'59	2°13'43
morning rise	6455 Mar 07 14:27	6°♄09'39		min. Earth dist.	6456 Feb 14 17:09	26°♄26'06	0.68231 AU
direct	6455 Mar 12 22:16	3°♄48'46		morning rise	6456 Feb 19 23:00	20°♄07'42	
morning max el	6455 Mar 23 14:19	10°♄10'19	23°39'46	direct	6456 Feb 24 16:28	18°♄08'17	
desc. node	6455 Mar 28 05:28	15°♄18'43		morning max el	6456 Mar 05 01:41	23°♄39'01	22°11'06
	6455 Apr 08 06:57	0°♄			6456 Mar 10 15:44	0°♄	
	6455 Apr 27 11:59	0°♄		desc. node	6456 Mar 14 02:29	4°♄26'35	
morning set	6455 Apr 27 21:38	0°♄40'58			6456 Mar 31 16:23	0°♄	
max. Earth dist.	6455 May 01 19:25	7°♄26'37	1.38795 AU	morning set	6456 Apr 07 07:48	10°♄31'06	
				max. Earth dist.	6456 Apr 12 16:39	19°♄22'21	1.40999 AU
superior conj	6455 May 09 05:55	20°♄59'03	-1°30'38		6456 Apr 18 20:58	0°♄	
minimum elong	6455 May 09 10:58	21°♄22'47	1°29'59				
	6455 May 13 23:12	0°♄		superior conj	6456 Apr 20 11:26	2°♄50'13	-1°54'47
evening rise	6455 May 18 10:33	8°♄42'38		minimum elong	6456 Apr 20 16:33	3°♄13'01	1°54'23
asc. node	6455 May 19 13:27	10°♄53'14		evening rise	6456 Apr 30 20:41	21°♄53'54	
	6455 May 30 12:20	0°♄		asc. node	6456 May 05 10:29	0°♄21'24	
evening max el	6455 Jun 03 17:19	5°♄03'05	18°47'29		6456 May 05 05:46	0°♄	
retrograde	6455 Jun 11 23:38	9°♄07'28		evening max el	6456 May 17 00:31	17°♄41'13	18°16'58
evening set	6455 Jun 14 01:09	8°♄53'11		retrograde	6456 May 24 04:31	21°♄16'19	
inferior conj	6455 Jun 22 01:11	4°♄32'55	0°37'51	evening set	6456 May 26 13:19	20°♄53'42	
minimum elong	6455 Jun 22 02:38	4°♄30'17	0°37'18	inferior conj	6456 Jun 02 17:57	16°♄13'11	2°00'09
desc. node	6455 Jun 24 04:42	2°♄58'35		minimum elong	6456 Jun 02 21:13	16°♄06'13	1°59'08
min. Earth dist.	6455 Jun 25 06:10	2°♄13'18	0.57046 AU	min. Earth dist.	6456 Jun 06 04:02	13°♄19'13	0.59109 AU
	6455 Jun 28 20:23	30°♄		morning rise	6456 Jun 10 02:03	10°♄35'24	
morning rise	6455 Jun 30 00:40	29°♄26'05		desc. node	6456 Jun 10 01:45	10°♄35'49	
direct	6455 Jul 05 12:45	28°♄12'18		direct	6456 Jun 16 08:34	8°♄48'26	
	6455 Jul 12 07:04	0°♄		morning max el	6456 Jun 30 17:44	16°♄37'22	27°23'14
morning max el	6455 Jul 19 21:02	5°♄41'46	26°17'42		6456 Jul 11 17:39	0°♄	
	6455 Aug 06 16:22	0°♄			6456 Jul 29 03:19	0°♄	
asc. node	6455 Aug 15 12:46	16°♄49'57		morning set	6456 Jul 31 19:34	5°♄30'29	
morning set	6455 Aug 17 11:25	20°♄53'56		asc. node	6456 Aug 01 09:47	6°♄45'16	
	6455 Aug 21 16:17	0°♄					
superior conj	6455 Aug 24 09:48	6°♄01'40	1°20'24	superior conj	6456 Aug 07 21:36	20°♄52'58	1°02'47
minimum elong	6455 Aug 24 07:35	5°♄49'23	1°20'06	minimum elong	6456 Aug 07 19:23	20°♄40'43	1°02'22
max. Earth dist.	6455 Aug 24 23:30	7°♄17'20	1.32006 AU	max. Earth dist.	6456 Aug 07 10:17	19°♄50'20	1.31807 AU
evening rise	6455 Aug 31 07:59	21°♄02'17		evening rise	6456 Aug 12 00:49	0°♄	
	6455 Sep 04 17:55	0°♄			6456 Aug 14 16:26	5°♄43'10	
desc. node	6455 Sep 20 03:55	26°♄03'24		desc. node	6456 Aug 27 09:44	0°♄	
	6455 Sep 23 01:24	0°♄		evening max el	6456 Sep 06 00:57	14°♄06'18	
evening max el	6455 Oct 01 11:45	9°♄33'32	27°07'27	retrograde	6456 Sep 12 11:12	21°♄13'22	26°13'42
retrograde	6455 Oct 15 08:49	16°♄45'24		evening set	6456 Sep 26 10:00	28°♄19'55	
evening set	6455 Oct 22 10:07	14°♄32'14		min. Earth dist.	6456 Oct 02 22:25	26°♄36'47	
min. Earth dist.	6455 Oct 26 02:22	11°♄49'39	0.61109 AU	inferior conj	6456 Oct 07 00:25	24°♄02'05	0.59031 AU
inferior conj	6455 Oct 29 05:09	9°♄08'03	-4°00'19	minimum elong	6456 Oct 10 05:30	21°♄37'02	-4°53'50
minimum elong	6455 Oct 29 11:48	8°♄53'40	3°58'24	morning rise	6456 Oct 10 11:28	21°♄25'46	4°52'45
morning rise	6455 Nov 05 15:37	4°♄15'27		direct	6456 Oct 18 02:45	17°♄06'43	
direct	6455 Nov 07 22:03	3°♄54'33		asc. node	6456 Oct 20 10:37	16°♄48'13	
asc. node	6455 Nov 11 12:05	4°♄49'01		morning max el	6456 Oct 28 09:07	20°♄37'26	
morning max el	6455 Nov 15 01:48	7°♄29'24	17°57'40		6456 Oct 28 10:47	20°♄41'24	18°26'29
	6455 Nov 29 13:39	0°♄		morning set	6456 Nov 04 12:17	0°♄	
morning set	6455 Nov 30 18:44	2°♄13'30			6456 Nov 13 10:36	16°♄13'04	
					6456 Nov 20 15:55	0°♄	
superior conj	6455 Dec 11 00:42	20°♄44'23	0°43'15	superior conj	6456 Nov 22 10:51	3°♄19'49	1°11'41
minimum elong	6455 Dec 11 04:00	20°♄58'47	0°42'49	minimum elong	6456 Nov 22 14:28	3°♄36'34	1°11'17

max. Earth dist.	6456 Nov 29 22:00	16°  40'32	1.40426 AU	minimum elong	6457 Nov 05 17:01	16°  58'19	1°30'09
desc. node	6456 Dec 03 00:11	21°  56'01		max. Earth dist.	6457 Nov 12 03:32	29°  05'51	1.38290 AU
evening rise	6456 Dec 04 07:06	24°  04'50			6457 Nov 12 15:28	0° 	
	6456 Dec 07 22:14	0° 		evening rise	6457 Nov 15 21:41	5°  47'47	
	6456 Dec 28 08:29	0° 		desc. node	6457 Nov 19 21:12	12°  35'57	
evening max el	6457 Jan 07 21:27	12°  29'42	23°37'29		6457 Nov 30 22:12	0° 	
retrograde	6457 Jan 18 15:05	18°  49'44		evening max el	6457 Dec 21 10:37	26°  14'28	24°55'18
evening set	6457 Jan 23 17:18	16°  43'02			6457 Dec 25 18:09	0° 	
asc. node	6457 Jan 24 08:21	16°  09'18		retrograde	6458 Jan 02 04:49	3°  04'09	
min. Earth dist.	6457 Jan 28 13:55	11°  03'26	0.68133 AU	evening set	6458 Jan 07 20:12	0°  43'22	
inferior conj	6457 Jan 29 03:36	10°  16'41	1°32'41		6458 Jan 08 15:21	30° 	
minimum elong	6457 Jan 29 01:41	10°  23'14	1°32'00	asc. node	6458 Jan 11 05:25	27°  06'26	
morning rise	6457 Feb 03 10:00	4°  11'33		min. Earth dist.	6458 Jan 12 08:58	25°  38'09	0.67663 AU
direct	6457 Feb 07 13:36	2°  34'50		inferior conj	6458 Jan 13 09:47	24°  16'29	0°43'36
morning max el	6457 Feb 15 19:01	7°  18'13	20°50'02	minimum elong	6458 Jan 13 08:45	24°  19'54	0°43'13
desc. node	6457 Feb 28 23:30	24°  07'20		morning rise	6458 Jan 18 21:29	18°  18'21	
	6457 Mar 05 00:36	0° 		direct	6458 Jan 22 12:18	17°  03'06	
morning set	6457 Mar 17 15:27	19°  09'10		morning max el	6458 Jan 29 20:21	21°  09'38	19°41'36
	6457 Mar 24 11:39	0° 			6458 Feb 06 02:42	0° 	
max. Earth dist.	6457 Mar 25 21:00	2°  14'50	1.42965 AU	greatest brilliancy	6458 Feb 11 18:01	8°  04'05	-0.7m
				desc. node	6458 Feb 15 20:31	14°  11'43	
superior conj	6457 Apr 01 18:26	13°  39'19	-2°08'52	morning set	6458 Feb 24 12:03	27°  23'44	
minimum elong	6457 Apr 01 20:41	13°  48'46	2°08'49		6458 Feb 26 04:32	0° 	
	6457 Apr 11 04:57	0° 		max. Earth dist.	6458 Mar 08 09:03	15°  56'50	1.44446 AU
evening rise	6457 Apr 13 15:50	4°  21'20					
asc. node	6457 Apr 22 07:32	19°  26'58		superior conj	6458 Mar 13 00:06	23°  20'55	-2°07'00
	6457 Apr 29 18:58	0° 		minimum elong	6458 Mar 12 20:08	23°  04'56	2°06'52
evening max el	6457 Apr 30 12:22	0°  44'50	18°06'08		6458 Mar 17 02:18	0° 	
retrograde	6457 May 07 01:50	4°  07'01		evening rise	6458 Mar 26 15:24	15°  55'12	
evening set	6457 May 09 17:46	3°  33'29			6458 Apr 04 00:29	0° 	
	6457 May 14 17:57	30° 		asc. node	6458 Apr 09 04:36	8°  01'45	
inferior conj	6457 May 16 06:14	28°  32'30	2°52'51	evening max el	6458 Apr 14 01:26	14°  04'00	18°14'14
minimum elong	6457 May 16 09:04	28°  25'31	2°52'15	retrograde	6458 Apr 20 10:56	17°  28'04	
min. Earth dist.	6457 May 19 09:19	25°  28'42	0.61338 AU	evening set	6458 Apr 23 09:30	16°  42'12	
morning rise	6457 May 22 22:20	22°  34'09		inferior conj	6458 Apr 29 09:55	11°  22'10	3°20'35
desc. node	6457 May 27 22:47	20°  24'59		minimum elong	6458 Apr 29 11:22	11°  18'08	3°20'25
direct	6457 May 29 15:34	20°  16'21		min. Earth dist.	6458 May 01 23:40	8°  31'19	0.63441 AU
morning max el	6457 Jun 12 20:54	28°  15'11	27°52'46	morning rise	6458 May 05 12:04	5°  12'16	
	6457 Jun 14 13:28	0° 		direct	6458 May 12 07:29	2°  32'54	
	6457 Jul 05 12:53	0° 		desc. node	6458 May 14 19:49	2°  52'24	
morning set	6457 Jul 15 23:13	19°  25'11'5		morning max el	6458 May 26 04:59	10°  33'35	27°44'33
asc. node	6457 Jul 19 06:49	26°  24'8'39			6458 Jun 10 11:04	0° 	
	6457 Jul 20 18:24	0° 			6458 Jun 27 21:39	0° 	
max. Earth dist.	6457 Jul 21 19:34	2°  16'39	1.32050 AU	morning set	6458 Jun 29 20:03	3°  24'8'51	
				max. Earth dist.	6458 Jul 04 23:17	14°  23'20	1.32737 AU
superior conj	6457 Jul 23 08:07	5°  36'41	0°40'53	asc. node	6458 Jul 06 03:50	16°  25'50'9	
minimum elong	6457 Jul 23 06:24	5°  27'15	0°40'31				
evening rise	6457 Jul 30 03:32	20°  28'59		superior conj	6458 Jul 07 15:28	20°  26'23	0°15'16
	6457 Aug 03 17:56	0° 		minimum elong	6458 Jul 07 14:44	20°  02'26	0°15'04
	6457 Aug 23 01:54	0° 		behind sun begin	6458 Jul 07 12:58	19°  25'55	
desc. node	6457 Aug 23 21:59	0°  52'41		behind sun end	6458 Jul 07 16:30	20°  11'57	
evening max el	6457 Aug 25 03:05	2°  04'52	24°51'44		6458 Jul 12 05:01	0° 	
retrograde	6457 Sep 08 00:05	9°  04'33		evening rise	6458 Jul 14 15:17	5°  12'50	
evening set	6457 Sep 13 10:34	7°  57'59			6458 Jul 27 20:08	0° 	
min. Earth dist.	6457 Sep 18 14:22	5°  12'59	0.57081 AU	evening max el	6458 Aug 06 14:59	12°  25'05	23°14'44
inferior conj	6457 Sep 21 10:11	3°  22'11	-5°23'35	desc. node	6458 Aug 10 19:01	15°  53'32	
minimum elong	6457 Sep 21 11:56	3°  19'18	5°23'29	retrograde	6458 Aug 20 01:54	19°  09'15	
	6457 Sep 27 08:20	30° 		evening set	6458 Aug 24 00:27	18°  35'16	
morning rise	6457 Sep 29 15:32	29°  14'20		min. Earth dist.	6458 Aug 31 00:06	15°  22'50	0.55560 AU
direct	6457 Oct 02 05:11	28°  55'38		inferior conj	6458 Sep 01 19:01	14°  20'08	-5°11'56
	6457 Oct 06 19:37	0° 		minimum elong	6458 Sep 01 13:53	14°  27'39	5°11'21
morning max el	6457 Oct 11 10:27	3°  16'59	19°16'52	morning rise	6458 Sep 10 05:36	10°  28'43	
asc. node	6457 Oct 15 06:09	7°  36'18		direct	6458 Sep 13 04:23	10°  07'52	
morning set	6457 Oct 28 11:15	0° 		morning max el	6458 Sep 23 22:14	15°  08'09	20°29'27
	6457 Oct 28 03:51	0° 		asc. node	6458 Oct 02 03:10	25°  30'49	
					6458 Oct 04 19:50	0° 	
superior conj	6457 Nov 05 14:23	16°  45'32	1°30'20	morning set	6458 Oct 12 17:41	15°  16'18	

	6458 Oct 19 21:07	0°♄		direct	6459 Aug 24 14:22	20°♄25'09	
				morning max el	6459 Sep 05 21:57	26°♄13'07	22°01'38
superior conj	6458 Oct 20 06:32	0°♄47'53	1°40'13		6459 Sep 09 11:59	0°♄	
minimum elong	6458 Oct 20 07:43	0°♄53'55	1°40'11	asc. node	6459 Sep 19 00:11	14°♄07'45	
max. Earth dist.	6458 Oct 25 10:49	11°♄04'08	1.36258 AU	morning set	6459 Sep 27 03:34	0°♄04'24	
evening rise	6458 Oct 29 08:24	18°♄25'19			6459 Sep 27 02:44	0°♄	
	6458 Nov 04 21:42	0°♄					
desc. node	6458 Nov 06 18:14	3°♄06'19		superior conj	6459 Oct 04 07:25	15°♄15'00	1°42'32
	6458 Nov 25 03:10	0°♄		minimum elong	6459 Oct 04 07:12	15°♄13'55	1°42'32
evening max el	6458 Dec 03 23:23	9°♄59'37	26°03'57	max. Earth dist.	6459 Oct 08 00:31	22°♄57'07	1.34529 AU
retrograde	6458 Dec 16 13:47	17°♄09'00			6459 Oct 11 13:15	0°♄	
evening set	6458 Dec 22 18:16	14°♄36'59		evening rise	6459 Oct 12 11:16	1°♄46'54	
min. Earth dist.	6458 Dec 27 00:04	10°♄06'38	0.66825 AU	desc. node	6459 Oct 24 15:14	23°♄21'16	
inferior conj	6458 Dec 28 12:13	8°♄14'22	-0°12'02		6459 Oct 28 20:51	0°♄	
minimum elong	6458 Dec 28 12:32	8°♄13'23	0°11'51	evening max el	6459 Nov 16 12:14	23°♄37'46	26°56'08
transit middle	6458 Dec 28 12:32	8°♄13'23	0°11'51		6459 Nov 25 09:50	0°♄	
transit begin	6458 Dec 28 10:36	8°♄19'23		retrograde	6459 Nov 29 17:18	0°♄56'11	
transit end	6458 Dec 28 14:28	8°♄07'22			6459 Dec 03 17:39	30°♄♄	
asc. node	6458 Dec 29 02:26	7°♄30'21		evening set	6459 Dec 06 09:26	28°♄18'06	
morning rise	6459 Jan 03 07:22	2°♄25'23		min. Earth dist.	6459 Dec 10 08:58	24°♄22'34	0.65628 AU
direct	6459 Jan 06 11:01	1°♄28'45		inferior conj	6459 Dec 12 08:45	22°♄05'08	-1°13'18
morning max el	6459 Jan 13 05:13	5°♄10'42	18°48'28	minimum elong	6459 Dec 12 10:52	21°♄59'03	1°12'21
	6459 Jan 30 19:37	0°♄		asc. node	6459 Dec 15 23:28	18°♄16'38	
desc. node	6459 Feb 02 17:33	4°♄33'35		morning rise	6459 Dec 18 13:20	16°♄27'45	
morning set	6459 Feb 03 22:38	6°♄27'31		direct	6459 Dec 21 07:46	15°♄45'57	
	6459 Feb 18 23:28	0°♄		morning max el	6459 Dec 27 19:26	19°♄14'25	18°11'42
max. Earth dist.	6459 Feb 19 02:09	0°♄10'28	1.45272 AU		6460 Jan 04 23:32	0°♄	
				morning set	6460 Jan 15 13:37	16°♄57'43	
superior conj	6459 Feb 20 09:15	2°♄12'33	-1°45'15	desc. node	6460 Jan 20 14:32	25°♄07'09	
minimum elong	6459 Feb 20 00:03	1°♄36'28	1°44'27		6460 Jan 23 15:31	0°♄	
evening rise	6459 Mar 07 16:05	26°♄31'45					
	6459 Mar 09 19:40	0°♄		superior conj	6460 Jan 30 13:45	10°♄59'00	-1°06'25
greatest brilliancy	6459 Mar 13 23:52	6°♄44'13	-0.9m	minimum elong	6460 Jan 30 05:53	10°♄28'02	1°05'25
asc. node	6459 Mar 27 01:38	25°♄56'39		max. Earth dist.	6460 Feb 01 21:16	14°♄37'03	1.45359 AU
evening max el	6459 Mar 28 13:00	27°♄32'36	18°40'33		6460 Feb 11 17:44	0°♄	
	6459 Mar 31 12:01	0°♄		evening rise	6460 Feb 15 18:26	6°♄16'28	
retrograde	6459 Apr 04 03:36	1°♄11'26		greatest brilliancy	6460 Feb 27 20:13	24°♄55'55	-0.7m
evening set	6459 Apr 07 08:54	0°♄12'23			6460 Mar 02 05:58	0°♄	
	6459 Apr 07 16:43	30°♄♄		evening max el	6460 Mar 10 20:56	11°♄06'14	19°24'03
inferior conj	6459 Apr 13 01:01	24°♄35'04	3°28'50	asc. node	6460 Mar 12 22:39	12°♄59'55	
minimum elong	6459 Apr 13 01:00	24°♄35'10	3°28'50	retrograde	6460 Mar 18 00:23	15°♄10'47	
min. Earth dist.	6459 Apr 14 23:24	22°♄13'47	0.65239 AU	evening set	6460 Mar 21 13:11	13°♄57'47	
morning rise	6459 Apr 18 16:29	18°♄20'01		inferior conj	6460 Mar 27 00:10	8°♄05'07	3°22'05
direct	6459 Apr 25 07:07	15°♄31'30		minimum elong	6460 Mar 26 22:56	8°♄09'07	3°21'57
desc. node	6459 May 01 16:51	17°♄38'24		min. Earth dist.	6460 Mar 28 07:25	6°♄23'09	0.66632 AU
morning max el	6459 May 08 15:13	23°♄23'09	27°02'34	morning rise	6460 Apr 01 08:22	1°♄48'56	
	6459 May 14 12:22	0°♄			6460 Apr 03 21:15	30°♄♄	
	6459 Jun 03 19:02	0°♄		direct	6460 Apr 07 13:15	29°♄03'42	
morning set	6459 Jun 13 07:10	17°♄14'57			6460 Apr 11 12:44	0°♄	
max. Earth dist.	6459 Jun 17 17:37	26°♄00'59	1.33890 AU	desc. node	6460 Apr 17 13:53	4°♄10'16	
	6459 Jun 19 16:22	0°♄		morning max el	6460 Apr 20 01:04	6°♄31'28	25°54'47
					6460 May 08 05:01	0°♄	
superior conj	6459 Jun 21 17:33	4°♄16'00	-0°13'21	morning set	6460 May 26 04:41	29°♄58'56	
minimum elong	6459 Jun 21 18:16	4°♄19'45	0°13'15		6460 May 26 04:55	0°♄	
behind sun begin	6459 Jun 21 15:04	4°♄03'00		max. Earth dist.	6460 May 30 00:33	7°♄11'06	1.35513 AU
behind sun end	6459 Jun 21 21:28	4°♄36'30					
asc. node	6459 Jun 23 00:51	7°♄00'47		superior conj	6460 Jun 04 11:53	17°♄59'06	-0°43'46
evening rise	6459 Jun 29 01:48	19°♄48'44		minimum elong	6460 Jun 04 14:22	18°♄11'44	0°43'20
	6459 Jul 04 02:10	0°♄		asc. node	6460 Jun 08 21:52	27°♄01'53	
evening max el	6459 Jul 19 07:21	22°♄48'15	21°39'06		6460 Jun 10 08:21	0°♄	
desc. node	6459 Jul 28 16:03	28°♄35'21		evening rise	6460 Jun 12 09:03	4°♄10'52	
retrograde	6459 Jul 31 17:21	28°♄57'32			6460 Jun 27 03:31	0°♄	
evening set	6459 Aug 03 07:21	28°♄42'24		evening max el	6460 Jun 30 11:13	3°♄44'36	20°17'06
inferior conj	6459 Aug 12 14:08	24°♄42'03	-4°07'11	retrograde	6460 Jul 11 06:23	9°♄02'50	
minimum elong	6459 Aug 12 04:59	24°♄54'52	4°04'48	evening set	6460 Jul 13 05:00	8°♄53'17	
min. Earth dist.	6459 Aug 12 09:36	24°♄48'23	0.54787 AU	desc. node	6460 Jul 14 13:05	8°♄36'11	
morning rise	6459 Aug 21 03:49	20°♄50'56		inferior conj	6460 Jul 22 08:31	4°♄55'30	-2°20'00

minimum elong	6460 Jul 22 02:03	5°Ω05'00	2°17'42	min. Earth dist.	6461 Jul 05 10:48	13°Ω39'15	0.56079 AU
min. Earth dist.	6460 Jul 23 20:55	4°Ω02'02	0.54966 AU	morning rise	6461 Jul 10 22:32	10°Ω44'53	
morning rise	6460 Jul 30 21:54	0°Ω44'16		direct	6461 Jul 15 22:31	9°Ω47'24	
direct	6460 Aug 04 00:59	0°Ω07'21		morning max el	6461 Jul 30 02:15	16°Ω59'42	25°26'57
morning max el	6460 Aug 17 13:10	6°Ω42'31	23°45'24		6461 Aug 09 17:52	0°Ω	
	6460 Sep 03 03:21	0°Π		asc. node	6461 Aug 22 18:13	22°Ω48'18	
asc. node	6460 Sep 04 21:12	3°Π16'37		morning set	6461 Aug 26 02:38	29°Ω45'29	
morning set	6460 Sep 10 15:07	14°Π56'03			6461 Aug 26 05:22	0°Π	
superior conj	6460 Sep 17 14:09	29°Π58'03	1°38'19	superior conj	6461 Sep 02 00:21	14°Π48'45	1°28'25
minimum elong	6460 Sep 17 12:50	29°Π50'58	1°38'15	minimum elong	6461 Sep 01 22:20	14°Π37'40	1°28'12
	6460 Sep 17 14:30	0°Ω		max. Earth dist.	6461 Sep 03 04:56	17°Π25'40	1.32323 AU
max. Earth dist.	6460 Sep 19 23:02	5°Ω03'26	1.33210 AU	evening rise	6461 Sep 09 02:20	0°Ω01'29	
evening rise	6460 Sep 25 02:23	15°Ω42'27			6461 Sep 09 02:02	0°Ω	
	6460 Oct 02 14:55	0°Π			6461 Sep 25 16:15	0°Π	
desc. node	6460 Oct 10 12:15	13°Π14'03		desc. node	6461 Sep 27 09:17	2°Π34'58	
	6460 Oct 22 13:32	0°♂		evening max el	6461 Oct 11 09:47	19°Π50'22	27°23'21
evening max el	6460 Oct 29 00:26	6°♂59'13	27°24'38	retrograde	6461 Oct 25 04:48	27°Π04'10	
retrograde	6460 Nov 11 14:36	14°♂17'36		evening set	6461 Nov 01 08:21	24°Π39'24	
evening set	6460 Nov 18 15:13	11°♂41'13		min. Earth dist.	6461 Nov 04 23:58	21°Π45'07	0.62265 AU
min. Earth dist.	6460 Nov 22 09:34	8°♂18'46	0.64098 AU	inferior conj	6461 Nov 07 22:00	19°Π02'12	-3°24'13
inferior conj	6460 Nov 24 21:00	5°♂43'32	-2°18'24	minimum elong	6461 Nov 08 04:01	18°Π48'10	3°22'11
minimum elong	6460 Nov 25 01:09	5°♂32'38	2°16'43	morning rise	6461 Nov 15 01:34	13°Π57'26	
morning rise	6460 Dec 01 12:37	0°♂20'42		direct	6461 Nov 17 09:05	13°Π33'40	
asc. node	6460 Dec 01 20:31	0°♂13'07		asc. node	6461 Nov 18 17:33	13°Π42'02	
	6460 Dec 02 14:03	30°κΠ		morning max el	6461 Nov 24 04:44	17°Π02'04	17°50'11
direct	6460 Dec 04 00:11	29°Π49'44			6461 Dec 03 09:24	0°♂	
	6460 Dec 05 10:16	0°♂		morning set	6461 Dec 10 02:08	11°♂47'03	
morning max el	6460 Dec 10 12:17	3°♂14'00	17°51'58		6461 Dec 20 11:00	0°Ω	
morning set	6460 Dec 27 08:50	28°♂50'38					
	6460 Dec 28 01:08	0°Ω		superior conj	6461 Dec 21 05:34	1°Ω18'59	0°22'22
desc. node	6461 Jan 06 11:31	15°Ω48'24		minimum elong	6461 Dec 21 07:37	1°Ω27'41	0°22'07
				desc. node	6461 Dec 24 08:31	6°Ω34'02	
superior conj	6461 Jan 09 08:59	20°Ω31'49	-0°20'27	max. Earth dist.	6461 Dec 28 08:03	13°Ω06'25	1.43411 AU
minimum elong	6461 Jan 09 06:38	20°Ω22'20	0°20'05	evening rise	6462 Jan 04 19:42	24°Ω59'45	
max. Earth dist.	6461 Jan 14 16:00	29°Ω00'52	1.44714 AU		6462 Jan 08 01:30	0°≈	
	6461 Jan 15 06:56	0°≈			6462 Jan 28 20:28	0°℥	
evening rise	6461 Jan 25 06:40	15°≈33'12		evening max el	6462 Feb 04 21:22	8°℥19'08	21°33'13
	6461 Feb 03 19:05	0°℥		retrograde	6462 Feb 13 20:27	13°℥37'50	
evening max el	6461 Feb 21 23:52	24°℥41'58	20°22'41	asc. node	6462 Feb 14 16:46	13°℥34'04	
asc. node	6461 Feb 27 19:42	28°℥57'14		evening set	6462 Feb 18 04:06	11°℥54'50	
retrograde	6461 Mar 01 22:40	29°℥20'53		inferior conj	6462 Feb 23 11:55	5°℥38'08	2°34'50
evening set	6461 Mar 05 20:11	27°℥53'10		minimum elong	6462 Feb 23 09:35	5°℥46'13	2°34'13
inferior conj	6461 Mar 11 04:33	21°℥47'10	3°03'25	min. Earth dist.	6462 Feb 23 16:21	5°℥22'44	0.68119 AU
minimum elong	6461 Mar 11 02:33	21°℥54'00	3°03'02		6462 Feb 28 00:18	30°κ≈	
min. Earth dist.	6461 Mar 11 21:45	20°℥48'34	0.67591 AU	morning rise	6462 Feb 28 14:54	29°≈25'58	
morning rise	6461 Mar 16 08:42	15°℥32'16		direct	6462 Mar 05 16:41	27°≈13'54	
direct	6461 Mar 22 00:46	13°℥00'24			6462 Mar 12 04:57	0°℥	
morning max el	6461 Apr 02 09:46	19°℥48'49	24°31'01	morning max el	6462 Mar 15 19:17	3°℥13'11	23°01'34
desc. node	6461 Apr 04 10:54	21°℥58'42		desc. node	6462 Mar 22 07:53	10°℥42'13	
	6461 Apr 11 02:09	0°Υ			6462 Apr 05 05:03	0°Υ	
	6461 May 01 08:49	0°♄		morning set	6462 Apr 19 09:48	22°Υ21'58	
morning set	6461 May 08 07:28	11°♄46'03			6462 Apr 23 21:54	0°♄	
max. Earth dist.	6461 May 11 22:27	18°♄14'01	1.37535 AU	max. Earth dist.	6462 Apr 23 18:30	29°Υ45'19	1.39752 AU
	6461 May 18 05:23	0°Π					
superior conj	6461 May 18 19:13	1°Π06'41	-1°14'11	superior conj	6462 May 01 11:32	13°♄29'10	-1°41'45
minimum elong	6461 May 18 23:29	1°Π27'23	1°13'32	minimum elong	6462 May 01 16:52	13°♄53'41	1°41'10
asc. node	6461 May 26 18:54	16°Π53'48			6462 May 10 05:38	0°Π	
evening rise	6461 May 27 10:35	18°Π11'51		evening rise	6462 May 11 03:25	1°Π44'15	
	6461 Jun 02 13:38	0°Ω		asc. node	6462 May 13 15:57	6°Π32'20	
evening max el	6461 Jun 13 03:47	15°Ω23'33	19°14'14	evening max el	6462 May 27 06:38	27°Π42'15	18°31'57
retrograde	6461 Jun 22 05:54	19°Ω51'18			6462 May 30 02:50	0°Ω	
evening set	6461 Jun 24 04:27	19°Ω39'59		retrograde	6462 Jun 04 00:10	1°Ω32'14	
desc. node	6461 Jul 01 10:08	16°Ω19'14		evening set	6462 Jun 06 04:48	1°Ω14'42	
inferior conj	6461 Jul 02 15:57	15°Ω30'08	-0°22'25		6462 Jun 09 04:32	30°κΠ	
minimum elong	6461 Jul 02 14:58	15°Ω31'45	0°22'05	inferior conj	6462 Jun 13 20:16	26°Π45'32	1°16'32
				minimum elong	6462 Jun 13 22:50	26°Π40'30	1°15'36

min. Earth dist.	6462 Jun 17 05:03	24° Π 08'52	0.57888 AU	min. Earth dist.	6463 May 30 05:56	5° Π 42'05	0.60054 AU
desc. node	6462 Jun 18 07:10	23° Π 21'52		morning rise	6463 Jun 02 22:55	2° Π 55'09	
morning rise	6462 Jun 21 13:32	21° Π 24'32		desc. node	6463 Jun 05 04:12	1° Π 46'49	
direct	6462 Jun 27 10:08	19° Π 57'14		direct	6463 Jun 09 10:49	0° Π 54'28	
morning max el	6462 Jul 11 19:26	27° Π 35'21	26°49'40	morning max el	6463 Jun 23 19:16	8° Π 49'06	27°40'33
	6462 Jul 14 03:36	0° \mathfrak{C}			6463 Jul 10 00:12	0° \mathfrak{C}	
	6462 Aug 03 06:33	0° Ω		morning set	6463 Jul 25 19:02	28° \mathfrak{C} 58'59	
asc. node	6462 Aug 09 15:15	12° Ω 36'31			6463 Jul 26 06:44	0° Ω	
morning set	6462 Aug 10 12:31	14° Ω 28'10		asc. node	6463 Jul 27 12:17	2° Ω 35'55	
				max. Earth dist.	6463 Aug 01 01:49	12° Ω 30'00	1.31852 AU
superior conj	6462 Aug 17 12:04	29° Ω 41'11	1°13'28	superior conj	6463 Aug 01 23:33	14° Ω 29'54	0°53'59
minimum elong	6462 Aug 17 09:48	29° Ω 28'35	1°13'06	minimum elong	6463 Aug 01 21:30	14° Ω 18'31	0°53'34
max. Earth dist.	6462 Aug 17 15:08	29° Ω 58'06	1.31872 AU	evening rise	6463 Aug 08 18:11	29° Ω 19'42	
	6462 Aug 17 15:28	0° \mathfrak{M}			6463 Aug 09 01:45	0° \mathfrak{M}	
evening rise	6462 Aug 24 08:21	14° \mathfrak{M} 36'08			6463 Aug 25 13:03	0° \mathfrak{A}	
	6462 Sep 01 02:07	0° \mathfrak{A}		desc. node	6463 Sep 01 03:23	8° \mathfrak{A} 44'39	
desc. node	6462 Sep 14 06:20	21° \mathfrak{A} 11'04		evening max el	6463 Sep 05 09:18	13° \mathfrak{A} 15'30	25°41'37
	6462 Sep 21 14:00	0° \mathfrak{M}		retrograde	6463 Sep 19 07:58	20° \mathfrak{A} 20'23	
evening max el	6462 Sep 23 13:25	1° \mathfrak{M} 57'51	26°48'30	evening set	6463 Sep 25 11:04	18° \mathfrak{A} 52'08	
retrograde	6462 Oct 07 11:00	9° \mathfrak{M} 06'52		min. Earth dist.	6463 Sep 29 21:29	16° \mathfrak{A} 15'33	0.58162 AU
evening set	6462 Oct 14 08:35	7° \mathfrak{M} 05'06		inferior conj	6463 Oct 03 00:34	14° \mathfrak{A} 02'42	-5°10'25
min. Earth dist.	6462 Oct 18 03:24	4° \mathfrak{M} 28'15	0.60227 AU	minimum elong	6463 Oct 03 05:13	13° \mathfrak{A} 54'24	5°09'49
inferior conj	6462 Oct 21 08:19	1° \mathfrak{M} 51'36	-4°24'59	morning rise	6463 Oct 11 01:42	9° \mathfrak{A} 42'36	
minimum elong	6462 Oct 21 15:01	1° \mathfrak{M} 37'54	4°23'20	direct	6463 Oct 13 11:26	9° \mathfrak{A} 24'24	
	6462 Oct 23 16:53	30° \mathfrak{R} \mathfrak{A}		morning max el	6463 Oct 21 23:00	13° \mathfrak{A} 28'05	18°45'20
morning rise	6462 Oct 28 23:36	27° \mathfrak{A} 08'22		asc. node	6463 Oct 23 11:37	15° \mathfrak{A} 03'00	
direct	6462 Oct 31 06:20	26° \mathfrak{A} 48'42		morning set	6463 Nov 02 06:03	0° \mathfrak{M}	
asc. node	6462 Nov 05 14:35	28° \mathfrak{A} 42'37			6463 Nov 07 07:14	9° \mathfrak{M} 38'34	
	6462 Nov 07 04:47	0° \mathfrak{M}		superior conj	6463 Nov 15 21:35	26° \mathfrak{M} 18'00	1°20'44
morning max el	6462 Nov 07 17:28	0° \mathfrak{M} 29'50	18°07'30	minimum elong	6463 Nov 16 00:54	26° \mathfrak{M} 33'37	1°20'25
morning set	6462 Nov 23 11:12	25° \mathfrak{M} 27'34			6463 Nov 17 21:00	0° \mathfrak{A}	
	6462 Nov 25 21:21	0° \mathfrak{A}		max. Earth dist.	6463 Nov 23 01:27	9° \mathfrak{A} 23'10	1.39511 AU
superior conj	6462 Dec 03 03:21	13° \mathfrak{A} 18'54	0°56'32	evening rise	6463 Nov 27 01:12	16° \mathfrak{A} 16'56	
minimum elong	6462 Dec 03 07:01	13° \mathfrak{A} 35'19	0°56'06	desc. node	6463 Nov 28 02:34	18° \mathfrak{A} 03'47	
max. Earth dist.	6462 Dec 10 19:13	26° \mathfrak{A} 36'56	1.41601 AU		6463 Dec 05 11:41	0° \mathfrak{C}	
desc. node	6462 Dec 11 05:32	27° \mathfrak{A} 20'15			6463 Dec 26 23:43	0° \mathfrak{A}	
	6462 Dec 12 19:56	0° \mathfrak{C}		evening max el	6464 Jan 01 03:50	5° \mathfrak{A} 40'10	24°11'10
evening rise	6462 Dec 15 23:30	5° \mathfrak{C} 08'32		retrograde	6464 Jan 12 08:33	12° \mathfrak{A} 14'45	
	6463 Jan 01 07:56	0° \mathfrak{A}		evening set	6464 Jan 17 16:16	10° \mathfrak{A} 01'43	
evening max el	6463 Jan 18 14:04	21° \mathfrak{A} 57'54	22°51'18	asc. node	6464 Jan 19 10:52	8° \mathfrak{A} 17'01	
retrograde	6463 Jan 28 16:11	27° \mathfrak{A} 57'08		min. Earth dist.	6464 Jan 22 09:19	4° \mathfrak{A} 36'36	0.67977 AU
asc. node	6463 Feb 01 13:50	26° \mathfrak{A} 39'27		inferior conj	6464 Jan 23 03:47	3° \mathfrak{A} 34'16	1°12'43
evening set	6463 Feb 02 11:19	25° \mathfrak{A} 58'44		minimum elong	6464 Jan 23 02:11	3° \mathfrak{A} 39'41	1°12'09
inferior conj	6463 Feb 07 20:16	19° \mathfrak{A} 34'35	1°57'38		6464 Jan 25 22:43	30° \mathfrak{R} \mathfrak{C}	
minimum elong	6463 Feb 07 18:04	19° \mathfrak{A} 42'12	1°56'55	morning rise	6464 Jan 28 12:11	27° \mathfrak{C} 31'48	
min. Earth dist.	6463 Feb 07 12:57	19° \mathfrak{A} 59'56	0.68239 AU	direct	6464 Feb 01 10:03	26° \mathfrak{C} 04'40	
morning rise	6463 Feb 13 00:45	13° \mathfrak{A} 26'32			6464 Feb 08 16:51	0° \mathfrak{A}	
direct	6463 Feb 17 12:09	11° \mathfrak{A} 37'01		morning max el	6464 Feb 09 05:42	0° \mathfrak{A} 31'20	20°19'07
morning max el	6463 Feb 26 08:59	16° \mathfrak{A} 46'30	21°35'21	desc. node	6464 Feb 24 01:54	19° \mathfrak{A} 56'36	
desc. node	6463 Mar 09 04:53	0° \mathfrak{A} 05'01			6464 Mar 01 19:40	0° \mathfrak{A}	
	6463 Mar 09 03:26	0° \mathfrak{A}		morning set	6464 Mar 08 08:03	9° \mathfrak{A} 58'14	
	6463 Mar 29 07:01	0° \mathfrak{Y}		max. Earth dist.	6464 Mar 18 02:02	25° \mathfrak{A} 19'14	1.43667 AU
morning set	6463 Mar 30 07:56	1° \mathfrak{Y} 38'41			6464 Mar 20 23:33	0° \mathfrak{Y}	
max. Earth dist.	6463 Apr 05 18:49	12° \mathfrak{Y} 06'14	1.41885 AU	superior conj	6464 Mar 24 04:12	5° \mathfrak{Y} 14'11	-2°10'21
superior conj	6463 Apr 13 07:58	24° \mathfrak{Y} 54'26	-2°02'19	minimum elong	6464 Mar 24 04:06	5° \mathfrak{Y} 13'45	2°10'22
minimum elong	6463 Apr 13 12:19	25° \mathfrak{Y} 13'21	2°02'06	evening rise	6464 Apr 05 19:05	26° \mathfrak{Y} 43'26	
	6463 Apr 16 05:33	0° \mathfrak{B}			6464 Apr 07 16:12	0° \mathfrak{B}	
evening rise	6463 Apr 24 07:44	14° \mathfrak{B} 38'02		asc. node	6464 Apr 16 10:03	14° \mathfrak{B} 45'02	
asc. node	6463 Apr 30 13:01	25° \mathfrak{B} 51'37		evening max el	6464 Apr 23 04:51	23° \mathfrak{B} 42'34	18°07'18
	6463 May 02 23:17	0° \mathfrak{B}		retrograde	6464 Apr 29 15:35	27° \mathfrak{B} 03'58	
evening max el	6463 May 10 16:09	10° \mathfrak{B} 31'40	18°09'55	evening set	6464 May 02 10:16	26° \mathfrak{B} 25'29	
retrograde	6463 May 17 12:46	13° \mathfrak{B} 59'45		inferior conj	6464 May 08 17:09	21° \mathfrak{B} 16'28	3°07'18
evening set	6463 May 20 00:33	13° \mathfrak{B} 32'50		minimum elong	6464 May 08 19:27	21° \mathfrak{B} 10'29	3°06'55
inferior conj	6463 May 26 21:48	8° \mathfrak{B} 43'20	2°25'54	min. Earth dist.	6464 May 11 15:10	18° \mathfrak{B} 15'18	0.62261 AU
minimum elong	6463 May 27 01:04	8° \mathfrak{B} 35'52	2°25'02				

morning rise	6464 May 15 02:56	15°♄12'02		min. Earth dist.	6465 Apr 24 09:33	1°♄37'09	0.64257 AU
direct	6464 May 21 22:05	12°♄43'17			6465 Apr 25 21:35	30°♄	
desc. node	6464 May 22 01:14	12°♄43'20		morning rise	6465 Apr 27 23:22	28°♄04'40	
morning max el	6464 Jun 05 00:50	20°♄44'57	27°53'42	direct	6465 May 04 17:42	25°♄19'33	
	6464 Jun 13 00:17	0°♄		desc. node	6465 May 08 22:15	26°♄13'58	
	6464 Jul 02 00:54	0°♄			6465 May 14 20:11	0°♄	
morning set	6464 Jul 08 20:04	13°♄10'44		morning max el	6465 May 18 09:57	3°♄17'44	27°30'19
asc. node	6464 Jul 13 09:18	22°♄41'03			6465 Jun 07 10:08	0°♄	
max. Earth dist.	6464 Jul 14 09:00	24°♄48'16	1.32278 AU	morning set	6465 Jun 22 13:10	26°♄56'15	
					6465 Jun 24 02:08	0°♄	
superior conj	6464 Jul 16 08:57	29°♄08'20	0°30'27	max. Earth dist.	6465 Jun 27 08:58	6°♄42'50	1.33171 AU
minimum elong	6464 Jul 16 07:35	29°♄00'55	0°30'07	asc. node	6465 Jun 30 06:19	12°♄47'56	
	6464 Jul 16 18:25	0°♄					
evening rise	6464 Jul 23 05:45	14°♄05'03		superior conj	6465 Jun 30 14:21	13°♄30'47	0°03'28
	6464 Jul 31 04:11	0°♄		minimum elong	6465 Jun 30 14:11	13°♄29'50	0°03'23
evening max el	6464 Aug 16 22:38	23°♄50'10	24°11'26	behind sun begin	6465 Jun 30 08:51	13°♄01'26	
desc. node	6464 Aug 18 00:26	24°♄50'11		behind sun end	6465 Jun 30 19:31	13°♄58'17	
	6464 Aug 26 06:06	0°♄		evening rise	6465 Jul 07 17:13	28°♄46'31	
retrograde	6464 Aug 30 17:18	0°♄45'35			6465 Jul 08 07:09	0°♄	
	6464 Sep 04 06:04	30°♄			6465 Jul 25 17:28	0°♄	
evening set	6464 Sep 04 12:52	29°♄54'17		evening max el	6465 Jul 29 11:33	4°♄07'58	22°33'02
min. Earth dist.	6464 Sep 10 09:28	26°♄59'11	0.56353 AU	desc. node	6465 Aug 04 21:27	8°♄56'01	
inferior conj	6464 Sep 12 20:33	25°♄27'28	-5°24'45	retrograde	6465 Aug 11 13:46	10°♄39'02	
minimum elong	6464 Sep 12 19:28	25°♄29'08	5°24'44	evening set	6465 Aug 14 21:00	10°♄15'08	
morning rise	6464 Sep 21 04:25	21°♄27'44		min. Earth dist.	6465 Aug 22 18:49	6°♄46'51	0.55129 AU
direct	6464 Sep 23 21:22	21°♄08'30		inferior conj	6465 Aug 23 22:22	6°♄07'46	-4°50'59
morning max el	6464 Oct 03 17:55	25°♄45'41	19°45'06	minimum elong	6465 Aug 23 14:47	6°♄18'33	4°49'37
	6464 Oct 07 13:17	0°♄		morning rise	6465 Sep 01 10:27	2°♄18'35	
asc. node	6464 Oct 09 08:38	2°♄27'04		direct	6465 Sep 04 14:05	1°♄55'54	
morning set	6464 Oct 21 10:38	24°♄09'17		morning max el	6465 Sep 16 00:14	7°♄16'05	21°06'30
	6464 Oct 24 07:45	0°♄		asc. node	6465 Sep 26 05:39	20°♄40'49	
					6465 Oct 01 09:01	0°♄	
superior conj	6464 Oct 29 06:58	10°♄00'17	1°35'31	morning set	6465 Oct 05 18:45	8°♄52'42	
minimum elong	6464 Oct 29 09:01	10°♄10'24	1°35'24				
max. Earth dist.	6464 Nov 04 06:34	21°♄32'03	1.37396 AU	superior conj	6465 Oct 13 03:12	24°♄13'40	1°42'02
evening rise	6464 Nov 08 00:47	28°♄23'59		minimum elong	6465 Oct 13 03:46	24°♄16'38	1°42'03
	6464 Nov 08 22:24	0°♄			6465 Oct 15 23:04	0°♄	
desc. node	6464 Nov 13 23:36	8°♄40'00		max. Earth dist.	6465 Oct 17 16:15	3°♄25'34	1.35483 AU
	6464 Nov 27 20:38	0°♄		evening rise	6465 Oct 21 18:53	11°♄21'15	
evening max el	6464 Dec 13 16:43	19°♄25'30	25°26'08	desc. node	6465 Oct 31 20:37	29°♄04'16	
retrograde	6464 Dec 25 20:29	26°♄25'17			6465 Nov 01 10:15	0°♄	
evening set	6464 Dec 31 17:20	23°♄59'31			6465 Nov 23 04:12	0°♄	
min. Earth dist.	6465 Jan 05 03:05	19°♄08'46	0.67345 AU	evening max el	6465 Nov 26 05:45	3°♄09'00	26°28'44
asc. node	6465 Jan 05 07:54	18°♄53'23		retrograde	6465 Dec 09 03:00	10°♄22'44	
inferior conj	6465 Jan 06 08:37	17°♄33'37	0°20'47	evening set	6465 Dec 15 12:41	7°♄47'41	
minimum elong	6465 Jan 06 08:06	17°♄35'19	0°20'36	min. Earth dist.	6465 Dec 19 15:52	3°♄32'02	0.66357 AU
morning rise	6465 Jan 11 23:12	11°♄38'50		inferior conj	6465 Dec 21 08:48	1°♄28'40	-0°37'25
direct	6465 Jan 15 09:02	10°♄31'53		minimum elong	6465 Dec 21 09:50	1°♄25'33	0°36'56
morning max el	6465 Jan 22 10:19	14°♄26'50	19°17'00		6465 Dec 22 14:38	30°♄	
	6465 Feb 03 06:10	0°♄		asc. node	6465 Dec 23 04:56	29°♄19'13	
greatest brilliancy	6465 Feb 04 17:08	2°♄10'42	-0.7m	morning rise	6465 Dec 27 07:43	25°♄44'03	
desc. node	6465 Feb 09 22:55	10°♄09'03		direct	6465 Dec 30 07:16	24°♄54'02	
morning set	6465 Feb 15 07:44	18°♄25'38		morning max el	6466 Jan 05 21:40	28°♄28'51	18°30'47
	6465 Feb 22 18:29	0°♄			6466 Jan 07 07:57	0°♄	
max. Earth dist.	6465 Feb 28 16:11	9°♄15'36	1.44883 AU	morning set	6466 Jan 26 05:40	28°♄04'20	
					6466 Jan 27 10:48	0°♄	
superior conj	6465 Mar 04 00:02	14°♄31'39	-2°00'15	desc. node	6466 Jan 27 19:54	0°♄36'07	
minimum elong	6465 Mar 03 17:18	14°♄04'55	1°59'52				
	6465 Mar 13 14:19	0°♄		superior conj	6466 Feb 11 04:40	23°♄13'42	-1°30'23
evening rise	6465 Mar 18 09:10	7°♄53'02		minimum elong	6466 Feb 10 19:10	22°♄36'28	1°29'23
	6465 Apr 01 02:10	0°♄		max. Earth dist.	6466 Feb 11 10:54	23°♄38'06	1.45400 AU
asc. node	6465 Apr 03 07:05	3°♄04'33			6466 Feb 15 12:21	0°♄	
evening max el	6465 Apr 06 17:41	7°♄07'21	18°23'18	evening rise	6466 Feb 26 23:52	18°♄05'40	
retrograde	6465 Apr 13 04:15	10°♄35'53			6466 Mar 06 12:10	0°♄	
evening set	6465 Apr 16 05:40	9°♄44'29		greatest brilliancy	6466 Mar 08 04:40	2°♄39'02	-0.8m
inferior conj	6465 Apr 22 02:10	4°♄17'10	3°26'08	evening max el	6466 Mar 21 04:01	20°♄38'51	18°57'04
minimum elong	6465 Apr 22 02:58	4°♄14'50	3°26'04	asc. node	6466 Mar 21 04:08	20°♄39'10	

retrograde	6466 Mar 27 22:59	24°♄27'00		evening set	6467 Mar 15 13:12	7°♄12'26	
evening set	6466 Mar 31 07:28	23°♄21'55		inferior conj	6467 Mar 20 22:45	1°♄13'32	3°15'30
inferior conj	6466 Apr 05 21:03	17°♄37'48	3°27'36	minimum elong	6467 Mar 20 21:09	1°♄18'54	3°15'16
minimum elong	6466 Apr 05 20:28	17°♄39'38	3°27'33		6467 Mar 21 20:47	30°♄	
min. Earth dist.	6466 Apr 07 12:49	15°♄32'44	0.65888 AU	min. Earth dist.	6467 Mar 21 23:46	29°♄50'06	0.67091 AU
morning rise	6466 Apr 11 09:03	11°♄22'10		morning rise	6467 Mar 26 04:52	24°♄57'40	
direct	6466 Apr 17 20:05	8°♄33'50		direct	6467 Apr 01 04:26	22°♄17'26	
desc. node	6466 Apr 25 19:16	11°♄48'57		desc. node	6467 Apr 12 16:17	28°♄56'31	
morning max el	6466 Apr 30 20:08	16°♄16'18	26°36'22	morning max el	6467 Apr 13 05:41	29°♄30'00	25°20'35
	6466 May 12 04:30	0°♄			6467 Apr 13 17:24	0°♄	
	6466 May 31 06:38	0°♄			6467 May 06 00:53	0°♄	
morning set	6466 Jun 05 19:00	10°♄05'33		morning set	6467 May 19 09:16	22°♄27'16	
max. Earth dist.	6466 Jun 09 22:39	18°♄08'18	1.34536 AU	max. Earth dist.	6467 May 23 01:36	29°♄13'33	1.36340 AU
					6467 May 23 11:29	0°♄	
superior conj	6466 Jun 14 13:29	27°♄29'59	-0°26'07	superior conj	6467 May 29 03:34	10°♄58'53	-0°56'48
minimum elong	6466 Jun 14 14:55	27°♄37'26	0°25'52	minimum elong	6467 May 29 06:51	11°♄15'12	0°56'15
	6466 Jun 15 18:23	0°♄		asc. node	6467 Jun 04 00:22	22°♄49'50	
asc. node	6466 Jun 17 03:20	2°♄52'07		evening rise	6467 Jun 06 07:48	27°♄31'43	
evening rise	6466 Jun 22 02:37	13°♄17'27			6467 Jun 07 13:12	0°♄	
	6466 Jun 30 16:55	0°♄		evening max el	6467 Jun 23 17:30	25°♄55'51	19°47'43
evening max el	6466 Jul 11 08:13	14°♄42'10	21°01'56		6467 Jun 29 12:48	0°♄	
desc. node	6466 Jul 22 18:28	20°♄30'19		retrograde	6467 Jul 03 18:54	0°♄52'13	
retrograde	6466 Jul 23 02:26	20°♄30'35		evening set	6467 Jul 05 16:02	0°♄42'36	
evening set	6466 Jul 25 07:50	20°♄18'55			6467 Jul 08 06:34	30°♄	
inferior conj	6466 Aug 03 15:13	16°♄21'24	-3°25'14	desc. node	6467 Jul 09 15:32	29°♄25'48	
minimum elong	6466 Aug 03 06:29	16°♄33'44	3°22'30	inferior conj	6467 Jul 14 13:44	26°♄40'43	-1°29'16
min. Earth dist.	6466 Aug 04 04:32	16°♄02'38	0.54752 AU	minimum elong	6467 Jul 14 09:37	26°♄47'04	1°27'45
morning rise	6466 Aug 12 05:28	12°♄24'33		min. Earth dist.	6467 Jul 16 16:46	25°♄22'12	0.55335 AU
direct	6466 Aug 15 22:35	11°♄54'58		morning rise	6467 Jul 23 01:08	22°♄15'55	
morning max el	6466 Aug 28 19:30	18°♄02'52	22°45'06	direct	6467 Jul 27 12:26	21°♄31'50	
	6466 Sep 07 11:13	0°♄		morning max el	6467 Aug 10 09:10	28°♄24'12	24°29'58
asc. node	6466 Sep 13 02:40	9°♄32'22			6467 Aug 11 23:51	0°♄	
morning set	6466 Sep 20 05:36	23°♄43'07		asc. node	6467 Aug 30 23:41	28°♄51'54	
	6466 Sep 23 04:22	0°♄			6467 Aug 31 13:27	0°♄	
superior conj	6466 Sep 27 06:53	8°♄48'25	1°41'28	morning set	6467 Sep 04 17:20	8°♄34'41	
minimum elong	6466 Sep 27 06:10	8°♄44'36	1°41'28	superior conj	6467 Sep 11 15:22	23°♄35'48	1°34'46
max. Earth dist.	6466 Sep 30 09:59	15°♄24'14	1.33918 AU	minimum elong	6467 Sep 11 13:43	23°♄26'44	1°34'39
evening rise	6466 Oct 05 03:25	24°♄58'20		max. Earth dist.	6467 Sep 13 11:55	27°♄37'32	1.32774 AU
	6466 Oct 07 17:56	0°♄			6467 Sep 14 14:26	0°♄	
desc. node	6466 Oct 18 17:38	19°♄10'55		evening rise	6467 Sep 18 22:38	9°♄04'48	
	6466 Oct 25 21:54	0°♄			6467 Sep 30 03:10	0°♄	
evening max el	6466 Nov 08 18:34	16°♄41'41	27°11'34	desc. node	6467 Oct 05 14:40	8°♄51'40	
retrograde	6466 Nov 22 03:45	24°♄00'20		evening max el	6467 Oct 22 05:38	29°♄51'06	27°27'58
evening set	6466 Nov 29 00:12	21°♄21'49			6467 Oct 22 09:24	0°♄	
min. Earth dist.	6466 Dec 02 21:21	17°♄40'56	0.65017 AU	retrograde	6467 Nov 04 22:13	7°♄08'25	
inferior conj	6466 Dec 05 02:09	15°♄14'59	-1°40'34	evening set	6467 Nov 12 01:04	4°♄35'14	
minimum elong	6466 Dec 05 05:07	15°♄06'46	1°39'18	min. Earth dist.	6467 Nov 15 17:37	1°♄26'01	0.63349 AU
asc. node	6466 Dec 10 01:58	10°♄31'05			6467 Nov 17 04:26	30°♄	
morning rise	6466 Dec 11 11:16	9°♄43'33		inferior conj	6467 Nov 18 09:59	28°♄45'45	-2°46'31
direct	6466 Dec 14 02:35	9°♄06'43		minimum elong	6467 Nov 18 15:00	28°♄33'13	2°44'37
morning max el	6466 Dec 20 13:25	12°♄31'57	18°01'16	morning rise	6467 Nov 25 06:41	23°♄30'32	
	6467 Jan 01 19:44	0°♄		asc. node	6467 Nov 26 23:01	23°♄05'36	
morning set	6467 Jan 07 09:17	9°♄12'05		direct	6467 Nov 27 16:07	23°♄03'08	
desc. node	6467 Jan 14 16:54	21°♄13'34		morning max el	6467 Dec 04 06:35	26°♄28'03	17°49'02
	6467 Jan 20 03:38	0°♄			6467 Dec 07 07:45	0°♄	
superior conj	6467 Jan 21 13:23	2°♄14'21	-0°47'06	morning set	6467 Dec 20 14:41	21°♄34'06	
minimum elong	6467 Jan 21 07:42	1°♄51'49	0°46'18		6467 Dec 25 11:39	0°♄	
max. Earth dist.	6467 Jan 25 06:43	8°♄07'31	1.45169 AU	superior conj	6468 Jan 01 18:53	12°♄17'39	-0°01'30
evening rise	6467 Feb 06 18:50	27°♄35'04		minimum elong	6468 Jan 01 18:44	12°♄17'02	0°01'25
	6467 Feb 08 08:26	0°♄		behind sun begin	6468 Jan 01 09:16	11°♄37'56	
greatest brilliancy	6467 Feb 20 14:33	18°♄37'56	-0.7m	behind sun end	6468 Jan 02 04:11	12°♄56'03	
	6467 Feb 28 18:01	0°♄		desc. node	6468 Jan 01 13:53	11°♄57'02	
evening max el	6467 Mar 04 09:55	4°♄13'24	19°47'14	max. Earth dist.	6468 Jan 08 00:21	22°♄24'33	1.44226 AU
asc. node	6467 Mar 08 01:11	7°♄16'20			6468 Jan 12 19:33	0°♄	
retrograde	6467 Mar 11 20:49	8°♄31'46					

evening rise	6468 Jan 17 05:20	6° \approx 50'29		evening max el	6469 Jan 28 05:40	1° \times 26'18	22°05'56
	6468 Feb 01 16:35	0° \times		retrograde	6469 Feb 06 16:19	7° \times 02'47	
evening max el	6468 Feb 15 10:24	17° \times 48'58	20°51'27	asc. node	6469 Feb 08 19:19	6° \times 39'14	
asc. node	6468 Feb 22 22:15	22° \times 40'58		evening set	6469 Feb 11 04:36	5° \times 13'26	
retrograde	6468 Feb 23 19:15	22° \times 45'00			6469 Feb 15 17:26	30° \times	
evening set	6468 Feb 27 20:49	21° \times 10'54		inferior conj	6469 Feb 16 12:43	28° \approx 53'11	2°20'02
inferior conj	6468 Mar 04 04:42	14° \times 59'47	2°52'26	minimum elong	6469 Feb 16 10:23	29° \approx 01'18	2°19'22
minimum elong	6468 Mar 04 02:30	15° \times 07'21	2°51'56	min. Earth dist.	6469 Feb 16 12:08	28° \approx 55'12	0.68214 AU
min. Earth dist.	6468 Mar 04 16:19	14° \times 19'43	0.67859 AU	morning rise	6469 Feb 21 15:59	22° \approx 42'23	
morning rise	6468 Mar 09 07:59	8° \times 45'38		direct	6469 Feb 26 11:38	20° \approx 39'31	
direct	6468 Mar 14 17:57	6° \times 21'41		morning max el	6469 Mar 08 01:13	26° \approx 17'34	22°23'57
morning max el	6468 Mar 25 14:34	12° \times 50'47	23°53'08		6469 Mar 11 10:47	0° \times	
desc. node	6468 Mar 29 13:17	17° \times 10'27		desc. node	6469 Mar 16 10:16	6° \times 11'57	
	6468 Apr 08 10:05	0° γ			6469 Apr 01 23:24	0° γ	
	6468 Apr 27 21:03	0° δ		morning set	6469 Apr 10 16:51	13° γ 48'12	
morning set	6468 Apr 30 02:28	3° δ 46'36		max. Earth dist.	6469 Apr 15 18:10	22° γ 11'46	1.40678 AU
max. Earth dist.	6468 May 03 21:34	10° δ 23'47	1.38460 AU		6469 Apr 20 07:00	0° δ	
superior conj	6468 May 11 05:06	23° δ 48'47	-1°26'26	superior conj	6469 Apr 23 13:33	5° δ 48'12	-1°51'38
minimum elong	6468 May 11 09:58	24° δ 11'55	1°25'47	minimum elong	6469 Apr 23 18:49	6° δ 11'50	1°51'12
	6468 May 14 10:36	0° Π		evening rise	6469 May 03 18:04	24° δ 38'40	
evening rise	6468 May 20 06:05	11° Π 21'58			6469 May 06 14:47	0° Π	
asc. node	6468 May 20 21:26	12° Π 36'59		asc. node	6469 May 07 18:30	2° Π 07'56	
	6468 May 30 11:48	0° ϕ		evening max el	6469 May 19 21:10	20° Π 26'56	18°20'17
evening max el	6468 Jun 05 14:57	7° ϕ 53'33	18°53'48	retrograde	6469 May 27 04:14	24° Π 05'16	
retrograde	6468 Jun 14 02:05	12° ϕ 03'26		evening set	6469 May 29 12:00	23° Π 44'02	
evening set	6468 Jun 16 02:42	11° ϕ 50'04		inferior conj	6469 Jun 05 19:21	19° Π 06'27	1°49'35
inferior conj	6468 Jun 24 05:47	7° ϕ 32'48	0°22'48	minimum elong	6469 Jun 05 22:30	18° Π 59'51	1°48'34
minimum elong	6468 Jun 24 06:40	7° ϕ 31'11	0°22'25	min. Earth dist.	6469 Jun 09 05:32	16° Π 16'19	0.58784 AU
desc. node	6468 Jun 25 12:34	6° ϕ 37'37		desc. node	6469 Jun 12 09:37	14° Π 01'55	
min. Earth dist.	6468 Jun 27 08:42	5° ϕ 20'04	0.56776 AU	morning rise	6469 Jun 13 05:52	13° Π 32'51	
morning rise	6468 Jul 02 07:15	2° ϕ 31'23		direct	6469 Jun 19 10:07	11° Π 50'58	
direct	6468 Jul 07 16:20	1° ϕ 21'59		morning max el	6469 Jul 03 19:19	19° Π 37'07	27°15'37
morning max el	6468 Jul 21 23:40	8° ϕ 47'33	26°05'15		6469 Jul 12 15:26	0° ϕ	
	6468 Aug 06 22:22	0° Ω			6469 Jul 30 14:54	0° Ω	
asc. node	6468 Aug 16 20:43	18° Ω 31'52		morning set	6469 Aug 03 13:04	8° Ω 00'51	
morning set	6468 Aug 19 04:24	23° Ω 22'36		asc. node	6469 Aug 03 17:45	8° Ω 25'28	
	6468 Aug 22 06:06	0° Π					
				superior conj	6469 Aug 10 14:22	23° Ω 20'45	1°05'46
superior conj	6468 Aug 26 02:31	8° Π 28'57	1°22'41	minimum elong	6469 Aug 10 12:07	23° Ω 08'19	1°05'21
minimum elong	6468 Aug 26 00:20	8° Π 16'54	1°22'23	max. Earth dist.	6469 Aug 10 06:44	22° Ω 38'27	1.31814 AU
max. Earth dist.	6468 Aug 26 19:57	10° Π 05'06	1.32076 AU		6469 Aug 13 14:37	0° Π	
evening rise	6468 Sep 02 01:32	23° Π 32'09		evening rise	6469 Aug 17 09:27	8° Π 11'46	
	6468 Sep 05 05:27	0° $\underline{\Delta}$			6469 Aug 28 16:00	0° $\underline{\Delta}$	
desc. node	6468 Sep 21 11:44	27° $\underline{\Delta}$ 55'49		desc. node	6469 Sep 08 08:47	16° $\underline{\Delta}$ 08'01	
	6468 Sep 22 22:59	0° Π		evening max el	6469 Sep 15 13:29	24° $\underline{\Delta}$ 12'32	26°23'39
evening max el	6468 Oct 03 12:48	12° Π 25'07	27°12'37		6469 Sep 23 17:28	0° Π	
retrograde	6468 Oct 17 09:31	19° Π 37'33		retrograde	6469 Sep 29 11:59	1° Π 19'22	
evening set	6468 Oct 24 11:38	17° Π 21'07			6469 Oct 05 03:55	30° \times	
min. Earth dist.	6468 Oct 28 03:31	14° Π 35'46	0.61415 AU	evening set	6469 Oct 06 03:10	29° $\underline{\Delta}$ 31'14	
inferior conj	6468 Oct 31 05:11	11° Π 53'21	-3°51'08	min. Earth dist.	6469 Oct 10 02:56	26° $\underline{\Delta}$ 56'29	0.59342 AU
minimum elong	6468 Oct 31 11:43	11° Π 38'55	3°49'09	inferior conj	6469 Oct 13 08:14	24° $\underline{\Delta}$ 28'00	-4°46'57
morning rise	6468 Nov 07 13:54	6° Π 57'27		minimum elong	6469 Oct 13 14:29	24° $\underline{\Delta}$ 15'55	4°45'42
direct	6468 Nov 09 20:28	6° Π 35'56		morning rise	6469 Oct 21 04:00	19° $\underline{\Delta}$ 54'10	
asc. node	6468 Nov 12 20:03	7° Π 14'27		direct	6469 Oct 23 11:27	19° $\underline{\Delta}$ 35'25	
morning max el	6468 Nov 16 21:54	10° Π 08'58	17°55'03	asc. node	6469 Oct 30 17:04	22° $\underline{\Delta}$ 50'36	
	6468 Nov 29 23:22	0° \times		morning max el	6469 Oct 31 07:56	23° $\underline{\Delta}$ 25'13	18°20'53
morning set	6468 Dec 02 15:21	4° \times 51'01			6469 Nov 05 14:53	0° Π	
				morning set	6469 Nov 16 05:38	18° Π 46'18	
superior conj	6468 Dec 13 02:34	23° \times 36'46	0°38'03		6469 Nov 22 03:22	0° \times	
minimum elong	6468 Dec 13 05:37	23° \times 50'01	0°37'40				
	6468 Dec 16 20:02	0° δ		superior conj	6469 Nov 25 09:42	6° \times 03'38	1°08'01
desc. node	6468 Dec 18 10:55	2° δ 43'19		minimum elong	6469 Nov 25 13:23	6° \times 20'31	1°07'36
max. Earth dist.	6468 Dec 20 13:48	6° δ 14'10	1.42691 AU	max. Earth dist.	6469 Dec 02 22:48	19° \times 26'50	1.40738 AU
evening rise	6468 Dec 26 23:12	16° δ 31'23		desc. node	6469 Dec 05 07:57	23° \times 29'05	
	6469 Jan 04 17:48	0° \approx		evening rise	6469 Dec 07 12:02	27° \times 05'19	
	6469 Jan 26 20:48	0° \times			6469 Dec 09 06:50	0° δ	

	6469 Dec 29 09:46	0°♊		evening max el	6470 Dec 24 10:15	28°♊51'25	24°44'04
evening max el	6470 Jan 10 21:03	15°♊07'23	23°25'32		6470 Dec 25 14:52	0°♊	
retrograde	6470 Jan 21 10:37	21°♊21'58		retrograde	6471 Jan 05 01:02	5°♊37'32	
evening set	6470 Jan 26 11:00	19°♊17'22		evening set	6471 Jan 10 14:28	3°♊18'34	
asc. node	6470 Jan 26 16:20	19°♊05'52		asc. node	6471 Jan 13 13:21	0°♊12'32	
inferior conj	6470 Jan 31 20:55	12°♊51'33	1°39'29		6471 Jan 13 17:26	30°♊♊	
minimum elong	6470 Jan 31 18:54	12°♊58'26	1°38'48	min. Earth dist.	6471 Jan 15 04:16	28°♊08'17	0.67758 AU
min. Earth dist.	6470 Jan 31 08:52	13°♊32'52	0.68175 AU	inferior conj	6471 Jan 16 03:28	26°♊51'23	0°51'29
morning rise	6470 Feb 06 02:45	6°♊45'40		minimum elong	6471 Jan 16 02:16	26°♊55'23	0°51'03
direct	6470 Feb 10 08:22	5°♊05'37		morning rise	6471 Jan 21 14:15	20°♊52'11	
morning max el	6470 Feb 18 17:31	9°♊55'15	21°01'24	direct	6471 Jan 25 06:51	19°♊33'59	
desc. node	6470 Mar 03 07:16	25°♊48'16		morning max el	6471 Feb 01 17:40	23°♊45'17	19°50'52
	6470 Mar 06 05:25	0°♊			6471 Feb 07 02:02	0°♊	
morning set	6470 Mar 21 03:52	22°♊34'58		greatest brilliancy	6471 Feb 14 19:45	10°♊50'44	-0.6m
	6470 Mar 25 20:11	0°♊		desc. node	6471 Feb 18 04:16	15°♊49'30	
max. Earth dist.	6470 Mar 28 21:39	4°♊56'59	1.42701 AU		6471 Feb 27 11:56	0°♊	
				morning set	6471 Feb 28 00:33	0°♊48'33	
superior conj	6470 Apr 05 00:09	16°♊46'45	-2°07'37	max. Earth dist.	6471 Mar 11 08:33	18°♊32'14	1.44267 AU
minimum elong	6470 Apr 05 03:03	16°♊59'09	2°07'33				
	6470 Apr 12 14:39	0°♊		superior conj	6471 Mar 16 09:28	26°♊37'46	-2°08'32
evening rise	6470 Apr 16 15:42	7°♊13'01		minimum elong	6471 Mar 16 06:33	26°♊25'55	2°08'27
asc. node	6470 Apr 24 15:33	21°♊17'09			6471 Mar 18 11:07	0°♊	
	6470 Apr 30 09:00	0°♊		evening rise	6471 Mar 29 18:26	18°♊55'16	
evening max el	6470 May 03 08:29	3°♊26'42	18°06'30		6471 Apr 05 06:55	0°♊	
retrograde	6470 May 09 23:24	6°♊49'56		asc. node	6471 Apr 11 12:34	9°♊56'58	
evening set	6470 May 12 14:18	6°♊18'09		evening max el	6471 Apr 16 21:28	16°♊43'32	18°11'49
inferior conj	6470 May 19 04:55	1°♊19'59	2°46'33	retrograde	6471 Apr 23 07:03	20°♊06'37	
minimum elong	6470 May 19 07:54	1°♊12'46	2°45'53	evening set	6471 Apr 26 04:34	19°♊22'45	
	6470 May 20 13:47	30°♊♊		inferior conj	6471 May 02 06:32	14°♊05'27	3°17'44
min. Earth dist.	6470 May 22 09:29	28°♊16'11	0.61007 AU	minimum elong	6471 May 02 08:13	14°♊00'50	3°17'31
morning rise	6470 May 25 23:18	25°♊23'58		min. Earth dist.	6471 May 04 22:29	11°♊11'18	0.63143 AU
desc. node	6470 May 30 06:37	23°♊27'03		morning rise	6471 May 08 10:33	7°♊56'37	
direct	6470 Jun 01 15:23	23°♊10'30		direct	6471 May 15 06:05	5°♊19'39	
	6470 Jun 14 17:22	0°♊		desc. node	6471 May 17 03:37	5°♊30'45	
morning max el	6470 Jun 15 21:39	1°♊08'16	27°50'52	morning max el	6471 May 29 05:14	13°♊21'10	27°48'08
	6470 Jul 06 20:31	0°♊			6471 Jun 11 13:35	0°♊	
morning set	6470 Jul 18 17:30	22°♊24'08			6471 Jun 29 08:56	0°♊	
asc. node	6470 Jul 21 14:47	28°♊27'47		morning set	6471 Jul 02 15:31	6°♊25'47	
	6470 Jul 22 08:00	0°♊		max. Earth dist.	6471 Jul 07 21:17	17°♊16'50	1.32596 AU
max. Earth dist.	6470 Jul 24 16:32	5°♊06'40	1.31985 AU	asc. node	6471 Jul 08 11:49	18°♊34'16	
superior conj	6470 Jul 26 01:09	8°♊05'36	0°44'29	superior conj	6471 Jul 10 09:05	22°♊37'44	0°19'22
minimum elong	6470 Jul 25 23:20	7°♊55'33	0°44'05	minimum elong	6471 Jul 10 08:10	22°♊32'48	0°19'08
evening rise	6470 Aug 01 20:15	22°♊56'57			6471 Jul 13 18:28	0°♊	
	6470 Aug 05 05:15	0°♊		evening rise	6471 Jul 17 07:59	7°♊41'25	
	6470 Aug 23 11:59	0°♊			6471 Jul 28 22:57	0°♊	
desc. node	6470 Aug 26 05:50	3°♊07'39		evening max el	6471 Aug 09 18:16	15°♊33'28	23°29'36
evening max el	6470 Aug 28 06:18	5°♊10'18	25°05'15	desc. node	6471 Aug 13 02:51	18°♊26'57	
retrograde	6470 Sep 11 03:45	12°♊11'23		retrograde	6471 Aug 23 07:44	22°♊21'29	
evening set	6470 Sep 16 19:05	10°♊59'06		evening set	6471 Aug 27 11:48	21°♊43'22	
min. Earth dist.	6470 Sep 21 17:42	8°♊16'59	0.57351 AU	min. Earth dist.	6471 Sep 03 03:55	18°♊35'52	0.55741 AU
inferior conj	6470 Sep 24 15:56	6°♊19'58	-5°21'20	inferior conj	6471 Sep 05 03:36	17°♊25'13	-5°17'05
minimum elong	6470 Sep 24 18:34	6°♊15'33	5°21'10	minimum elong	6471 Sep 04 23:30	17°♊31'18	5°16'43
morning rise	6470 Oct 02 20:18	2°♊09'08		morning rise	6471 Sep 13 13:33	13°♊32'11	
direct	6470 Oct 05 08:53	1°♊50'36		direct	6471 Sep 16 10:40	13°♊11'52	
morning max el	6470 Oct 14 09:12	6°♊06'51	19°08'01	morning max el	6471 Sep 26 22:57	18°♊05'49	20°17'15
asc. node	6470 Oct 17 14:04	9°♊39'45		asc. node	6471 Oct 04 11:06	27°♊27'06	
	6470 Oct 29 15:14	0°♊			6471 Oct 06 01:25	0°♊	
morning set	6470 Oct 31 05:09	3°♊07'03		morning set	6471 Oct 15 10:53	17°♊44'50	
					6471 Oct 21 09:56	0°♊	
superior conj	6470 Nov 08 10:58	19°♊22'54	1°28'06				
minimum elong	6470 Nov 08 13:47	19°♊36'32	1°27'52	superior conj	6471 Oct 23 01:30	3°♊20'56	1°39'13
	6470 Nov 14 02:33	0°♊		minimum elong	6471 Oct 23 02:55	3°♊28'04	1°39'10
max. Earth dist.	6470 Nov 15 04:29	1°♊57'46	1.38603 AU	max. Earth dist.	6471 Oct 28 10:56	13°♊57'57	1.36545 AU
evening rise	6470 Nov 18 23:17	8°♊39'17		evening rise	6471 Nov 01 07:16	21°♊09'36	
desc. node	6470 Nov 22 04:58	14°♊10'06			6471 Nov 06 07:03	0°♊	
	6470 Dec 02 04:04	0°♊		desc. node	6471 Nov 09 02:01	4°♊42'26	

	6471 Nov 26 02:09	0°♄		superior conj	6472 Oct 06 01:18	17°♄45'00	1°42'36
evening max el	6471 Dec 06 22:57	12°♄36'35	25°54'33	minimum elong	6472 Oct 06 01:18	17°♄44'58	1°42'37
retrograde	6471 Dec 19 10:50	19°♄44'06		max. Earth dist.	6472 Oct 09 23:28	25°♄50'23	1.34766 AU
evening set	6471 Dec 25 13:22	17°♄13'30			6472 Oct 12 01:26	0°♄	
min. Earth dist.	6471 Dec 29 20:08	12°♄37'51	0.66973 AU	evening rise	6472 Oct 14 08:01	4°♄25'33	
inferior conj	6471 Dec 31 06:35	10°♄49'44	-0°03'11	desc. node	6472 Oct 25 23:03	25°♄00'16	
minimum elong	6471 Dec 31 06:40	10°♄49'29	0°03'07		6472 Oct 29 02:28	0°♄	
transit middle	6471 Dec 31 06:40	10°♄49'29	0°03'07	evening max el	6472 Nov 18 11:55	26°♄16'48	26°49'42
transit begin	6471 Dec 31 03:53	10°♄58'15			6472 Nov 22 20:27	0°♄	
transit end	6471 Dec 31 09:27	10°♄40'45		retrograde	6472 Dec 01 15:15	3°♄34'21	
asc. node	6471 Dec 31 10:21	10°♄37'54		evening set	6472 Dec 08 05:43	0°♄56'55	
morning rise	6472 Jan 06 00:30	4°♄59'12			6472 Dec 09 08:03	30°♄♄	
direct	6472 Jan 09 05:38	4°♄00'05		min. Earth dist.	6472 Dec 12 06:12	26°♄56'04	0.65830 AU
morning max el	6472 Jan 16 01:29	7°♄45'07	18°55'18	inferior conj	6472 Dec 14 04:10	24°♄42'06	-1°03'40
	6472 Feb 01 02:20	0°♄		minimum elong	6472 Dec 14 05:59	24°♄36'48	1°02'52
desc. node	6472 Feb 05 01:17	6°♄09'00		asc. node	6472 Dec 17 07:23	21°♄17'22	
morning set	6472 Feb 07 07:37	9°♄40'58		morning rise	6472 Dec 20 07:14	19°♄02'39	
	6472 Feb 20 07:39	0°♄		direct	6472 Dec 23 02:54	18°♄18'51	
max. Earth dist.	6472 Feb 22 00:45	2°♄41'09	1.45195 AU	morning max el	6472 Dec 29 15:04	21°♄48'46	18°16'03
					6473 Jan 05 02:31	0°♄	
superior conj	6472 Feb 23 20:55	5°♄34'46	-1°49'48	morning set	6473 Jan 17 18:11	19°♄58'01	
minimum elong	6472 Feb 23 12:10	5°♄00'21	1°49'06	desc. node	6473 Jan 21 22:18	26°♄41'12	
evening rise	6472 Mar 09 22:35	29°♄40'11			6473 Jan 23 23:57	0°♄	
	6472 Mar 10 03:28	0°♄					
asc. node	6472 Mar 28 09:35	27°♄58'43		superior conj	6473 Feb 02 00:50	14°♄18'42	-1°13'01
	6472 Mar 30 04:57	0°♄		minimum elong	6473 Feb 01 16:21	13°♄45'21	1°12'00
evening max el	6472 Mar 30 09:24	0°♄11'20	18°35'32	max. Earth dist.	6473 Feb 03 19:46	17°♄07'05	1.45393 AU
retrograde	6472 Apr 05 22:45	3°♄47'11			6473 Feb 12 01:33	0°♄	
evening set	6472 Apr 09 03:00	2°♄50'12		evening rise	6473 Feb 18 03:58	9°♄31'46	
	6472 Apr 12 11:05	30°♄♄		greatest brilliancy	6473 Mar 01 13:14	27°♄13'35	-0.7m
inferior conj	6472 Apr 14 20:10	27°♄15'31	3°28'38		6473 Mar 03 09:12	0°♄	
minimum elong	6472 Apr 14 20:21	27°♄14'58	3°28'36	evening max el	6473 Mar 13 18:05	13°♄45'08	19°16'35
min. Earth dist.	6472 Apr 16 20:56	24°♄48'51	0.64996 AU	asc. node	6473 Mar 15 06:37	15°♄11'06	
morning rise	6472 Apr 20 13:00	21°♄00'53		retrograde	6473 Mar 20 19:06	17°♄45'02	
direct	6472 Apr 27 04:45	18°♄12'45		evening set	6473 Mar 24 06:45	16°♄34'07	
desc. node	6472 May 03 00:38	19°♄58'01		inferior conj	6473 Mar 29 18:20	10°♄43'42	3°23'56
morning max el	6472 May 10 15:14	26°♄06'53	27°10'38	minimum elong	6473 Mar 29 17:15	10°♄47'10	3°23'49
	6472 May 14 05:20	0°♄		min. Earth dist.	6473 Mar 31 03:47	8°♄55'32	0.66454 AU
	6472 Jun 04 03:09	0°♄		morning rise	6473 Apr 04 03:25	4°♄27'39	
morning set	6472 Jun 15 04:16	19°♄57'13		direct	6473 Apr 10 10:04	1°♄41'11	
max. Earth dist.	6472 Jun 19 17:05	28°♄58'30	1.33683 AU	desc. node	6473 Apr 19 21:38	6°♄16'17	
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superior conj	6472 Jun 23 12:05	6°♄50'52	-0°08'53		6473 May 27 15:28	0°♄	
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behind sun end	6472 Jun 23 17:15	7°♄18'06					
asc. node	6472 Jun 24 08:50	8°♄40'24		superior conj	6473 Jun 07 07:47	20°♄38'42	-0°39'07
evening rise	6472 Jun 30 18:48	22°♄18'48		minimum elong	6473 Jun 07 10:00	20°♄49'58	0°38'43
	6472 Jul 04 12:28	0°♄		asc. node	6473 Jun 11 05:52	28°♄42'42	
evening max el	6472 Jul 21 09:29	25°♄54'09	21°52'48		6473 Jun 11 20:46	0°♄	
	6472 Jul 26 14:46	0°♄		evening rise	6473 Jun 15 02:43	6°♄43'36	
desc. node	6472 Jul 29 23:53	1°♄31'42			6473 Jun 27 22:18	0°♄	
retrograde	6472 Aug 03 00:22	2°♄09'48		evening max el	6473 Jul 03 11:26	6°♄44'16	20°28'06
evening set	6472 Aug 05 18:13	1°♄52'55		retrograde	6473 Jul 14 12:38	12°♄10'11	
	6472 Aug 11 00:04	30°♄♄		evening set	6473 Jul 16 12:29	12°♄00'20	
min. Earth dist.	6472 Aug 14 13:25	28°♄06'07	0.54841 AU	desc. node	6473 Jul 16 20:54	11°♄56'38	
inferior conj	6472 Aug 15 00:04	27°♄51'11	-4°20'23	inferior conj	6473 Jul 25 17:30	8°♄03'12	-2°37'43
minimum elong	6472 Aug 14 15:05	28°♄03'46	4°18'12	minimum elong	6473 Jul 25 10:17	8°♄13'39	2°35'13
morning rise	6472 Aug 23 13:22	24°♄01'09		min. Earth dist.	6473 Jul 27 00:14	7°♄18'40	0.54883 AU
direct	6472 Aug 26 21:58	23°♄36'19		morning rise	6473 Aug 03 07:16	3°♄56'17	
morning max el	6472 Sep 08 00:19	29°♄17'18	21°46'51	direct	6473 Aug 07 07:45	3°♄21'28	
	6472 Sep 08 18:10	0°♄		morning max el	6473 Aug 20 16:16	9°♄49'46	23°29'45
asc. node	6472 Sep 20 08:08	15°♄58'23			6473 Sep 04 11:07	0°♄	
	6472 Sep 27 15:07	0°♄		asc. node	6473 Sep 07 05:11	5°♄02'51	
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






























































































































superior conj	6473 Sep 20 07:19	2°♌25'47	1°39'20	superior conj	6474 Sep 04 17:10	17°♏16'00	1°30'16
minimum elong	6473 Sep 20 06:09	2°♌19'30	1°39'17	minimum elong	6474 Sep 04 15:13	17°♏05'22	1°30'04
max. Earth dist.	6473 Sep 22 20:46	7°♌54'12	1.33380 AU	max. Earth dist.	6474 Sep 06 01:50	20°♏14'51	1.32424 AU
evening rise	6473 Sep 27 21:33	18°♌16'25			6474 Sep 10 15:00	0°♌	
	6473 Oct 04 00:51	0°♌		evening rise	6474 Sep 11 20:22	2°♌32'37	
desc. node	6473 Oct 12 20:06	14°♌56'55			6474 Sep 26 20:47	0°♌	
	6473 Oct 23 09:00	0°♌		desc. node	6474 Sep 29 17:08	4°♌23'40	
evening max el	6473 Nov 01 00:25	9°♌41'54	27°22'12	evening max el	6474 Oct 14 10:23	22°♌38'41	27°25'38
retrograde	6473 Nov 14 13:25	17°♌00'16		retrograde	6474 Oct 28 04:44	29°♌53'16	
evening set	6473 Nov 21 13:05	14°♌23'12		evening set	6474 Nov 04 08:24	27°♌25'56	
min. Earth dist.	6473 Nov 25 08:10	10°♌56'01	0.64345 AU	min. Earth dist.	6474 Nov 08 00:05	24°♌28'10	0.62553 AU
inferior conj	6473 Nov 27 17:51	8°♌23'00	-2°08'22	inferior conj	6474 Nov 10 20:47	21°♌45'33	-3°14'25
minimum elong	6473 Nov 27 21:42	8°♌12'46	2°06'48	minimum elong	6474 Nov 11 02:34	21°♌31'49	3°12'23
morning rise	6473 Dec 04 07:45	2°♌57'44		morning rise	6474 Nov 17 22:34	16°♌38'00	
asc. node	6473 Dec 04 04:27	3°♌01'18		direct	6474 Nov 20 06:31	16°♌13'22	
direct	6473 Dec 06 20:14	2°♌25'20		asc. node	6474 Nov 21 01:31	16°♌16'17	
morning max el	6473 Dec 13 07:44	5°♌49'31	17°53'48	morning max el	6474 Nov 27 00:31	19°♌40'29	17°49'20
	6473 Dec 29 09:53	0°♌			6474 Dec 04 15:18	0°♌	
morning set	6473 Dec 30 09:36	1°♌40'16		morning set	6474 Dec 13 00:05	14°♌29'04	
desc. node	6474 Jan 08 19:19	17°♌21'45			6474 Dec 21 20:45	0°♌	
superior conj	6474 Jan 12 16:56	23°♌42'09	-0°27'25	superior conj	6474 Dec 24 09:39	4°♌18'36	0°16'20
minimum elong	6474 Jan 12 13:44	23°♌29'16	0°26'54	minimum elong	6474 Dec 24 11:12	4°♌25'11	0°16'09
	6474 Jan 16 15:25	0°♌		desc. node	6474 Dec 26 16:20	8°♌07'23	
max. Earth dist.	6474 Jan 17 15:01	1°♌33'32	1.44856 AU	max. Earth dist.	6474 Dec 31 07:51	15°♌44'04	1.43642 AU
evening rise	6474 Jan 28 17:31	18°♌50'54		evening rise	6475 Jan 08 05:30	28°♌14'07	
	6474 Feb 05 01:04	0°♌			6475 Jan 09 08:53	0°♌	
greatest brilliancy	6474 Feb 12 11:14	11°♌04'09	-0.6m		6475 Jan 29 20:14	0°♌	
evening max el	6474 Feb 24 21:52	27°♌20'50	20°13'06	evening max el	6475 Feb 07 20:07	10°♌57'49	21°22'02
	6474 Feb 27 21:39	0°♌		retrograde	6475 Feb 16 15:22	16°♌10'33	
asc. node	6474 Mar 02 03:41	1°♌19'34		asc. node	6475 Feb 17 00:44	16°♌09'44	
retrograde	6474 Mar 04 17:19	1°♌54'04		evening set	6475 Feb 20 21:25	14°♌29'46	
evening set	6474 Mar 08 13:30	0°♌28'28		inferior conj	6475 Feb 26 05:12	8°♌14'17	2°39'43
	6474 Mar 09 03:44	30°♌		minimum elong	6475 Feb 26 02:53	8°♌22'19	2°39'09
inferior conj	6474 Mar 13 22:07	24°♌24'17	3°06'53	min. Earth dist.	6475 Feb 26 11:25	7°♌52'43	0.68069 AU
minimum elong	6474 Mar 13 20:12	24°♌30'46	3°06'33	morning rise	6475 Mar 03 08:11	2°♌01'38	
min. Earth dist.	6474 Mar 14 17:17	23°♌19'17	0.67477 AU		6475 Mar 06 19:54	30°♌	
morning rise	6474 Mar 19 02:41	18°♌09'10		direct	6475 Mar 08 12:04	29°♌46'28	
direct	6474 Mar 24 20:46	15°♌34'57			6475 Mar 10 05:57	0°♌	
morning max el	6474 Apr 05 10:03	22°♌29'43	24°44'07	morning max el	6475 Mar 18 19:22	5°♌53'31	23°14'50
desc. node	6474 Apr 06 18:39	23°♌54'43		desc. node	6475 Mar 24 15:40	12°♌31'06	
	6474 Apr 11 24:00	0°♌			6475 Apr 06 10:12	0°♌	
	6474 May 02 16:45	0°♌		morning set	6475 Apr 22 16:21	25°♌32'24	
morning set	6474 May 11 10:03	14°♌45'00			6475 Apr 25 07:30	0°♌	
max. Earth dist.	6474 May 15 00:49	21°♌15'08	1.37221 AU	max. Earth dist.	6475 Apr 26 20:41	2°♌40'22	1.39419 AU
	6474 May 19 16:53	0°♌					
superior conj	6474 May 21 17:00	3°♌52'19	-1°09'40	superior conj	6475 May 04 11:49	16°♌21'58	-1°37'54
minimum elong	6474 May 21 21:02	4°♌11'58	1°09'03	minimum elong	6475 May 04 17:05	16°♌46'24	1°37'19
asc. node	6474 May 29 02:55	18°♌36'29			6475 May 11 16:28	0°♌	
evening rise	6474 May 30 05:17	20°♌48'29		evening rise	6475 May 13 23:38	4°♌25'44	
	6474 Jun 03 22:05	0°♌		asc. node	6475 May 15 23:57	8°♌17'23	
evening max el	6474 Jun 16 02:10	18°♌16'47	19°22'13		6475 May 29 15:45	0°♌	
retrograde	6474 Jun 25 10:02	22°♌51'36		evening max el	6475 May 30 03:41	0°♌30'05	18°36'57
evening set	6474 Jun 27 08:01	22°♌40'50		retrograde	6475 Jun 07 01:29	4°♌24'54	
desc. node	6474 Jul 03 17:57	19°♌56'24		evening set	6475 Jun 09 04:58	4°♌08'36	
inferior conj	6474 Jul 05 22:19	18°♌33'13	-0°39'29	inferior conj	6475 Jun 16 23:24	29°♌42'31	1°03'19
minimum elong	6474 Jul 05 20:34	18°♌36'04	0°38'52	minimum elong	6475 Jun 17 01:38	29°♌38'15	1°02'30
min. Earth dist.	6474 Jul 08 13:33	16°♌50'30	0.55864 AU		6475 Jun 16 14:13	30°♌	
morning rise	6474 Jul 14 06:23	13°♌53'30		min. Earth dist.	6475 Jun 20 07:07	27°♌11'26	0.57583 AU
direct	6474 Jul 19 03:04	12°♌59'52		desc. node	6475 Jun 20 14:58	26°♌57'18	
morning max el	6474 Aug 02 05:17	20°♌07'06	25°12'44	morning rise	6475 Jun 24 18:54	24°♌26'15	
	6474 Aug 10 15:57	0°♌		direct	6475 Jun 30 12:34	23°♌03'51	
asc. node	6474 Aug 25 02:14	24°♌31'52			6475 Jul 14 05:17	0°♌	
	6474 Aug 27 18:10	0°♌		morning max el	6475 Jul 14 21:44	0°♌39'12	26°39'11
morning set	6474 Aug 28 19:29	2°♌13'36			6475 Aug 04 15:29	0°♌	
				asc. node	6475 Aug 11 23:15	14°♌18'19	
				morning set	6475 Aug 13 05:42	16°♌57'57	

	6475 Aug 19 05:29	0°♎		morning set	6476 Jul 27 12:48	1°♏31'09	
				asc. node	6476 Jul 28 20:15	4°♏16'38	
superior conj	6475 Aug 20 04:46	2°♎08'52	1°16'04	max. Earth dist.	6476 Aug 02 22:18	15°♏19'06	1.31826 AU
minimum elong	6475 Aug 20 02:30	1°♎56'19	1°15'42				
max. Earth dist.	6475 Aug 20 11:34	2°♎46'29	1.31907 AU	superior conj	6476 Aug 03 16:23	16°♏58'54	0°57'14
evening rise	6475 Aug 27 01:37	17°♎05'35		minimum elong	6476 Aug 03 14:15	16°♏47'08	0°56'49
	6475 Sep 02 11:56	0°♏			6476 Aug 09 14:44	0°♎	
desc. node	6475 Sep 16 14:11	23°♏07'49		evening rise	6476 Aug 10 10:59	1°♎48'30	
	6475 Sep 21 23:49	0°♎			6476 Aug 25 14:22	0°♏	
evening max el	6475 Sep 26 14:53	4°♎53'04	26°55'51	desc. node	6476 Sep 02 11:12	10°♏52'24	
retrograde	6475 Oct 10 12:17	12°♎03'14		evening max el	6476 Sep 07 11:57	16°♏18'14	25°53'22
evening set	6475 Oct 17 11:28	9°♎57'10		retrograde	6476 Sep 21 10:50	23°♏23'53	
min. Earth dist.	6475 Oct 21 05:07	7°♎18'43	0.60535 AU	evening set	6476 Sep 27 17:26	21°♏50'18	
inferior conj	6475 Oct 24 09:29	4°♎39'55	-4°16'31	min. Earth dist.	6476 Oct 02 00:31	19°♏14'42	0.58463 AU
minimum elong	6475 Oct 24 16:13	4°♎25'52	4°14'44	inferior conj	6476 Oct 05 04:33	16°♏57'11	-5°05'09
morning rise	6475 Oct 31 23:08	29°♏53'28		minimum elong	6476 Oct 05 09:46	16°♏47'44	5°04'23
	6475 Oct 31 14:42	30°♏♏		morning rise	6476 Oct 13 04:25	12°♏33'33	
direct	6475 Nov 03 05:40	29°♏33'27		direct	6476 Oct 15 13:22	12°♏15'20	
	6475 Nov 05 19:02	0°♎		morning max el	6476 Oct 23 20:49	16°♏15'14	18°38'17
asc. node	6475 Nov 07 22:33	1°♎03'37		asc. node	6476 Oct 24 19:34	17°♏12'41	
morning max el	6475 Nov 10 14:02	3°♎12'09	18°03'40		6476 Nov 02 14:08	0°♎	
morning set	6475 Nov 26 07:07	28°♎03'54		morning set	6476 Nov 09 01:42	12°♎10'43	
	6475 Nov 27 08:03	0°♏					
				superior conj	6476 Nov 17 19:22	28°♎59'20	1°17'41
superior conj	6475 Dec 06 03:55	16°♏08'34	0°51'59	minimum elong	6476 Nov 17 22:48	29°♎15'27	1°17'20
minimum elong	6475 Dec 06 07:29	16°♏24'27	0°51'32		6476 Nov 18 08:20	0°♏	
desc. node	6475 Dec 13 13:22	28°♏53'59		max. Earth dist.	6476 Nov 25 02:03	12°♏11'15	1.39832 AU
max. Earth dist.	6475 Dec 13 19:30	29°♏19'40	1.41894 AU	evening rise	6476 Nov 29 04:40	19°♏14'04	
	6475 Dec 14 05:11	0°♏		desc. node	6476 Nov 29 10:24	19°♏38'05	
evening rise	6475 Dec 19 06:25	8°♏15'04			6476 Dec 05 19:16	0°♏	
	6476 Jan 02 12:30	0°♏			6476 Dec 26 19:48	0°♏	
evening max el	6476 Jan 21 13:22	24°♏36'10	22°39'21	evening max el	6477 Jan 03 03:28	8°♏17'59	23°59'27
	6476 Jan 28 21:39	0°♏		retrograde	6477 Jan 14 04:26	14°♏47'47	
retrograde	6476 Jan 31 11:32	0°♏29'50		evening set	6477 Jan 19 10:10	12°♏36'59	
	6476 Feb 02 21:48	30°♏♏		asc. node	6477 Jan 20 18:48	11°♏19'11	
asc. node	6476 Feb 03 21:46	29°♏29'29		min. Earth dist.	6477 Jan 24 04:27	7°♏06'44	0.68039 AU
evening set	6476 Feb 05 04:49	28°♏33'47		inferior conj	6477 Jan 24 21:14	6°♏09'48	1°20'02
inferior conj	6476 Feb 10 13:31	22°♏10'24	2°03'48	minimum elong	6477 Jan 24 19:31	6°♏15'39	1°19'25
minimum elong	6476 Feb 10 11:16	22°♏18'12	2°03'06	morning rise	6477 Jan 30 04:52	0°♏06'17	
min. Earth dist.	6476 Feb 10 07:54	22°♏29'50	0.68247 AU		6477 Jan 30 08:14	30°♏♏	
morning rise	6476 Feb 15 17:35	16°♏01'30		direct	6477 Feb 03 04:43	28°♏35'49	
direct	6476 Feb 20 07:04	14°♏08'34			6477 Feb 07 08:50	0°♏	
morning max el	6476 Feb 29 08:12	19°♏25'27	21°47'37	morning max el	6477 Feb 11 03:40	3°♏08'12	20°29'38
	6476 Mar 09 04:18	0°♏		desc. node	6477 Feb 25 09:40	21°♏36'55	
desc. node	6476 Mar 10 12:40	1°♏48'58			6477 Mar 03 01:46	0°♏	
	6476 Mar 29 14:39	0°♏		morning set	6477 Mar 11 21:01	13°♏25'51	
morning set	6476 Apr 01 18:41	5°♏01'01		max. Earth dist.	6477 Mar 21 01:53	27°♏58'02	1.43433 AU
max. Earth dist.	6476 Apr 07 19:45	14°♏52'10	1.41580 AU		6477 Mar 22 08:05	0°♏	
superior conj	6476 Apr 15 11:31	27°♏56'45	-1°59'53	superior conj	6477 Mar 27 11:34	8°♏26'57	-2°10'12
minimum elong	6476 Apr 15 16:13	28°♏17'21	1°59'36	minimum elong	6477 Mar 27 12:22	8°♏30'17	2°10'12
	6476 Apr 16 15:31	0°♏		evening rise	6477 Apr 08 20:14	29°♏39'26	
evening rise	6476 Apr 26 06:05	17°♏26'12			6477 Apr 09 00:55	0°♏	
asc. node	6476 May 01 20:59	27°♏40'12		asc. node	6477 Apr 18 18:00	16°♏38'05	
	6476 May 03 04:54	0°♏		evening max el	6477 Apr 26 00:55	26°♏24'34	18°06'29
evening max el	6476 May 12 12:28	13°♏16'04	18°12'00	retrograde	6477 May 02 12:21	29°♏45'52	
retrograde	6476 May 19 11:29	16°♏46'21		evening set	6477 May 05 06:05	29°♏09'08	
evening set	6476 May 21 22:11	16°♏21'03		inferior conj	6477 May 11 14:52	24°♏02'59	3°02'36
inferior conj	6476 May 28 21:57	11°♏34'43	2°17'14	minimum elong	6477 May 11 17:22	23°♏56'35	3°02'07
minimum elong	6476 May 29 01:15	11°♏27'21	2°16'19	min. Earth dist.	6477 May 14 14:49	21°♏00'23	0.61943 AU
min. Earth dist.	6476 Jun 01 07:00	8°♏35'26	0.59718 AU	morning rise	6477 May 18 02:49	18°♏00'32	
morning rise	6476 Jun 05 01:29	5°♏49'54		desc. node	6477 May 24 08:59	15°♏36'09	
desc. node	6476 Jun 06 11:58	5°♏04'00		direct	6477 May 24 21:30	15°♏35'19	
direct	6476 Jun 11 11:40	3°♏53'53		morning max el	6477 Jun 08 01:12	23°♏36'14	27°54'09
morning max el	6476 Jun 25 20:30	11°♏46'56	27°35'17		6477 Jun 13 18:31	0°♏	
	6476 Jul 10 03:23	0°♏			6477 Jul 03 10:15	0°♏	
	6476 Jul 26 19:14	0°♏		morning set	6477 Jul 11 14:46	15°♏46'02	

asc. node	6477 Jul 15 17:16	24°☿21'11			6478 Jun 08 15:23	0°♊	
max. Earth dist.	6477 Jul 17 06:13	27°☿40'02	1.32187 AU	morning set	6478 Jun 25 09:13	29°♊35'45	
	6477 Jul 18 08:00	0°♊			6478 Jun 25 14:07	0°☿	
				max. Earth dist.	6478 Jun 30 07:33	9°☿38'45	1.33010 AU
superior conj	6477 Jul 19 02:10	1°♊39'12	0°34'16	asc. node	6478 Jul 02 14:17	14°☿27'58	
minimum elong	6477 Jul 19 00:40	1°♊31'00	0°33'55				
evening rise	6477 Jul 25 22:24	16°♊34'00		superior conj	6478 Jul 03 08:18	16°☿04'11	0°07'44
	6477 Aug 01 13:01	0°♊		minimum elong	6478 Jul 03 07:55	16°☿02'09	0°07'37
evening max el	6477 Aug 20 02:05	26°♊58'26	24°25'47	behind sun begin	6478 Jul 03 03:09	15°☿36'37	
desc. node	6477 Aug 20 08:13	27°♊13'05		behind sun end	6478 Jul 03 12:41	16°☿27'42	
	6477 Aug 23 15:14	0°♊			6478 Jul 09 19:38	0°♊	
retrograde	6477 Sep 02 21:48	3°♊55'26		evening rise	6478 Jul 10 10:00	1°♊16'23	
evening set	6477 Sep 07 22:44	2°♊58'59			6478 Jul 26 09:50	0°♊	
min. Earth dist.	6477 Sep 13 13:08	0°♊07'43	0.56598 AU	evening max el	6478 Aug 01 14:28	7°♊16'18	22°47'31
	6477 Sep 13 18:07	30°♊		desc. node	6478 Aug 07 05:15	11°♊39'13	
inferior conj	6477 Sep 16 03:32	28°♊29'08	-5°25'21	retrograde	6478 Aug 14 19:57	13°♊52'16	
minimum elong	6477 Sep 16 03:31	28°♊29'10	5°25'22	evening set	6478 Aug 18 08:29	13°♊25'07	
morning rise	6477 Sep 24 10:35	24°♊26'37		min. Earth dist.	6478 Aug 25 22:30	10°♊02'44	0.55262 AU
direct	6477 Sep 27 02:17	24°♊07'36		inferior conj	6478 Aug 27 07:39	9°♊15'18	-4°59'39
morning max el	6477 Oct 06 17:24	28°♊39'09	19°34'45	minimum elong	6478 Aug 27 00:50	9°♊25'04	4°58'34
	6477 Oct 08 01:33	0°♊		morning rise	6478 Sep 04 19:15	5°♊25'45	
asc. node	6477 Oct 11 16:34	4°♊28'02		direct	6478 Sep 07 21:12	5°♊03'44	
morning set	6477 Oct 24 04:10	26°♊39'09		morning max el	6478 Sep 19 01:35	10°♊16'43	20°53'10
	6477 Oct 25 20:00	0°♊		asc. node	6478 Sep 28 13:36	22°♊35'17	
					6478 Oct 02 18:32	0°♊	
superior conj	6477 Nov 01 02:46	12°♊35'59	1°33'49	morning set	6478 Oct 08 11:45	11°♊21'27	
minimum elong	6477 Nov 01 05:01	12°♊47'05	1°33'41				
max. Earth dist.	6477 Nov 07 07:13	24°♊25'42	1.37705 AU	superior conj	6478 Oct 15 21:37	26°♊45'44	1°41'31
	6477 Nov 10 08:45	0°♊		minimum elong	6478 Oct 15 22:24	26°♊49'47	1°41'32
evening rise	6477 Nov 11 01:08	1°♊12'55			6478 Oct 17 11:42	0°♊	
desc. node	6477 Nov 16 07:25	10°♊15'53		max. Earth dist.	6478 Oct 20 16:04	6°♊20'54	1.35747 AU
	6477 Nov 29 00:18	0°♊		evening rise	6478 Oct 24 16:44	14°♊03'27	
evening max el	6477 Dec 16 16:28	22°♊03'33	25°15'37		6478 Nov 02 18:09	0°♊	
retrograde	6477 Dec 28 16:59	28°♊59'57		desc. node	6478 Nov 03 04:26	0°♊42'30	
evening set	6478 Jan 03 11:54	26°♊35'56			6478 Nov 23 19:41	0°♊	
asc. node	6478 Jan 07 15:49	22°♊02'14		evening max el	6478 Nov 29 05:25	5°♊47'46	26°20'28
min. Earth dist.	6478 Jan 07 22:43	21°♊40'05	0.67462 AU	retrograde	6478 Dec 12 00:19	13°♊00'04	
inferior conj	6478 Jan 09 02:35	20°♊09'38	0°29'07	evening set	6478 Dec 18 08:15	10°♊25'57	
minimum elong	6478 Jan 09 01:52	20°♊11'59	0°28'51	min. Earth dist.	6478 Dec 22 12:20	6°♊05'14	0.66528 AU
morning rise	6478 Jan 14 16:05	14°♊13'36		inferior conj	6478 Dec 24 03:36	4°♊05'38	-0°28'13
direct	6478 Jan 18 03:40	13°♊03'45		minimum elong	6478 Dec 24 04:22	4°♊03'18	0°27'50
morning max el	6478 Jan 25 07:07	17°♊02'28	19°25'18	asc. node	6478 Dec 25 12:52	2°♊25'57	
	6478 Feb 04 09:48	0°♊			6478 Dec 27 19:59	30°♊	
greatest brilliancy	6478 Feb 07 08:37	4°♊20'52	-0.7m	morning rise	6478 Dec 30 01:09	28°♊19'29	
desc. node	6478 Feb 12 06:41	11°♊46'52		direct	6479 Jan 02 02:07	27°♊27'12	
morning set	6478 Feb 18 19:08	21°♊47'39			6479 Jan 07 14:02	0°♊	
	6478 Feb 24 02:10	0°♊		morning max el	6479 Jan 08 17:39	1°♊04'11	18°36'38
max. Earth dist.	6478 Mar 03 15:28	11°♊50'23	1.44747 AU		6479 Jan 28 18:15	0°♊	
				morning set	6479 Jan 29 12:51	1°♊13'28	
superior conj	6478 Mar 07 10:45	17°♊52'54	-2°03'06	desc. node	6479 Jan 30 03:41	2°♊12'07	
minimum elong	6478 Mar 07 04:57	17°♊29'45	2°02'49				
	6478 Mar 14 22:38	0°♊		superior conj	6479 Feb 14 16:32	26°♊36'59	-1°36'01
evening rise	6478 Mar 21 13:44	10°♊57'56		minimum elong	6479 Feb 14 06:58	25°♊59'32	1°35'03
	6478 Apr 02 04:03	0°♊		max. Earth dist.	6479 Feb 14 09:46	26°♊10'28	1.45371 AU
asc. node	6478 Apr 05 15:02	5°♊03'26			6479 Feb 16 20:18	0°♊	
evening max el	6478 Apr 09 13:55	9°♊47'51	18°19'42	evening rise	6479 Mar 02 07:52	21°♊18'45	
retrograde	6478 Apr 15 23:52	13°♊14'25			6479 Mar 07 18:32	0°♊	
evening set	6478 Apr 19 00:18	12°♊24'56		greatest brilliancy	6479 Mar 10 16:18	4°♊36'54	-0.8m
inferior conj	6478 Apr 24 22:06	7°♊00'07	3°24'30	asc. node	6479 Mar 23 12:05	22°♊45'39	
minimum elong	6478 Apr 24 23:08	6°♊57'09	3°24'23	evening max el	6479 Mar 24 00:44	23°♊18'32	18°50'55
min. Earth dist.	6478 Apr 27 07:44	4°♊16'03	0.63983 AU	retrograde	6479 Mar 30 18:00	27°♊03'13	
morning rise	6478 Apr 30 21:00	0°♊48'26		evening set	6479 Apr 03 01:22	26°♊00'13	
	6478 May 01 23:02	30°♊		inferior conj	6479 Apr 08 15:46	20°♊18'22	3°28'17
direct	6478 May 07 15:52	28°♊05'07		minimum elong	6479 Apr 08 15:23	20°♊19'35	3°28'15
desc. node	6478 May 11 06:00	28°♊45'02		min. Earth dist.	6479 Apr 10 09:49	18°♊07'31	0.65671 AU
	6478 May 13 21:54	0°♊		morning rise	6479 Apr 14 04:55	14°♊02'51	
morning max el	6478 May 21 09:59	6°♊04'09	27°35'56	direct	6479 Apr 20 17:15	11°♊14'18	

desc. node	6479 Apr 28 03:01	14° Υ 03'22			6480 Apr 12 22:44	0° Υ	
morning max el	6479 May 03 20:18	19° Υ 00'12	26°46'01	desc. node	6480 Apr 14 00:03	0° Υ 58'36	
	6479 May 13 03:55	0° \mathcal{B}		morning max el	6480 Apr 15 06:02	2° Υ 12'21	25°32'50
	6479 Jun 01 15:48	0° Π			6480 May 06 06:53	0° \mathcal{B}	
morning set	6479 Jun 08 17:02	12° Π 51'33		morning set	6480 May 21 09:59	25° \mathcal{B} 21'30	
max. Earth dist.	6479 Jun 12 23:03	21° Π 09'17	1.34301 AU		6480 May 23 22:26	0° Π	
				max. Earth dist.	6480 May 25 03:21	2° Π 15'52	1.36042 AU
superior conj	6479 Jun 17 08:34	0° \mathfrak{D} 07'33	-0°21'31	superior conj	6480 May 31 00:14	13° Π 41'39	-0°52'09
minimum elong	6479 Jun 17 09:44	0° \mathfrak{D} 13'39	0°21'19	minimum elong	6480 May 31 03:14	13° Π 56'40	0°51'39
	6479 Jun 17 07:07	0° \mathfrak{D}			6480 Jun 05 08:23	24° Π 32'03	
asc. node	6479 Jun 19 11:20	4° \mathfrak{D} 33'02		asc. node	6480 Jun 08 01:54	0° \mathfrak{D} 06'54	
evening rise	6479 Jun 24 19:54	15° \mathfrak{D} 49'39		evening rise	6480 Jun 08 00:32	0° \mathfrak{D}	
	6479 Jul 01 23:36	0° Ω			6480 Jun 25 16:56	28° \mathfrak{D} 53'53	19°57'34
evening max el	6479 Jul 14 09:32	17° Ω 46'24	21°14'37	evening max el	6480 Jun 26 21:25	0° Ω	
desc. node	6479 Jul 25 02:16	23° Ω 38'29			6480 Jul 06 00:37	3° Ω 57'53	
retrograde	6479 Jul 26 09:32	23° Ω 42'34		retrograde	6480 Jul 07 21:54	3° Ω 48'27	
evening set	6479 Jul 28 17:35	23° Ω 29'54		evening set	6480 Jul 10 23:19	2° Ω 56'34	
inferior conj	6479 Aug 07 01:04	19° Ω 31'38	-3°40'58	desc. node	6480 Jul 16 21:52	29° \mathfrak{D} 48'16	-1°47'23
minimum elong	6479 Aug 06 16:02	19° Ω 44'19	3°38'19	inferior conj	6480 Jul 16 16:54	29° \mathfrak{D} 55'49	1°45'34
min. Earth dist.	6479 Aug 07 08:06	19° Ω 21'46	0.54741 AU	minimum elong	6480 Jul 16 14:07	30° $\mathcal{R}\mathfrak{D}$	
morning rise	6479 Aug 15 15:11	15° Ω 37'20			6480 Jul 18 20:03	28° \mathfrak{D} 38'25	0.55187 AU
direct	6479 Aug 19 05:55	15° Ω 09'15		min. Earth dist.	6480 Jul 25 10:05	25° \mathfrak{D} 28'23	
morning max el	6479 Aug 31 22:24	21° Ω 10'09	22°29'44	morning rise	6480 Jul 29 18:24	24° \mathfrak{D} 47'01	
	6479 Sep 08 10:29	0° \mathfrak{M}		direct	6480 Aug 10 18:24	0° Ω	
asc. node	6479 Sep 15 10:39	11° \mathfrak{M} 22'11			6480 Aug 12 12:30	1° Ω 33'45	24°14'32
morning set	6479 Sep 22 22:22	26° \mathfrak{M} 11'44		morning max el	6480 Aug 31 23:53	0° \mathfrak{M}	
	6479 Sep 24 17:28	0° \mathfrak{L}			6480 Sep 01 07:42	0° \mathfrak{M} 37'58	
				asc. node	6480 Sep 06 10:06	11° \mathfrak{M} 03'21	
superior conj	6479 Sep 30 00:27	11° \mathfrak{L} 18'33	1°41'59	morning set			
minimum elong	6479 Sep 29 23:55	11° \mathfrak{L} 15'41	1°41'58				
max. Earth dist.	6479 Oct 03 08:29	18° \mathfrak{L} 17'56	1.34122 AU	superior conj	6480 Sep 13 08:24	26° \mathfrak{M} 04'33	1°36'10
evening rise	6479 Oct 07 23:26	27° \mathfrak{L} 35'47		minimum elong	6480 Sep 13 06:52	25° \mathfrak{M} 56'10	1°36'03
	6479 Oct 09 05:13	0° \mathfrak{M}			6480 Sep 15 03:55	0° \mathfrak{L}	
desc. node	6479 Oct 21 01:29	20° \mathfrak{M} 52'33		max. Earth dist.	6480 Sep 15 09:11	0° \mathfrak{L} 28'16	1.32916 AU
	6479 Oct 27 00:20	0° \mathcal{A}		evening rise	6480 Sep 20 17:18	11° \mathfrak{L} 38'33	
evening max el	6479 Nov 11 18:15	19° \mathcal{A} 22'41	27°06'38		6480 Sep 30 11:12	0° \mathfrak{M}	
retrograde	6479 Nov 25 02:04	26° \mathcal{A} 41'25		desc. node	6480 Oct 06 22:32	10° \mathfrak{M} 37'40	
evening set	6479 Dec 01 21:07	24° \mathcal{A} 02'49			6480 Oct 21 15:30	0° \mathcal{A}	
min. Earth dist.	6479 Dec 05 19:03	20° \mathcal{A} 16'54	0.65242 AU	evening max el	6480 Oct 24 05:43	2° \mathcal{A} 36'25	27°27'26
inferior conj	6479 Dec 07 22:08	17° \mathcal{A} 53'42	-1°30'45	retrograde	6480 Nov 06 21:37	9° \mathcal{A} 54'24	
minimum elong	6479 Dec 08 00:47	17° \mathcal{A} 46'14	1°29'35	evening set	6480 Nov 13 23:47	7° \mathcal{A} 19'52	
asc. node	6479 Dec 12 09:55	13° \mathcal{A} 27'50		min. Earth dist.	6480 Nov 17 16:54	4° \mathcal{A} 06'07	0.63616 AU
morning rise	6479 Dec 14 05:39	12° \mathcal{A} 20'12		inferior conj	6480 Nov 20 07:35	1° \mathcal{A} 27'18	-2°36'30
direct	6479 Dec 16 22:00	11° \mathcal{A} 41'43		minimum elong	6480 Nov 20 12:18	1° \mathcal{A} 15'19	2°34'40
morning max el	6479 Dec 23 08:59	15° \mathcal{A} 07'49	18°04'32		6480 Nov 21 18:38	30° $\mathcal{R}\mathfrak{M}$	
	6480 Jan 03 02:10	0° \mathfrak{Z}		morning rise	6480 Nov 27 02:30	26° \mathfrak{M} 09'23	
morning set	6480 Jan 10 12:05	12° \mathfrak{Z} 08'04		asc. node	6480 Nov 28 06:58	25° \mathfrak{M} 48'21	
desc. node	6480 Jan 17 00:44	22° \mathfrak{Z} 48'17		direct	6480 Nov 29 12:35	25° \mathfrak{M} 40'51	
	6480 Jan 21 12:01	0° \approx		morning max el	6480 Dec 06 02:07	29° \mathfrak{M} 05'25	17°49'40
					6480 Dec 06 23:04	0° \mathcal{A}	
superior conj	6480 Jan 24 23:21	5° \approx 31'21	-0°54'04	morning set	6480 Dec 22 14:05	24° \mathcal{A} 20'26	
minimum elong	6480 Jan 24 16:50	5° \approx 05'36	0°53'10		6480 Dec 25 21:00	0° \mathfrak{Z}	
max. Earth dist.	6480 Jan 28 05:22	10° \approx 38'58	1.45250 AU	desc. node	6481 Jan 02 21:45	13° \mathfrak{Z} 31'12	
	6480 Feb 09 15:35	0° \mathcal{H}					
evening rise	6480 Feb 10 05:10	0° \mathcal{H} 52'33		superior conj	6481 Jan 04 01:09	15° \mathfrak{Z} 23'52	-0°08'09
greatest brilliancy	6480 Feb 23 11:22	21° \mathcal{H} 09'41	-0.7m	minimum elong	6481 Jan 04 00:16	15° \mathfrak{Z} 20'14	0°07'59
	6480 Feb 29 15:12	0° Υ		behind sun begin	6481 Jan 03 15:47	14° \mathfrak{Z} 45'25	
evening max el	6480 Mar 06 07:22	6° Υ 52'33	19°38'50	behind sun end	6481 Jan 04 08:45	15° \mathfrak{Z} 54'59	
asc. node	6480 Mar 09 09:09	9° Υ 32'20		max. Earth dist.	6481 Jan 09 23:17	24° \mathfrak{Z} 58'08	1.44409 AU
retrograde	6480 Mar 13 15:34	11° Υ 06'02			6481 Jan 13 03:33	0° \approx	
evening set	6480 Mar 17 06:40	9° Υ 48'56		evening rise	6481 Jan 19 15:57	10° \approx 07'40	
inferior conj	6480 Mar 22 16:39	3° Υ 52'08	3°18'02		6481 Feb 01 20:44	0° \mathcal{H}	
minimum elong	6480 Mar 22 15:10	3° Υ 57'02	3°17'51	evening max el	6481 Feb 17 08:42	20° \mathcal{H} 28'12	20°41'11
min. Earth dist.	6480 Mar 23 19:49	2° Υ 22'09	0.66937 AU	asc. node	6481 Feb 24 06:11	25° \mathcal{H} 09'00	
	6480 Mar 25 16:53	30° $\mathcal{R}\mathcal{H}$		retrograde	6481 Feb 25 13:59	25° \mathcal{H} 18'15	
morning rise	6480 Mar 27 23:25	27° \mathcal{H} 36'02		evening set	6481 Mar 01 14:05	23° \mathcal{H} 46'26	
direct	6480 Apr 03 00:52	24° \mathcal{H} 53'54		inferior conj	6481 Mar 06 22:06	17° \mathcal{H} 37'06	2°56'32

minimum elong	6481 Mar 06 19:58	17° ♄ 44'26	2°56'05	inferior conj	6482 Feb 19 05:54	1° ♄ 29'29	2°25'30
min. Earth dist.	6481 Mar 07 11:40	16° ♄ 50'27	0.67772 AU	minimum elong	6482 Feb 19 03:33	1° ♄ 37'37	2°24'51
morning rise	6481 Mar 12 01:37	11° ♄ 22'36		min. Earth dist.	6482 Feb 19 07:04	1° ♄ 25'25	0.68191 AU
direct	6481 Mar 17 13:44	8° ♄ 55'41			6482 Feb 20 07:47	30° ♄	
morning max el	6481 Mar 28 14:46	15° ♄ 31'53	24°06'28	morning rise	6482 Feb 24 09:01	25° ♄ 18'12	
desc. node	6481 Mar 31 21:04	19° ♄ 03'53		direct	6482 Mar 01 06:51	23° ♄ 12'00	
	6481 Apr 09 11:56	0° ♄		morning max el	6482 Mar 11 00:52	28° ♄ 57'20	22°36'58
	6481 Apr 29 05:42	0° ♄			6482 Mar 12 01:08	0° ♄	
morning set	6481 May 03 06:40	6° ♄ 50'59		desc. node	6482 Mar 18 18:04	7° ♄ 59'04	
max. Earth dist.	6481 May 06 23:43	13° ♄ 22'19	1.38132 AU		6482 Apr 03 05:46	0° ♄	
				morning set	6482 Apr 14 01:12	17° ♄ 04'08	
superior conj	6481 May 14 03:53	26° ♄ 38'00	-1°22'07	max. Earth dist.	6482 Apr 18 19:57	25° ♄ 03'41	1.40358 AU
minimum elong	6481 May 14 08:34	27° ♄ 00'23	1°21'29		6482 Apr 21 16:47	0° ♄	
	6481 May 15 21:58	0° ♄					
evening rise	6481 May 23 01:23	14° ♄ 01'03		superior conj	6482 Apr 26 15:07	8° ♄ 45'18	-1°48'18
asc. node	6481 May 23 05:26	14° ♄ 20'58		minimum elong	6482 Apr 26 20:28	9° ♄ 09'29	1°47'48
	6481 May 31 14:55	0° ♄		evening rise	6482 May 06 15:04	27° ♄ 22'56	
evening max el	6481 Jun 08 12:45	10° ♄ 45'16	19°00'32		6482 May 08 00:20	0° ♄	
retrograde	6481 Jun 17 04:54	15° ♄ 01'01		asc. node	6482 May 10 02:26	3° ♄ 54'21	
evening set	6481 Jun 19 04:42	14° ♄ 48'27		evening max el	6482 May 22 17:50	23° ♄ 13'24	18°23'58
inferior conj	6481 Jun 27 10:47	10° ♄ 33'58	0°07'06	retrograde	6482 May 30 04:16	26° ♄ 55'25	
minimum elong	6481 Jun 27 11:05	10° ♄ 33'28	0°06'58	evening set	6482 Jun 01 10:58	26° ♄ 35'30	
transit middle	6481 Jun 27 11:05	10° ♄ 33'28	0°06'58	inferior conj	6482 Jun 08 21:06	22° ♄ 00'51	1°38'22
transit begin	6481 Jun 27 07:41	10° ♄ 39'22		minimum elong	6482 Jun 09 00:06	21° ♄ 54'43	1°37'22
transit end	6481 Jun 27 14:29	10° ♄ 27'32		min. Earth dist.	6482 Jun 12 07:04	19° ♄ 15'01	0.58465 AU
desc. node	6481 Jun 27 20:20	10° ♄ 17'19		desc. node	6482 Jun 14 17:21	17° ♄ 31'02	
min. Earth dist.	6481 Jun 30 11:17	8° ♄ 28'33	0.56521 AU	morning rise	6482 Jun 16 10:02	16° ♄ 31'32	
morning rise	6481 Jul 05 14:10	5° ♄ 38'10		direct	6482 Jun 22 11:47	14° ♄ 54'49	
direct	6481 Jul 10 20:10	4° ♄ 33'01		morning max el	6482 Jul 06 21:03	22° ♄ 38'10	27°07'16
morning max el	6481 Jul 25 02:21	11° ♄ 54'12	25°52'17		6482 Jul 13 09:53	0° ♄	
	6481 Aug 08 02:36	0° ♄			6482 Aug 01 01:45	0° ♄	
asc. node	6481 Aug 19 04:44	20° ♄ 15'02		morning set	6482 Aug 06 06:25	10° ♄ 31'23	
morning set	6481 Aug 21 21:20	25° ♄ 51'34		asc. node	6482 Aug 06 01:45	10° ♄ 06'48	
	6481 Aug 23 19:37	0° ♄					
superior conj	6481 Aug 28 19:14	10° ♄ 56'43	1°24'51	superior conj	6482 Aug 13 07:03	25° ♄ 48'47	1°08'37
minimum elong	6481 Aug 28 17:06	10° ♄ 44'58	1°24'34	minimum elong	6482 Aug 13 04:47	25° ♄ 36'13	1°08'14
max. Earth dist.	6481 Aug 29 16:27	12° ♄ 53'35	1.32154 AU	max. Earth dist.	6482 Aug 13 03:09	25° ♄ 27'08	1.31825 AU
evening rise	6481 Sep 04 19:12	26° ♄ 02'55			6482 Aug 15 04:27	0° ♄	
	6481 Sep 06 17:20	0° ♄		evening rise	6482 Aug 20 02:28	10° ♄ 40'57	
desc. node	6481 Sep 23 19:33	29° ♄ 47'41			6482 Aug 29 23:17	0° ♄	
	6481 Sep 23 22:56	0° ♄		desc. node	6482 Sep 10 16:33	18° ♄ 08'47	
evening max el	6481 Oct 06 13:45	15° ♄ 16'36	27°17'06	evening max el	6482 Sep 18 15:35	27° ♄ 11'32	26°33'03
retrograde	6481 Oct 20 09:59	22° ♄ 29'28			6482 Sep 21 22:12	0° ♄	
evening set	6481 Oct 27 12:43	20° ♄ 09'59		retrograde	6482 Oct 02 13:42	4° ♄ 18'53	
min. Earth dist.	6481 Oct 31 04:24	17° ♄ 21'41	0.61713 AU	evening set	6482 Oct 09 07:26	2° ♄ 25'48	
inferior conj	6481 Nov 03 04:52	14° ♄ 38'49	-3°41'43	min. Earth dist.	6482 Oct 13 05:12	29° ♄ 50'41	0.59651 AU
minimum elong	6481 Nov 03 11:15	14° ♄ 24'26	3°39'42		6482 Oct 13 00:15	30° ♄	
morning rise	6481 Nov 10 11:47	9° ♄ 39'41		inferior conj	6482 Oct 16 10:33	27° ♄ 19'05	-4°39'32
direct	6481 Nov 12 18:36	9° ♄ 17'27		minimum elong	6482 Oct 16 17:02	27° ♄ 06'18	4°38'08
asc. node	6481 Nov 15 04:01	9° ♄ 42'44		morning rise	6482 Oct 24 04:48	22° ♄ 41'51	
morning max el	6481 Nov 19 17:52	12° ♄ 48'48	17°52'57	direct	6482 Oct 26 11:56	22° ♄ 22'49	
	6481 Dec 01 08:10	0° ♄		asc. node	6482 Nov 02 01:02	25° ♄ 06'37	
morning set	6481 Dec 05 12:18	7° ♄ 30'32		morning max el	6482 Nov 03 04:54	26° ♄ 09'21	18°15'45
					6482 Nov 06 12:58	0° ♄	
superior conj	6481 Dec 16 04:59	26° ♄ 31'48	0°32'39	morning set	6482 Nov 19 00:51	21° ♄ 21'08	
minimum elong	6481 Dec 16 07:44	26° ♄ 43'39	0°32'17		6482 Nov 23 14:30	0° ♄	
	6481 Dec 18 05:39	0° ♄					
desc. node	6481 Dec 20 18:46	4° ♄ 17'15		superior conj	6482 Nov 28 08:57	8° ♄ 49'43	1°04'06
max. Earth dist.	6481 Dec 23 13:41	8° ♄ 53'43	1.42953 AU	minimum elong	6482 Nov 28 12:40	9° ♄ 06'35	1°03'40
evening rise	6481 Dec 30 07:51	19° ♄ 42'59		max. Earth dist.	6482 Dec 05 23:36	22° ♄ 13'33	1.41046 AU
	6482 Jan 06 00:11	0° ♄		desc. node	6482 Dec 07 15:47	25° ♄ 03'16	
	6482 Jan 27 12:09	0° ♄		evening rise	6482 Dec 10 17:28	0° ♄	
evening max el	6482 Jan 31 04:44	4° ♄ 05'29	21°54'22		6482 Dec 10 15:28	0° ♄	
retrograde	6482 Feb 09 11:16	9° ♄ 35'36			6482 Dec 30 11:58	0° ♄	
asc. node	6482 Feb 11 03:13	9° ♄ 21'06		evening max el	6483 Jan 13 20:33	17° ♄ 45'53	23°13'29
evening set	6482 Feb 13 21:54	7° ♄ 48'31		retrograde	6483 Jan 24 06:03	23° ♄ 55'04	
				evening set	6483 Jan 29 04:36	21° ♄ 52'33	

asc. node	6483 Jan 29 00:14	22°  01'35		asc. node	6484 Jan 15 21:17	3°  18'22	
min. Earth dist.	6483 Feb 03 03:45	16°  03'07	0.68211 AU	min. Earth dist.	6484 Jan 17 23:31	0°  38'51	0.67844 AU
inferior conj	6483 Feb 03 14:10	15°  27'17	1°46'10		6484 Jan 18 11:11	30°  R 	
minimum elong	6483 Feb 03 12:05	15°  34'28	1°45'27	inferior conj	6484 Jan 18 21:06	29°  32'52	0°59'16
morning rise	6483 Feb 08 19:29	9°  20'40		minimum elong	6484 Jan 18 19:44	29°  31'24	0°58'45
direct	6483 Feb 13 03:08	7°  37'18		morning rise	6484 Jan 24 06:59	23°  32'33	
morning max el	6483 Feb 21 16:12	12°  33'31	21°13'00	direct	6484 Jan 28 01:24	22°  30'19	
desc. node	6483 Mar 05 15:06	27°  30'49		morning max el	6484 Feb 04 15:10	26°  32'14	20°00'27
	6483 Mar 07 09:15	0°  X			6484 Feb 07 21:57	0°  X	
morning set	6483 Mar 24 15:53	26°  X00'30		desc. node	6484 Feb 20 12:07	17°  X28'40	
	6483 Mar 27 04:21	0°  Y			6484 Feb 28 18:57	0°  X	
max. Earth dist.	6483 Mar 31 22:22	7°  Y40'42	1.42429 AU	morning set	6484 Mar 02 13:18	4°  X14'57	
				max. Earth dist.	6484 Mar 13 08:03	21°  X08'35	1.44069 AU
superior conj	6483 Apr 08 05:11	19°  Y53'02	-2°06'03	superior conj	6484 Mar 18 18:22	29°  X54'12	-2°09'35
minimum elong	6483 Apr 08 08:42	20°  Y08'03	2°05'55	minimum elong	6484 Mar 18 16:29	29°  X46'30	2°09'34
	6483 Apr 14 00:21	0°  8			6484 Mar 18 19:47	0°  Y	
evening rise	6483 Apr 19 15:05	10°  804'00		evening rise	6484 Mar 31 20:59	21°  Y54'53	
asc. node	6483 Apr 26 23:26	23°  806'52			6484 Apr 05 14:04	0°  8	
	6483 May 01 06:30	0°  II		asc. node	6484 Apr 12 20:28	11°  851'55	
evening max el	6483 May 06 04:32	6°  II09'09	18°07'17	evening max el	6484 Apr 18 17:29	19°  824'17	18°09'50
retrograde	6483 May 12 21:14	9°  II33'50		retrograde	6484 Apr 25 03:19	22°  846'36	
evening set	6483 May 15 11:02	9°  II03'47		evening set	6484 Apr 27 23:48	22°  804'41	
inferior conj	6483 May 22 03:53	4°  II08'31	2°39'45	inferior conj	6484 May 04 03:25	16°  850'14	3°14'25
minimum elong	6483 May 22 06:59	4°  II01'08	2°38'59	minimum elong	6484 May 04 05:19	16°  845'06	3°14'08
min. Earth dist.	6483 May 25 09:49	1°  II05'10	0.60674 AU	min. Earth dist.	6484 May 06 21:35	13°  853'09	0.62838 AU
	6483 May 26 15:56	30°  R 		morning rise	6484 May 10 09:23	10°  842'41	
morning rise	6483 May 29 00:35	28°  815'00		direct	6484 May 17 04:54	8°  808'20	
desc. node	6483 Jun 01 14:22	26°  833'01		desc. node	6484 May 18 11:24	8°  813'18	
direct	6483 Jun 04 15:20	26°  805'57		morning max el	6484 May 31 05:30	16°  810'20	27°50'51
	6483 Jun 14 07:26	0°  II			6484 Jun 11 14:17	0°  II	
morning max el	6483 Jun 18 22:29	4°  II02'43	27°48'08		6484 Jun 29 19:40	0°  X	
	6483 Jul 08 03:04	0°  X		morning set	6484 Jul 04 10:45	9°  X02'38	
morning set	6483 Jul 21 11:36	24°  X57'06		asc. node	6484 Jul 09 19:45	20°  X13'50	
asc. node	6483 Jul 23 22:45	0°  Omega7'49		max. Earth dist.	6484 Jul 09 19:03	20°  X10'04	1.32473 AU
	6483 Jul 23 21:16	0°  Omega		superior conj	6484 Jul 12 02:35	25°  X09'17	0°23'24
max. Earth dist.	6483 Jul 27 13:20	7°  Omega56'42	1.31926 AU	minimum elong	6484 Jul 12 01:30	25°  X03'24	0°23'08
superior conj	6483 Jul 28 18:05	10°  Omega34'44	0°47'57		6484 Jul 14 07:59	0°  Omega	
minimum elong	6483 Jul 28 16:10	10°  Omega24'08	0°47'34	evening rise	6484 Jul 19 00:41	10°  Omega10'18	
evening rise	6483 Aug 04 12:56	25°  Omega25'22			6484 Jul 29 03:57	0°  X	
	6483 Aug 06 17:04	0°  X		evening max el	6484 Aug 11 21:36	18°  X41'57	23°44'19
	6483 Aug 24 04:09	0°  X		desc. node	6484 Aug 14 10:36	20°  X57'15	
desc. node	6483 Aug 28 13:35	5°  X20'54		retrograde	6484 Aug 25 13:15	25°  X33'04	
evening max el	6483 Aug 31 09:21	8°  X15'39	25°18'26	evening set	6484 Aug 29 22:46	24°  X50'34	
retrograde	6483 Sep 14 07:16	15°  X18'14		min. Earth dist.	6484 Sep 05 07:42	21°  X47'41	0.55941 AU
evening set	6483 Sep 20 03:05	14°  X00'15		inferior conj	6484 Sep 07 11:44	20°  X29'23	-5°21'00
min. Earth dist.	6483 Sep 24 20:58	11°  X20'32	0.57629 AU	minimum elong	6484 Sep 07 08:42	20°  X33'57	5°20'47
inferior conj	6483 Sep 27 21:15	9°  X17'36	-5°18'16	morning rise	6484 Sep 15 21:01	16°  X34'17	
minimum elong	6483 Sep 28 00:41	9°  X11'42	5°17'57	direct	6484 Sep 18 16:35	16°  X14'26	
morning rise	6483 Oct 06 00:35	5°  X03'41		morning max el	6484 Sep 28 23:21	21°  X02'23	20°05'34
direct	6483 Oct 08 12:06	4°  X45'19		asc. node	6484 Oct 05 19:07	29°  X24'53	
morning max el	6483 Oct 17 07:44	8°  X56'49	18°59'36		6484 Oct 06 04:22	0°  X	
asc. node	6483 Oct 19 22:04	11°  X45'40		morning set	6484 Oct 17 04:10	20°  X13'38	
	6483 Oct 31 01:52	0°  X			6484 Oct 21 22:42	0°  X	
morning set	6483 Nov 02 23:12	5°  X38'24		superior conj	6484 Oct 24 20:41	5°  X54'40	1°38'02
superior conj	6483 Nov 11 07:51	22°  X02'00	1°25'37	minimum elong	6484 Oct 24 22:20	6°  X02'53	1°37'58
minimum elong	6483 Nov 11 10:52	22°  X16'25	1°25'23	max. Earth dist.	6484 Oct 30 11:08	16°  X51'27	1.36839 AU
	6483 Nov 15 13:37	0°  X		evening rise	6484 Nov 03 06:30	23°  X55'04	
max. Earth dist.	6483 Nov 18 05:21	4°  X749'17	1.38922 AU		6484 Nov 06 16:44	0°  X	
evening rise	6483 Nov 22 01:23	11°  X732'53		desc. node	6484 Nov 10 09:49	6°  X718'26	
desc. node	6483 Nov 24 12:48	15°  X744'57			6484 Nov 26 02:47	0°  X	
	6483 Dec 03 10:22	0°  X		evening max el	6484 Dec 02 22:35	15°  X13'53	25°44'54
evening max el	6483 Dec 25 23:01	1°  X28'56	24°32'39	retrograde	6484 Dec 21 07:48	22°  X19'06	
retrograde	6484 Jan 07 21:12	8°  X11'18		evening set	6484 Dec 27 08:20	19°  X50'06	
evening set	6484 Jan 13 08:38	5° X54'18		min. Earth dist.	6484 Dec 31 16:08	15° X09'08	0.67110 AU

asc. node	6485 Jan 01 18:21	13°♄46'05		desc. node	6485 Oct 28 06:51	26°♄38'40	
inferior conj	6485 Jan 02 00:52	13°♄25'24	0°05'30		6485 Oct 30 08:55	0°♄	
minimum elong	6485 Jan 02 00:43	13°♄25'51	0°05'29	evening max el	6485 Nov 21 11:39	28°♄55'47	26°42'51
transit middle	6485 Jan 02 00:43	13°♄25'51	0°05'29		6485 Nov 22 15:05	0°♄	
transit begin	6485 Jan 01 22:04	13°♄34'17		retrograde	6485 Dec 04 13:02	6°♄12'14	
transit end	6485 Jan 02 03:22	13°♄17'26		evening set	6485 Dec 11 01:50	3°♄35'36	
morning rise	6485 Jan 07 17:34	7°♄33'17			6485 Dec 14 16:40	30°♄♄	
direct	6485 Jan 11 00:17	6°♄31'32		min. Earth dist.	6485 Dec 15 03:17	29°♄29'31	0.66020 AU
morning max el	6485 Jan 17 21:56	10°♄19'55	19°02'31	inferior conj	6485 Dec 16 23:28	27°♄19'09	-0°54'12
	6485 Feb 01 08:24	0°♄		minimum elong	6485 Dec 17 01:00	27°♄14'38	0°53'29
desc. node	6485 Feb 06 09:07	7°♄45'26		asc. node	6485 Dec 19 15:25	24°♄19'54	
morning set	6485 Feb 09 17:20	12°♄56'58		morning rise	6485 Dec 23 01:02	21°♄37'46	
	6485 Feb 20 15:42	0°♄		direct	6485 Dec 25 22:01	20°♄51'52	
max. Earth dist.	6485 Feb 23 23:28	5°♄12'50	1.45098 AU	morning max el	6486 Jan 01 10:48	24°♄23'18	18°20'49
					6486 Jan 06 02:58	0°♄	
superior conj	6485 Feb 26 08:29	8°♄57'22	-1°53'56	morning set	6486 Jan 20 23:27	23°♄00'42	
minimum elong	6485 Feb 26 00:20	8°♄25'11	1°53'21	desc. node	6486 Jan 24 06:08	28°♄15'55	
	6485 Mar 11 11:26	0°♄			6486 Jan 25 08:11	0°♄	
evening rise	6485 Mar 13 04:38	2°♄48'06					
asc. node	6485 Mar 30 17:31	0°♄00'16		superior conj	6486 Feb 05 12:15	17°♄39'35	-1°19'27
	6485 Mar 30 17:26	0°♄		minimum elong	6486 Feb 05 03:16	17°♄04'20	1°18'23
evening max el	6485 Apr 02 05:50	2°♄51'08	18°30'55	max. Earth dist.	6486 Feb 06 18:25	19°♄37'50	1.45413 AU
retrograde	6485 Apr 08 18:03	6°♄24'10			6486 Feb 13 09:27	0°♄	
evening set	6485 Apr 11 21:17	5°♄29'12		evening rise	6486 Feb 21 13:09	12°♄46'36	
inferior conj	6485 Apr 17 15:33	29°♄57'08	3°28'01	greatest brilliancy	6486 Mar 04 04:58	29°♄26'34	-0.8m
minimum elong	6485 Apr 17 15:57	29°♄55'56	3°27'59		6486 Mar 04 13:40	0°♄	
	6485 Apr 17 14:35	30°♄♄		evening max el	6486 Mar 16 15:10	16°♄24'16	19°09'27
min. Earth dist.	6485 Apr 19 18:40	27°♄25'28	0.64745 AU	asc. node	6486 Mar 17 14:36	17°♄20'57	
morning rise	6485 Apr 23 09:51	23°♄43'07		retrograde	6486 Mar 23 13:53	20°♄19'44	
direct	6485 Apr 30 02:38	20°♄55'41		evening set	6486 Mar 27 00:26	19°♄10'50	
desc. node	6485 May 05 08:27	22°♄20'59		inferior conj	6486 Apr 01 12:39	13°♄22'39	3°25'25
morning max el	6485 May 13 15:17	28°♄51'42	27°18'06	minimum elong	6486 Apr 01 11:45	13°♄25'32	3°25'21
	6485 May 14 17:43	0°♄		min. Earth dist.	6486 Apr 03 00:18	11°♄28'26	0.66267 AU
	6485 Jun 05 10:33	0°♄		morning rise	6486 Apr 06 22:42	7°♄06'44	
morning set	6485 Jun 18 01:06	22°♄39'02		direct	6486 Apr 13 06:59	4°♄19'22	
	6485 Jun 21 17:39	0°♄		desc. node	6486 Apr 22 05:28	8°♄24'19	
max. Earth dist.	6485 Jun 22 16:17	1°♄55'42	1.33494 AU	morning max el	6486 Apr 26 01:16	11°♄55'10	26°17'03
					6486 May 10 12:23	0°♄	
superior conj	6485 Jun 26 06:30	9°♄25'40	-0°04'25		6486 May 29 01:46	0°♄	
minimum elong	6485 Jun 26 06:44	9°♄26'53	0°04'25	morning set	6486 Jun 01 03:07	5°♄36'34	
behind sun begin	6485 Jun 26 01:24	8°♄58'39		max. Earth dist.	6486 Jun 05 02:37	13°♄12'50	1.34992 AU
behind sun end	6485 Jun 26 12:04	9°♄55'09					
asc. node	6485 Jun 26 16:46	10°♄20'06		superior conj	6486 Jun 10 03:28	23°♄17'32	-0°34'26
evening rise	6485 Jul 03 11:46	24°♄48'58		minimum elong	6486 Jun 10 05:24	23°♄27'26	0°34'06
	6485 Jul 05 23:36	0°♄			6486 Jun 13 09:24	0°♄	
evening max el	6485 Jul 24 11:51	29°♄00'42	22°06'39	asc. node	6486 Jun 13 13:49	0°♄23'01	
	6485 Jul 25 13:04	0°♄		evening rise	6486 Jun 17 20:16	9°♄15'58	
desc. node	6485 Aug 01 07:40	4°♄24'09			6486 Jun 28 22:10	0°♄	
retrograde	6485 Aug 06 07:05	5°♄22'03		evening max el	6486 Jul 06 11:55	9°♄44'49	20°39'32
evening set	6485 Aug 09 05:15	5°♄03'04		retrograde	6486 Jul 17 19:05	15°♄18'35	
min. Earth dist.	6485 Aug 17 17:12	1°♄23'01	0.54923 AU	desc. node	6486 Jul 19 04:42	15°♄13'46	
inferior conj	6485 Aug 18 09:50	0°♄59'38	-4°32'21	evening set	6486 Jul 19 20:35	15°♄08'14	
minimum elong	6485 Aug 18 01:12	1°♄11'47	4°30'27	inferior conj	6486 Jul 29 02:45	11°♄11'20	-2°55'03
	6485 Aug 20 04:43	30°♄♄		minimum elong	6486 Jul 28 18:53	11°♄22'35	2°52'26
morning rise	6485 Aug 26 22:44	27°♄10'14		min. Earth dist.	6486 Jul 30 03:34	10°♄35'47	0.54818 AU
direct	6485 Aug 30 05:31	26°♄46'13		morning rise	6486 Aug 06 16:47	7°♄08'21	
	6485 Sep 08 06:18	0°♄		direct	6486 Aug 10 14:41	6°♄35'29	
morning max el	6485 Sep 11 02:23	2°♄20'00	21°32'27	morning max el	6486 Aug 23 19:18	12°♄56'41	23°14'07
asc. node	6485 Sep 22 16:09	17°♄49'55			6486 Sep 05 17:18	0°♄	
	6485 Sep 29 03:00	0°♄		asc. node	6486 Sep 09 13:10	6°♄49'47	
morning set	6485 Oct 01 13:17	4°♄59'29		morning set	6486 Sep 16 00:32	19°♄50'22	
					6486 Sep 20 18:06	0°♄	
superior conj	6485 Oct 08 19:19	20°♄15'03	1°42'32				
minimum elong	6485 Oct 08 19:31	20°♄16'05	1°42'33	superior conj	6486 Sep 23 00:34	4°♄53'42	1°40'14
max. Earth dist.	6485 Oct 12 22:35	28°♄43'35	1.35007 AU	minimum elong	6486 Sep 22 23:34	4°♄48'16	1°40'11
	6485 Oct 13 13:52	0°♄		max. Earth dist.	6486 Sep 25 18:43	10°♄45'36	1.33558 AU
evening rise	6485 Oct 17 05:02	7°♄04'44		evening rise	6486 Sep 30 16:53	20°♄50'52	

































































































































	6486 Oct 05 11:17	0°♍	evening rise	6487 Sep 14 14:31	5°♌04'05	
desc. node	6486 Oct 15 03:53	16°♍38'58		6487 Sep 28 02:33	0°♍	
	6486 Oct 24 07:09	0°♌	desc. node	6487 Oct 02 00:55	6°♍11'04	
evening max el	6486 Nov 04 00:22	12°♌23'59 27°19'07	evening max el	6487 Oct 17 10:44	25°♍25'25 27°27'06	
retrograde	6486 Nov 17 12:05	19°♌42'22		6487 Oct 23 04:42	0°♌	
evening set	6486 Nov 24 10:43	17°♌04'40	retrograde	6487 Oct 31 04:25	2°♌40'56	
min. Earth dist.	6486 Nov 28 06:31	13°♌32'48 0.64587 AU	evening set	6487 Nov 07 08:01	0°♌11'16	
inferior conj	6486 Nov 30 14:30	11°♌02'07 -1°58'25		6487 Nov 07 14:26	30°♌	
minimum elong	6486 Nov 30 18:02	10°♌52'35 1°56'56	min. Earth dist.	6487 Nov 10 23:55	27°♌09'43 0.62838 AU	
asc. node	6486 Dec 06 12:29	5°♌51'44	inferior conj	6487 Nov 13 19:10	24°♌27'39 -3°04'30	
morning rise	6486 Dec 07 02:41	5°♌34'34	minimum elong	6487 Nov 14 00:41	24°♌14'18 3°02'31	
direct	6486 Dec 09 16:08	5°♌00'40	morning rise	6487 Nov 20 19:10	19°♌17'24	
morning max el	6486 Dec 16 03:13	8°♌24'59 17°56'02	direct	6487 Nov 23 03:36	18°♌51'51	
	6486 Dec 30 18:13	0°♌	asc. node	6487 Nov 23 09:29	18°♌52'08	
morning set	6487 Jan 02 10:54	4°♌31'26	morning max el	6487 Nov 29 20:10	22°♌17'55 17°48'51	
desc. node	6487 Jan 11 03:08	18°♌55'25		6487 Dec 05 19:17	0°♌	
			morning set	6487 Dec 15 22:19	17°♌11'14	
superior conj	6487 Jan 16 01:29	26°♌54'17 -0°34'25		6487 Dec 23 06:34	0°♌	
minimum elong	6487 Jan 15 21:24	26°♌37'56 0°33'48				
	6487 Jan 17 23:58	0°♌	superior conj	6487 Dec 27 14:14	7°♌19'07 0°10'08	
max. Earth dist.	6487 Jan 20 14:08	4°♌06'24 1.44983 AU	minimum elong	6487 Dec 27 15:15	7°♌23'20 0°10'02	
evening rise	6487 Feb 01 04:21	22°♌08'46	behind sun begin	6487 Dec 27 08:01	6°♌53'07	
	6487 Feb 06 07:29	0°♌	behind sun end	6487 Dec 27 22:28	7°♌53'31	
greatest brilliancy	6487 Feb 15 20:02	14°♌17'42 -0.6m	desc. node	6487 Dec 29 00:10	9°♌40'26	
	6487 Feb 27 19:54	0°♌	max. Earth dist.	6488 Jan 03 07:19	18°♌19'37 1.43861 AU	
evening max el	6487 Feb 27 19:43	29°♌59'31 20°03'45		6488 Jan 10 16:40	0°♌	
asc. node	6487 Mar 04 11:40	3°♌39'57	evening rise	6488 Jan 11 15:30	1°♌28'29	
retrograde	6487 Mar 07 11:59	4°♌27'17		6488 Jan 30 21:48	0°♌	
evening set	6487 Mar 11 06:52	3°♌03'49	evening max el	6488 Feb 10 18:40	13°♌35'44 21°11'05	
	6487 Mar 14 08:47	30°♌	retrograde	6488 Feb 19 10:13	18°♌42'38	
inferior conj	6487 Mar 16 15:45	27°♌01'25 3°10'08	asc. node	6488 Feb 19 08:42	18°♌42'37	
minimum elong	6487 Mar 16 13:56	27°♌07'31 3°09'51	evening set	6488 Feb 23 14:41	17°♌04'09	
min. Earth dist.	6487 Mar 17 12:55	25°♌50'01 0.67355 AU	inferior conj	6488 Feb 28 22:27	10°♌50'03 2°44'27	
morning rise	6487 Mar 21 20:48	20°♌46'02	minimum elong	6488 Feb 28 20:10	10°♌57'57 2°43'54	
direct	6487 Mar 27 16:50	18°♌09'38	min. Earth dist.	6488 Feb 29 06:31	10°♌22'07 0.68007 AU	
morning max el	6487 Apr 08 10:23	25°♌10'43 24°57'02	morning rise	6488 Mar 05 01:29	4°♌36'50	
desc. node	6487 Apr 09 02:28	25°♌52'03	direct	6488 Mar 10 07:29	2°♌18'35	
	6487 Apr 12 19:23	0°♌	morning max el	6488 Mar 20 19:30	8°♌33'29 23°28'11	
	6487 May 04 00:18	0°♌	desc. node	6488 Mar 25 23:29	14°♌20'45	
morning set	6487 May 14 12:05	17°♌42'11		6488 Apr 06 14:48	0°♌	
max. Earth dist.	6487 May 18 03:05	24°♌16'27 1.36906 AU	morning set	6488 Apr 24 22:18	28°♌40'49	
	6487 May 21 04:22	0°♌		6488 Apr 25 16:59	0°♌	
			max. Earth dist.	6488 Apr 28 22:48	5°♌35'36 1.39083 AU	
superior conj	6487 May 24 14:27	6°♌36'42 -1°05'07				
minimum elong	6487 May 24 18:14	6°♌55'14 1°04'31	superior conj	6488 May 06 11:40	19°♌13'16 -1°33'57	
asc. node	6487 May 31 10:52	20°♌18'25	minimum elong	6488 May 06 16:50	19°♌37'24 1°33'19	
evening rise	6487 Jun 01 23:48	23°♌24'22		6488 May 12 03:37	0°♌	
	6487 Jun 05 07:41	0°♌	evening rise	6488 May 15 19:34	7°♌06'08	
evening max el	6487 Jun 19 00:47	21°♌10'55 19°30'44	asc. node	6488 May 17 07:53	10°♌01'28	
retrograde	6487 Jun 28 14:40	25°♌53'10		6488 May 29 03:06	0°♌	
evening set	6487 Jun 30 12:10	25°♌42'55	evening max el	6488 Jun 01 00:53	3°♌18'29 18°42'26	
desc. node	6487 Jul 06 01:42	23°♌32'30	retrograde	6488 Jun 09 03:13	7°♌18'23	
inferior conj	6487 Jul 09 05:11	21°♌37'24 -0°57'02	evening set	6488 Jun 11 05:34	7°♌03'14	
minimum elong	6487 Jul 09 02:37	21°♌41'31 0°56'05	inferior conj	6488 Jun 19 03:01	2°♌40'17 0°49'27	
min. Earth dist.	6487 Jul 11 16:24	20°♌03'05 0.55659 AU	minimum elong	6488 Jun 19 04:50	2°♌36'54 0°48'45	
morning rise	6487 Jul 17 14:33	17°♌03'07	desc. node	6488 Jun 21 22:44	0°♌34'19	
direct	6487 Jul 22 07:55	16°♌13'05	min. Earth dist.	6488 Jun 22 09:23	0°♌15'13 0.57286 AU	
morning max el	6487 Aug 05 08:27	23°♌15'14 24°58'07		6488 Jun 22 18:01	30°♌	
	6487 Aug 11 10:06	0°♌	morning rise	6488 Jun 27 00:40	27°♌29'02	
asc. node	6487 Aug 27 10:10	26°♌15'48	direct	6488 Jul 02 15:21	26°♌11'18	
	6487 Aug 29 06:26	0°♌		6488 Jul 12 14:52	0°♌	
morning set	6487 Aug 31 12:15	4°♌41'39	morning max el	6488 Jul 17 00:09	3°♌43'38 26°27'58	
				6488 Aug 04 23:28	0°♌	
superior conj	6487 Sep 07 09:59	19°♌43'19 1°32'00	asc. node	6488 Aug 13 07:11	15°♌59'53	
minimum elong	6487 Sep 07 08:08	19°♌33'12 1°31'49	morning set	6488 Aug 14 22:46	19°♌27'10	
max. Earth dist.	6487 Sep 08 22:49	23°♌04'25 1.32537 AU		6488 Aug 19 19:27	0°♌	
	6487 Sep 12 04:12	0°♌				

superior conj	6488 Aug 21 21:25	4°♎36'13	1°18'32	minimum elong	6489 Aug 06 06:58	19°♏14'44	0°59'58
minimum elong	6488 Aug 21 19:11	4°♎23'48	1°18'12	max. Earth dist.	6489 Aug 05 18:42	18°♏06'57	1.31811 AU
max. Earth dist.	6488 Aug 22 07:56	5°♎34'20	1.31954 AU		6489 Aug 11 04:10	0°♎	
evening rise	6488 Aug 28 18:57	19°♎34'53		evening rise	6489 Aug 13 03:49	4°♎16'31	
	6488 Sep 02 22:31	0°♏			6489 Aug 26 18:01	0°♏	
desc. node	6488 Sep 17 21:56	25°♏02'30		desc. node	6489 Sep 04 18:56	12°♏57'11	
	6488 Sep 21 15:27	0°♎		evening max el	6489 Sep 10 14:28	19°♏19'16	26°04'35
evening max el	6488 Sep 28 16:07	7°♎46'25	27°02'25	retrograde	6489 Sep 24 13:23	26°♏25'24	
retrograde	6488 Oct 12 13:21	14°♎57'35		evening set	6489 Sep 30 23:12	24°♏46'37	
evening set	6488 Oct 19 13:47	12°♎47'33		min. Earth dist.	6489 Oct 05 03:24	22°♏11'39	0.58765 AU
min. Earth dist.	6488 Oct 23 06:35	10°♎07'01	0.60844 AU	inferior conj	6489 Oct 08 08:05	19°♏49'56	-4°59'16
inferior conj	6488 Oct 26 10:10	7°♎26'33	-4°07'43	minimum elong	6489 Oct 08 13:45	19°♏39'25	4°58'19
minimum elong	6488 Oct 26 16:53	7°♎12'15	4°05'51	morning rise	6489 Oct 16 06:35	15°♏22'41	
morning rise	6488 Nov 02 22:08	2°♎36'48		direct	6489 Oct 18 14:52	15°♏04'21	
direct	6488 Nov 05 04:34	2°♎16'21		morning max el	6489 Oct 26 18:22	19°♏00'39	18°31'44
asc. node	6488 Nov 09 06:30	3°♎25'40		asc. node	6489 Oct 27 03:31	19°♏23'11	
morning max el	6488 Nov 12 10:23	5°♎52'54	18°00'15		6489 Nov 03 20:44	0°♎	
	6488 Nov 27 18:34	0°♏		morning set	6489 Nov 11 20:20	14°♎42'42	
morning set	6488 Nov 28 03:12	0°♏39'53			6489 Nov 19 19:51	0°♏	
superior conj	6488 Dec 08 04:51	18°♏58'29	0°47'12	superior conj	6489 Nov 20 17:27	1°♏40'53	1°14'25
minimum elong	6488 Dec 08 08:17	19°♏13'37	0°46'46	minimum elong	6489 Nov 20 21:00	1°♏57'24	1°14'03
desc. node	6488 Dec 14 21:11	0°♏26'56		max. Earth dist.	6489 Nov 28 02:43	14°♏58'21	1.40150 AU
	6488 Dec 14 14:45	0°♏		desc. node	6489 Dec 01 18:10	21°♏11'31	
max. Earth dist.	6488 Dec 15 19:26	1°♏59'42	1.42179 AU	evening rise	6489 Dec 02 08:36	22°♏11'50	
evening rise	6488 Dec 21 13:43	11°♏21'50			6489 Dec 07 03:22	0°♏	
	6489 Jan 02 17:55	0°♏			6489 Dec 27 18:24	0°♏	
evening max el	6489 Jan 23 12:35	27°♏13'51	22°27'34	evening max el	6490 Jan 06 03:06	10°♏55'28	23°47'41
	6489 Jan 26 13:15	0°♏		retrograde	6490 Jan 17 00:11	17°♏20'08	
retrograde	6489 Feb 02 06:46	3°♏01'45		evening set	6490 Jan 22 03:59	15°♏11'33	
asc. node	6489 Feb 05 05:43	2°♏16'33		asc. node	6490 Jan 23 02:45	14°♏19'02	
evening set	6489 Feb 06 22:14	1°♏08'04		min. Earth dist.	6490 Jan 26 23:31	9°♏36'15	0.68093 AU
	6489 Feb 08 03:26	30°♏		inferior conj	6490 Jan 27 14:38	8°♏44'46	1°27'11
inferior conj	6489 Feb 12 06:42	24°♏45'39	2°09'50	minimum elong	6490 Jan 27 12:48	8°♏51'02	1°26'31
minimum elong	6489 Feb 12 04:24	24°♏53'37	2°09'07	morning rise	6490 Feb 01 21:35	2°♏40'21	
min. Earth dist.	6489 Feb 12 02:50	24°♏59'04	0.68242 AU	direct	6490 Feb 05 23:27	1°♏06'29	
morning rise	6489 Feb 17 10:26	18°♏35'59		morning max el	6490 Feb 14 01:48	5°♏44'43	20°40'29
direct	6489 Feb 22 02:02	16°♏39'34		desc. node	6490 Feb 27 17:31	23°♏17'26	
morning max el	6489 Mar 03 07:31	22°♏03'54	22°00'10		6490 Mar 04 07:30	0°♏	
	6489 Mar 10 03:31	0°♏		morning set	6490 Mar 15 09:54	16°♏52'50	
desc. node	6489 Mar 12 20:31	3°♏33'26			6490 Mar 23 16:42	0°♏	
	6489 Mar 30 22:09	0°♏		max. Earth dist.	6490 Mar 24 02:04	0°♏37'50	1.43190 AU
morning set	6489 Apr 05 04:52	8°♏21'23		superior conj	6490 Mar 30 18:23	11°♏37'38	-2°09'38
max. Earth dist.	6489 Apr 10 20:52	17°♏38'59	1.41271 AU	minimum elong	6490 Mar 30 20:00	11°♏44'28	2°09'38
	6489 Apr 18 01:35	0°♏			6490 Apr 10 10:09	0°♏	
superior conj	6489 Apr 18 14:33	0°♏57'14	-1°57'11	evening rise	6490 Apr 11 20:56	2°♏33'36	
minimum elong	6489 Apr 18 19:31	1°♏19'11	1°56'50	asc. node	6490 Apr 21 01:57	18°♏29'34	
evening rise	6489 Apr 29 04:03	20°♏12'41		evening max el	6490 Apr 28 21:01	29°♏06'14	18°06'05
asc. node	6489 May 04 04:54	29°♏27'25			6490 Apr 29 20:16	0°♏	
	6489 May 04 12:11	0°♏		retrograde	6490 May 05 09:25	2°♏27'46	
evening max el	6489 May 15 08:51	16°♏00'23	18°14'29	evening set	6490 May 08 02:11	1°♏52'48	
retrograde	6489 May 22 10:27	19°♏33'08			6490 May 11 02:27	30°♏	
evening set	6489 May 24 20:07	19°♏09'19		inferior conj	6490 May 14 12:55	26°♏49'25	2°57'18
inferior conj	6489 May 31 22:29	14°♏26'09	2°07'57	minimum elong	6490 May 14 15:37	26°♏42'40	2°56'46
minimum elong	6489 Jun 01 01:47	14°♏18'57	2°06'58	min. Earth dist.	6490 May 17 14:37	23°♏45'57	0.61623 AU
min. Earth dist.	6489 Jun 04 08:14	11°♏29'27	0.59390 AU	morning rise	6490 May 21 03:06	20°♏49'05	
morning rise	6489 Jun 08 04:29	8°♏44'59		desc. node	6490 May 26 16:49	18°♏31'57	
desc. node	6489 Jun 08 19:46	8°♏23'59		direct	6490 May 27 21:07	18°♏27'46	
direct	6489 Jun 14 12:45	6°♏53'47		morning max el	6490 Jun 11 01:41	26°♏27'35	27°53'44
morning max el	6489 Jun 28 21:49	14°♏44'46	27°29'08		6490 Jun 14 09:10	0°♏	
	6489 Jul 11 05:00	0°♏			6490 Jul 04 19:08	0°♏	
	6489 Jul 28 07:32	0°♏		morning set	6490 Jul 14 09:19	18°♏19'51	
morning set	6489 Jul 30 06:26	4°♏01'59		asc. node	6490 Jul 18 01:13	26°♏00'16	
asc. node	6489 Jul 31 04:12	5°♏56'30			6490 Jul 19 21:44	0°♏	
				max. Earth dist.	6490 Jul 20 03:20	0°♏30'27	1.32107 AU
superior conj	6489 Aug 06 09:09	19°♏26'47	1°00'22				

superior conj	6490 Jul 21 19:21	4°08'51	0°38'00	asc. node	6491 Jul 04 22:15	16°07'00	
minimum elong	6490 Jul 21 17:44	3°05'56	0°37'38				
evening rise	6490 Jul 28 15:05	19°02'08		superior conj	6491 Jul 06 02:11	18°36'36	0°11'59
	6490 Aug 02 23:03	0°00		minimum elong	6491 Jul 06 01:36	18°33'28	0°11'48
desc. node	6490 Aug 22 15:59	29°03'34		behind sun begin	6491 Jul 05 21:58	18°13'58	
evening max el	6490 Aug 23 05:33	0°05'39	24°39'58	behind sun end	6491 Jul 06 05:14	18°53'00	
	6490 Aug 23 03:12	0°00			6491 Jul 11 08:39	0°00	
retrograde	6490 Sep 06 02:02	7°04'09		evening rise	6491 Jul 13 02:50	3°04'53	
evening set	6490 Sep 11 08:15	6°02'18			6491 Jul 27 07:28	0°00	
min. Earth dist.	6490 Sep 16 16:45	3°04'36	0.56849 AU	evening max el	6491 Aug 04 17:35	10°04'26	23°02'09
inferior conj	6490 Sep 19 10:11	1°02'23	-5°24'58	desc. node	6491 Aug 09 13:02	14°08'25	
minimum elong	6490 Sep 19 11:10	1°02'47	5°24'55	retrograde	6491 Aug 18 02:06	17°05'03	
	6490 Sep 21 19:07	30°00		evening set	6491 Aug 21 20:03	16°03'42	
morning rise	6490 Sep 27 16:21	27°04'01		min. Earth dist.	6491 Aug 29 02:14	13°07'30	0.55412 AU
direct	6490 Sep 30 06:55	27°05'12		inferior conj	6491 Aug 30 16:47	12°02'47	-5°07'04
	6490 Oct 07 22:06	0°00		minimum elong	6491 Aug 30 10:51	12°03'23	5°06'16
morning max el	6490 Oct 09 16:40	1°03'13	19°24'56	morning rise	6491 Sep 08 03:51	8°03'29	
asc. node	6490 Oct 14 00:34	6°02'48		direct	6491 Sep 11 04:05	8°00'06	
morning set	6490 Oct 26 21:53	29°09'07		morning max el	6491 Sep 22 02:48	13°06'11	20°40'14
	6490 Oct 27 08:03	0°00		asc. node	6491 Sep 30 21:37	24°03'08	
					6491 Oct 04 02:57	0°00	
superior conj	6490 Nov 03 22:51	15°00'12	1°31'56	morning set	6491 Oct 11 04:55	13°05'07	
minimum elong	6490 Nov 04 01:20	15°00'24	1°31'46				
max. Earth dist.	6490 Nov 10 08:07	27°00'19	1.38018 AU	superior conj	6491 Oct 18 16:19	29°00'18	1°40'50
	6490 Nov 11 19:30	0°00		minimum elong	6491 Oct 18 17:20	29°00'23	1°40'50
evening rise	6490 Nov 14 01:59	4°02'39			6491 Oct 19 00:32	0°00	
desc. node	6490 Nov 18 15:11	11°00'50		max. Earth dist.	6491 Oct 23 16:07	9°00'15	1.36019 AU
	6490 Nov 30 05:01	0°00		evening rise	6491 Oct 27 15:01	16°00'46	
evening max el	6490 Dec 19 16:13	24°00'46	25°04'46		6491 Nov 04 02:45	0°00	
	6490 Dec 26 08:56	0°00		desc. node	6491 Nov 05 12:12	2°00'19	
retrograde	6490 Dec 31 13:21	1°00'33			6491 Nov 24 14:51	0°00	
	6491 Jan 05 05:08	30°00'00		evening max el	6491 Dec 02 05:05	8°00'25	26°11'43
evening set	6491 Jan 06 06:23	29°00'11		retrograde	6491 Dec 14 21:35	15°00'36	
asc. node	6491 Jan 09 23:49	25°00'09		evening set	6491 Dec 21 03:40	13°00'03	
min. Earth dist.	6491 Jan 10 18:15	24°00'10	0.67576 AU	min. Earth dist.	6491 Dec 25 08:40	8°00'37	0.66694 AU
inferior conj	6491 Jan 11 20:28	22°00'44	0°37'17	inferior conj	6491 Dec 26 22:16	6°00'41	-0°19'09
minimum elong	6491 Jan 11 19:34	22°00'47	0°36'57	minimum elong	6491 Dec 26 22:47	6°00'40	0°18'52
morning rise	6491 Jan 17 08:58	16°00'47		asc. node	6491 Dec 27 20:53	5°00'32	
direct	6491 Jan 20 22:18	15°00'34		morning rise	6492 Jan 01 18:31	0°00'54	
morning max el	6491 Jan 28 04:07	19°00'37	19°33'56	direct	6492 Jan 04 20:55	29°00'59	
	6491 Feb 05 12:20	0°00			6492 Jan 04 13:18	30°00'00	
greatest brilliancy	6491 Feb 10 02:23	6°00'38	-0.7m		6492 Jan 05 04:35	0°00	
desc. node	6491 Feb 14 14:32	13°00'24		morning max el	6492 Jan 11 13:47	3°00'38	18°42'49
morning set	6491 Feb 22 06:59	25°00'10			6492 Jan 30 01:38	0°00	
	6491 Feb 25 09:56	0°00		desc. node	6492 Feb 01 11:31	3°00'47	
max. Earth dist.	6491 Mar 06 14:52	14°00'24	1.44596 AU	morning set	6492 Feb 01 20:41	4°00'23	
				max. Earth dist.	6492 Feb 17 08:33	28°00'41	1.45324 AU
superior conj	6491 Mar 10 21:01	21°00'12	-2°05'27				
minimum elong	6491 Mar 10 16:13	20°00'52	2°05'16	superior conj	6492 Feb 18 04:24	29°00'59	-1°41'17
	6491 Mar 16 07:18	0°00		minimum elong	6492 Feb 17 18:58	29°00'22	1°40'24
evening rise	6491 Mar 24 17:45	14°00'00			6492 Feb 18 04:31	0°00	
	6491 Apr 03 08:16	0°00		evening rise	6492 Mar 04 15:22	24°00'12	
asc. node	6491 Apr 07 23:00	7°00'00			6492 Mar 08 01:37	0°00	
evening max el	6491 Apr 12 10:06	12°00'27	18°16'32	greatest brilliancy	6492 Mar 12 01:28	6°00'23	-0.9m
retrograde	6491 Apr 18 19:42	15°00'52		asc. node	6492 Mar 24 20:04	24°00'50	
evening set	6491 Apr 21 19:08	15°00'05		evening max el	6492 Mar 25 21:21	25°00'57	18°45'12
inferior conj	6491 Apr 27 18:18	9°00'42	3°22'23	retrograde	6492 Apr 01 13:08	29°00'38	
minimum elong	6491 Apr 27 19:34	9°00'39	3°22'15	evening set	6492 Apr 04 19:22	28°00'38	
min. Earth dist.	6491 Apr 30 06:09	6°00'54	0.63699 AU	inferior conj	6492 Apr 10 10:39	22°00'58	3°28'40
morning rise	6491 May 03 18:57	3°00'31		minimum elong	6492 Apr 10 10:28	22°00'59	3°28'39
direct	6491 May 10 14:09	0°00'50		min. Earth dist.	6492 Apr 12 07:02	20°00'42	0.65439 AU
desc. node	6491 May 13 13:52	1°00'18		morning rise	6492 Apr 16 01:01	16°00'43	
morning max el	6491 May 24 10:07	8°00'50	27°40'52	direct	6492 Apr 22 14:36	13°00'54	
	6491 Jun 09 19:50	0°00		desc. node	6492 Apr 29 10:54	16°00'19	
	6491 Jun 27 01:57	0°00		morning max el	6492 May 05 20:29	21°00'43	26°55'13
morning set	6491 Jun 28 05:06	2°00'14			6492 May 13 01:28	0°00	
max. Earth dist.	6491 Jul 03 06:02	12°00'33	1.32858 AU		6492 Jun 02 00:39	0°00	

morning set	6492 Jun 10 14:47	15° Π 36'12		morning set	6493 May 24 10:12	28° \mathcal{B} 13'42	
max. Earth dist.	6492 Jun 14 23:13	24° Π 09'15	1.34076 AU		6493 May 25 09:18	0° Π	
	6492 Jun 17 19:56	0° \mathcal{B}		max. Earth dist.	6493 May 28 04:50	5° Π 17'13	1.35754 AU
superior conj	6492 Jun 19 03:30	2° \mathcal{B} 44'03	-0°16'56	superior conj	6493 Jun 02 20:35	16° Π 22'54	-0°47'29
minimum elong	6492 Jun 19 04:25	2° \mathcal{B} 48'50	0°16'48	minimum elong	6493 Jun 02 23:19	16° Π 36'37	0°47'01
asc. node	6492 Jun 20 19:18	6° \mathcal{B} 12'52		asc. node	6493 Jun 07 16:18	26° Π 13'05	
evening rise	6492 Jun 26 13:08	18° \mathcal{B} 20'58			6493 Jun 09 12:25	0° \mathcal{B}	
	6492 Jul 02 08:01	0° \mathcal{Q}		evening rise	6493 Jun 10 19:47	2° \mathcal{B} 40'48	
evening max el	6492 Jul 16 11:09	20° \mathcal{Q} 50'54	21°27'36		6493 Jun 26 22:21	0° \mathcal{Q}	
desc. node	6492 Jul 26 10:05	26° \mathcal{Q} 41'54		evening max el	6493 Jun 28 16:37	1° \mathcal{Q} 52'14	20°07'52
retrograde	6492 Jul 28 16:41	26° \mathcal{Q} 54'18		retrograde	6493 Jul 09 06:31	7° \mathcal{Q} 03'52	
evening set	6492 Jul 31 03:45	26° \mathcal{Q} 40'25		evening set	6493 Jul 11 04:21	6° \mathcal{Q} 54'27	
inferior conj	6492 Aug 09 11:00	22° \mathcal{Q} 41'07	-3°55'53	desc. node	6493 Jul 13 07:08	6° \mathcal{Q} 23'26	
minimum elong	6492 Aug 09 01:50	22° \mathcal{Q} 53'57	3°53'21	inferior conj	6493 Jul 20 06:21	2° \mathcal{Q} 55'39	-2°05'29
min. Earth dist.	6492 Aug 09 11:46	22° \mathcal{Q} 40'02	0.54758 AU	minimum elong	6493 Jul 20 00:31	3° \mathcal{Q} 04'20	2°03'23
morning rise	6492 Aug 18 00:54	18° \mathcal{Q} 48'46		min. Earth dist.	6493 Jul 21 23:23	1° \mathcal{Q} 54'35	0.55063 AU
direct	6492 Aug 21 13:21	18° \mathcal{Q} 21'59			6493 Jul 25 11:18	30° \mathcal{R} \mathcal{B}	
morning max el	6492 Sep 03 01:10	24° \mathcal{Q} 15'55	22°14'30	morning rise	6493 Jul 28 19:12	28° \mathcal{B} 40'31	
	6492 Sep 08 05:36	0° \mathcal{M}		direct	6493 Aug 02 00:41	28° \mathcal{B} 01'36	
asc. node	6492 Sep 16 18:38	13° \mathcal{M} 11'37			6493 Aug 09 07:41	0° \mathcal{Q}	
morning set	6492 Sep 24 15:10	28° \mathcal{M} 39'19		morning max el	6493 Aug 15 15:45	4° \mathcal{Q} 42'12	23°58'53
	6492 Sep 25 06:30	0° \mathcal{Q}			6493 Sep 02 09:31	0° \mathcal{M}	
superior conj	6492 Oct 01 18:09	13° \mathcal{Q} 48'00	1°42'19	asc. node	6493 Sep 03 15:38	2° \mathcal{M} 23'25	
minimum elong	6492 Oct 01 17:47	13° \mathcal{Q} 46'08	1°42'20	morning set	6493 Sep 09 02:47	13° \mathcal{M} 30'47	
max. Earth dist.	6492 Oct 05 07:04	21° \mathcal{Q} 10'32	1.34338 AU	superior conj	6493 Sep 16 01:26	28° \mathcal{M} 32'19	1°37'24
evening rise	6492 Oct 09 19:41	0° \mathcal{M} 12'57		minimum elong	6493 Sep 16 00:01	28° \mathcal{M} 24'39	1°37'19
	6492 Oct 09 17:01	0° \mathcal{M}			6493 Sep 16 17:38	0° \mathcal{Q}	
desc. node	6492 Oct 22 09:14	22° \mathcal{M} 32'08		max. Earth dist.	6493 Sep 18 06:29	3° \mathcal{Q} 18'05	1.33070 AU
	6492 Oct 27 04:19	0° \mathcal{M}		evening rise	6493 Sep 23 12:05	14° \mathcal{Q} 11'45	
evening max el	6492 Nov 13 17:53	22° \mathcal{M} 02'11	27°01'12		6493 Oct 01 20:08	0° \mathcal{M}	
retrograde	6492 Nov 27 00:17	29° \mathcal{M} 20'54		desc. node	6493 Oct 09 06:17	12° \mathcal{M} 21'40	
evening set	6492 Dec 03 17:48	26° \mathcal{M} 42'30			6493 Oct 22 04:25	0° \mathcal{M}	
min. Earth dist.	6492 Dec 07 16:35	22° \mathcal{M} 51'26	0.65454 AU	evening max el	6493 Oct 27 05:46	5° \mathcal{M} 20'22	27°26'16
inferior conj	6492 Dec 09 17:55	20° \mathcal{M} 31'12	-1°21'01	retrograde	6493 Nov 09 20:52	12° \mathcal{M} 38'45	
minimum elong	6492 Dec 09 20:16	20° \mathcal{M} 24'30	1°19'58	evening set	6493 Nov 16 22:11	10° \mathcal{M} 03'11	
asc. node	6492 Dec 13 17:56	16° \mathcal{M} 25'20		min. Earth dist.	6493 Nov 20 15:56	6° \mathcal{M} 44'48	0.63874 AU
morning rise	6492 Dec 15 23:51	14° \mathcal{M} 55'37		inferior conj	6493 Nov 23 04:53	4° \mathcal{M} 07'46	-2°26'27
direct	6492 Dec 18 17:16	14° \mathcal{M} 15'25		minimum elong	6493 Nov 23 09:18	3° \mathcal{M} 56'22	2°24'43
morning max el	6492 Dec 25 04:33	17° \mathcal{M} 42'40	18°08'10		6493 Nov 27 17:48	30° \mathcal{R} \mathcal{M}	
	6493 Jan 03 07:42	0° \mathcal{B}		morning rise	6493 Nov 29 22:02	28° \mathcal{M} 47'12	
morning set	6493 Jan 12 15:28	15° \mathcal{B} 04'58		asc. node	6493 Nov 30 14:57	28° \mathcal{M} 32'38	
desc. node	6493 Jan 18 08:30	24° \mathcal{B} 22'11		direct	6493 Dec 02 08:52	28° \mathcal{M} 17'25	
	6493 Jan 21 20:33	0° \approx			6493 Dec 06 22:27	0° \mathcal{M}	
superior conj	6493 Jan 27 09:44	8° \approx 48'55	-1°00'56	morning max el	6493 Dec 08 21:35	1° \mathcal{M} 41'47	17°50'44
minimum elong	6493 Jan 27 02:27	8° \approx 20'10	0°59'58	morning set	6493 Dec 25 13:56	27° \mathcal{M} 07'41	
max. Earth dist.	6493 Jan 30 03:50	13° \approx 09'00	1.45314 AU		6493 Dec 27 06:13	0° \mathcal{B}	
	6493 Feb 09 23:08	0° \mathcal{H}		desc. node	6494 Jan 05 05:30	15° \mathcal{B} 04'31	
evening rise	6493 Feb 12 15:14	4° \mathcal{H} 08'51		superior conj	6494 Jan 07 08:01	18° \mathcal{B} 31'21	-0°14'56
greatest brilliancy	6493 Feb 25 06:45	23° \mathcal{H} 35'54	-0.7m	minimum elong	6494 Jan 07 06:20	18° \mathcal{B} 24'32	0°14'39
	6493 Mar 01 15:27	0° \mathcal{Y}		behind sun begin	6494 Jan 07 02:12	18° \mathcal{B} 07'38	
evening max el	6493 Mar 09 04:40	9° \mathcal{Y} 31'05	19°30'47	behind sun end	6494 Jan 07 10:29	18° \mathcal{B} 41'26	
asc. node	6493 Mar 11 17:07	11° \mathcal{Y} 46'07		max. Earth dist.	6494 Jan 12 22:14	27° \mathcal{B} 31'13	1.44580 AU
retrograde	6493 Mar 16 10:17	13° \mathcal{Y} 39'46			6494 Jan 14 11:47	0° \approx	
evening set	6493 Mar 20 00:07	12° \mathcal{Y} 24'53		evening rise	6494 Jan 23 02:42	13° \approx 25'04	
inferior conj	6493 Mar 25 10:37	6° \mathcal{Y} 30'18	3°20'22		6494 Feb 03 01:45	0° \mathcal{H}	
minimum elong	6493 Mar 25 09:16	6° \mathcal{Y} 34'42	3°20'13	evening max el	6494 Feb 20 06:52	23° \mathcal{H} 07'04	20°31'06
min. Earth dist.	6493 Mar 26 15:58	4° \mathcal{Y} 53'48	0.66774 AU	asc. node	6494 Feb 26 14:10	27° \mathcal{H} 34'35	
morning rise	6493 Mar 30 18:07	0° \mathcal{Y} 14'06		retrograde	6494 Feb 28 08:36	27° \mathcal{H} 51'01	
	6493 Mar 31 00:29	30° \mathcal{R} \mathcal{H}		evening set	6494 Mar 04 07:19	26° \mathcal{H} 21'26	
direct	6493 Apr 05 21:25	27° \mathcal{H} 30'12		inferior conj	6494 Mar 09 15:30	20° \mathcal{H} 13'54	3°00'26
	6493 Apr 12 13:50	0° \mathcal{Y}		minimum elong	6494 Mar 09 13:26	20° \mathcal{H} 20'58	3°00'01
desc. node	6493 Apr 16 07:54	3° \mathcal{Y} 01'49		min. Earth dist.	6494 Mar 10 07:02	19° \mathcal{H} 20'45	0.67681 AU
morning max el	6493 Apr 18 06:16	4° \mathcal{Y} 53'59	25°44'49	morning rise	6494 Mar 14 19:19	13° \mathcal{H} 59'09	
	6493 May 07 12:22	0° \mathcal{B}		direct	6494 Mar 20 09:35	11° \mathcal{H} 29'28	

morning max el	6494 Mar 31 14:56	18° X 12'19	24°19'41	morning rise	6495 Feb 27 02:06	27° \approx 53'51	
desc. node	6494 Apr 03 04:53	20° X 57'53		direct	6495 Mar 04 02:05	25° \approx 44'28	
	6494 Apr 10 12:35	0° Y			6495 Mar 12 08:01	0° X	
	6494 Apr 30 14:11	0° B		morning max el	6495 Mar 14 00:39	1° X 37'11	22°50'05
morning set	6494 May 06 10:10	9° B 52'39		desc. node	6495 Mar 21 01:53	9° X 46'43	
max. Earth dist.	6494 May 10 01:52	16° B 21'05	1.37809 AU		6495 Apr 04 11:44	0° Y	
				morning set	6495 Apr 17 08:54	20° Y 17'53	
superior conj	6494 May 17 02:12	29° B 25'14	-1°17'46	max. Earth dist.	6495 Apr 21 21:52	27° Y 56'29	1.40035 AU
minimum elong	6494 May 17 06:41	29° B 46'44	1°17'06		6495 Apr 23 02:33	0° B	
	6494 May 17 09:26	0° II					
evening rise	6494 May 25 20:21	16° II 38'29		superior conj	6495 Apr 29 16:12	11° B 40'39	-1°44'46
asc. node	6494 May 25 13:20	16° II 03'46		minimum elong	6495 Apr 29 21:34	12° B 05'08	1°44'13
	6494 Jun 01 20:41	0° E		evening rise	6495 May 09 11:44	0° II 05'58	
evening max el	6494 Jun 11 10:42	13° E 36'58	19°07'44		6495 May 09 10:29	0° II	
retrograde	6494 Jun 20 08:06	17° E 59'02		asc. node	6495 May 12 10:23	5° II 40'06	
evening set	6494 Jun 22 07:11	17° E 47'10		evening max el	6495 May 25 14:35	26° II 00'01	18°28'07
desc. node	6494 Jun 30 04:09	13° E 55'42		retrograde	6495 Jun 02 04:43	29° II 46'11	
inferior conj	6494 Jun 30 16:13	13° E 35'16	-0°09'03	evening set	6495 Jun 04 10:18	29° II 27'35	
minimum elong	6494 Jun 30 15:50	13° E 35'55	0°08'57	inferior conj	6495 Jun 11 23:16	24° II 55'54	1°26'30
transit middle	6494 Jun 30 15:50	13° E 35'55	0°08'57	minimum elong	6495 Jun 12 02:03	24° II 50'20	1°25'32
transit begin	6494 Jun 30 12:41	13° E 41'17		min. Earth dist.	6495 Jun 15 08:43	22° II 14'50	0.58145 AU
transit end	6494 Jun 30 19:00	13° E 30'33		desc. node	6495 Jun 17 01:10	21° II 02'12	
min. Earth dist.	6494 Jul 03 13:51	11° E 37'33	0.56277 AU	morning rise	6495 Jun 19 14:33	19° II 31'03	
morning rise	6494 Jul 08 21:22	8° E 45'09		direct	6495 Jun 25 13:37	17° II 59'27	
direct	6494 Jul 14 00:11	7° E 44'11		morning max el	6495 Jul 09 22:56	25° II 40'04	26°58'15
morning max el	6494 Jul 28 05:06	15° E 00'39	25°38'52		6495 Jul 13 23:59	0° E	
	6494 Aug 09 04:56	0° O			6495 Aug 02 11:54	0° O	
asc. node	6494 Aug 21 12:38	21° O 57'40		asc. node	6495 Aug 08 09:39	11° O 47'58	
morning set	6494 Aug 24 14:10	28° O 19'53		morning set	6495 Aug 08 23:43	13° O 01'50	
	6494 Aug 25 08:55	0° P					
				superior conj	6495 Aug 15 23:44	28° O 16'49	1°11'23
superior conj	6494 Aug 31 11:56	13° P 23'58	1°26'53	minimum elong	6495 Aug 15 21:27	28° O 04'13	1°11'01
minimum elong	6494 Aug 31 09:52	13° P 12'34	1°26'39	max. Earth dist.	6495 Aug 15 23:36	28° O 16'06	1.31842 AU
max. Earth dist.	6494 Sep 01 13:05	15° P 42'15	1.32241 AU		6495 Aug 16 18:21	0° P	
evening rise	6494 Sep 07 12:56	28° P 33'35		evening rise	6495 Aug 22 19:34	13° P 10'25	
	6494 Sep 08 05:40	0° Q			6495 Aug 31 07:36	0° Q	
	6494 Sep 25 00:58	0° M		desc. node	6495 Sep 13 00:21	20° Q 08'14	
desc. node	6494 Sep 26 03:19	1° M 38'05		evening max el	6495 Sep 21 17:25	0° M 09'17	26°41'42
evening max el	6494 Oct 09 14:35	18° M 06'52	27°20'48		6495 Sep 21 13:31	0° M	
retrograde	6494 Oct 23 10:10	25° M 20'09		retrograde	6495 Oct 05 15:13	7° M 17'26	
evening set	6494 Oct 30 13:24	22° M 57'47		evening set	6495 Oct 12 11:11	5° M 19'33	
min. Earth dist.	6494 Nov 03 05:01	20° M 06'19	0.62011 AU	min. Earth dist.	6495 Oct 16 07:15	2° M 43'40	0.59964 AU
inferior conj	6494 Nov 06 04:12	17° M 23'21	-3°32'07	inferior conj	6495 Oct 19 12:27	0° M 09'12	-4°31'43
minimum elong	6494 Nov 06 10:23	17° M 09'08	3°30'05	minimum elong	6495 Oct 19 19:05	29° Q 55'51	4°30'09
morning rise	6494 Nov 13 09:19	12° M 21'07			6495 Oct 19 17:01	30° R Q	
direct	6494 Nov 15 16:27	11° M 58'06		morning rise	6495 Oct 27 05:09	25° Q 28'41	
asc. node	6494 Nov 17 11:58	12° M 12'55		direct	6495 Oct 29 12:01	25° Q 09'20	
morning max el	6494 Nov 22 13:43	15° M 27'50	17°51'17	asc. node	6495 Nov 04 08:59	27° Q 24'19	
	6494 Dec 02 16:07	0° J		morning max el	6495 Nov 06 01:43	28° Q 52'48	18°11'03
morning set	6494 Dec 08 09:34	10° J 10'45			6495 Nov 07 03:43	0° M	
				morning set	6495 Nov 21 20:18	23° M 56'19	
superior conj	6494 Dec 19 07:57	29° J 28'17	0°27'00		6495 Nov 25 01:32	0° J	
minimum elong	6494 Dec 19 10:20	29° J 38'29	0°26'42				
	6494 Dec 19 15:23	0° Z		superior conj	6495 Dec 01 08:39	11° J 36'51	0°59'58
desc. node	6494 Dec 23 02:31	5° Z 50'29		minimum elong	6495 Dec 01 12:21	11° J 53'31	0°59'31
max. Earth dist.	6494 Dec 26 13:37	11° Z 32'46	1.43206 AU	max. Earth dist.	6495 Dec 09 00:11	24° J 58'28	1.41352 AU
evening rise	6495 Jan 02 16:58	22° Z 55'38		desc. node	6495 Dec 09 23:33	26° J 36'50	
	6495 Jan 07 07:00	0° \approx			6495 Dec 12 00:26	0° Z	
	6495 Jan 28 07:45	0° X		evening rise	6495 Dec 13 23:25	3° Z 12'02	
evening max el	6495 Feb 03 03:41	6° X 44'27	21°42'52		6495 Dec 31 15:16	0° \approx	
retrograde	6495 Feb 12 06:10	12° X 08'18		evening max el	6496 Jan 16 19:58	20° \approx 24'01	23°01'29
asc. node	6495 Feb 13 11:12	12° X 00'37		retrograde	6496 Jan 27 01:28	26° \approx 27'53	
evening set	6495 Feb 16 15:11	10° X 23'24		asc. node	6496 Jan 31 08:14	24° \approx 55'03	
inferior conj	6495 Feb 21 23:04	4° X 05'36	2°30'46	evening set	6496 Jan 31 22:11	24° \approx 27'32	
minimum elong	6495 Feb 21 20:44	4° X 13'44	2°30'08	inferior conj	6496 Feb 06 07:25	18° \approx 02'49	1°52'38
min. Earth dist.	6495 Feb 22 01:59	3° X 55'29	0.68162 AU	minimum elong	6496 Feb 06 05:16	18° \approx 10'16	1°51'55
	6495 Feb 25 01:27	30° R \approx		min. Earth dist.	6496 Feb 05 22:39	18° \approx 33'04	0.68234 AU

morning rise	6496 Feb 11 12:15	11°  55'26		6497 Jan 22 03:55	30° 		
direct	6496 Feb 15 21:55	10°  08'47		morning rise	6497 Jan 25 23:46	26°  01'13	
morning max el	6496 Feb 24 15:06	15°  11'59	21°24'53	direct	6497 Jan 29 20:01	24°  36'51	
desc. node	6496 Mar 06 22:54	29°  13'43		morning max el	6497 Feb 06 12:54	28°  58'43	20°10'21
	6496 Mar 07 12:11	0° 			6497 Feb 07 12:39	0° 	
morning set	6496 Mar 27 03:33	29°  25'17		desc. node	6497 Feb 21 19:54	19°  08'19	
	6496 Mar 27 12:19	0° 			6497 Mar 01 01:36	0° 	
max. Earth dist.	6496 Apr 02 23:14	10°  25'24	1.42141 AU	morning set	6497 Mar 06 02:16	7°  42'23	
				max. Earth dist.	6497 Mar 16 07:43	23°  46'12	1.43857 AU
superior conj	6496 Apr 10 09:45	22°  58'08	-2°04'08		6497 Mar 20 04:21	0° 	
minimum elong	6496 Apr 10 13:46	23°  15'27	2°03'57				
	6496 Apr 14 10:10	0° 		superior conj	6497 Mar 22 02:47	3°  09'50	-2°10'13
evening rise	6496 Apr 21 14:09	12°  54'18		minimum elong	6497 Mar 22 01:54	3°  06'12	2°10'13
asc. node	6496 Apr 28 07:25	24°  56'37		evening rise	6497 Apr 03 23:05	24°  53'41	
	6496 May 01 08:10	0° 			6497 Apr 06 21:52	0° 	
evening max el	6496 May 08 00:41	8°  52'28	18°08'30	asc. node	6497 Apr 15 04:30	13°  46'51	
retrograde	6496 May 14 19:24	12°  18'55		evening max el	6497 Apr 21 13:35	22°  05'57	18°08'15
evening set	6496 May 17 08:05	11°  50'36		retrograde	6497 Apr 27 23:49	25°  27'38	
inferior conj	6496 May 24 03:16	6°  58'23	2°32'14	evening set	6497 Apr 30 19:19	24°  47'36	
minimum elong	6496 May 24 06:29	6°  50'55	2°31'25	inferior conj	6497 May 07 00:39	19°  36'06	3°10'33
min. Earth dist.	6496 May 27 10:28	3°  55'55	0.60337 AU	minimum elong	6497 May 07 02:47	19°  30'28	3°10'12
morning rise	6496 May 31 02:20	1°  07'37		min. Earth dist.	6497 May 09 20:56	16°  36'34	0.62531 AU
	6496 Jun 02 05:16	30°  08'38		morning rise	6497 May 13 08:40	13°  30'04	
desc. node	6496 Jun 02 22:13	29°  43'11		direct	6497 May 20 04:02	10°  58'38	
direct	6496 Jun 06 15:34	29°  03'02		desc. node	6497 May 20 19:15	10°  59'52	
	6496 Jun 11 06:27	0° 		morning max el	6497 Jun 03 05:52	19°  00'40	27°52'42
morning max el	6496 Jun 20 23:32	6°  58'47	27°44'31		6497 Jun 12 12:55	0° 	
	6496 Jul 08 08:28	0° 			6497 Jul 01 05:54	0° 	
morning set	6496 Jul 23 05:37	27°  30'10		morning set	6497 Jul 07 05:49	11°  39'04	
	6496 Jul 24 10:16	0° 		asc. node	6497 Jul 12 03:44	21°  53'44	
asc. node	6496 Jul 25 06:41	1°  04'48		max. Earth dist.	6497 Jul 12 16:35	23°  02'34	1.32364 AU
max. Earth dist.	6496 Jul 29 10:04	10°  46'47	1.31877 AU				
				superior conj	6497 Jul 14 20:01	27°  40'43	0°27'23
superior conj	6496 Jul 30 11:00	13°  04'05	0°51'23	minimum elong	6497 Jul 14 18:46	27°  33'57	0°27'04
minimum elong	6496 Jul 30 09:00	12°  05'31	0°50'58		6497 Jul 15 21:34	0° 	
evening rise	6496 Aug 06 05:41	27°  05'41		evening rise	6497 Jul 21 17:22	12°  39'14	
	6496 Aug 07 05:23	0° 			6497 Jul 30 10:42	0° 	
	6496 Aug 24 00:35	0° 		evening max el	6497 Aug 15 01:00	21°  50'31	23°58'57
desc. node	6496 Aug 29 21:25	7°  32'26		desc. node	6497 Aug 16 18:27	23°  17'58	
evening max el	6496 Sep 02 12:16	11°  20'22	25°31'11	retrograde	6497 Aug 28 18:27	28°  14'08	
retrograde	6496 Sep 16 10:39	18°  24'17		evening set	6497 Sep 02 09:24	27°  15'59	
evening set	6496 Sep 22 10:33	17°  00'41		min. Earth dist.	6497 Sep 08 11:33	24°  15'24	0.56155 AU
min. Earth dist.	6496 Sep 27 00:10	14°  22'54	0.57914 AU	inferior conj	6497 Sep 10 19:29	23°  32'49	-5°23'39
inferior conj	6496 Sep 30 02:08	12°  14'24	-5°14'21	minimum elong	6497 Sep 10 17:33	23°  35'49	5°23'35
minimum elong	6496 Sep 30 06:17	12°  07'09	5°13'53	morning rise	6497 Sep 19 04:02	19°  35'19	
morning rise	6496 Oct 08 04:21	7°  57'14		direct	6497 Sep 21 22:07	19°  15'51	
direct	6496 Oct 10 14:51	7°  38'59		morning max el	6497 Oct 01 23:26	23°  18'00	19°54'23
morning max el	6496 Oct 19 06:03	11°  46'09	18°51'41		6497 Oct 07 03:33	0° 	
asc. node	6496 Oct 21 06:02	13°  53'02		asc. node	6497 Oct 08 03:04	1°  23'47	
	6496 Oct 31 11:42	0° 		morning set	6497 Oct 19 21:34	22°  43'07	
morning set	6496 Nov 04 17:26	8°  10'16			6497 Oct 23 11:17	0° 	
				superior conj	6497 Oct 27 16:06	8°  29'23	1°36'41
superior conj	6496 Nov 13 05:04	24°  42'09	1°22'58	minimum elong	6497 Oct 27 17:57	8°  38'40	1°36'36
minimum elong	6496 Nov 13 08:15	24°  57'16	1°22'40	max. Earth dist.	6497 Nov 02 11:30	19°  45'23	1.37135 AU
	6496 Nov 16 00:47	0° 		evening rise	6497 Nov 06 06:08	26°  14'09	
max. Earth dist.	6496 Nov 20 06:09	7°  39'45	1.39241 AU		6497 Nov 08 02:38	0° 	
evening rise	6496 Nov 24 03:58	14°  27'54		desc. node	6497 Nov 12 17:36	7°  54'42	
desc. node	6496 Nov 25 20:34	17°  19'33			6497 Nov 27 04:39	0° 	
	6496 Dec 03 17:12	0° 		evening max el	6497 Dec 11 22:17	17°  52'05	25°34'58
	6496 Dec 25 13:18	0° 		retrograde	6497 Dec 24 04:41	24°  54'37	
evening max el	6496 Dec 29 09:30	4°  06'44	24°21'09	evening set	6497 Dec 30 03:14	22°  32'19	
retrograde	6497 Jan 09 17:21	10°  45'06		min. Earth dist.	6498 Jan 03 12:04	17°  41'04	0.67240 AU
evening set	6497 Jan 15 02:46	8°  30'12		asc. node	6498 Jan 04 02:21	16°  55'33	
asc. node	6497 Jan 17 05:18	6°  23'20		inferior conj	6498 Jan 04 19:05	16°  30'15	0°14'05
min. Earth dist.	6497 Jan 19 18:47	3°  09'34	0.67918 AU	minimum elong	6498 Jan 04 18:43	16°  30'03	0°13'59
inferior conj	6497 Jan 20 14:42	2°  02'40	1°06'50	transit middle	6498 Jan 04 18:43	16°  30'03	0°13'59
minimum elong	6497 Jan 20 13:12	2°  07'42	1°06'18				

transit begin	6498 Jan 04 17:19	16°30'32"		evening max el	6498 Nov 24 11:24	1°35'29"	26°35'28"
transit end	6498 Jan 04 20:08	15°35'33"		retrograde	6498 Dec 07 10:38	8°35'03"	
morning rise	6498 Jan 10 10:37	10°30'17"		evening set	6498 Dec 13 21:44	6°31'44"	
direct	6498 Jan 13 18:59	9°30'34"		min. Earth dist.	6498 Dec 18 00:07	2°30'31"	0.66206 AU
morning max el	6498 Jan 20 18:31	12°35'35"	19°10'06"	inferior conj	6498 Dec 19 18:34	29°25'50"	-0°44'45"
	6498 Feb 02 13:35	0°00'		minimum elong	6498 Dec 19 19:49	29°25'07"	0°44'11"
greatest brilliancy	6498 Feb 03 08:10	1°00'11"	-0.7m		6498 Dec 19 17:31	30°00'00"	
desc. node	6498 Feb 08 16:54	9°00'23"		asc. node	6498 Dec 21 23:22	27°24'55"	
morning set	6498 Feb 13 03:42	16°00'15"		morning rise	6498 Dec 25 18:41	24°24'13"	
	6498 Feb 21 23:32	0°00'		direct	6498 Dec 28 17:03	23°25'34"	
max. Earth dist.	6498 Feb 26 22:21	7°00'45"	1.44991 AU	morning max el	6499 Jan 04 06:36	26°25'58"	18°25'59"
					6499 Jan 06 23:18	0°00'	
superior conj	6498 Mar 01 19:50	12°00'20"	-1°57'38"	morning set	6499 Jan 24 05:24	26°30'19"	
minimum elong	6498 Mar 01 12:25	11°00'50"	1°57'09"	desc. node	6499 Jan 26 13:54	29°35'12"	
	6498 Mar 12 19:30	0°00'			6499 Jan 26 16:02	0°00'	
evening rise	6498 Mar 16 10:11	5°00'55"					
	6498 Mar 31 13:21	0°00'		superior conj	6499 Feb 08 23:54	21°00'02"	-1°25'36"
asc. node	6498 Apr 02 01:34	2°00'01"		minimum elong	6499 Feb 08 14:34	20°00'25"	1°24'35"
evening max el	6498 Apr 05 02:13	5°00'31"	18°26'38"	max. Earth dist.	6499 Feb 09 17:14	22°00'09"	1.45419 AU
retrograde	6498 Apr 11 13:28	9°00'02"			6499 Feb 14 17:17	0°00'	
evening set	6498 Apr 14 15:43	8°00'09"		evening rise	6499 Feb 24 21:59	16°00'01"	
inferior conj	6498 Apr 20 11:08	2°00'39"	3°27'02"		6499 Mar 05 18:55	0°00'	
minimum elong	6498 Apr 20 11:46	2°00'37"	3°26'59"	greatest brilliancy	6499 Mar 06 19:22	1°00'35"	-0.8m
min. Earth dist.	6498 Apr 22 16:34	0°00'03"	0.64489 AU	evening max el	6499 Mar 19 12:06	19°00'03"	19°02'37"
	6498 Apr 22 17:43	30°00'00"		asc. node	6499 Mar 19 22:36	19°00'30"	
morning rise	6498 Apr 26 06:59	26°00'26"		retrograde	6499 Mar 26 08:42	22°00'55"	
direct	6498 May 03 00:40	23°00'39"		evening set	6499 Mar 29 18:09	21°00'48"	
desc. node	6498 May 07 16:16	24°00'47"		inferior conj	6499 Apr 04 07:04	16°00'02"	3°26'42"
	6498 May 14 23:11	0°00'		minimum elong	6499 Apr 04 06:21	16°00'04"	3°26'37"
morning max el	6498 May 16 15:16	1°00'37"	27°24'54"	min. Earth dist.	6499 Apr 05 20:56	14°00'02"	0.66071 AU
	6498 Jun 06 17:08	0°00'		morning rise	6499 Apr 09 18:09	9°00'46"	
morning set	6498 Jun 20 21:39	25°00'20"		direct	6499 Apr 16 03:57	6°00'58"	
	6498 Jun 23 05:56	0°00'		desc. node	6499 Apr 24 13:16	10°00'34"	
max. Earth dist.	6498 Jun 25 15:14	4°00'52"	1.33316 AU	morning max el	6499 Apr 29 01:22	14°00'38"	26°27'35"
					6499 May 11 14:14	0°00'	
superior conj	6498 Jun 29 00:46	12°00'00"	-0°00'00"		6499 May 30 11:33	0°00'	
minimum elong	6498 Jun 29 00:46	12°00'00"	0°00'03"	morning set	6499 Jun 04 01:45	8°00'24"	
behind sun begin	6498 Jun 28 19:26	11°00'32"		max. Earth dist.	6499 Jun 08 03:26	16°00'14"	1.34742 AU
behind sun end	6498 Jun 29 06:05	12°00'28"					
asc. node	6498 Jun 29 00:46	12°00'00"		superior conj	6499 Jun 12 22:55	25°00'56"	-0°29'48"
evening rise	6498 Jul 06 04:41	27°00'19"		minimum elong	6499 Jun 13 00:34	26°00'04"	0°29'30"
	6498 Jul 07 11:17	0°00'			6499 Jun 14 21:59	0°00'	
	6498 Jul 25 13:25	0°00'		asc. node	6499 Jun 15 21:48	2°00'04"	
evening max el	6498 Jul 27 14:27	2°00'08"	22°20'44"	evening rise	6499 Jun 20 13:41	11°00'48"	
desc. node	6498 Aug 03 15:29	7°00'13"			6499 Jun 30 01:15	0°00'	
retrograde	6498 Aug 09 13:36	8°00'35"		evening max el	6499 Jul 09 12:40	12°00'47"	20°51'24"
evening set	6498 Aug 12 16:31	8°00'13"		retrograde	6499 Jul 21 01:48	18°00'28"	
min. Earth dist.	6498 Aug 20 20:58	4°00'40"	0.55021 AU	desc. node	6499 Jul 21 12:31	18°00'28"	
inferior conj	6498 Aug 21 19:29	4°00'08"	-4°43'14"	evening set	6499 Jul 23 05:17	18°00'17"	
minimum elong	6498 Aug 21 11:21	4°00'19"	4°41'37"	inferior conj	6499 Aug 01 12:14	14°00'20"	-3°12'01"
morning rise	6498 Aug 30 07:55	0°00'19"		minimum elong	6499 Aug 01 03:49	14°00'32"	3°09'17"
	6498 Sep 01 05:03	30°00'00"		min. Earth dist.	6499 Aug 02 06:54	13°00'54"	0.54771 AU
direct	6498 Sep 02 13:01	29°00'55"		morning rise	6499 Aug 10 02:23	10°00'21"	
	6498 Sep 03 20:38	0°00'		direct	6499 Aug 13 21:45	9°00'50"	
morning max el	6498 Sep 14 04:11	5°00'22"	21°18'25"	morning max el	6499 Aug 26 22:18	16°00'04"	22°58'32"
asc. node	6498 Sep 25 00:05	19°00'42"			6499 Sep 06 21:14	0°00'	
	6498 Sep 30 14:01	0°00'		asc. node	6499 Sep 11 21:05	8°00'38"	
morning set	6498 Oct 04 06:12	7°00'28"		morning set	6499 Sep 18 17:14	22°00'18"	
					6499 Sep 22 07:33	0°00'	
superior conj	6498 Oct 11 13:29	22°00'46"	1°42'18"				
minimum elong	6498 Oct 11 13:53	22°00'48"	1°42'19"	superior conj	6499 Sep 25 17:53	7°00'22"	1°40'57"
	6498 Oct 15 02:19	0°00'		minimum elong	6499 Sep 25 17:02	7°00'18"	1°40'57"
max. Earth dist.	6498 Oct 15 22:00	1°00'38"	1.35256 AU	max. Earth dist.	6499 Sep 28 16:52	13°00'38"	1.33745 AU
evening rise	6498 Oct 20 02:21	9°00'45"		evening rise	6499 Oct 03 12:25	23°00'26"	
desc. node	6498 Oct 30 14:38	28°00'17"			6499 Oct 06 21:58	0°00'	
	6498 Oct 31 15:50	0°00'		desc. node	6499 Oct 17 11:40	18°00'21"	
	6498 Nov 22 21:06	0°00'			6499 Oct 25 07:05	0°00'	

evening max el	6499 Nov 07 00:10	15° ♄ 06'02	27°15'19	evening max el	6500 Oct 20 10:52	28° ♄ 11'22	27°27'50
retrograde	6499 Nov 20 10:31	22° ♄ 24'32			6500 Oct 22 11:16	0° ♄	
evening set	6499 Nov 27 08:01	19° ♄ 46'19		retrograde	6500 Nov 03 03:58	5° ♄ 27'54	
min. Earth dist.	6499 Dec 01 04:33	16° ♄ 09'39	0.64823 AU	evening set	6500 Nov 10 07:15	2° ♄ 56'14	
inferior conj	6499 Dec 03 10:50	13° ♄ 41'27	-1°48'26		6500 Nov 13 19:30	30° ♄	
minimum elong	6499 Dec 03 14:03	13° ♄ 32'38	1°47'05	min. Earth dist.	6500 Nov 13 23:28	29° ♄ 50'38	0.63116 AU
asc. node	6499 Dec 08 20:23	8° ♄ 44'58		inferior conj	6500 Nov 16 17:11	27° ♄ 09'23	-2°54'35
morning rise	6499 Dec 09 21:21	8° ♄ 11'46		minimum elong	6500 Nov 16 22:27	26° ♄ 56'28	2°52'38
direct	6499 Dec 12 11:47	7° ♄ 36'18		morning rise	6500 Nov 23 15:25	21° ♄ 56'30	
morning max el	6499 Dec 18 22:39	11° ♄ 00'58	17°58'41	asc. node	6500 Nov 25 17:24	21° ♄ 30'24	
	6500 Jan 01 01:50	0° ♄		direct	6500 Nov 26 00:22	21° ♄ 30'00	
morning set	6500 Jan 05 12:40	7° ♄ 24'42		morning max el	6500 Dec 02 15:43	24° ♄ 55'18	17°48'46
desc. node	6500 Jan 13 10:54	20° ♄ 29'47			6500 Dec 06 20:08	0° ♄	
				morning set	6500 Dec 18 20:51	19° ♄ 54'45	
superior conj	6500 Jan 19 10:32	0° ♄ 08'42	-0°41'27		6500 Dec 24 16:11	0° ♄	
minimum elong	6500 Jan 19 05:34	29° ♄ 48'54	0°40'43				
	6500 Jan 19 08:21	0° ♄		superior conj	6500 Dec 30 19:19	10° ♄ 21'37	0°03'47
max. Earth dist.	6500 Jan 23 13:05	6° ♄ 39'19	1.45093 AU	minimum elong	6500 Dec 30 19:42	10° ♄ 23'15	0°03'46
evening rise	6500 Feb 04 15:03	25° ♄ 27'08		behind sun begin	6500 Dec 30 10:35	9° ♄ 45'20	
	6500 Feb 07 14:04	0° ♄		behind sun end	6500 Dec 31 04:50	11° ♄ 01'06	
greatest brilliancy	6500 Feb 18 21:03	17° ♄ 04'18	-0.6m	desc. node	6500 Dec 31 07:54	11° ♄ 13'50	
	6500 Feb 28 08:08	0° ♄		max. Earth dist.	6501 Jan 06 06:26	20° ♄ 54'15	1.44062 AU
evening max el	6500 Mar 02 17:22	2° ♄ 38'50	19°54'44		6501 Jan 12 00:28	0° ♄	
asc. node	6500 Mar 06 19:37	5° ♄ 59'16		evening rise	6501 Jan 15 01:40	4° ♄ 43'56	
retrograde	6500 Mar 10 06:40	7° ♄ 01'27			6501 Feb 01 00:23	0° ♄	
evening set	6500 Mar 14 00:13	5° ♄ 40'10		evening max el	6501 Feb 13 17:06	16° ♄ 14'32	21°00'26
inferior conj	6500 Mar 19 09:26	29° ♄ 39'36	3°13'11	asc. node	6501 Feb 21 16:39	21° ♄ 14'14	
minimum elong	6500 Mar 19 07:44	29° ♄ 45'18	3°12'55	retrograde	6501 Feb 22 05:01	21° ♄ 15'38	
	6500 Mar 19 03:21	30° ♄		evening set	6501 Feb 26 07:55	19° ♄ 39'29	
min. Earth dist.	6500 Mar 20 08:39	28° ♄ 21'45	0.67217 AU	inferior conj	6501 Mar 03 15:44	13° ♄ 26'56	2°48'57
morning rise	6500 Mar 24 15:02	23° ♄ 23'58		minimum elong	6501 Mar 03 13:29	13° ♄ 34'40	2°48'27
direct	6500 Mar 30 12:59	20° ♄ 45'28		min. Earth dist.	6501 Mar 04 01:42	12° ♄ 52'29	0.67931 AU
desc. node	6500 Apr 11 10:16	27° ♄ 51'42		morning rise	6501 Mar 08 18:52	7° ♄ 13'10	
morning max el	6500 Apr 11 10:44	27° ♄ 52'52	25°09'49	direct	6501 Mar 14 02:59	4° ♄ 51'49	
	6500 Apr 13 10:53	0° ♄		morning max el	6501 Mar 24 19:41	11° ♄ 14'27	23°41'36
	6500 May 05 07:08	0° ♄		desc. node	6501 Mar 29 07:16	16° ♄ 12'15	
morning set	6500 May 17 13:39	20° ♄ 38'59			6501 Apr 08 18:20	0° ♄	
max. Earth dist.	6500 May 21 05:14	27° ♄ 19'09	1.36597 AU		6501 Apr 28 02:00	0° ♄	
	6500 May 22 15:32	0° ♄		morning set	6501 Apr 29 03:38	1° ♄ 48'34	
				max. Earth dist.	6501 May 03 00:59	8° ♄ 32'50	1.38748 AU
superior conj	6500 May 27 11:36	9° ♄ 21'03	-1°00'31				
minimum elong	6500 May 27 15:07	9° ♄ 38'23	0°59'56	superior conj	6501 May 10 11:08	22° ♄ 04'28	-1°29'50
asc. node	6500 Jun 02 18:49	22° ♄ 01'06		minimum elong	6501 May 10 16:09	22° ♄ 28'08	1°29'12
evening rise	6500 Jun 04 18:09	26° ♄ 00'38			6501 May 14 14:46	0° ♄	
	6500 Jun 06 17:56	0° ♄		evening rise	6501 May 19 15:16	9° ♄ 46'40	
evening max el	6500 Jun 21 23:38	24° ♄ 06'50	19°39'42	asc. node	6501 May 20 15:51	11° ♄ 46'11	
retrograde	6500 Jul 01 19:43	28° ♄ 56'42			6501 May 30 23:04	0° ♄	
evening set	6500 Jul 03 16:54	28° ♄ 46'50		evening max el	6501 Jun 04 22:18	6° ♄ 08'39	18°48'22
desc. node	6500 Jul 08 09:33	27° ♄ 07'27		retrograde	6501 Jun 13 05:18	10° ♄ 13'52	
inferior conj	6500 Jul 12 12:31	24° ♄ 43'19	-1°14'49	evening set	6501 Jun 15 06:39	9° ♄ 59'43	
minimum elong	6500 Jul 12 09:06	24° ♄ 48'41	1°13'33	inferior conj	6501 Jun 23 07:09	5° ♄ 39'52	0°34'55
min. Earth dist.	6500 Jul 14 19:24	23° ♄ 17'32	0.55477 AU	minimum elong	6501 Jun 23 08:29	5° ♄ 37'26	0°34'22
morning rise	6500 Jul 20 23:01	20° ♄ 14'15		desc. node	6501 Jun 25 06:35	4° ♄ 13'15	
direct	6500 Jul 25 13:06	19° ♄ 27'32		min. Earth dist.	6501 Jun 26 11:50	3° ♄ 21'16	0.57006 AU
morning max el	6500 Aug 08 11:42	26° ♄ 24'25	24°43'04	morning rise	6501 Jul 01 06:53	0° ♄ 33'50	
	6500 Aug 11 22:25	0° ♄			6501 Jul 02 18:24	30° ♄	
asc. node	6500 Aug 29 18:06	28° ♄ 00'40		direct	6501 Jul 06 18:34	29° ♄ 20'38	
	6500 Aug 30 18:00	0° ♄			6501 Jul 10 19:41	0° ♄	
morning set	6500 Sep 03 04:58	7° ♄ 10'02		morning max el	6501 Jul 21 02:42	6° ♄ 49'30	26°16'00
					6501 Aug 07 06:10	0° ♄	
superior conj	6500 Sep 10 02:49	22° ♄ 11'13	1°33'35	asc. node	6501 Aug 16 15:08	17° ♄ 42'17	
minimum elong	6500 Sep 10 01:04	22° ♄ 01'40	1°33'26	morning set	6501 Aug 18 15:47	21° ♄ 56'33	
max. Earth dist.	6500 Sep 11 19:48	25° ♄ 54'15	1.32662 AU		6501 Aug 22 09:14	0° ♄	
	6500 Sep 13 17:30	0° ♄					
evening rise	6500 Sep 17 08:47	7° ♄ 36'18		superior conj	6501 Aug 25 14:06	7° ♄ 04'03	1°20'54
	6500 Sep 29 09:16	0° ♄		minimum elong	6501 Aug 25 11:54	6° ♄ 51'48	1°20'35
desc. node	6500 Oct 04 08:42	7° ♄ 58'08		max. Earth dist.	6501 Aug 26 04:19	8° ♄ 22'31	1.32015 AU

evening rise	6501 Sep 01 12:23	22° \mathbb{M} 04'58	evening rise	6502 Aug 16 20:47	6° \mathbb{M} 45'30
	6501 Sep 05 09:38	0° \mathbb{A}		6502 Aug 28 23:15	0° \mathbb{A}
desc. node	6501 Sep 21 05:46	26° \mathbb{A} 56'36	desc. node	6502 Sep 08 02:49	15° \mathbb{A} 01'10
	6501 Sep 23 10:56	0° \mathbb{M}	evening max el	6502 Sep 14 16:55	22° \mathbb{A} 20'11 26°15'11
evening max el	6501 Oct 02 17:15	10° \mathbb{M} 39'20 27°08'14	retrograde	6502 Sep 28 15:38	29° \mathbb{A} 26'40
retrograde	6501 Oct 16 14:17	17° \mathbb{M} 51'15	evening set	6502 Oct 05 04:28	27° \mathbb{A} 42'48
evening set	6501 Oct 23 15:40	15° \mathbb{M} 37'40	min. Earth dist.	6502 Oct 09 06:09	25° \mathbb{A} 08'06 0.59072 AU
min. Earth dist.	6501 Oct 27 07:53	12° \mathbb{M} 54'41 0.61149 AU	inferior conj	6502 Oct 12 11:15	22° \mathbb{A} 42'38 -4°52'48
inferior conj	6501 Oct 30 10:30	10° \mathbb{M} 13'00 -3°58'44	minimum elong	6502 Oct 12 17:17	22° \mathbb{A} 31'12 4°51'40
minimum elong	6501 Oct 30 17:08	9° \mathbb{M} 58'34 3°56'47	morning rise	6502 Oct 20 08:19	18° \mathbb{A} 11'48
morning rise	6501 Nov 06 20:45	5° \mathbb{M} 19'56	direct	6502 Oct 22 16:05	17° \mathbb{A} 53'17
direct	6501 Nov 09 03:10	4° \mathbb{M} 58'57	asc. node	6502 Oct 30 11:29	21° \mathbb{A} 35'55
asc. node	6501 Nov 12 14:26	5° \mathbb{M} 50'09	morning max el	6502 Oct 30 15:44	21° \mathbb{A} 46'03 18°25'40
morning max el	6501 Nov 16 06:35	8° \mathbb{M} 33'37 17°57'17		6502 Nov 06 00:56	0° \mathbb{M}
	6501 Nov 30 04:29	0° \mathbb{A}	morning set	6502 Nov 15 15:13	17° \mathbb{M} 16'10
morning set	6501 Dec 01 23:34	3° \mathbb{A} 17'21		6502 Nov 22 07:14	0° \mathbb{A}
superior conj	6501 Dec 12 06:17	21° \mathbb{A} 50'25 0°42'12	superior conj	6502 Nov 24 16:00	4° \mathbb{A} 24'26 1°10'55
minimum elong	6501 Dec 12 09:32	22° \mathbb{A} 04'35 0°41'47	minimum elong	6502 Nov 24 19:38	4° \mathbb{A} 41'12 1°10'31
	6501 Dec 17 00:17	0° \mathbb{A}	max. Earth dist.	6502 Dec 02 03:30	17° \mathbb{A} 45'48 1.40468 AU
desc. node	6501 Dec 18 04:56	2° \mathbb{A} 00'19	desc. node	6502 Dec 05 01:58	22° \mathbb{A} 45'24
max. Earth dist.	6501 Dec 19 19:19	4° \mathbb{A} 39'48 1.42455 AU	evening rise	6502 Dec 06 13:07	25° \mathbb{A} 11'52
evening rise	6501 Dec 25 21:30	14° \mathbb{A} 30'41		6502 Dec 09 11:39	0° \mathbb{A}
	6502 Jan 04 23:41	0° \mathbb{A}		6502 Dec 29 18:38	0° \mathbb{A}
evening max el	6502 Jan 27 11:46	29° \mathbb{A} 52'33 22°15'52	evening max el	6503 Jan 10 02:45	13° \mathbb{A} 33'40 23°35'47
	6502 Jan 27 14:43	0° \mathbb{A}	retrograde	6503 Jan 20 19:48	19° \mathbb{A} 52'57
retrograde	6502 Feb 06 01:55	5° \mathbb{A} 34'21	evening set	6503 Jan 25 21:46	17° \mathbb{A} 46'31
asc. node	6502 Feb 08 13:41	5° \mathbb{A} 02'07	asc. node	6503 Jan 26 10:45	17° \mathbb{A} 17'39
evening set	6502 Feb 10 15:38	3° \mathbb{A} 43'02	inferior conj	6503 Jan 31 08:00	11° \mathbb{A} 20'14 1°34'07
	6502 Feb 14 01:26	30° \mathbb{A}	minimum elong	6503 Jan 31 06:04	11° \mathbb{A} 26'52 1°33'27
inferior conj	6502 Feb 15 23:53	27° \mathbb{A} 21'44 2°15'36	min. Earth dist.	6503 Jan 30 18:33	12° \mathbb{A} 06'15 0.68143 AU
minimum elong	6502 Feb 15 21:34	27° \mathbb{A} 29'48 2°14'55	morning rise	6503 Feb 05 14:19	5° \mathbb{A} 15'01
min. Earth dist.	6502 Feb 15 21:47	27° \mathbb{A} 29'02 0.68231 AU	direct	6503 Feb 09 18:13	3° \mathbb{A} 37'47
morning rise	6502 Feb 21 03:21	21° \mathbb{A} 11'24	morning max el	6503 Feb 18 00:08	8° \mathbb{A} 22'00 20°51'35
direct	6502 Feb 25 21:08	19° \mathbb{A} 11'28	desc. node	6503 Mar 03 01:16	24° \mathbb{A} 58'30
morning max el	6502 Mar 07 06:58	24° \mathbb{A} 43'12 22°12'54		6503 Mar 06 12:35	0° \mathbb{A}
	6502 Mar 12 00:09	0° \mathbb{A}	morning set	6503 Mar 19 22:34	20° \mathbb{A} 19'43
desc. node	6502 Mar 16 04:16	5° \mathbb{A} 18'58		6503 Mar 26 01:09	0° \mathbb{A}
	6502 Apr 02 05:11	0° \mathbb{A}	max. Earth dist.	6503 Mar 28 02:26	3° \mathbb{A} 19'07 1.42935 AU
morning set	6502 Apr 09 14:27	11° \mathbb{A} 40'43	superior conj	6503 Apr 04 00:35	14° \mathbb{A} 47'04 -2°08'42
max. Earth dist.	6502 Apr 14 22:14	20° \mathbb{A} 27'59 1.40957 AU	minimum elong	6503 Apr 04 02:58	14° \mathbb{A} 57'07 2°08'39
	6502 Apr 20 11:28	0° \mathbb{A}		6503 Apr 12 19:33	0° \mathbb{A}
superior conj	6502 Apr 22 17:06	3° \mathbb{A} 57'01 -1°54'13	evening rise	6503 Apr 15 21:11	5° \mathbb{A} 26'53
minimum elong	6502 Apr 22 22:16	4° \mathbb{A} 20'02 1°53'49	asc. node	6503 Apr 24 09:58	20° \mathbb{A} 20'56
evening rise	6502 May 03 01:42	22° \mathbb{A} 58'51		6503 May 01 01:07	0° \mathbb{A}
	6502 May 06 20:29	0° \mathbb{A}	evening max el	6503 May 02 17:08	1° \mathbb{A} 48'36 18°06'07
asc. node	6502 May 07 12:54	1° \mathbb{A} 14'56	retrograde	6503 May 09 06:46	5° \mathbb{A} 10'52
evening max el	6502 May 19 05:23	18° \mathbb{A} 46'00 18°17'23	evening set	6503 May 11 22:32	4° \mathbb{A} 37'37
retrograde	6502 May 26 09:47	22° \mathbb{A} 21'32	inferior conj	6503 May 18 11:19	29° \mathbb{A} 37'00 2°51'29
evening set	6502 May 28 18:26	21° \mathbb{A} 59'07	minimum elong	6503 May 18 14:11	29° \mathbb{A} 29'57 2°50'52
inferior conj	6502 Jun 04 23:28	17° \mathbb{A} 19'00 1°57'57		6503 May 18 01:56	30° \mathbb{A}
minimum elong	6502 Jun 05 02:42	17° \mathbb{A} 12'06 1°56'57	min. Earth dist.	6503 May 21 14:38	26° \mathbb{A} 33'09 0.61292 AU
min. Earth dist.	6502 Jun 08 09:34	14° \mathbb{A} 25'34 0.59064 AU	morning rise	6503 May 25 03:45	23° \mathbb{A} 38'55
morning rise	6502 Jun 12 07:54	11° \mathbb{A} 41'47	desc. node	6503 May 30 00:37	21° \mathbb{A} 31'53
desc. node	6502 Jun 12 03:36	11° \mathbb{A} 47'50	direct	6503 May 31 20:50	21° \mathbb{A} 21'45
direct	6502 Jun 18 14:07	9° \mathbb{A} 55'32	morning max el	6503 Jun 15 02:19	29° \mathbb{A} 20'28 27°52'38
morning max el	6502 Jul 02 23:16	17° \mathbb{A} 44'02 27°22'14		6503 Jun 15 17:58	0° \mathbb{A}
	6502 Jul 13 04:18	0° \mathbb{A}		6503 Jul 07 03:07	0° \mathbb{A}
	6502 Jul 30 19:19	0° \mathbb{A}	morning set	6503 Jul 18 03:47	20° \mathbb{A} 54'09
morning set	6502 Aug 03 00:00	6° \mathbb{A} 33'08	asc. node	6503 Jul 21 09:14	27° \mathbb{A} 40'18
asc. node	6502 Aug 03 12:11	7° \mathbb{A} 37'09		6503 Jul 22 11:16	0° \mathbb{A}
max. Earth dist.	6502 Aug 09 15:07	20° \mathbb{A} 55'24 1.31806 AU	max. Earth dist.	6503 Jul 24 00:28	3° \mathbb{A} 21'46 1.32032 AU
superior conj	6502 Aug 10 01:56	21° \mathbb{A} 55'14 1°03'26	superior conj	6503 Jul 25 12:31	6° \mathbb{A} 39'05 0°41'40
minimum elong	6502 Aug 09 23:43	21° \mathbb{A} 42'57 1°03'01	minimum elong	6503 Jul 25 10:46	6° \mathbb{A} 29'30 0°41'17
	6502 Aug 13 17:45	0° \mathbb{A}	evening rise	6503 Aug 01 07:50	21° \mathbb{A} 31'11

	6503 Aug 05 09:47	0°♎		behind sun end	6504 Jul 08 19:28	21°♊06'32	
	6503 Aug 24 07:00	0°♏			6504 Jul 12 21:51	0°♏	
desc. node	6503 Aug 25 23:51	1°♏50'29		evening rise	6504 Jul 15 19:36	6°♏15'05	
evening max el	6503 Aug 27 08:57	3°♏12'58	24°53'49		6504 Jul 28 08:27	0°♎	
retrograde	6503 Sep 10 06:01	10°♏12'53		evening max el	6504 Aug 07 20:49	13°♎33'16	23°16'54
evening set	6503 Sep 15 17:18	9°♏05'26		desc. node	6504 Aug 11 20:53	16°♎54'51	
min. Earth dist.	6503 Sep 20 20:16	6°♏20'57	0.57115 AU	retrograde	6504 Aug 21 08:08	20°♎18'03	
inferior conj	6503 Sep 23 16:26	4°♏29'15	-5°23'27	evening set	6504 Aug 25 07:33	19°♎43'26	
minimum elong	6503 Sep 23 18:22	4°♏26'04	5°23'22	min. Earth dist.	6504 Sep 01 06:01	16°♎31'47	0.55582 AU
morning rise	6503 Oct 01 21:41	0°♏21'00		inferior conj	6504 Sep 03 01:38	15°♎27'56	-5°13'13
direct	6503 Oct 04 11:09	0°♏02'21		minimum elong	6504 Sep 02 20:41	15°♎35'12	5°12'41
morning max el	6503 Oct 13 15:43	4°♏23'00	19°15'33	morning rise	6504 Sep 11 12:08	11°♎36'21	
asc. node	6503 Oct 17 08:32	8°♏33'11		direct	6504 Sep 14 10:40	11°♎15'34	
	6503 Oct 29 19:38	0°♎		morning max el	6504 Sep 25 03:46	16°♎15'00	20°27'41
morning set	6503 Oct 30 15:45	1°♎39'54		asc. node	6504 Oct 03 05:33	26°♎25'58	
					6504 Oct 05 09:41	0°♏	
superior conj	6503 Nov 07 19:15	17°♎49'33	1°29'50	morning set	6504 Oct 13 22:05	16°♏18'53	
minimum elong	6503 Nov 07 21:56	18°♎02'31	1°29'38		6504 Oct 20 13:21	0°♎	
	6503 Nov 14 06:25	0°♏					
max. Earth dist.	6503 Nov 14 09:06	0°♏12'13	1.38337 AU	superior conj	6504 Oct 21 11:10	1°♎51'01	1°39'58
evening rise	6503 Nov 18 03:17	6°♏53'51		minimum elong	6504 Oct 21 12:24	1°♎57'18	1°39'57
desc. node	6503 Nov 21 23:00	13°♏25'40		max. Earth dist.	6504 Oct 26 16:14	12°♎10'27	1.36301 AU
	6503 Dec 02 10:24	0°♏		evening rise	6504 Oct 30 13:36	19°♎30'03	
evening max el	6503 Dec 23 15:55	27°♏18'16	24°53'40		6504 Nov 05 11:50	0°♏	
	6503 Dec 26 14:59	0°♏		desc. node	6504 Nov 07 20:03	3°♏56'11	
retrograde	6504 Jan 04 09:39	4°♏07'27			6504 Nov 25 12:32	0°♏	
evening set	6504 Jan 10 00:46	1°♏46'56		evening max el	6504 Dec 05 04:40	11°♏03'00	26°02'37
	6504 Jan 11 20:33	30°♏		retrograde	6504 Dec 17 18:44	18°♏12'09	
asc. node	6504 Jan 13 07:47	28°♏16'36		evening set	6504 Dec 23 22:55	15°♏40'20	
min. Earth dist.	6504 Jan 14 13:39	26°♏41'00	0.67682 AU	min. Earth dist.	6504 Dec 28 04:52	11°♏09'14	0.66849 AU
inferior conj	6504 Jan 15 14:16	25°♏19'57	0°45'17	inferior conj	6504 Dec 29 16:47	9°♏17'29	-0°10'10
minimum elong	6504 Jan 15 13:11	25°♏23'30	0°44'54	minimum elong	6504 Dec 29 17:03	9°♏16'39	0°10'01
morning rise	6504 Jan 21 01:49	19°♏21'40		transit middle	6504 Dec 29 17:03	9°♏16'39	0°10'01
direct	6504 Jan 24 16:54	18°♏06'00		transit begin	6504 Dec 29 14:49	9°♏23'37	
morning max el	6504 Feb 01 01:18	22°♏13'06	19°42'50	transit end	6504 Dec 29 19:17	9°♏09'43	
	6504 Feb 07 13:05	0°♏		asc. node	6504 Dec 30 04:49	8°♏40'11	
greatest brilliancy	6504 Feb 13 22:47	9°♏06'03	-0.7m	morning rise	6505 Jan 04 11:45	3°♏28'18	
desc. node	6504 Feb 17 22:16	15°♏02'03		direct	6505 Jan 07 15:37	2°♏31'19	
morning set	6504 Feb 26 19:08	28°♏34'00		morning max el	6505 Jan 14 10:00	6°♏13'38	18°49'20
	6504 Feb 27 17:26	0°♏			6505 Jan 31 08:36	0°♏	
max. Earth dist.	6504 Mar 09 14:17	17°♏00'00	1.44425 AU	desc. node	6505 Feb 03 19:17	5°♏23'08	
				morning set	6505 Feb 05 05:08	7°♏35'39	
superior conj	6504 Mar 14 06:46	24°♏30'00	-2°07'22		6505 Feb 19 12:41	0°♏	
minimum elong	6504 Mar 14 02:59	24°♏14'46	2°07'14	max. Earth dist.	6505 Feb 20 07:15	1°♏12'47	1.45260 AU
	6504 Mar 17 16:00	0°♏					
evening rise	6504 Mar 27 21:12	17°♏02'00		superior conj	6505 Feb 21 16:11	3°♏22'04	-1°46'09
	6504 Apr 04 13:53	0°♏		minimum elong	6505 Feb 21 07:03	2°♏46'13	1°45'23
asc. node	6504 Apr 10 07:00	8°♏56'49		evening rise	6505 Mar 08 22:20	27°♏39'31	
evening max el	6504 Apr 15 06:12	15°♏07'36	18°13'50		6505 Mar 10 09:07	0°♏	
retrograde	6504 Apr 21 15:42	18°♏31'29		greatest brilliancy	6505 Mar 14 11:45	6°♏38'36	-0.9m
evening set	6504 Apr 24 14:06	17°♏45'54		asc. node	6505 Mar 28 04:02	26°♏53'18	
inferior conj	6504 Apr 30 14:44	12°♏26'15	3°19'55	evening max el	6505 Mar 29 17:50	28°♏36'20	18°39'51
minimum elong	6504 Apr 30 16:14	12°♏22'05	3°19'43		6505 Mar 31 06:05	0°♏	
min. Earth dist.	6504 May 03 04:48	9°♏34'52	0.63400 AU	retrograde	6505 Apr 05 08:16	2°♏14'42	
morning rise	6504 May 06 17:10	6°♏16'26		evening set	6505 Apr 08 13:24	1°♏15'57	
direct	6504 May 13 12:34	3°♏37'25			6505 Apr 10 06:08	30°♏	
desc. node	6504 May 15 21:38	3°♏54'54		inferior conj	6505 Apr 14 05:40	25°♏39'03	3°28'43
morning max el	6504 May 27 10:20	11°♏38'17	27°45'09	minimum elong	6505 Apr 14 05:41	25°♏39'00	3°28'41
	6504 Jun 10 22:59	0°♏		min. Earth dist.	6505 Apr 16 04:24	23°♏16'57	0.65202 AU
	6504 Jun 28 13:20	0°♏		morning rise	6505 Apr 19 21:19	19°♏24'00	
morning set	6504 Jul 01 00:47	4°♏52'17		direct	6505 Apr 26 12:06	16°♏35'34	
max. Earth dist.	6504 Jul 06 04:21	15°♏29'02	1.32712 AU	desc. node	6505 May 02 18:37	18°♏37'24	
asc. node	6504 Jul 07 06:15	17°♏46'44		morning max el	6505 May 09 20:34	24°♏27'44	27°03'48
					6505 May 14 20:25	0°♏	
superior conj	6504 Jul 08 19:56	21°♏09'05	0°16'09		6505 Jun 04 09:00	0°♏	
minimum elong	6504 Jul 08 19:10	21°♏04'54	0°15'56	morning set	6505 Jun 14 12:07	18°♏19'24	
behind sun begin	6504 Jul 08 18:52	21°♏03'17		max. Earth dist.	6505 Jun 18 22:55	27°♏07'38	1.33861 AU

	6505 Jun 20 08:41	0°☿		morning max el	6506 Apr 22 06:23	7°Υ35'14	25°56'23
					6506 May 09 17:11	0°♄	
superior conj	6505 Jun 22 22:10	5°☿19'28 -0°12'25			6506 May 27 20:01	0°♄	
minimum elong	6505 Jun 22 22:49	5°☿22'56 0°12'19		morning set	6506 May 28 09:55	1°♄03'51	
behind sun begin	6505 Jun 22 19:11	5°☿03'53		max. Earth dist.	6506 Jun 01 06:00	8°♄17'31	1.35477 AU
behind sun end	6505 Jun 23 02:27	5°☿42'01					
asc. node	6505 Jun 24 03:16	7°☿52'45		superior conj	6506 Jun 06 16:38	19°♄02'43	-0°42'50
evening rise	6505 Jun 30 06:11	20°☿51'26		minimum elong	6506 Jun 06 19:05	19°♄15'04	0°42'24
	6505 Jul 04 17:40	0°♁		asc. node	6506 Jun 11 00:17	27°♄53'48	
evening max el	6505 Jul 20 13:00	23°♁55'56 21°41'00			6506 Jun 12 00:42	0°☿	
desc. node	6505 Jul 29 17:53	29°♁41'07		evening rise	6506 Jun 14 13:29	5°☿13'27	
	6505 Jul 31 09:06	0°♁			6506 Jun 28 12:26	0°♁	
retrograde	6505 Aug 01 23:42	0°♁06'05		evening max el	6506 Jul 02 16:32	4°♁50'54	20°18'36
	6505 Aug 03 14:50	30°♁♁		retrograde	6506 Jul 13 12:33	10°♁10'14	
evening set	6505 Aug 04 14:16	29°♁50'42		evening set	6506 Jul 15 11:19	10°♁00'39	
inferior conj	6505 Aug 13 20:53	25°♁50'09 -4°09'53		desc. node	6506 Jul 16 14:53	9°♁46'27	
minimum elong	6505 Aug 13 11:45	26°♁02'57 4°07'31		inferior conj	6506 Jul 24 15:04	6°♁02'58	-2°23'25
min. Earth dist.	6505 Aug 13 15:30	25°♁57'42 0.54797 AU		minimum elong	6506 Jul 24 08:27	6°♁12'40	2°21'05
morning rise	6505 Aug 22 10:27	21°♁59'12		min. Earth dist.	6506 Jul 26 02:42	5°♁10'45	0.54954 AU
direct	6505 Aug 25 20:48	21°♁33'31		morning rise	6506 Aug 02 04:26	1°♁52'24	
morning max el	6505 Sep 07 03:39	27°♁20'28 21°59'32		direct	6506 Aug 06 07:14	1°♁15'44	
	6505 Sep 09 18:08	0°♁		morning max el	6506 Aug 19 18:54	7°♁49'53	23°43'16
asc. node	6505 Sep 20 02:34	15°♁01'28			6506 Sep 04 18:03	0°♁	
	6505 Sep 27 19:10	0°♁		asc. node	6506 Sep 06 23:36	4°♁09'25	
morning set	6505 Sep 28 07:56	1°♁06'37		morning set	6506 Sep 12 19:28	15°♁58'08	
					6506 Sep 19 07:24	0°♁	
superior conj	6505 Oct 05 11:54	16°♁17'29 1°42'31					
minimum elong	6505 Oct 05 11:44	16°♁16'38 1°42'32		superior conj	6506 Sep 19 18:32	1°♁00'10	1°38'32
max. Earth dist.	6505 Oct 09 05:44	24°♁02'55 1.34563 AU		minimum elong	6506 Sep 19 17:15	0°♁53'16	1°38'28
	6505 Oct 12 05:06	0°♁		max. Earth dist.	6506 Sep 22 04:03	6°♁08'46	1.33230 AU
evening rise	6505 Oct 13 16:10	2°♁50'39		evening rise	6506 Sep 27 07:03	16°♁45'31	
desc. node	6505 Oct 25 17:05	24°♁11'36			6506 Oct 04 05:41	0°♁	
	6505 Oct 29 09:22	0°♁		desc. node	6506 Oct 12 14:06	14°♁05'13	
evening max el	6505 Nov 17 17:31	24°♁41'26 26°55'16			6506 Oct 23 21:44	0°♁	
	6505 Nov 24 12:02	0°♁		evening max el	6506 Oct 31 05:50	8°♁03'51	27°24'24
retrograde	6505 Nov 30 22:22	1°♁59'46		retrograde	6506 Nov 13 19:53	15°♁22'17	
	6505 Dec 06 17:51	30°♁♁		evening set	6506 Nov 20 20:18	12°♁45'52	
evening set	6505 Dec 07 14:15	29°♁21'50		min. Earth dist.	6506 Nov 24 14:46	9°♁22'46	0.64129 AU
min. Earth dist.	6505 Dec 11 13:56	25°♁25'32 0.65658 AU		inferior conj	6506 Nov 27 01:57	6°♁47'48	-2°16'25
inferior conj	6505 Dec 13 13:29	23°♁08'31 -1°11'19		minimum elong	6506 Nov 27 06:04	6°♁37'02	2°14'45
minimum elong	6505 Dec 13 15:32	23°♁02'36 1°10'24		morning rise	6506 Dec 03 17:20	1°♁24'38	
asc. node	6505 Dec 17 01:50	19°♁24'54		asc. node	6506 Dec 03 22:52	1°♁19'11	
morning rise	6505 Dec 19 17:51	17°♁30'51		direct	6506 Dec 06 05:02	0°♁53'28	
direct	6505 Dec 22 12:27	16°♁48'47		morning max el	6506 Dec 12 17:02	4°♁17'43	17°52'13
morning max el	6505 Dec 29 00:09	20°♁17'23 18°12'14		morning set	6506 Dec 29 14:19	29°♁56'16	
	6506 Jan 05 11:45	0°♁			6506 Dec 29 15:12	0°♁	
morning set	6506 Jan 16 19:31	18°♁03'57		desc. node	6507 Jan 08 13:20	16°♁37'58	
desc. node	6506 Jan 21 16:18	25°♁56'23					
	6506 Jan 24 05:00	0°♁		superior conj	6507 Jan 11 15:31	21°♁30'28	-0°21'50
				minimum elong	6507 Jan 11 13:01	21°♁30'19	0°21'26
superior conj	6506 Jan 31 20:35	12°♁08'00 -1°07'42			6507 Jan 16 20:14	0°♁	
minimum elong	6506 Jan 31 12:35	11°♁36'33 1°06'40		max. Earth dist.	6507 Jan 16 21:18	0°♁04'14	1.44739 AU
max. Earth dist.	6506 Feb 03 02:19	15°♁39'02 1.45365 AU		evening rise	6507 Jan 27 13:36	16°♁42'44	
	6506 Feb 12 06:51	0°♁			6507 Feb 05 07:27	0°♁	
evening rise	6506 Feb 17 01:04	7°♁24'50		evening max el	6507 Feb 24 04:57	25°♁45'40	20°21'13
greatest brilliancy	6506 Mar 01 00:45	25°♁57'05 -0.7m		asc. node	6507 Mar 01 22:05	29°♁57'56	
	6506 Mar 03 17:43	0°♁			6507 Mar 02 00:19	0°♁	
evening max el	6506 Mar 13 01:52	12°♁09'36 19°22'59		retrograde	6507 Mar 04 03:14	0°♁23'38	
asc. node	6506 Mar 15 01:03	13°♁58'08			6507 Mar 06 04:06	30°♁♁	
retrograde	6506 Mar 20 04:57	16°♁13'28		evening set	6507 Mar 08 00:35	28°♁56'12	
evening set	6506 Mar 23 17:36	15°♁00'44		inferior conj	6507 Mar 13 08:59	22°♁50'28	3°04'04
inferior conj	6506 Mar 29 04:39	9°♁08'24 3°22'23		minimum elong	6507 Mar 13 07:00	22°♁57'13	3°03'42
minimum elong	6506 Mar 29 03:28	9°♁12'17 3°22'16		min. Earth dist.	6507 Mar 14 02:28	21°♁50'54	0.67582 AU
min. Earth dist.	6506 Mar 30 12:13	7°♁25'30 0.66608 AU		morning rise	6507 Mar 18 13:11	16°♁35'30	
morning rise	6506 Apr 03 12:58	2°♁52'13		direct	6507 Mar 24 05:33	14°♁03'17	
direct	6506 Apr 09 18:05	0°♁06'49		morning max el	6507 Apr 04 15:09	20°♁52'34	24°32'47
desc. node	6506 Apr 19 15:37	5°♁06'05		desc. node	6507 Apr 06 12:40	22°♁52'34	

	6507 Apr 12 11:47	0°♿			6508 Apr 05 17:19	0°♿	
	6507 May 02 22:29	0°♿		morning set	6508 Apr 20 16:04	23°♿29'49	
morning set	6507 May 10 13:08	12°♿52'06			6508 Apr 24 12:18	0°♿	
max. Earth dist.	6507 May 14 04:03	19°♿20'12	1.37492 AU	max. Earth dist.	6508 Apr 25 00:04	0°♿50'40	1.39705 AU
	6507 May 19 21:02	0°♿					
				superior conj	6508 May 02 16:55	14°♿34'33	-1°41'02
superior conj	6507 May 21 00:13	2°♿10'57	-1°13'18	minimum elong	6508 May 02 22:15	14°♿59'07	1°40'28
minimum elong	6507 May 21 04:28	2°♿31'28	1°12'40		6508 May 10 21:09	0°♿	
asc. node	6507 May 28 21:19	17°♿45'59		evening rise	6508 May 12 08:14	2°♿48'07	
evening rise	6507 May 29 15:09	19°♿14'50		asc. node	6508 May 14 18:22	7°♿25'04	
	6507 Jun 04 04:25	0°♿		evening max el	6508 May 28 11:32	28°♿47'01	18°32'40
evening max el	6507 Jun 15 08:51	16°♿28'54	19°15'22		6508 May 29 19:58	0°♿	
retrograde	6507 Jun 24 11:48	20°♿57'44		retrograde	6508 Jun 05 05:42	2°♿37'46	
evening set	6507 Jun 26 10:14	20°♿46'30		evening set	6508 Jun 07 10:07	2°♿20'26	
desc. node	6507 Jul 03 11:55	17°♿33'02			6508 Jun 12 04:38	30°♿♿	
inferior conj	6507 Jul 04 22:08	16°♿36'59	-0°25'45	inferior conj	6508 Jun 15 02:01	27°♿51'44	1°13'52
minimum elong	6507 Jul 04 21:01	16°♿38'51	0°25'22	minimum elong	6508 Jun 15 04:31	27°♿46'51	1°12'58
min. Earth dist.	6507 Jul 07 16:29	14°♿47'17	0.56043 AU	min. Earth dist.	6508 Jun 18 10:39	25°♿15'52	0.57837 AU
morning rise	6507 Jul 13 04:53	11°♿52'35		desc. node	6508 Jun 19 08:58	24°♿35'40	
direct	6507 Jul 18 04:27	10°♿55'38		morning rise	6508 Jun 22 19:35	22°♿31'28	
morning max el	6507 Aug 01 07:59	18°♿07'14	25°25'04	direct	6508 Jun 28 15:46	21°♿04'52	
	6507 Aug 11 04:56	0°♿		morning max el	6508 Jul 13 01:05	28°♿42'41	26°48'21
asc. node	6507 Aug 24 20:38	23°♿40'52			6508 Jul 14 07:52	0°♿	
	6507 Aug 27 21:57	0°♿			6508 Aug 03 21:28	0°♿	
morning set	6507 Aug 28 07:00	0°♿47'55		asc. node	6508 Aug 10 17:40	13°♿29'05	
				morning set	6508 Aug 11 16:57	15°♿31'15	
superior conj	6507 Sep 04 04:40	15°♿51'01	1°28'50		6508 Aug 18 08:29	0°♿	
minimum elong	6507 Sep 04 02:41	15°♿40'01	1°28'36				
max. Earth dist.	6507 Sep 05 09:53	18°♿31'16	1.32333 AU	superior conj	6508 Aug 18 16:25	0°♿43'56	1°14'03
	6507 Sep 10 18:26	0°♿		minimum elong	6508 Aug 18 14:08	0°♿31'20	1°13'41
evening rise	6507 Sep 11 06:50	1°♿04'20		max. Earth dist.	6508 Aug 18 20:02	1°♿03'59	1.31871 AU
	6507 Sep 27 04:41	0°♿		evening rise	6508 Aug 25 12:46	15°♿39'06	
desc. node	6507 Sep 29 11:08	3°♿27'24			6508 Sep 01 17:04	0°♿	
evening max el	6507 Oct 13 15:17	20°♿55'56	27°23'45	desc. node	6508 Sep 15 08:10	22°♿05'20	
retrograde	6507 Oct 27 10:11	28°♿09'49			6508 Sep 21 18:33	0°♿	
evening set	6507 Nov 03 13:45	25°♿44'42		evening max el	6508 Sep 24 19:03	3°♿04'43	26°49'37
min. Earth dist.	6507 Nov 07 05:24	22°♿49'54	0.62306 AU	retrograde	6508 Oct 08 16:36	10°♿13'53	
inferior conj	6507 Nov 10 03:15	20°♿07'02	-3°22'24	evening set	6508 Oct 15 14:26	8°♿11'27	
minimum elong	6507 Nov 10 09:14	19°♿53'03	3°20'21	min. Earth dist.	6508 Oct 19 09:04	5°♿34'23	0.60274 AU
morning rise	6507 Nov 17 06:35	15°♿01'51		inferior conj	6508 Oct 22 13:55	2°♿57'24	-4°23'30
direct	6507 Nov 19 14:07	14°♿38'00		minimum elong	6508 Oct 22 20:39	2°♿43'37	4°21'49
asc. node	6507 Nov 20 19:56	14°♿45'04			6508 Oct 26 11:58	30°♿♿	
morning max el	6507 Nov 26 09:32	18°♿06'11	17°50'01	morning rise	6508 Oct 30 05:01	28°♿13'41	
	6507 Dec 04 23:00	0°♿		direct	6508 Nov 01 11:41	27°♿54'00	
morning set	6507 Dec 12 07:12	12°♿51'27		asc. node	6508 Nov 06 16:59	29°♿43'04	
	6507 Dec 22 01:16	0°♿			6508 Nov 07 02:22	0°♿	
				morning max el	6508 Nov 08 22:23	1°♿34'45	18°06'50
superior conj	6507 Dec 23 11:31	2°♿25'55	0°21'10	morning set	6508 Nov 24 15:57	26°♿31'11	
minimum elong	6507 Dec 23 13:28	2°♿34'12	0°20'54		6508 Nov 26 12:34	0°♿	
desc. node	6507 Dec 26 10:22	7°♿23'31					
max. Earth dist.	6507 Dec 30 13:26	14°♿10'22	1.43449 AU	superior conj	6508 Dec 04 08:46	14°♿24'24	0°55'36
evening rise	6508 Jan 07 02:27	26°♿08'39		minimum elong	6508 Dec 04 12:25	14°♿40'42	0°55'09
	6508 Jan 09 14:19	0°♿		max. Earth dist.	6508 Dec 12 00:35	27°♿41'19	1.41649 AU
	6508 Jan 30 06:21	0°♿		desc. node	6508 Dec 12 07:23	28°♿09'51	
evening max el	6508 Feb 07 02:33	9°♿22'47	21°31'34		6508 Dec 13 09:48	0°♿	
retrograde	6508 Feb 16 01:04	14°♿40'37		evening rise	6508 Dec 17 05:49	6°♿16'19	
asc. node	6508 Feb 16 19:08	14°♿37'38			6509 Jan 01 19:35	0°♿	
evening set	6508 Feb 20 08:31	12°♿57'52		evening max el	6509 Jan 19 19:20	23°♿01'33	22°49'35
inferior conj	6508 Feb 25 16:19	6°♿41'20	2°35'50	retrograde	6509 Jan 29 20:54	29°♿00'01	
minimum elong	6508 Feb 25 14:00	6°♿49'24	2°35'14	asc. node	6509 Feb 02 16:12	27°♿46'06	
min. Earth dist.	6508 Feb 25 21:00	6°♿25'05	0.68118 AU	evening set	6509 Feb 03 15:46	27°♿01'56	
morning rise	6508 Mar 01 19:19	0°♿29'06		min. Earth dist.	6509 Feb 08 17:36	21°♿02'24	0.68244 AU
	6508 Mar 02 09:18	30°♿♿		inferior conj	6509 Feb 09 00:41	20°♿37'52	1°58'56
direct	6508 Mar 06 21:23	28°♿16'35		minimum elong	6509 Feb 08 22:28	20°♿45'31	1°58'14
	6508 Mar 11 22:05	0°♿		morning rise	6509 Feb 14 05:05	14°♿29'41	
morning max el	6508 Mar 17 00:39	4°♿16'57	23°03'21	direct	6509 Feb 18 16:47	12°♿39'41	
desc. node	6508 Mar 23 09:41	11°♿34'41		morning max el	6509 Feb 27 14:12	17°♿50'11	21°37'00

	6509 Mar 09 14:08	0° H		desc. node	6510 Feb 25 03:42	20° \approx 47'44	
desc. node	6509 Mar 10 06:42	0° H 56'38			6510 Mar 03 08:07	0° H	
	6509 Mar 29 20:13	0° Y		morning set	6510 Mar 10 15:16	11° H 09'18	
morning set	6509 Mar 31 14:48	2° Y 48'32		max. Earth dist.	6510 Mar 20 07:24	26° H 23'26	1.43636 AU
max. Earth dist.	6509 Apr 07 00:16	13° Y 10'46	1.41843 AU		6510 Mar 22 13:04	0° Y	
superior conj	6509 Apr 14 13:50	26° Y 01'25	-2°01'55	superior conj	6510 Mar 26 10:38	6° Y 23'07	-2°10'24
minimum elong	6509 Apr 14 18:15	26° Y 20'42	2°01'41	minimum elong	6510 Mar 26 10:43	6° Y 23'26	2°10'24
	6509 Apr 16 20:12	0° B		evening rise	6510 Apr 08 00:40	27° Y 50'07	
evening rise	6509 Apr 25 12:53	15° B 43'08			6510 Apr 09 06:27	0° B	
asc. node	6509 May 01 15:24	26° B 45'09		asc. node	6510 Apr 18 12:27	15° B 39'50	
	6509 May 03 12:42	0° II		evening max el	6510 Apr 25 09:39	24° B 46'55	18°07'06
evening max el	6509 May 11 20:57	11° II 35'57	18°10'09	retrograde	6510 May 01 20:26	28° B 08'14	
retrograde	6509 May 18 17:54	15° II 04'20		evening set	6510 May 04 14:58	27° B 30'01	
evening set	6509 May 21 05:29	14° II 37'41		inferior conj	6510 May 10 22:08	22° B 21'24	3°06'15
inferior conj	6509 May 28 03:06	9° II 48'37	2°24'07	minimum elong	6510 May 11 00:28	22° B 15'19	3°05'49
minimum elong	6509 May 28 06:23	9° II 41'10	2°23'13	min. Earth dist.	6510 May 13 20:26	19° B 19'59	0.62219 AU
min. Earth dist.	6509 May 31 11:23	6° II 47'36	0.60005 AU	morning rise	6510 May 17 08:15	16° B 17'10	
morning rise	6509 Jun 04 04:34	4° II 00'53		direct	6510 May 24 03:20	13° B 48'56	
desc. node	6509 Jun 06 06:00	2° II 56'50		desc. node	6510 May 24 03:01	13° B 48'56	
direct	6509 Jun 10 16:13	2° II 00'52		morning max el	6510 Jun 07 06:12	21° B 50'31	27°53'48
morning max el	6509 Jun 25 00:44	9° II 55'20	27°39'55		6510 Jun 14 09:19	0° II	
	6509 Jul 10 12:47	0° D			6510 Jul 03 15:48	0° D	
morning set	6509 Jul 26 23:31	0° Ω 01'54		morning set	6510 Jul 11 00:40	14° D 14'00	
	6509 Jul 26 23:09	0° Ω		asc. node	6510 Jul 15 11:43	23° D 32'58	
asc. node	6509 Jul 28 14:42	3° Ω 27'56		max. Earth dist.	6510 Jul 16 13:53	25° D 53'32	1.32264 AU
max. Earth dist.	6509 Aug 02 06:40	13° Ω 35'16	1.31844 AU		6510 Jul 18 11:19	0° Ω	
superior conj	6509 Aug 03 03:53	15° Ω 32'21	0°54'41	superior conj	6510 Jul 18 13:20	0° Ω 11'00	0°31'15
minimum elong	6509 Aug 03 01:49	15° Ω 20'52	0°54'16	minimum elong	6510 Jul 18 11:57	0° Ω 03'25	0°30'55
evening rise	6509 Aug 09 22:29	0° np 22'03		evening rise	6510 Jul 25 10:02	15° Ω 07'20	
	6509 Aug 09 18:21	0° np			6510 Aug 01 19:02	0° np	
	6509 Aug 26 00:33	0° $\underline{\text{a}}$		evening max el	6510 Aug 19 04:26	24° np 58'11	24°13'29
desc. node	6509 Sep 02 05:13	9° $\underline{\text{a}}$ 40'42		desc. node	6510 Aug 20 02:14	25° np 49'08	
evening max el	6509 Sep 06 15:02	14° $\underline{\text{a}}$ 22'54	25°43'21		6510 Aug 25 21:12	0° $\underline{\text{a}}$	
retrograde	6509 Sep 20 13:46	21° $\underline{\text{a}}$ 27'52		retrograde	6510 Sep 01 23:15	1° $\underline{\text{a}}$ 53'47	
evening set	6509 Sep 26 17:23	19° $\underline{\text{a}}$ 58'49		evening set	6510 Sep 06 19:39	1° $\underline{\text{a}}$ 01'44	
min. Earth dist.	6509 Oct 01 03:17	17° $\underline{\text{a}}$ 22'25	0.58203 AU		6510 Sep 09 06:17	30° Rnp	
inferior conj	6509 Oct 04 06:29	15° $\underline{\text{a}}$ 08'56	-5°09'40	min. Earth dist.	6510 Sep 12 15:20	28° np 07'13	0.56383 AU
minimum elong	6509 Oct 04 11:16	15° $\underline{\text{a}}$ 00'24	5°09'03	inferior conj	6510 Sep 15 02:51	26° np 34'37	-5°25'13
morning rise	6509 Oct 12 07:29	10° $\underline{\text{a}}$ 48'20		minimum elong	6510 Sep 15 01:58	26° np 35'59	5°25'12
direct	6509 Oct 14 17:04	10° $\underline{\text{a}}$ 30'09		morning rise	6510 Sep 23 10:37	22° np 34'31	
morning max el	6509 Oct 23 04:05	14° $\underline{\text{a}}$ 33'23	18°44'18	direct	6510 Sep 26 03:22	22° np 15'20	
asc. node	6509 Oct 24 14:01	16° $\underline{\text{a}}$ 00'56		morning max el	6510 Oct 05 23:11	26° np 51'48	19°43'39
	6509 Nov 02 20:43	0° ml			6510 Oct 08 21:14	0° $\underline{\text{a}}$	
morning set	6509 Nov 08 11:47	10° ml 41'33		asc. node	6510 Oct 11 11:02	3° $\underline{\text{a}}$ 23'21	
				morning set	6510 Oct 23 15:03	25° $\underline{\text{a}}$ 12'13	
superior conj	6509 Nov 17 02:35	27° ml 22'18	1°20'04		6510 Oct 25 23:49	0° ml	
minimum elong	6509 Nov 17 05:55	27° ml 38'00	1°19'46				
	6509 Nov 18 12:13	0° x		superior conj	6510 Oct 31 11:42	11° ml 04'00	1°35'08
max. Earth dist.	6509 Nov 24 06:53	10° x 28'32	1.39557 AU	minimum elong	6510 Oct 31 13:47	11° ml 14'18	1°35'02
evening rise	6509 Nov 28 07:01	17° x 23'29		max. Earth dist.	6510 Nov 06 12:01	22° ml 38'35	1.37437 AU
desc. node	6509 Nov 29 04:24	18° x 53'33		evening rise	6510 Nov 10 06:09	29° ml 29'39	
	6509 Dec 06 00:41	0° Z			6510 Nov 10 12:58	0° x	
	6509 Dec 27 07:44	0° \approx		desc. node	6510 Nov 16 01:25	9° x 30'14	
evening max el	6510 Jan 02 09:08	6° \approx 44'03	24°09'32		6510 Nov 29 07:52	0° Z	
retrograde	6510 Jan 13 13:21	13° \approx 18'01		evening max el	6510 Dec 15 22:00	20° Z 29'39	25°24'40
evening set	6510 Jan 18 20:46	11° \approx 05'18		retrograde	6510 Dec 28 01:20	27° Z 29'00	
asc. node	6510 Jan 20 13:15	9° \approx 26'27		evening set	6511 Jan 02 21:55	25° Z 03'30	
min. Earth dist.	6510 Jan 23 13:59	5° \approx 39'29	0.67987 AU	asc. node	6511 Jan 07 10:16	20° Z 04'12	
inferior conj	6510 Jan 24 08:14	4° \approx 37'52	1°14'18	min. Earth dist.	6511 Jan 07 07:49	20° Z 12'04	0.67365 AU
minimum elong	6510 Jan 24 06:36	4° \approx 43'23	1°13'42	inferior conj	6511 Jan 08 13:08	18° Z 37'31	0°22'33
	6510 Jan 28 02:23	30° RZ		minimum elong	6511 Jan 08 12:34	18° Z 39'21	0°22'21
morning rise	6510 Jan 29 16:30	28° Z 35'16		morning rise	6511 Jan 14 03:33	12° Z 42'33	
direct	6510 Feb 02 14:40	27° Z 07'37		direct	6511 Jan 17 13:38	11° Z 35'11	
	6510 Feb 08 17:39	0° \approx		morning max el	6511 Jan 24 15:11	15° Z 30'33	19°18'05
morning max el	6510 Feb 10 10:46	1° \approx 35'06	20°20'34		6511 Feb 04 18:01	0° \approx	

greatest brilliancy	6511 Feb 06 21:14	3° \approx 10'38	-0.7m	morning rise	6511 Dec 29 12:10	26° \approx 48'26	
desc. node	6511 Feb 12 00:41	10° \approx 59'39		direct	6512 Jan 01 11:56	25° \approx 58'05	
morning set	6511 Feb 17 14:37	19° \approx 35'32		morning max el	6512 Jan 08 02:27	29° \approx 33'05	18°31'30
	6511 Feb 24 07:28	0° \approx			6512 Jan 08 13:03	0° \approx	
max. Earth dist.	6511 Mar 02 21:22	10° \approx 18'50	1.44870 AU	morning set	6512 Jan 28 11:57	29° \approx 32'50	
					6512 Jan 28 23:50	0° \approx	
superior conj	6511 Mar 06 06:49	15° \approx 41'23	-2°00'51	desc. node	6512 Jan 29 21:43	1° \approx 26'44	
minimum elong	6511 Mar 06 00:15	15° \approx 15'16	2°00'29				
	6511 Mar 15 03:53	0° \approx		superior conj	6512 Feb 13 11:37	24° \approx 24'04	-1°31'29
evening rise	6511 Mar 20 15:08	9° \approx 00'32		minimum elong	6512 Feb 13 02:06	23° \approx 46'44	1°30'29
	6511 Apr 02 13:39	0° \approx		max. Earth dist.	6512 Feb 13 16:03	24° \approx 41'24	1.45405 AU
asc. node	6511 Apr 05 09:28	4° \approx 00'27			6512 Feb 17 01:21	0° \approx	
evening max el	6511 Apr 08 22:29	8° \approx 11'16	18°22'45	evening rise	6512 Feb 29 06:18	19° \approx 14'30	
retrograde	6511 Apr 15 08:56	11° \approx 39'28			6512 Mar 07 01:02	0° \approx	
evening set	6511 Apr 18 10:13	10° \approx 48'20		greatest brilliancy	6512 Mar 09 08:20	3° \approx 37'40	-0.8m
inferior conj	6511 Apr 24 06:53	5° \approx 21'21	3°25'41	asc. node	6512 Mar 22 06:30	21° \approx 36'49	
minimum elong	6511 Apr 24 07:44	5° \approx 18'53	3°25'36	evening max el	6512 Mar 22 08:52	21° \approx 42'52	18°56'11
min. Earth dist.	6511 Apr 26 14:36	2° \approx 40'43	0.64220 AU	retrograde	6512 Mar 29 03:35	25° \approx 30'28	
	6511 Apr 29 04:52	30° \approx		evening set	6512 Apr 01 11:56	24° \approx 25'39	
morning rise	6511 Apr 30 04:21	29° \approx 08'56		inferior conj	6512 Apr 07 01:36	18° \approx 41'52	3°27'37
direct	6511 May 06 22:44	26° \approx 24'06		minimum elong	6512 Apr 07 01:04	18° \approx 43'33	3°27'35
desc. node	6511 May 11 00:01	27° \approx 15'06		min. Earth dist.	6512 Apr 08 17:43	16° \approx 35'55	0.65860 AU
	6511 May 15 16:42	0° \approx		morning rise	6512 Apr 12 13:47	12° \approx 26'11	
morning max el	6511 May 20 15:14	4° \approx 22'25	27°31'09	direct	6512 Apr 19 00:58	9° \approx 37'52	
	6511 Jun 08 23:04	0° \approx		desc. node	6512 Apr 26 21:02	12° \approx 46'57	
morning set	6511 Jun 24 17:57	28° \approx 00'13		morning max el	6512 May 02 01:28	17° \approx 20'53	26°37'43
	6511 Jun 25 18:06	0° \approx			6512 May 12 14:49	0° \approx	
max. Earth dist.	6511 Jun 29 14:03	7° \approx 48'52	1.33143 AU		6512 May 31 21:03	0° \approx	
asc. node	6511 Jul 02 08:44	13° \approx 40'04		morning set	6512 Jun 07 00:02	11° \approx 10'35	
				max. Earth dist.	6512 Jun 11 04:02	19° \approx 15'24	1.34499 AU
superior conj	6511 Jul 02 18:51	14° \approx 33'59	0°04'21				
minimum elong	6511 Jul 02 18:38	14° \approx 32'49	0°04'16	superior conj	6512 Jun 15 18:08	28° \approx 34'00	-0°25'10
behind sun begin	6511 Jul 02 13:23	14° \approx 04'48		minimum elong	6512 Jun 15 19:31	28° \approx 41'11	0°24'56
behind sun end	6511 Jul 02 23:53	15° \approx 00'53			6512 Jun 16 10:43	0° \approx	
evening rise	6511 Jul 09 21:32	29° \approx 49'11		asc. node	6512 Jun 18 05:45	3° \approx 44'36	
	6511 Jul 09 23:34	0° \approx		evening rise	6512 Jun 23 07:01	14° \approx 20'42	
	6511 Jul 27 01:20	0° \approx			6512 Jul 01 06:51	0° \approx	
evening max el	6511 Jul 31 17:18	5° \approx 16'23	22°35'08	evening max el	6512 Jul 12 13:45	15° \approx 50'10	21°03'45
desc. node	6511 Aug 06 23:15	9° \approx 59'31		desc. node	6512 Jul 23 20:17	21° \approx 39'06	
retrograde	6511 Aug 13 20:01	11° \approx 48'15		retrograde	6512 Jul 24 08:49	21° \approx 39'46	
evening set	6511 Aug 17 04:02	11° \approx 23'52		evening set	6512 Jul 26 14:35	21° \approx 27'57	
min. Earth dist.	6511 Aug 25 00:41	7° \approx 56'30	0.55141 AU	inferior conj	6512 Aug 04 21:58	17° \approx 30'20	-3°28'20
inferior conj	6511 Aug 26 05:02	7° \approx 16'15	-4°52'56	minimum elong	6512 Aug 04 13:09	17° \approx 42'45	3°25'37
minimum elong	6511 Aug 25 21:34	7° \approx 26'53	4°51'36	min. Earth dist.	6512 Aug 05 10:21	17° \approx 12'52	0.54746 AU
morning rise	6511 Sep 03 17:01	3° \approx 27'08		morning rise	6512 Aug 13 12:07	13° \approx 33'56	
direct	6511 Sep 06 20:27	3° \approx 04'31		direct	6512 Aug 17 04:58	13° \approx 04'31	
morning max el	6511 Sep 18 05:48	8° \approx 23'46	21°04'39	morning max el	6512 Aug 30 01:16	19° \approx 11'26	22°42'59
asc. node	6511 Sep 28 08:03	21° \approx 36'16			6512 Sep 07 22:41	0° \approx	
	6511 Oct 03 00:14	0° \approx		asc. node	6512 Sep 14 05:04	10° \approx 26'52	
morning set	6511 Oct 07 23:09	9° \approx 56'09		morning set	6512 Sep 21 09:57	24° \approx 46'27	
					6512 Sep 23 20:56	0° \approx	
superior conj	6511 Oct 15 07:46	25° \approx 17'33	1°41'55	superior conj	6512 Sep 28 11:20	9° \approx 51'53	1°41'35
minimum elong	6511 Oct 15 08:23	25° \approx 20'45	1°41'55	minimum elong	6512 Sep 28 10:39	9° \approx 48'16	1°41'34
	6511 Oct 17 15:02	0° \approx		max. Earth dist.	6512 Oct 01 15:11	16° \approx 31'18	1.33945 AU
max. Earth dist.	6511 Oct 19 21:40	4° \approx 33'08	1.35518 AU	evening rise	6512 Oct 06 08:13	26° \approx 02'54	
evening rise	6511 Oct 23 23:57	12° \approx 26'40			6512 Oct 08 09:12	0° \approx	
desc. node	6511 Nov 02 22:27	29° \approx 55'29		desc. node	6512 Oct 19 19:29	20° \approx 02'39	
	6511 Nov 02 23:33	0° \approx			6512 Oct 26 08:53	0° \approx	
	6511 Nov 24 10:03	0° \approx		evening max el	6512 Nov 09 23:53	17° \approx 46'40	27°10'53
evening max el	6511 Nov 28 11:05	4° \approx 13'53	26°27'31	retrograde	6512 Nov 23 08:53	25° \approx 05'21	
retrograde	6511 Dec 11 08:00	11° \approx 27'24		evening set	6512 Nov 30 05:06	22° \approx 26'52	
evening set	6511 Dec 17 17:24	8° \approx 52'30		min. Earth dist.	6512 Dec 04 02:23	18° \approx 45'17	0.65051 AU
min. Earth dist.	6511 Dec 21 20:43	4° \approx 36'10	0.66387 AU	inferior conj	6512 Dec 06 06:57	16° \approx 19'40	-1°38'35
inferior conj	6511 Dec 23 13:27	2° \approx 33'15	-0°35'28	minimum elong	6512 Dec 06 09:52	16° \approx 11'36	1°37'20
minimum elong	6511 Dec 23 14:26	2° \approx 30'18	0°35'00	asc. node	6512 Dec 11 04:20	11° \approx 39'28	
asc. node	6511 Dec 25 07:17	0° \approx 30'03		morning rise	6512 Dec 12 15:51	10° \approx 47'58	
	6511 Dec 25 18:07	30° \approx					

direct	6512 Dec 15 07:18	10°♊10'55		inferior conj	6513 Nov 19 15:01	29°♍50'47	-2°44'36
morning max el	6512 Dec 21 18:08	13°♊36'12	18°01'40	minimum elong	6513 Nov 19 19:59	29°♍38'21	2°42'43
	6513 Jan 02 08:56	0°♊		morning rise	6513 Nov 26 11:28	24°♍35'13	
morning set	6513 Jan 08 14:59	10°♊18'53		asc. node	6513 Nov 28 01:24	24°♍10'54	
desc. node	6513 Jan 15 18:45	22°♊04'09		direct	6513 Nov 28 20:58	24°♍07'40	
	6513 Jan 20 16:51	0°♊		morning max el	6513 Dec 05 11:18	27°♍32'32	17°49'06
					6513 Dec 07 16:11	0°♊	
superior conj	6513 Jan 22 20:06	3°♋24'10	-0°48'27	morning set	6513 Dec 21 19:55	22°♊39'42	
minimum elong	6513 Jan 22 14:16	3°♋01'01	0°47'38		6513 Dec 26 01:43	0°♊	
max. Earth dist.	6513 Jan 26 11:51	9°♋10'56	1.45184 AU	desc. node	6514 Jan 02 15:45	12°♊47'35	
evening rise	6513 Feb 08 01:36	28°♋44'50					
	6513 Feb 08 21:05	0°♋		superior conj	6514 Jan 03 01:06	13°♊26'12	-0°02'48
greatest brilliancy	6513 Feb 21 19:29	19°♋41'29	-0.7m	minimum elong	6514 Jan 03 00:48	13°♊24'57	0°02'43
	6513 Mar 01 02:56	0°♋		behind sun begin	6514 Jan 02 15:24	12°♊46'05	
evening max el	6513 Mar 05 14:53	5°♋17'45	19°46'00	behind sun end	6514 Jan 03 10:13	14°♊03'45	
asc. node	6513 Mar 09 03:32	8°♋16'22		max. Earth dist.	6514 Jan 09 05:32	23°♊28'27	1.44253 AU
retrograde	6513 Mar 13 01:24	9°♋35'24			6514 Jan 13 08:28	0°♋	
evening set	6513 Mar 16 17:36	8°♋16'22		evening rise	6514 Jan 18 12:10	8°♋00'29	
inferior conj	6513 Mar 22 03:13	2°♋17'45	3°15'57		6514 Feb 02 04:02	0°♋	
minimum elong	6513 Mar 22 01:38	2°♋23'01	3°15'44	evening max el	6514 Feb 16 15:30	18°♋53'38	20°49'56
min. Earth dist.	6513 Mar 23 04:32	0°♋53'21	0.67072 AU	asc. node	6514 Feb 24 00:36	23°♋43'50	
	6513 Mar 23 20:50	30°♋		retrograde	6514 Feb 24 23:49	23°♋48'46	
morning rise	6513 Mar 27 09:25	26°♋01'50		evening set	6514 Mar 01 01:12	22°♋14'58	
direct	6513 Apr 02 09:15	23°♋21'20		inferior conj	6514 Mar 06 09:06	16°♋04'07	2°53'15
desc. node	6513 Apr 13 18:04	29°♋52'28		minimum elong	6514 Mar 06 06:55	16°♋11'38	2°52'47
	6513 Apr 13 21:08	0°♋		min. Earth dist.	6514 Mar 06 21:00	15°♋23'05	0.67852 AU
morning max el	6513 Apr 14 11:04	0°♋34'50	25°22'18	morning rise	6514 Mar 11 12:25	9°♋49'54	
	6513 May 06 13:33	0°♋		direct	6514 Mar 16 22:41	7°♋25'30	
morning set	6513 May 20 14:43	23°♌33'49		morning max el	6514 Mar 27 19:55	13°♌55'35	23°54'57
	6513 May 24 02:39	0°♌		desc. node	6514 Mar 31 15:06	18°♌04'54	
max. Earth dist.	6513 May 24 07:10	0°♌21'09	1.36297 AU		6514 Apr 09 20:54	0°♋	
					6514 Apr 29 10:49	0°♌	
superior conj	6513 May 30 08:27	12°♌03'55	-0°55'52	morning set	6514 May 02 08:22	4°♌54'22	
minimum elong	6513 May 30 11:41	12°♌20'00	0°55'20	max. Earth dist.	6514 May 06 03:10	11°♌30'38	1.38419 AU
asc. node	6513 Jun 05 02:47	23°♌42'52					
evening rise	6513 Jun 07 12:19	28°♌35'42		superior conj	6514 May 13 10:14	24°♌54'25	-1°25'37
	6513 Jun 08 05:00	0°♌		minimum elong	6514 May 13 15:05	25°♌17'26	1°24'58
evening max el	6513 Jun 24 22:45	27°♌03'05	19°49'06		6514 May 16 02:06	0°♌	
	6513 Jun 28 14:20	0°♌		evening rise	6514 May 22 10:45	12°♌26'09	
retrograde	6513 Jul 05 01:04	2°♌00'36		asc. node	6514 May 22 23:49	13°♌30'05	
evening set	6513 Jul 06 22:11	1°♌51'01			6514 Jun 01 00:08	0°♌	
desc. node	6513 Jul 10 17:18	0°♌39'25		evening max el	6514 Jun 07 19:54	8°♌59'17	18°54'41
	6513 Jul 12 02:00	30°♌		retrograde	6514 Jun 16 07:44	13°♌10'00	
inferior conj	6513 Jul 15 20:14	27°♌49'22	-1°32'49	evening set	6514 Jun 18 08:12	12°♌56'46	
minimum elong	6513 Jul 15 15:57	27°♌55'57	1°31'14	inferior conj	6514 Jun 26 11:44	8°♌39'53	0°19'44
min. Earth dist.	6513 Jul 17 22:34	26°♌32'06	0.55313 AU	minimum elong	6514 Jun 26 12:31	8°♌38'30	0°19'25
morning rise	6513 Jul 24 07:41	23°♌25'18		desc. node	6514 Jun 27 14:20	7°♌52'23	
direct	6513 Jul 28 18:36	22°♌41'34		min. Earth dist.	6514 Jun 29 14:21	6°♌28'10	0.56739 AU
morning max el	6513 Aug 11 14:59	29°♌33'05	24°27'50	morning rise	6514 Jul 04 13:27	3°♌39'18	
	6513 Aug 12 02:13	0°♌		direct	6514 Jul 09 22:08	2°♌30'27	
asc. node	6513 Sep 01 02:07	29°♌45'45		morning max el	6514 Jul 24 05:20	9°♌55'26	26°03'35
	6513 Sep 01 05:01	0°♌			6514 Aug 08 11:30	0°♌	
morning set	6513 Sep 05 21:42	9°♌37'57		asc. node	6514 Aug 18 23:10	19°♌25'04	
				morning set	6514 Aug 21 08:47	24°♌25'43	
superior conj	6513 Sep 12 19:45	24°♌39'00	1°35'04		6514 Aug 23 22:54	0°♌	
minimum elong	6513 Sep 12 18:07	24°♌30'05	1°34'56	superior conj	6514 Aug 28 06:50	9°♌31'52	1°23'09
max. Earth dist.	6513 Sep 14 16:53	28°♌43'48	1.32793 AU	minimum elong	6514 Aug 28 04:40	9°♌19'52	1°22'52
	6513 Sep 15 07:03	0°♌		max. Earth dist.	6514 Aug 29 00:47	11°♌10'54	1.32080 AU
evening rise	6513 Sep 20 03:15	10°♌08'43		evening rise	6514 Sep 04 05:58	24°♌35'28	
	6513 Sep 30 16:58	0°♌			6514 Sep 06 21:16	0°♌	
desc. node	6513 Oct 06 16:31	9°♌44'04		desc. node	6514 Sep 23 13:32	28°♌49'26	
	6513 Oct 22 11:39	0°♌			6514 Sep 24 09:20	0°♌	
evening max el	6513 Oct 23 11:00	0°♌56'37	27°27'56	evening max el	6514 Oct 05 18:20	13°♌31'54	27°13'26
retrograde	6513 Nov 06 03:31	8°♌14'05		retrograde	6514 Oct 19 15:01	20°♌44'26	
evening set	6513 Nov 13 06:14	5°♌40'45		evening set	6514 Oct 26 17:12	18°♌27'34	
min. Earth dist.	6513 Nov 16 22:53	2°♌30'53	0.63384 AU	min. Earth dist.	6514 Oct 30 09:03	15°♌41'49	0.61451 AU
	6513 Nov 19 11:20	30°♌					

inferior conj	6514 Nov 02 10:34	12°♍59'21	-3°49'26	min. Earth dist.	6515 Oct 12 08:40	28°♊03'44	0.59382 AU
minimum elong	6514 Nov 02 17:04	12°♍44'54	3°47'26	inferior conj	6515 Oct 15 13:59	25°♊34'49	-4°45'45
morning rise	6514 Nov 09 19:02	8°♍02'58		minimum elong	6515 Oct 15 20:18	25°♊22'35	4°44'28
direct	6514 Nov 12 01:35	7°♍41'23		morning rise	6515 Oct 23 09:34	21°♊00'30	
asc. node	6514 Nov 14 22:28	8°♍17'10		direct	6515 Oct 25 16:56	20°♊41'44	
morning max el	6514 Nov 19 02:44	11°♍14'15	17°54'45	asc. node	6515 Nov 01 19:31	23°♊50'50	
	6514 Dec 01 13:46	0°♊		morning max el	6515 Nov 02 12:55	24°♊31'05	18°20'05
morning set	6514 Dec 04 20:17	5°♊56'11			6515 Nov 07 01:45	0°♍	
				morning set	6515 Nov 18 10:17	19°♍50'38	
					6515 Nov 23 18:28	0°♊	
superior conj	6514 Dec 15 08:17	24°♊44'15	0°36'57	superior conj	6515 Nov 27 14:55	7°♊09'31	1°07'11
minimum elong	6514 Dec 15 11:17	24°♊57'13	0°36'34	minimum elong	6515 Nov 27 18:37	7°♊26'23	1°06'47
	6514 Dec 18 09:54	0°♊		max. Earth dist.	6515 Dec 05 04:18	20°♊33'00	1.40784 AU
desc. node	6514 Dec 20 12:47	3°♊34'09		desc. node	6515 Dec 07 09:47	24°♊19'39	
max. Earth dist.	6514 Dec 22 19:15	7°♊19'46	1.42728 AU	evening rise	6515 Dec 09 18:08	28°♊13'34	
evening rise	6514 Dec 29 05:49	17°♊41'15			6515 Dec 10 20:09	0°♊	
	6515 Jan 06 05:54	0°♊			6515 Dec 30 20:10	0°♊	
	6515 Jan 28 02:32	0°♊		evening max el	6516 Jan 13 02:20	16°♊12'06	23°23'48
evening max el	6515 Jan 30 10:55	2°♊31'32	22°04'13	retrograde	6516 Jan 23 15:19	22°♊25'57	
retrograde	6515 Feb 08 20:59	8°♊07'05		evening set	6516 Jan 28 15:27	20°♊21'37	
asc. node	6515 Feb 10 21:39	7°♊45'37		asc. node	6516 Jan 28 18:43	20°♊14'39	
evening set	6515 Feb 13 09:01	6°♊18'02		min. Earth dist.	6516 Feb 02 13:30	14°♊36'26	0.68185 AU
inferior conj	6515 Feb 18 17:07	29°♊57'56	2°21'13	inferior conj	6516 Feb 03 01:19	13°♊55'52	1°40'55
minimum elong	6515 Feb 18 14:47	0°♊06'04	2°20'32	minimum elong	6516 Feb 02 23:18	14°♊02'49	1°40'13
min. Earth dist.	6515 Feb 18 16:46	29°♊59'08	0.68218 AU	morning rise	6516 Feb 08 07:04	7°♊49'53	
	6515 Feb 18 16:31	30°♊		direct	6516 Feb 12 12:59	6°♊09'21	
morning rise	6515 Feb 23 20:22	23°♊47'05		morning max el	6516 Feb 20 22:39	10°♊59'50	21°02'58
direct	6515 Feb 28 16:20	21°♊43'42		desc. node	6516 Mar 04 09:07	26°♊40'41	
morning max el	6515 Mar 10 06:32	27°♊22'44	22°25'43		6516 Mar 06 16:53	0°♊	
	6515 Mar 12 17:23	0°♊		morning set	6516 Mar 22 10:55	23°♊46'17	
desc. node	6515 Mar 18 12:07	7°♊05'33			6516 Mar 26 09:21	0°♊	
	6515 Apr 03 11:50	0°♊		max. Earth dist.	6516 Mar 30 03:03	6°♊02'13	1.42665 AU
morning set	6515 Apr 12 23:22	14°♊58'05					
max. Earth dist.	6515 Apr 17 23:45	23°♊18'10	1.40641 AU	superior conj	6516 Apr 06 06:12	17°♊55'18	-2°07'23
	6515 Apr 21 21:18	0°♊		minimum elong	6516 Apr 06 09:15	18°♊08'15	2°07'18
superior conj	6515 Apr 25 19:07	6°♊55'18	-1°51'02		6516 Apr 13 05:02	0°♊	
minimum elong	6515 Apr 26 00:24	7°♊19'05	1°50'35	evening rise	6516 Apr 17 21:00	8°♊19'31	
evening rise	6515 May 05 23:00	25°♊43'56		asc. node	6516 Apr 25 17:53	22°♊11'48	
	6515 May 08 05:38	0°♊			6516 Apr 30 18:28	0°♊	
asc. node	6515 May 09 20:51	3°♊01'38		evening max el	6516 May 04 13:14	4°♊31'43	18°06'33
evening max el	6515 May 22 01:59	21°♊32'04	18°20'42	retrograde	6516 May 11 04:24	7°♊55'10	
retrograde	6515 May 29 09:29	25°♊10'52		evening set	6516 May 13 19:07	7°♊23'39	
evening set	6515 May 31 17:04	24°♊49'50		inferior conj	6516 May 20 10:03	2°♊25'53	2°45'07
inferior conj	6515 Jun 08 00:50	20°♊12'39	1°47'21	minimum elong	6516 May 20 13:03	2°♊18'37	2°44'24
minimum elong	6515 Jun 08 03:57	20°♊06'08	1°46'19		6516 May 22 22:31	30°♊	
min. Earth dist.	6515 Jun 11 11:00	17°♊23'05	0.58741 AU	min. Earth dist.	6516 May 23 14:50	29°♊22'07	0.60958 AU
desc. node	6515 Jun 14 11:23	15°♊14'44		morning rise	6516 May 27 04:47	26°♊30'11	
morning rise	6515 Jun 15 11:42	14°♊39'38		desc. node	6516 May 31 08:24	24°♊36'00	
direct	6515 Jun 21 15:38	12°♊58'28		direct	6516 Jun 02 20:38	24°♊17'22	
morning max el	6515 Jul 06 00:50	20°♊44'13	27°14'35		6516 Jun 14 17:18	0°♊	
	6515 Jul 14 00:51	0°♊		morning max el	6516 Jun 17 03:04	2°♊15'00	27°50'35
	6515 Aug 01 06:30	0°♊			6516 Jul 07 10:05	0°♊	
morning set	6515 Aug 05 17:28	9°♊04'08		morning set	6516 Jul 19 22:01	23°♊28'08	
asc. node	6515 Aug 05 20:10	9°♊18'15		asc. node	6516 Jul 22 17:09	29°♊20'31	
					6516 Jul 23 00:33	0°♊	
superior conj	6515 Aug 12 18:40	24°♊23'41	1°06'22	max. Earth dist.	6516 Jul 25 21:26	6°♊13'02	1.31973 AU
minimum elong	6515 Aug 12 16:25	24°♊11'13	1°05'58				
max. Earth dist.	6515 Aug 12 11:32	23°♊44'09	1.31808 AU	superior conj	6516 Jul 27 05:31	9°♊09'04	0°45'14
	6515 Aug 15 07:29	0°♊		minimum elong	6516 Jul 27 03:40	8°♊58'54	0°44'50
evening rise	6515 Aug 19 13:46	9°♊14'50		evening rise	6516 Aug 03 00:33	24°♊00'16	
	6515 Aug 30 05:47	0°♊			6516 Aug 05 21:09	0°♊	
desc. node	6515 Sep 10 10:34	17°♊03'27			6516 Aug 23 19:26	0°♊	
evening max el	6515 Sep 17 19:11	25°♊20'26	26°25'10	desc. node	6516 Aug 27 07:35	4°♊05'40	
	6515 Sep 23 19:04	0°♊		evening max el	6516 Aug 29 12:07	6°♊19'10	25°07'12
retrograde	6515 Oct 01 17:37	2°♊27'21		retrograde	6516 Sep 12 09:39	13°♊20'27	
evening set	6515 Oct 08 09:13	0°♊38'29		evening set	6516 Sep 18 01:41	12°♊07'18	
	6515 Oct 09 12:17	30°♊					

min. Earth dist.	6516 Sep 22 23:33	9° Ω 25'35	0.57390 AU	min. Earth dist.	6517 Sep 04 09:45	19° Π 44'44	0.55771 AU
inferior conj	6516 Sep 25 22:05	7° Ω 27'44	-5°21'04	inferior conj	6517 Sep 06 10:01	18° Π 33'04	-5°18'06
minimum elong	6516 Sep 26 00:53	7° Ω 23'01	5°20'52	minimum elong	6517 Sep 06 06:06	18° Π 38'54	5°17'46
morning rise	6516 Oct 04 02:21	3° Ω 16'28		morning rise	6517 Sep 14 19:54	14° Π 39'44	
direct	6516 Oct 06 14:45	2° Ω 57'59		direct	6517 Sep 17 16:47	14° Π 19'29	
morning max el	6516 Oct 15 14:24	7° Ω 13'35	19°06'46	morning max el	6517 Sep 28 04:21	19° Π 12'39	20°15'38
asc. node	6516 Oct 18 16:31	10° Ω 37'58		asc. node	6517 Oct 05 13:31	28° Π 23'03	
	6516 Oct 30 06:38	0° Π			6517 Oct 06 14:13	0° Ω	
morning set	6516 Nov 01 09:40	4° Π 10'57		morning set	6517 Oct 16 15:17	18° Ω 47'53	
					6517 Oct 22 02:04	0° Π	
superior conj	6516 Nov 09 15:52	20° Π 27'50	1°27'33	superior conj	6517 Oct 24 06:09	4° Π 24'38	1°38'57
minimum elong	6516 Nov 09 18:44	20° Π 41'37	1°27'19	minimum elong	6517 Oct 24 07:36	4° Π 32'00	1°38'54
	6516 Nov 14 17:25	0° Σ					
max. Earth dist.	6516 Nov 16 10:00	3° Σ 04'34	1.38652 AU	max. Earth dist.	6517 Oct 29 16:17	15° Π 04'29	1.36584 AU
evening rise	6516 Nov 20 04:56	9° Σ 46'15		evening rise	6517 Nov 02 12:29	22° Π 15'01	
desc. node	6516 Nov 23 06:47	15° Σ 00'37			6517 Nov 06 21:12	0° Σ	
	6516 Dec 02 16:19	0° Σ		desc. node	6517 Nov 10 03:49	5° Σ 32'52	
evening max el	6516 Dec 25 15:32	29° Σ 55'51	24°42'27		6517 Nov 26 11:58	0° Σ	
	6516 Dec 25 17:13	0° \approx		evening max el	6517 Dec 08 04:13	13° Σ 40'56	25°53'15
retrograde	6517 Jan 06 05:51	6° \approx 41'25		retrograde	6517 Dec 20 15:47	20° Σ 48'15	
evening set	6517 Jan 11 19:00	4° \approx 22'44		evening set	6517 Dec 26 18:01	18° Σ 17'53	
asc. node	6517 Jan 14 15:46	1° \approx 23'00		min. Earth dist.	6517 Dec 31 00:55	13° Σ 41'30	0.66991 AU
	6517 Jan 15 18:10	30° Σ		inferior conj	6518 Jan 01 11:09	11° Σ 53'57	-0°01'23
min. Earth dist.	6517 Jan 16 08:56	29° Σ 11'44	0.67773 AU	minimum elong	6518 Jan 01 11:11	11° Σ 53'50	0°01'19
inferior conj	6517 Jan 17 07:56	27° Σ 55'27	0°53'08	transit middle	6518 Jan 01 11:11	11° Σ 53'50	0°01'19
minimum elong	6517 Jan 17 06:42	27° Σ 59'34	0°52'41	transit begin	6518 Jan 01 08:21	12° Σ 02'44	
morning rise	6517 Jan 22 18:34	21° Σ 56'07		transit end	6518 Jan 01 14:00	11° Σ 44'57	
direct	6517 Jan 26 11:26	20° Σ 37'28		asc. node	6518 Jan 01 12:47	11° Σ 48'48	
morning max el	6517 Feb 02 22:38	24° Σ 49'25	19°52'09	morning rise	6518 Jan 07 04:53	6° Σ 03'11	
	6517 Feb 07 11:05	0° \approx		direct	6518 Jan 10 10:15	5° Σ 03'42	
greatest brilliancy	6517 Feb 16 01:26	11° \approx 56'45	-0.6m	morning max el	6518 Jan 17 06:20	8° Σ 49'09	18°56'17
desc. node	6517 Feb 19 06:06	16° \approx 41'02			6518 Feb 01 14:54	0° \approx	
	6517 Feb 28 00:33	0° Σ		desc. node	6518 Feb 06 03:07	6° \approx 59'57	
morning set	6517 Mar 01 07:39	1° Σ 59'42		morning set	6518 Feb 08 14:19	10° \approx 50'42	
max. Earth dist.	6517 Mar 12 13:48	19° Σ 36'23	1.44238 AU		6518 Feb 20 20:36	0° Σ	
				max. Earth dist.	6518 Feb 23 05:54	3° Σ 44'38	1.45181 AU
superior conj	6517 Mar 17 16:03	27° Σ 47'35	-2°08'48	superior conj	6518 Feb 25 03:53	6° Σ 45'28	-1°50'39
minimum elong	6517 Mar 17 13:19	27° Σ 36'30	2°08'44	minimum elong	6518 Feb 24 19:14	6° Σ 11'23	1°49'58
	6517 Mar 19 00:35	0° Υ			6518 Mar 11 16:46	0° Υ	
evening rise	6517 Mar 31 00:10	20° Υ 02'55		evening rise	6518 Mar 12 04:48	0° Υ 48'52	
	6517 Apr 05 20:24	0° Σ		asc. node	6518 Mar 30 11:57	28° Υ 55'55	
asc. node	6517 Apr 12 14:55	10° Σ 52'48			6518 Mar 31 09:51	0° Σ	
evening max el	6517 Apr 18 02:15	17° Σ 48'28	18°11'31	evening max el	6518 Apr 01 14:16	1° Σ 16'01	18°34'52
retrograde	6517 Apr 24 11:51	21° Σ 11'26		retrograde	6518 Apr 08 03:27	4° Σ 51'26	
evening set	6517 Apr 27 09:13	20° Σ 27'51		evening set	6518 Apr 11 07:33	3° Σ 54'44	
inferior conj	6517 May 03 11:24	15° Σ 10'58	3°16'57		6518 Apr 15 15:06	30° Σ Υ	
minimum elong	6517 May 03 13:08	15° Σ 06'15	3°16'42	inferior conj	6518 Apr 17 00:51	28° Υ 20'26	3°28'23
min. Earth dist.	6517 May 06 03:41	12° Σ 16'22	0.63097 AU	minimum elong	6518 Apr 17 01:04	28° Υ 19'44	3°28'21
morning rise	6517 May 09 15:43	9° Σ 02'16		min. Earth dist.	6518 Apr 19 01:57	25° Υ 53'01	0.64960 AU
direct	6517 May 16 11:12	6° Σ 25'43		morning rise	6518 Apr 22 17:54	22° Υ 05'50	
desc. node	6517 May 18 05:25	6° Σ 35'16		direct	6518 Apr 29 09:47	19° Υ 17'49	
morning max el	6517 May 30 10:36	14° Σ 27'22	27°48'34	desc. node	6518 May 05 02:27	20° Υ 58'27	
	6517 Jun 12 00:34	0° Π		morning max el	6518 May 12 20:35	27° Υ 12'17	27°11'44
	6517 Jun 30 00:11	0° Σ			6518 May 15 11:37	0° Σ	
morning set	6517 Jul 03 20:11	7° Σ 30'10			6518 Jun 05 16:43	0° Π	
max. Earth dist.	6517 Jul 09 02:19	18° Σ 23'32	1.32582 AU	morning set	6518 Jun 17 09:09	21° Π 02'09	
asc. node	6517 Jul 09 14:09	19° Σ 26'38			6518 Jun 21 21:13	0° Σ	
superior conj	6517 Jul 11 13:31	23° Σ 41'24	0°20'15	max. Earth dist.	6518 Jun 21 22:18	0° Σ 05'32	1.33657 AU
minimum elong	6517 Jul 11 12:34	23° Σ 36'15	0°19'59	superior conj	6518 Jun 25 16:39	7° Σ 54'51	-0°07'56
	6517 Jul 14 11:11	0° Ω		minimum elong	6518 Jun 25 17:04	7° Σ 57'03	0°07'54
evening rise	6517 Jul 18 12:17	8° Ω 44'35		behind sun begin	6518 Jun 25 12:11	7° Σ 31'18	
	6517 Jul 29 12:01	0° Π		behind sun end	6518 Jun 25 21:57	8° Σ 22'49	
evening max el	6517 Aug 11 00:02	16° Π 42'01	23°31'35	asc. node	6518 Jun 26 11:11	9° Σ 32'43	
desc. node	6517 Aug 14 04:37	19° Π 27'53		evening rise	6518 Jul 02 23:09	23° Σ 22'01	
retrograde	6517 Aug 24 13:48	23° Π 30'22			6518 Jul 06 04:12	0° Ω	
evening set	6517 Aug 28 18:41	22° Π 51'36					

evening max el	6518 Jul 23 15:07	27°Ω02'22	21°54'42		6519 Jun 13 13:04	0°☿	
	6518 Jul 27 02:36	0°♊		evening rise	6519 Jun 17 07:08	7°☿46'47	
desc. node	6518 Aug 01 01:39	2°♊37'08			6519 Jun 29 09:12	0°Ω	
retrograde	6518 Aug 05 06:35	3°♊18'47		evening max el	6519 Jul 05 16:50	7°Ω51'46	20°29'47
evening set	6518 Aug 08 01:06	3°♊01'36		retrograde	6519 Jul 16 18:56	13°Ω18'56	
	6518 Aug 15 11:22	30°♊Ω		evening set	6519 Jul 18 19:01	13°Ω09'01	
inferior conj	6518 Aug 17 06:45	28°Ω59'38	-4°22'48	desc. node	6519 Jul 18 22:41	13°Ω07'28	
minimum elong	6518 Aug 16 21:49	29°Ω12'10	4°20'41	inferior conj	6519 Jul 28 00:11	9°Ω11'58	-2°41'10
min. Earth dist.	6518 Aug 16 19:17	29°Ω15'43	0.54855 AU	minimum elong	6519 Jul 27 16:51	9°Ω22'35	2°38'38
morning rise	6518 Aug 25 19:57	25°Ω09'41		min. Earth dist.	6519 Jul 29 06:03	8°Ω28'47	0.54867 AU
direct	6518 Aug 29 04:21	24°Ω44'56		morning rise	6519 Aug 05 13:56	5°Ω05'44	
	6518 Sep 09 19:01	0°♊		direct	6519 Aug 09 14:06	4°Ω31'09	
morning max el	6518 Sep 10 05:55	0°♊24'53	21°44'49	morning max el	6519 Aug 22 22:03	10°Ω58'27	23°27'34
asc. node	6518 Sep 22 10:32	16°♊52'59			6519 Sep 06 00:59	0°♊	
	6518 Sep 29 07:13	0°♊		asc. node	6519 Sep 09 07:34	5°♊56'52	
morning set	6518 Oct 01 00:44	3°♊34'43		morning set	6519 Sep 15 12:11	18°♊26'26	
					6519 Sep 20 21:02	0°♊	
superior conj	6518 Oct 08 05:46	18°♊48'01	1°42'35	superior conj	6519 Sep 22 11:44	3°♊29'04	1°39'31
minimum elong	6518 Oct 08 05:48	18°♊48'12	1°42'35	minimum elong	6519 Sep 22 10:36	3°♊22'59	1°39'28
max. Earth dist.	6518 Oct 12 04:38	26°♊56'33	1.34798 AU	max. Earth dist.	6519 Sep 25 01:54	9°♊01'10	1.33404 AU
	6518 Oct 13 17:16	0°♊		evening rise	6519 Sep 30 02:16	19°♊20'42	
evening rise	6518 Oct 16 12:55	5°♊29'54			6519 Oct 05 15:37	0°♊	
desc. node	6518 Oct 28 00:50	25°♊50'58		desc. node	6519 Oct 14 21:53	15°♊48'35	
	6518 Oct 30 15:09	0°♊			6519 Oct 24 18:05	0°♊	
evening max el	6518 Nov 20 17:13	27°♊21'19	26°48'49	evening max el	6519 Nov 03 05:50	10°♊47'13	27°21'46
	6518 Nov 23 16:30	0°♊		retrograde	6519 Nov 16 18:37	18°♊05'32	
retrograde	6518 Dec 03 20:20	4°♊38'49		evening set	6519 Nov 23 18:08	15°♊28'24	
evening set	6518 Dec 10 10:31	2°♊01'33		min. Earth dist.	6519 Nov 27 13:20	12°♊00'32	0.64383 AU
	6518 Dec 12 15:16	30°♊♊		inferior conj	6519 Nov 29 22:47	9°♊27'50	-2°06'22
min. Earth dist.	6518 Dec 14 11:08	27°♊59'59	0.65855 AU	minimum elong	6519 Nov 30 02:34	9°♊17'44	2°04'49
inferior conj	6518 Dec 16 08:53	25°♊46'27	-1°01'45	asc. node	6519 Dec 06 06:52	4°♊08'23	
minimum elong	6518 Dec 16 10:39	25°♊41'18	1°00'57	morning rise	6519 Dec 06 12:26	4°♊02'13	
asc. node	6518 Dec 19 09:50	22°♊26'50		direct	6519 Dec 09 01:03	3°♊29'37	
morning rise	6518 Dec 22 11:43	20°♊06'45		morning max el	6519 Dec 15 12:28	6°♊53'46	17°54'03
direct	6518 Dec 25 07:35	19°♊22'39			6519 Dec 30 23:43	0°♊	
morning max el	6518 Dec 31 19:49	22°♊52'44	18°16'42	morning set	6520 Jan 01 15:07	2°♊46'24	
	6519 Jan 06 13:36	0°♊		desc. node	6520 Jan 10 21:09	18°♊11'54	
morning set	6519 Jan 20 00:15	21°♊05'45					
desc. node	6519 Jan 24 00:08	27°♊31'36		superior conj	6520 Jan 14 23:31	24°♊51'18	-0°28'47
	6519 Jan 25 13:11	0°♊		minimum elong	6520 Jan 14 20:09	24°♊37'45	0°28'16
					6520 Jan 18 04:39	0°♊	
superior conj	6519 Feb 04 07:47	15°♊28'59	-1°14'17	max. Earth dist.	6520 Jan 19 20:18	2°♊37'12	1.44880 AU
minimum elong	6519 Feb 03 23:12	14°♊55'15	1°13'14	evening rise	6520 Jan 31 00:25	20°♊00'44	
max. Earth dist.	6519 Feb 06 00:56	18°♊10'23	1.45400 AU		6520 Feb 06 13:29	0°♊	
	6519 Feb 13 14:29	0°♊		greatest brilliancy	6520 Feb 14 18:46	12°♊16'37	-0.6m
evening rise	6519 Feb 20 10:35	10°♊41'03		evening max el	6520 Feb 27 02:55	28°♊24'53	20°11'42
greatest brilliancy	6519 Mar 03 17:28	28°♊14'21	-0.8m		6520 Feb 28 18:56	0°♊	
	6519 Mar 04 21:15	0°♊		asc. node	6520 Mar 03 06:05	2°♊20'19	
evening max el	6519 Mar 15 23:01	14°♊49'14	19°15'32	retrograde	6520 Mar 05 21:53	2°♊57'14	
asc. node	6519 Mar 17 09:01	16°♊09'40		evening set	6520 Mar 09 17:55	1°♊31'54	
retrograde	6519 Mar 22 23:40	18°♊48'24			6520 Mar 11 10:55	30°♊♊	
evening set	6519 Mar 26 11:12	17°♊37'44		inferior conj	6520 Mar 15 02:33	25°♊27'57	3°07'31
inferior conj	6519 Mar 31 22:51	11°♊47'39	3°24'08	minimum elong	6520 Mar 15 00:40	25°♊34'21	3°07'11
minimum elong	6519 Mar 31 21:49	11°♊50'59	3°24'02	min. Earth dist.	6520 Mar 15 22:01	24°♊22'01	0.67466 AU
min. Earth dist.	6519 Apr 02 08:38	9°♊58'32	0.66432 AU	morning rise	6520 Mar 20 07:12	19°♊12'46	
morning rise	6519 Apr 06 08:05	5°♊31'33		direct	6520 Mar 26 01:33	16°♊38'14	
direct	6519 Apr 12 14:57	2°♊44'58		morning max el	6520 Apr 06 15:26	23°♊33'53	24°45'53
desc. node	6519 Apr 21 23:29	7°♊13'11		desc. node	6520 Apr 07 20:31	24°♊49'28	
morning max el	6519 Apr 25 06:30	10°♊17'32	26°07'38		6520 Apr 12 08:36	0°♊	
	6519 May 10 20:52	0°♊			6520 May 03 06:08	0°♊	
	6519 May 29 06:20	0°♊		morning set	6520 May 12 15:40	15°♊51'18	
morning set	6519 May 31 09:17	3°♊53'42		max. Earth dist.	6520 May 16 06:22	22°♊21'37	1.37175 AU
max. Earth dist.	6519 Jun 04 07:05	11°♊18'49	1.35207 AU		6520 May 20 08:24	0°♊	
				superior conj	6520 May 22 22:00	4°♊56'56	-1°08'47
superior conj	6519 Jun 09 12:31	21°♊42'50	-0°38'09	minimum elong	6520 May 23 01:59	5°♊16'24	1°08'10
minimum elong	6519 Jun 09 14:41	21°♊53'50	0°37'47				
asc. node	6519 Jun 13 08:14	29°♊34'55					

asc. node	6520 May 30 05:17	19° Π 28'47		minimum elong	6521 May 05 22:27	17° \mathcal{B} 52'12	1°36'34
evening rise	6520 May 31 09:52	21° Π 51'56			6521 May 12 08:00	0° Π	
	6520 Jun 04 13:15	0° \mathcal{B}		evening rise	6521 May 15 04:27	5° Π 30'02	
evening max el	6520 Jun 17 07:18	19° \mathcal{B} 22'53	19°23'26	asc. node	6521 May 17 02:20	9° Π 10'13	
retrograde	6520 Jun 26 16:02	23° \mathcal{B} 58'51			6521 May 29 20:48	0° \mathcal{B}	
evening set	6520 Jun 28 13:54	23° \mathcal{B} 48'11		evening max el	6521 May 31 08:37	1° \mathcal{B} 35'15	18°37'40
desc. node	6520 Jul 04 19:45	21° \mathcal{B} 10'35		retrograde	6521 Jun 08 07:03	5° \mathcal{B} 30'50	
inferior conj	6520 Jul 07 04:36	19° \mathcal{B} 40'52	-0°42'55	evening set	6521 Jun 10 10:20	5° \mathcal{B} 14'43	
minimum elong	6520 Jul 07 02:42	19° \mathcal{B} 43'58	0°42'14	inferior conj	6521 Jun 18 05:13	0° \mathcal{B} 49'04	1°00'34
min. Earth dist.	6520 Jul 09 19:15	17° \mathcal{B} 59'24	0.55827 AU	minimum elong	6521 Jun 18 07:22	0° \mathcal{B} 44'58	0°59'46
morning rise	6520 Jul 15 12:48	15° \mathcal{B} 02'02			6521 Jun 19 06:51	30° \mathcal{R} Π	
direct	6520 Jul 20 09:03	14° \mathcal{B} 08'54		min. Earth dist.	6521 Jun 21 12:46	28° Π 18'48	0.57538 AU
morning max el	6520 Aug 03 11:03	21° \mathcal{B} 15'25	25°10'48	desc. node	6521 Jun 21 16:47	28° Π 11'34	
	6520 Aug 11 01:32	0° \mathcal{Q}		morning rise	6521 Jun 26 01:00	25° Π 33'31	
asc. node	6520 Aug 26 04:36	25° \mathcal{Q} 24'56		direct	6521 Jul 01 18:14	24° Π 11'45	
	6520 Aug 28 10:27	0° \mathcal{M}			6521 Jul 14 05:01	0° \mathcal{B}	
morning set	6520 Aug 29 23:50	3° \mathcal{M} 16'40		morning max el	6521 Jul 16 03:24	1° \mathcal{B} 46'41	26°37'44
					6521 Aug 05 06:02	0° \mathcal{Q}	
superior conj	6520 Sep 05 21:30	18° \mathcal{M} 18'52	1°30'38	asc. node	6521 Aug 13 01:37	15° \mathcal{Q} 10'36	
minimum elong	6520 Sep 05 19:35	18° \mathcal{M} 08'21	1°30'27	morning set	6521 Aug 14 10:06	18° \mathcal{Q} 00'49	
max. Earth dist.	6520 Sep 07 06:49	21° \mathcal{M} 21'11	1.32438 AU		6521 Aug 19 22:30	0° \mathcal{M}	
	6520 Sep 11 07:25	0° \mathcal{L}					
evening rise	6520 Sep 13 00:54	3° \mathcal{L} 36'05		superior conj	6521 Aug 21 09:05	3° \mathcal{M} 11'23	1°16'35
	6520 Sep 27 09:37	0° \mathcal{M}		minimum elong	6521 Aug 21 06:49	2° \mathcal{M} 58'51	1°16'15
desc. node	6520 Sep 30 18:54	5° \mathcal{M} 16'03		max. Earth dist.	6521 Aug 21 16:25	3° \mathcal{M} 51'57	1.31909 AU
evening max el	6520 Oct 15 15:47	23° \mathcal{M} 44'10	27°25'51	evening rise	6521 Aug 28 06:01	18° \mathcal{M} 08'19	
	6520 Oct 24 16:24	0° \mathcal{X}			6521 Sep 03 03:14	0° \mathcal{L}	
retrograde	6520 Oct 29 10:02	0° \mathcal{X} 58'50		desc. node	6521 Sep 17 15:56	24° \mathcal{L} 01'18	
	6520 Nov 02 22:27	30° \mathcal{R} \mathcal{M}			6521 Sep 22 06:52	0° \mathcal{M}	
evening set	6520 Nov 05 13:42	28° \mathcal{M} 31'11		evening max el	6521 Sep 27 20:26	5° \mathcal{M} 59'18	26°56'51
min. Earth dist.	6520 Nov 09 05:26	25° \mathcal{M} 32'51	0.62598 AU	retrograde	6521 Oct 11 17:49	13° \mathcal{M} 09'34	
inferior conj	6520 Nov 12 01:56	22° \mathcal{M} 50'17	-3°12'31	evening set	6521 Oct 18 17:10	11° \mathcal{M} 02'54	
minimum elong	6520 Nov 12 07:40	22° \mathcal{M} 36'37	3°10'30	min. Earth dist.	6521 Oct 22 10:41	8° \mathcal{M} 24'11	0.60579 AU
morning rise	6520 Nov 19 03:29	17° \mathcal{M} 42'21		inferior conj	6521 Oct 25 14:58	5° \mathcal{M} 45'08	-4°14'58
direct	6520 Nov 21 11:29	17° \mathcal{M} 17'36		minimum elong	6521 Oct 25 21:42	5° \mathcal{M} 31'01	4°13'10
asc. node	6520 Nov 22 03:55	17° \mathcal{M} 19'47		morning rise	6521 Nov 02 04:25	0° \mathcal{M} 58'12	
morning max el	6520 Nov 28 05:15	20° \mathcal{M} 44'30	17°49'10	direct	6521 Nov 04 10:52	0° \mathcal{M} 38'09	
	6520 Dec 05 04:09	0° \mathcal{X}		asc. node	6521 Nov 09 00:57	2° \mathcal{M} 04'09	
morning set	6520 Dec 14 05:06	15° \mathcal{X} 33'18		morning max el	6521 Nov 11 18:53	4° \mathcal{M} 16'33	18°03'06
	6520 Dec 22 11:01	0° \mathcal{Z}		morning set	6521 Nov 27 11:50	29° \mathcal{M} 07'13	
					6521 Nov 27 23:11	0° \mathcal{X}	
superior conj	6520 Dec 25 15:35	5° \mathcal{Z} 25'27	0°15'07				
minimum elong	6520 Dec 25 17:02	5° \mathcal{Z} 31'34	0°14'57	superior conj	6521 Dec 07 09:19	17° \mathcal{X} 13'50	0°51'00
behind sun begin	6520 Dec 25 13:43	5° \mathcal{Z} 17'36		minimum elong	6521 Dec 07 12:52	17° \mathcal{X} 29'33	0°50'34
behind sun end	6520 Dec 25 20:21	5° \mathcal{Z} 45'32		desc. node	6521 Dec 14 15:09	29° \mathcal{X} 43'14	
desc. node	6520 Dec 27 18:10	8° \mathcal{Z} 56'57			6521 Dec 14 19:09	0° \mathcal{Z}	
max. Earth dist.	6521 Jan 01 13:02	16° \mathcal{Z} 47'15	1.43677 AU	max. Earth dist.	6521 Dec 15 00:48	0° \mathcal{Z} 23'35	1.41937 AU
evening rise	6521 Jan 09 12:11	29° \mathcal{Z} 22'47		evening rise	6521 Dec 20 12:42	9° \mathcal{Z} 22'35	
	6521 Jan 09 21:48	0° \mathcal{A}			6522 Jan 03 00:26	0° \mathcal{A}	
	6521 Jan 30 06:46	0° \mathcal{H}		evening max el	6522 Jan 22 18:34	25° \mathcal{A} 39'38	22°37'42
evening max el	6521 Feb 09 01:15	12° \mathcal{H} 01'31	21°20'29		6522 Jan 27 23:53	0° \mathcal{H}	
retrograde	6521 Feb 17 19:58	17° \mathcal{H} 13'28		retrograde	6522 Feb 01 16:12	1° \mathcal{H} 32'31	
asc. node	6521 Feb 18 03:08	17° \mathcal{H} 13'00		asc. node	6522 Feb 05 00:11	0° \mathcal{H} 35'24	
evening set	6521 Feb 22 01:49	15° \mathcal{H} 32'58			6522 Feb 05 21:28	30° \mathcal{R} \mathcal{A}	
inferior conj	6521 Feb 27 09:34	9° \mathcal{H} 17'42	2°40'44	evening set	6522 Feb 06 09:14	29° \mathcal{A} 36'47	
minimum elong	6521 Feb 27 07:16	9° \mathcal{H} 25'41	2°40'08	inferior conj	6522 Feb 11 17:53	23° \mathcal{A} 13'31	2°05'05
min. Earth dist.	6521 Feb 27 16:04	8° \mathcal{H} 55'12	0.68061 AU	minimum elong	6522 Feb 11 15:37	23° \mathcal{A} 21'22	2°04'22
morning rise	6521 Mar 04 12:34	3° \mathcal{H} 04'57		min. Earth dist.	6522 Feb 11 12:30	23° \mathcal{A} 32'09	0.68249 AU
direct	6521 Mar 09 16:44	0° \mathcal{H} 49'20		morning rise	6522 Feb 16 21:54	17° \mathcal{A} 04'31	
morning max el	6521 Mar 20 00:44	6° \mathcal{H} 57'32	23°16'43	direct	6522 Feb 21 11:41	15° \mathcal{A} 11'04	
desc. node	6521 Mar 25 17:32	13° \mathcal{H} 24'19		morning max el	6522 Mar 02 13:25	20° \mathcal{A} 29'00	21°49'20
	6521 Apr 06 22:07	0° \mathcal{Y}			6522 Mar 10 14:22	0° \mathcal{H}	
morning set	6521 Apr 23 22:35	26° \mathcal{Y} 40'38		desc. node	6522 Mar 12 14:31	2° \mathcal{H} 40'49	
	6521 Apr 25 21:43	0° \mathcal{B}			6522 Mar 31 03:45	0° \mathcal{Y}	
max. Earth dist.	6521 Apr 28 02:20	3° \mathcal{B} 46'34	1.39372 AU	morning set	6522 Apr 04 01:27	6° \mathcal{Y} 10'28	
				max. Earth dist.	6522 Apr 10 01:15	15° \mathcal{Y} 56'58	1.41540 AU
superior conj	6521 May 05 17:11	17° \mathcal{B} 27'46	-1°37'11				

superior conj	6522 Apr 17 17:16	29° Υ 03'20	-1°59'25	superior conj	6523 Mar 29 17:49	9° Υ 34'48	-2°10'09
minimum elong	6522 Apr 17 22:02	29° Υ 24'15	1°59'08	minimum elong	6523 Mar 29 18:47	9° Υ 38'48	2°10'10
	6522 Apr 18 06:10	0° \mathcal{B}			6523 Apr 10 15:25	0° \mathcal{B}	
evening rise	6522 Apr 28 11:09	18° \mathcal{B} 30'54		evening rise	6523 Apr 11 01:40	0° \mathcal{B} 45'03	
asc. node	6522 May 03 23:21	28° \mathcal{B} 33'22		asc. node	6523 Apr 20 20:23	17° \mathcal{B} 32'01	
	6522 May 04 19:00	0° Π		evening max el	6523 Apr 28 05:41	27° \mathcal{B} 28'10	18°06'23
evening max el	6522 May 14 17:16	14° Π 20'08	18°12'17		6523 May 01 13:27	0° Π	
retrograde	6522 May 21 16:36	17° Π 50'42		retrograde	6523 May 04 17:14	0° Π 49'26	
evening set	6522 May 24 03:08	17° Π 25'38		evening set	6523 May 07 10:49	0° Π 12'59	
inferior conj	6522 May 31 03:18	12° Π 39'44	2°15'20		6523 May 07 21:51	30° \mathcal{R} \mathcal{B}	
minimum elong	6522 May 31 06:35	12° Π 32'24	2°14'23	inferior conj	6523 May 13 19:52	25° \mathcal{B} 07'11	3°01'24
min. Earth dist.	6522 Jun 03 12:27	9° Π 40'47	0.59674 AU	minimum elong	6523 May 13 22:24	25° \mathcal{B} 00'43	3°00'55
morning rise	6522 Jun 07 07:11	6° Π 55'22		min. Earth dist.	6523 May 16 20:04	22° \mathcal{B} 04'26	0.61900 AU
desc. node	6522 Jun 08 13:48	6° Π 14'15		morning rise	6523 May 20 08:09	19° \mathcal{B} 04'59	
direct	6522 Jun 13 17:06	5° Π 00'01		desc. node	6523 May 26 10:50	16° \mathcal{B} 41'40	
morning max el	6522 Jun 28 01:58	12° Π 52'47	27°34'31	direct	6523 May 27 02:44	16° \mathcal{B} 40'20	
	6522 Jul 11 15:28	0° \mathcal{E}		morning max el	6523 Jun 10 06:32	24° \mathcal{B} 41'03	27°54'09
	6522 Jul 28 11:36	0° \mathcal{Q}			6523 Jun 15 02:28	0° Π	
morning set	6522 Jul 29 17:15	2° \mathcal{Q} 33'30			6523 Jul 05 01:00	0° \mathcal{E}	
asc. node	6522 Jul 30 22:38	5° \mathcal{Q} 08'02		morning set	6523 Jul 13 19:20	16° \mathcal{E} 48'39	
max. Earth dist.	6522 Aug 05 03:06	16° \mathcal{Q} 23'36	1.31817 AU	asc. node	6523 Jul 17 19:38	25° \mathcal{E} 12'19	
				max. Earth dist.	6523 Jul 19 11:06	28° \mathcal{E} 44'42	1.32171 AU
					6523 Jul 20 00:59	0° \mathcal{Q}	
superior conj	6522 Aug 05 20:42	18° \mathcal{Q} 00'50	0°57'54				
minimum elong	6522 Aug 05 18:33	17° \mathcal{Q} 49'01	0°57'30	superior conj	6523 Jul 21 06:34	2° \mathcal{Q} 41'18	0°35'04
	6522 Aug 11 07:33	0° \mathcal{P}		minimum elong	6523 Jul 21 05:02	2° \mathcal{Q} 32'57	0°34'42
evening rise	6522 Aug 12 15:17	2° \mathcal{P} 50'23		evening rise	6523 Jul 28 02:41	17° \mathcal{Q} 35'50	
	6522 Aug 27 02:49	0° \mathcal{A}			6523 Aug 03 04:24	0° \mathcal{P}	
desc. node	6522 Sep 04 12:58	11° \mathcal{A} 47'38		desc. node	6523 Aug 22 10:01	28° \mathcal{P} 11'11	
evening max el	6522 Sep 09 17:41	17° \mathcal{A} 25'22	25°55'08	evening max el	6523 Aug 22 07:57	28° \mathcal{P} 06'15	24°27'54
retrograde	6522 Sep 23 16:36	24° \mathcal{A} 31'07			6523 Aug 24 10:40	0° \mathcal{A}	
evening set	6522 Sep 29 23:42	22° \mathcal{A} 56'47		retrograde	6523 Sep 05 03:48	5° \mathcal{A} 03'29	
min. Earth dist.	6522 Oct 04 06:20	20° \mathcal{A} 21'20	0.58498 AU	evening set	6523 Sep 10 05:33	4° \mathcal{A} 06'14	
inferior conj	6522 Oct 07 10:27	18° \mathcal{A} 03'15	-5°04'20	min. Earth dist.	6523 Sep 15 19:02	1° \mathcal{A} 15'33	0.56626 AU
minimum elong	6522 Oct 07 15:46	17° \mathcal{A} 53'34	5°03'31		6523 Sep 17 18:52	30° \mathcal{R} \mathcal{P}	
morning rise	6522 Oct 15 10:09	13° \mathcal{A} 39'07		inferior conj	6523 Sep 18 09:52	29° \mathcal{P} 36'04	-5°25'39
direct	6522 Oct 17 18:56	13° \mathcal{A} 20'55		minimum elong	6523 Sep 18 10:02	29° \mathcal{P} 35'48	5°25'38
morning max el	6522 Oct 26 01:52	17° \mathcal{A} 20'24	18°37'21	morning rise	6523 Sep 26 16:47	25° \mathcal{P} 33'11	
asc. node	6522 Oct 26 21:58	18° \mathcal{A} 10'54		direct	6523 Sep 29 08:20	25° \mathcal{P} 14'12	
	6522 Nov 04 04:13	0° \mathcal{M}		morning max el	6523 Oct 08 22:42	29° \mathcal{P} 45'04	19°33'23
morning set	6522 Nov 11 06:18	13° \mathcal{M} 13'56			6523 Oct 09 04:57	0° \mathcal{A}	
	6522 Nov 19 23:36	0° \mathcal{X}		asc. node	6523 Oct 13 18:59	5° \mathcal{A} 24'18	
				morning set	6523 Oct 26 08:40	27° \mathcal{A} 42'05	
superior conj	6522 Nov 20 00:26	0° \mathcal{X} 03'54	1°16'59		6523 Oct 27 12:03	0° \mathcal{M}	
minimum elong	6522 Nov 20 03:54	0° \mathcal{X} 20'06	1°16'38				
max. Earth dist.	6522 Nov 27 07:35	13° \mathcal{X} 17'00	1.39877 AU	superior conj	6523 Nov 03 07:35	13° \mathcal{M} 39'43	1°33'24
evening rise	6522 Dec 01 10:35	20° \mathcal{X} 20'59		minimum elong	6523 Nov 03 09:53	13° \mathcal{M} 51'02	1°33'16
desc. node	6522 Dec 01 12:09	20° \mathcal{X} 27'34		max. Earth dist.	6523 Nov 09 12:47	25° \mathcal{M} 32'14	1.37749 AU
	6522 Dec 07 08:26	0° \mathcal{Z}			6523 Nov 11 23:33	0° \mathcal{X}	
	6522 Dec 28 04:49	0° \approx		evening rise	6523 Nov 13 06:39	2° \mathcal{X} 18'41	
evening max el	6523 Jan 05 08:45	9° \approx 21'50	23°57'44	desc. node	6523 Nov 18 09:10	11° \mathcal{X} 05'25	
retrograde	6523 Jan 16 09:11	15° \approx 50'54			6523 Nov 30 12:02	0° \mathcal{Z}	
evening set	6523 Jan 21 14:39	13° \approx 40'25		evening max el	6523 Dec 18 21:47	23° \mathcal{Z} 07'18	25°14'01
asc. node	6523 Jan 22 21:12	12° \approx 28'03			6523 Dec 30 00:08	0° \approx	
min. Earth dist.	6523 Jan 26 09:07	8° \approx 09'27	0.68054 AU	retrograde	6523 Dec 30 21:49	0° \approx 03'08	
inferior conj	6523 Jan 27 01:40	7° \approx 13'15	1°21'33		6523 Dec 31 19:05	30° \mathcal{R} \mathcal{Z}	
minimum elong	6523 Jan 26 23:55	7° \approx 19'12	1°20'56	evening set	6524 Jan 05 16:28	27° \mathcal{Z} 39'24	
morning rise	6523 Feb 01 09:11	1° \approx 09'37		asc. node	6524 Jan 09 18:14	23° \mathcal{Z} 12'21	
	6523 Feb 03 10:19	30° \mathcal{R} \mathcal{Z}		min. Earth dist.	6524 Jan 10 03:26	22° \mathcal{Z} 42'51	0.67486 AU
direct	6523 Feb 05 09:20	29° \mathcal{Z} 38'37		inferior conj	6524 Jan 11 07:05	21° \mathcal{Z} 12'59	0°30'50
	6523 Feb 07 10:21	0° \approx		minimum elong	6524 Jan 11 06:20	21° \mathcal{Z} 15'28	0°30'34
morning max el	6523 Feb 13 08:44	4° \approx 11'44	20°31'03	morning rise	6524 Jan 16 20:27	15° \mathcal{Z} 16'47	
desc. node	6523 Feb 27 11:30	22° \approx 27'58		direct	6524 Jan 20 08:17	14° \mathcal{Z} 06'31	
	6523 Mar 04 14:07	0° \mathcal{H}		morning max el	6524 Jan 27 12:02	18° \mathcal{Z} 05'40	19°26'24
morning set	6523 Mar 14 04:07	14° \mathcal{H} 36'07			6524 Feb 05 21:22	0° \approx	
max. Earth dist.	6523 Mar 23 07:10	29° \mathcal{H} 01'29	1.43406 AU	greatest brilliancy	6524 Feb 09 13:03	5° \approx 21'25	-0.7m
	6523 Mar 23 21:40	0° \mathcal{Y}		desc. node	6524 Feb 14 08:30	12° \approx 37'02	

morning set	6524 Feb 21 02:04	22° \approx 57'03		6525 Jan 07 10:20	0° Z	
	6524 Feb 25 15:16	0° H		morning max el	6525 Jan 09 22:27	2° Z 07'23 18°37'26
max. Earth dist.	6524 Mar 04 20:38	12° H 52'56 1.44732 AU			6525 Jan 29 07:27	0° \approx
				morning set	6525 Jan 30 19:15	2° \approx 21'19
superior conj	6524 Mar 08 17:28	19° H 01'43 -2°03'36		desc. node	6525 Jan 31 05:30	3° \approx 01'50
minimum elong	6524 Mar 08 11:50	18° H 39'14 2°03'20				
	6524 Mar 15 12:23	0° Y		superior conj	6525 Feb 15 23:31	27° \approx 46'32 -1°37'03
evening rise	6524 Mar 22 19:36	12° Y 04'31		minimum elong	6525 Feb 15 13:58	27° \approx 09'08 1°36'06
	6524 Apr 02 16:36	0° B		max. Earth dist.	6525 Feb 15 14:56	27° \approx 12'55 1.45369 AU
asc. node	6524 Apr 06 17:25	5° B 58'29			6525 Feb 17 09:33	0° H
evening max el	6524 Apr 10 18:41	10° B 51'09 18°19'15		evening rise	6525 Mar 03 14:15	22° H 26'40
retrograde	6524 Apr 17 04:34	14° B 17'28			6525 Mar 08 07:47	0° Y
evening set	6524 Apr 20 04:53	13° B 28'15		greatest brilliancy	6525 Mar 11 19:46	5° Y 33'55 -0.8m
inferior conj	6524 Apr 26 02:51	8° B 03'48 3°23'56		asc. node	6525 Mar 24 14:29	23° Y 42'21
minimum elong	6524 Apr 26 03:56	8° B 00'42 3°23'50		evening max el	6525 Mar 25 05:35	24° Y 21'48 18°50'05
min. Earth dist.	6524 Apr 28 12:49	5° B 19'08 0.63941 AU		retrograde	6525 Mar 31 22:38	28° Y 05'59
morning rise	6524 May 02 02:00	1° B 52'12		evening set	6525 Apr 04 05:50	27° Y 03'16
	6524 May 05 01:10	30° R Y		inferior conj	6525 Apr 09 20:21	21° Y 21'46 3°28'17
direct	6524 May 08 20:53	29° Y 09'14		minimum elong	6525 Apr 09 20:00	21° Y 22'50 3°28'15
desc. node	6524 May 12 07:52	29° Y 46'18		min. Earth dist.	6525 Apr 11 14:44	19° Y 10'04 0.65639 AU
	6524 May 12 22:35	0° B		morning rise	6525 Apr 15 09:41	15° Y 06'14
morning max el	6524 May 22 15:18	7° B 08'30 27°36'43		direct	6525 Apr 21 22:11	12° Y 17'42
	6524 Jun 09 04:02	0° II		desc. node	6525 Apr 29 04:54	15° Y 01'18
	6524 Jun 26 06:03	0° E		morning max el	6525 May 05 01:38	20° Y 04'10 26°47'20
morning set	6524 Jun 26 14:00	0° E 39'20			6525 May 13 13:44	0° B
max. Earth dist.	6524 Jul 01 12:42	10° E 44'44 1.32985 AU			6525 Jun 02 06:12	0° II
asc. node	6524 Jul 03 16:40	15° E 19'20		morning set	6525 Jun 09 22:02	13° II 55'40
				max. Earth dist.	6525 Jun 14 04:24	22° II 15'32 1.34268 AU
					6525 Jun 17 23:35	0° E
superior conj	6524 Jul 04 12:49	17° E 07'04 0°08'39				
minimum elong	6524 Jul 04 12:23	17° E 04'46 0°08'30		superior conj	6525 Jun 18 13:11	1° E 10'37 -0°20'34
behind sun begin	6524 Jul 04 07:48	16° E 40'12		minimum elong	6525 Jun 18 14:19	1° E 16'27 0°20'23
behind sun end	6524 Jul 04 16:59	17° E 29'23		asc. node	6525 Jun 20 13:41	5° E 24'20
	6524 Jul 10 12:18	0° Q		evening rise	6525 Jun 26 00:16	16° E 51'57
evening rise	6524 Jul 11 14:21	2° Q 18'44			6525 Jul 02 14:24	0° Q
	6524 Jul 26 20:00	0° M		evening max el	6525 Jul 15 15:04	18° Q 53'22 21°16'25
evening max el	6524 Aug 02 20:18	8° M 24'27 22°49'38		desc. node	6525 Jul 26 04:07	24° Q 45'14
desc. node	6524 Aug 08 07:03	12° M 41'34		retrograde	6525 Jul 27 15:52	24° Q 50'35
retrograde	6524 Aug 16 02:13	15° M 01'04		evening set	6525 Jul 30 00:20	24° Q 37'45
evening set	6524 Aug 19 15:35	14° M 33'23		inferior conj	6525 Aug 08 07:47	20° Q 39'19 -3°43'57
min. Earth dist.	6524 Aug 27 04:24	11° M 11'50 0.55282 AU		minimum elong	6525 Aug 07 22:42	20° Q 52'04 3°41'17
inferior conj	6524 Aug 28 14:21	10° M 23'13 -5°01'19		min. Earth dist.	6525 Aug 08 13:55	20° Q 30'42 0.54744 AU
minimum elong	6524 Aug 28 07:40	10° M 32'48 5°00'19		morning rise	6525 Aug 16 21:48	16° Q 45'19
morning rise	6524 Sep 06 01:50	6° M 33'36		direct	6525 Aug 20 12:16	16° Q 17'23
direct	6524 Sep 09 03:35	6° M 11'39		morning max el	6525 Sep 02 04:07	22° Q 17'17 22°27'37
morning max el	6524 Sep 20 07:10	11° M 23'40 20°51'20			6525 Sep 08 20:49	0° M
asc. node	6524 Sep 29 16:01	23° M 30'05		asc. node	6525 Sep 16 13:03	12° M 15'24
	6524 Oct 03 09:27	0° E		morning set	6525 Sep 24 02:43	27° M 13'40
morning set	6524 Oct 09 16:12	12° E 24'08			6525 Sep 25 10:11	0° E
superior conj	6524 Oct 17 02:15	27° E 48'52 1°41'21		superior conj	6525 Oct 01 04:54	12° E 20'39 1°42'02
minimum elong	6524 Oct 17 03:06	27° E 53'10 1°41'22		minimum elong	6525 Oct 01 04:24	12° E 18'00 1°42'02
	6524 Oct 18 03:56	0° M		max. Earth dist.	6525 Oct 04 13:36	19° E 23'16 1.34150 AU
max. Earth dist.	6524 Oct 21 21:31	7° M 27'30 1.35785 AU		evening rise	6525 Oct 09 04:14	28° E 39'01
evening rise	6524 Oct 25 21:54	15° M 08'09			6525 Oct 09 20:55	0° M
	6524 Nov 03 07:57	0° J		desc. node	6525 Oct 22 03:15	21° M 42'36
desc. node	6524 Nov 04 06:12	1° J 32'17			6525 Oct 27 12:12	0° J
	6524 Nov 24 03:25	0° Z		evening max el	6525 Nov 12 23:34	20° J 26'28 27°05'59
evening max el	6524 Nov 30 10:44	6° Z 51'32 26°19'12		retrograde	6525 Nov 26 07:14	27° J 45'21
retrograde	6524 Dec 13 05:18	14° Z 03'37		evening set	6525 Dec 03 02:01	25° J 06'49
evening set	6524 Dec 19 12:57	11° Z 29'40		min. Earth dist.	6525 Dec 07 00:04	21° J 20'13 0.65267 AU
min. Earth dist.	6524 Dec 23 17:10	7° Z 08'14 0.66555 AU		inferior conj	6525 Dec 09 02:56	18° J 57'21 -1°28'46
inferior conj	6524 Dec 25 08:14	5° Z 09'07 -0°26'19		minimum elong	6525 Dec 09 05:32	18° J 50'02 1°27'38
minimum elong	6524 Dec 25 08:56	5° Z 06'56 0°25'58		asc. node	6525 Dec 13 12:21	14° J 35'33
asc. node	6524 Dec 26 15:18	3° Z 35'44		morning rise	6525 Dec 15 10:13	13° J 23'36
	6524 Dec 30 06:51	30° R J		direct	6525 Dec 18 02:43	12° J 44'54
morning rise	6524 Dec 31 05:35	29° J 22'46		morning max el	6525 Dec 24 13:43	16° J 11'08 18°05'03
direct	6525 Jan 03 06:46	28° J 30'09				

	6526 Jan 03 15:13	0°♁	morning rise	6526 Nov 29 07:15	27°♁13'06	
morning set	6526 Jan 11 17:55	13°♁14'28	asc. node	6526 Nov 30 09:24	26°♁53'12	
desc. node	6526 Jan 18 02:31	23°♁37'46	direct	6526 Dec 01 17:25	26°♁44'25	
	6526 Jan 22 01:27	0°♁		6526 Dec 08 03:11	0°♁	
			morning max el	6526 Dec 08 06:50	0°♁08'59	17°49'48
superior conj	6526 Jan 26 06:12	6°♁40'50 -0°55'25	morning set	6526 Dec 24 19:23	25°♁25'22	
minimum elong	6526 Jan 25 23:32	6°♁14'29 0°54'30		6526 Dec 27 11:13	0°♁	
max. Earth dist.	6526 Jan 29 10:33	11°♁41'45 1.45259 AU	desc. node	6527 Jan 04 23:30	14°♁20'25	
	6526 Feb 10 04:30	0°♁				
evening rise	6526 Feb 11 11:59	2°♁01'51	superior conj	6527 Jan 06 07:28	16°♁31'48 -0°09'30	
greatest brilliancy	6526 Feb 24 16:13	22°♁12'19 -0.7m	minimum elong	6527 Jan 06 06:26	16°♁27'33 0°09'17	
	6526 Mar 02 01:36	0°♁	behind sun begin	6527 Jan 05 22:25	15°♁54'43	
evening max el	6526 Mar 08 12:21	7°♁56'19 19°37'37	behind sun end	6527 Jan 06 14:26	17°♁00'19	
asc. node	6526 Mar 11 11:33	10°♁31'30	max. Earth dist.	6527 Jan 12 04:32	26°♁01'27 1.44434 AU	
retrograde	6526 Mar 15 20:09	12°♁09'04		6527 Jan 14 16:45	0°♁	
evening set	6526 Mar 19 11:05	10°♁52'16	evening rise	6527 Jan 21 22:49	11°♁16'59	
inferior conj	6526 Mar 24 21:08	4°♁55'47 3°18'29		6527 Feb 03 08:43	0°♁	
minimum elong	6526 Mar 24 19:41	5°♁00'34 3°18'17	evening max el	6527 Feb 19 13:48	21°♁32'04 20°39'41	
min. Earth dist.	6526 Mar 26 00:37	3°♁24'48 0.66919 AU	asc. node	6527 Feb 26 08:37	26°♁10'39	
	6526 Mar 28 19:47	30°♁	retrograde	6527 Feb 27 18:34	26°♁21'10	
morning rise	6526 Mar 30 04:00	28°♁39'37	evening set	6527 Mar 03 18:29	24°♁49'39	
direct	6526 Apr 05 05:43	25°♁57'14	inferior conj	6527 Mar 09 02:30	18°♁40'34 2°57'19	
	6526 Apr 13 22:23	0°♁	minimum elong	6527 Mar 09 00:23	18°♁47'51 2°56'52	
desc. node	6526 Apr 16 01:54	1°♁54'20	min. Earth dist.	6527 Mar 09 16:21	17°♁53'00 0.67766 AU	
morning max el	6526 Apr 17 11:24	3°♁16'26 25°34'29	morning rise	6527 Mar 14 06:04	12°♁26'01	
	6526 May 07 19:32	0°♁	direct	6527 Mar 19 18:30	9°♁58'40	
morning set	6526 May 23 15:19	26°♁26'43	morning max el	6527 Mar 30 20:08	16°♁35'48 24°08'15	
	6526 May 25 13:43	0°♁	desc. node	6527 Apr 02 22:53	19°♁57'40	
max. Earth dist.	6526 May 27 08:52	3°♁22'18 1.36005 AU		6527 Apr 10 22:30	0°♁	
				6527 Apr 30 19:33	0°♁	
superior conj	6526 Jun 02 05:03	14°♁45'22 -0°51'14	morning set	6527 May 05 12:28	7°♁57'34	
minimum elong	6526 Jun 02 08:00	15°♁00'08 0°50'43	max. Earth dist.	6527 May 09 05:17	14°♁28'14 1.38091 AU	
asc. node	6526 Jun 07 10:44	25°♁23'40				
	6526 Jun 09 16:43	0°♁	superior conj	6527 May 16 08:58	27°♁42'35 -1°21'18	
evening rise	6526 Jun 10 06:21	1°♁09'32	minimum elong	6527 May 16 13:37	28°♁04'49 1°20'38	
	6526 Jun 27 22:15	0°♁		6527 May 17 13:37	0°♁	
evening max el	6526 Jun 27 22:09	29°♁59'45 19°58'57	evening rise	6527 May 25 05:59	15°♁04'14	
retrograde	6526 Jul 08 06:43	5°♁04'52	asc. node	6527 May 25 07:48	15°♁13'07	
evening set	6526 Jul 10 04:03	4°♁55'27		6527 Jun 02 04:33	0°♁	
desc. node	6526 Jul 13 01:10	4°♁07'50	evening max el	6527 Jun 10 17:43	11°♁50'17 19°01'29	
inferior conj	6526 Jul 19 04:20	0°♁55'29 -1°50'51	retrograde	6527 Jun 19 10:37	16°♁06'56	
minimum elong	6526 Jul 18 23:12	1°♁03'16 1°48'59	evening set	6527 Jun 21 10:16	15°♁54'30	
	6526 Jul 20 17:02	30°♁	inferior conj	6527 Jun 29 16:48	11°♁40'24 0°04'01	
min. Earth dist.	6526 Jul 21 01:49	29°♁46'52 0.55169 AU	minimum elong	6527 Jun 29 16:57	11°♁40'07 0°03'54	
morning rise	6526 Jul 27 16:34	26°♁36'19	transit middle	6527 Jun 29 16:57	11°♁40'07 0°03'54	
direct	6526 Aug 01 00:33	25°♁55'15	transit begin	6527 Jun 29 13:18	11°♁46'28	
	6526 Aug 11 14:10	0°♁	transit end	6527 Jun 29 20:37	11°♁33'45	
morning max el	6526 Aug 14 18:15	2°♁41'08 24°12'24	desc. node	6527 Jun 29 22:10	11°♁31'03	
	6526 Sep 02 15:19	0°♁	min. Earth dist.	6527 Jul 02 16:55	9°♁36'04 0.56483 AU	
asc. node	6526 Sep 03 10:03	1°♁30'23	morning rise	6527 Jul 07 20:23	6°♁45'28	
morning set	6526 Sep 08 14:24	12°♁05'13	direct	6527 Jul 13 01:59	5°♁40'53	
			morning max el	6527 Jul 27 08:00	13°♁01'28 25°50'34	
superior conj	6526 Sep 15 12:44	27°♁06'25 1°36'25		6527 Aug 09 15:09	0°♁	
minimum elong	6526 Sep 15 11:13	26°♁58'11 1°36'19	asc. node	6527 Aug 21 07:04	21°♁07'14	
	6526 Sep 16 20:47	0°♁	morning set	6527 Aug 24 01:41	26°♁54'06	
max. Earth dist.	6526 Sep 17 14:07	1°♁33'13 1.32934 AU		6527 Aug 25 12:24	0°♁	
evening rise	6526 Sep 22 21:53	12°♁41'11				
	6526 Oct 02 01:34	0°♁	superior conj	6527 Aug 30 23:33	11°♁59'05 1°25'17	
desc. node	6526 Oct 09 00:18	11°♁28'39	minimum elong	6527 Aug 30 21:26	11°♁47'24 1°25'01	
	6526 Oct 22 21:01	0°♁	max. Earth dist.	6527 Aug 31 21:21	13°♁59'07 1.32160 AU	
evening max el	6526 Oct 26 11:06	3°♁40'54 27°27'23	evening rise	6527 Sep 06 23:38	27°♁05'47	
retrograde	6526 Nov 09 02:56	10°♁59'01		6527 Sep 08 09:26	0°♁	
evening set	6526 Nov 16 04:56	8°♁24'22		6527 Sep 25 10:17	0°♁	
min. Earth dist.	6526 Nov 19 22:09	5°♁09'59 0.63648 AU	desc. node	6527 Sep 25 21:21	0°♁40'32	
inferior conj	6526 Nov 22 12:36	2°♁31'23 -2°34'33	evening max el	6527 Oct 08 19:16	16°♁22'38 27°17'45	
minimum elong	6526 Nov 22 17:16	2°♁19'30 2°32'44	retrograde	6527 Oct 22 15:24	23°♁35'34	
	6526 Nov 25 03:01	30°♁	evening set	6527 Oct 29 18:14	21°♁15'42	

min. Earth dist.	6527 Nov 02 09:55	18° \mathbb{M} 26'55	0.61756 AU	min. Earth dist.	6528 Oct 14 10:51	0° \mathbb{M} 56'53	0.59696 AU
inferior conj	6527 Nov 05 10:12	15° \mathbb{M} 44'03	-3°39'57		6528 Oct 15 16:17	30° \mathbb{R} \mathbb{A}	
minimum elong	6527 Nov 05 16:33	15° \mathbb{M} 29'40	3°37'55	inferior conj	6528 Oct 17 16:11	28° \mathbb{A} 24'53	-4°38'15
morning rise	6527 Nov 12 16:53	10° \mathbb{M} 44'27		minimum elong	6528 Oct 17 22:43	28° \mathbb{A} 11'58	4°36'48
direct	6527 Nov 14 23:42	10° \mathbb{M} 22'08		morning rise	6528 Oct 25 10:15	23° \mathbb{A} 47'11	
asc. node	6527 Nov 17 06:24	10° \mathbb{M} 45'09		direct	6528 Oct 27 17:19	23° \mathbb{A} 28'07	
morning max el	6527 Nov 21 22:40	13° \mathbb{M} 53'13	17°52'39	asc. node	6528 Nov 03 03:24	26° \mathbb{A} 06'12	
	6527 Dec 02 22:27	0° \mathbb{A}		morning max el	6528 Nov 04 09:50	27° \mathbb{A} 14'14	18°15'01
morning set	6527 Dec 07 17:15	8° \mathbb{A} 34'49			6528 Nov 06 21:38	0° \mathbb{M}	
				morning set	6528 Nov 20 05:31	22° \mathbb{M} 24'34	
superior conj	6527 Dec 18 10:45	27° \mathbb{A} 38'24	0°31'30		6528 Nov 24 05:47	0° \mathbb{A}	
minimum elong	6527 Dec 18 13:25	27° \mathbb{A} 49'55	0°31'10	superior conj	6528 Nov 29 14:13	9° \mathbb{A} 54'48	1°03'15
	6527 Dec 19 19:48	0° \mathbb{B}		minimum elong	6528 Nov 29 17:55	10° \mathbb{A} 11'36	1°02'49
desc. node	6527 Dec 22 20:31	5° \mathbb{B} 06'38		max. Earth dist.	6528 Dec 07 04:59	23° \mathbb{A} 18'14	1.41093 AU
max. Earth dist.	6527 Dec 25 19:02	9° \mathbb{B} 57'51	1.42993 AU	desc. node	6528 Dec 08 17:33	25° \mathbb{A} 52'39	
evening rise	6528 Jan 01 14:29	20° \mathbb{B} 51'48			6528 Dec 11 05:09	0° \mathbb{B}	
	6528 Jan 07 12:43	0° \mathbb{A}		evening rise	6528 Dec 11 23:36	1° \mathbb{B} 15'31	
	6528 Jan 28 20:10	0° \mathbb{H}			6528 Dec 30 23:03	0° \mathbb{A}	
evening max el	6528 Feb 02 09:56	5° \mathbb{H} 09'28	21°52'42	evening max el	6529 Jan 15 01:48	18° \mathbb{A} 49'38	23°11'50
retrograde	6528 Feb 11 15:54	10° \mathbb{H} 38'40		retrograde	6529 Jan 25 10:45	24° \mathbb{A} 58'07	
asc. node	6528 Feb 13 05:39	10° \mathbb{H} 25'43		evening set	6529 Jan 30 09:04	22° \mathbb{A} 55'53	
evening set	6528 Feb 16 02:19	8° \mathbb{H} 51'51		asc. node	6529 Jan 30 02:40	23° \mathbb{A} 08'59	
inferior conj	6528 Feb 21 10:17	2° \mathbb{H} 33'00	2°26'36	inferior conj	6529 Feb 04 18:34	16° \mathbb{A} 30'40	1°47'31
minimum elong	6528 Feb 21 07:56	2° \mathbb{H} 41'09	2°25'57	minimum elong	6529 Feb 04 16:28	16° \mathbb{A} 37'54	1°46'49
min. Earth dist.	6528 Feb 21 11:42	2° \mathbb{H} 28'05	0.68192 AU	min. Earth dist.	6529 Feb 04 08:23	17° \mathbb{A} 05'46	0.68215 AU
	6528 Feb 23 07:07	30° \mathbb{R} \mathbb{A}		morning rise	6529 Feb 09 23:48	10° \mathbb{A} 23'59	
morning rise	6528 Feb 26 13:23	26° \mathbb{A} 21'39		direct	6529 Feb 14 07:44	8° \mathbb{A} 40'09	
direct	6528 Mar 02 11:31	24° \mathbb{A} 14'59		morning max el	6529 Feb 22 21:22	13° \mathbb{A} 37'20	21°14'39
	6528 Mar 12 05:39	0° \mathbb{H}		desc. node	6529 Mar 06 16:52	28° \mathbb{A} 22'22	
morning max el	6528 Mar 12 06:10	0° \mathbb{H} 01'19	22°38'46		6529 Mar 07 20:35	0° \mathbb{H}	
desc. node	6528 Mar 19 19:52	8° \mathbb{H} 51'36		morning set	6529 Mar 25 22:56	27° \mathbb{H} 11'17	
	6528 Apr 03 18:16	0° \mathbb{Y}			6529 Mar 27 17:35	0° \mathbb{Y}	
morning set	6528 Apr 15 07:39	18° \mathbb{Y} 12'56		max. Earth dist.	6529 Apr 02 03:52	8° \mathbb{Y} 45'47	1.42385 AU
max. Earth dist.	6528 Apr 20 01:31	26° \mathbb{Y} 09'13	1.40314 AU				
	6528 Apr 22 07:12	0° \mathbb{B}		superior conj	6529 Apr 09 11:13	21° \mathbb{Y} 01'02	-2°05'44
superior conj	6528 Apr 27 20:38	9° \mathbb{B} 51'30	-1°47'39	minimum elong	6529 Apr 09 14:50	21° \mathbb{Y} 16'33	2°05'36
minimum elong	6528 Apr 28 02:00	10° \mathbb{B} 15'48	1°47'09		6529 Apr 14 14:52	0° \mathbb{B}	
evening rise	6528 May 07 19:58	28° \mathbb{B} 27'27		evening rise	6529 Apr 20 20:22	11° \mathbb{B} 10'05	
	6528 May 08 15:32	0° \mathbb{H}		asc. node	6529 Apr 28 01:52	24° \mathbb{B} 01'28	
asc. node	6528 May 11 04:50	4° \mathbb{H} 47'32			6529 May 01 18:01	0° \mathbb{H}	
evening max el	6528 May 23 22:41	24° \mathbb{H} 18'08	18°24'29	evening max el	6529 May 07 09:21	7° \mathbb{H} 14'09	18°07'26
retrograde	6528 May 31 09:37	28° \mathbb{H} 00'45		retrograde	6529 May 14 02:20	10° \mathbb{H} 39'07	
evening set	6528 Jun 02 16:07	27° \mathbb{H} 41'03		evening set	6529 May 16 15:57	10° \mathbb{H} 09'20	
inferior conj	6528 Jun 10 02:40	23° \mathbb{H} 06'47	1°35'59	inferior conj	6529 May 23 09:08	5° \mathbb{H} 14'30	2°38'05
minimum elong	6528 Jun 10 05:37	23° \mathbb{H} 00'46	1°34'59	minimum elong	6529 May 23 12:16	5° \mathbb{H} 07'06	2°37'19
min. Earth dist.	6528 Jun 13 12:34	20° \mathbb{H} 21'38	0.58418 AU	min. Earth dist.	6529 May 26 15:15	2° \mathbb{H} 11'16	0.60623 AU
desc. node	6528 Jun 15 19:12	18° \mathbb{H} 43'53			6529 May 29 07:33	30° \mathbb{R} \mathbb{B}	
morning rise	6528 Jun 17 15:55	17° \mathbb{H} 38'09		morning rise	6529 May 30 06:12	29° \mathbb{B} 21'20	
direct	6528 Jun 23 17:19	16° \mathbb{H} 02'08		desc. node	6529 Jun 02 16:12	27° \mathbb{B} 42'41	
morning max el	6528 Jul 08 02:35	23° \mathbb{H} 45'04	27°06'08	direct	6529 Jun 05 20:41	27° \mathbb{B} 12'58	
	6528 Jul 13 17:58	0° \mathbb{B}			6529 Jun 13 22:33	0° \mathbb{H}	
	6528 Aug 01 17:10	0° \mathbb{Q}		morning max el	6529 Jun 20 04:00	5° \mathbb{H} 09'37	27°47'40
morning set	6528 Aug 07 10:50	11° \mathbb{Q} 34'17			6529 Jul 08 16:18	0° \mathbb{B}	
asc. node	6528 Aug 07 04:04	10° \mathbb{Q} 58'46		morning set	6529 Jul 22 16:07	26° \mathbb{B} 00'42	
					6529 Jul 24 13:48	0° \mathbb{Q}	
superior conj	6528 Aug 14 11:21	26° \mathbb{Q} 51'19	1°09'14	asc. node	6529 Jul 25 01:06	1° \mathbb{Q} 00'02	
minimum elong	6528 Aug 14 09:05	26° \mathbb{Q} 38'45	1°08'50	max. Earth dist.	6529 Jul 28 18:15	9° \mathbb{Q} 02'43	1.31920 AU
max. Earth dist.	6528 Aug 14 07:59	26° \mathbb{Q} 32'37	1.31823 AU				
	6528 Aug 15 21:26	0° \mathbb{H}		superior conj	6529 Jul 29 22:27	11° \mathbb{Q} 37'46	0°48'43
evening rise	6528 Aug 21 06:49	11° \mathbb{H} 43'39		minimum elong	6529 Jul 29 20:30	11° \mathbb{Q} 27'04	0°48'18
	6528 Aug 30 13:39	0° \mathbb{A}		evening rise	6529 Aug 05 17:15	26° \mathbb{Q} 28'16	
desc. node	6528 Sep 11 18:23	19° \mathbb{A} 03'26			6529 Aug 07 09:19	0° \mathbb{H}	
evening max el	6528 Sep 19 21:12	28° \mathbb{A} 18'26	26°34'20		6529 Aug 24 13:37	0° \mathbb{A}	
	6528 Sep 21 18:34	0° \mathbb{M}		desc. node	6529 Aug 29 15:25	6° \mathbb{A} 17'57	
retrograde	6528 Oct 03 19:16	5° \mathbb{M} 25'51		evening max el	6529 Sep 01 15:07	9° \mathbb{A} 23'33	25°20'14
evening set	6528 Oct 10 13:20	3° \mathbb{M} 32'05		retrograde	6529 Sep 15 13:04	16° \mathbb{A} 26'14	

evening set	6529 Sep 21 09:31	15°♄07'24		min. Earth dist.	6530 Sep 07 13:38	22°♄56'30	0.55968 AU
min. Earth dist.	6529 Sep 26 02:46	12°♄27'58	0.57670 AU	inferior conj	6530 Sep 09 18:11	21°♄37'14	-5°21'47
inferior conj	6529 Sep 29 03:16	10°♄24'18	-5°17'47	minimum elong	6530 Sep 09 15:21	21°♄41'31	5°21'37
minimum elong	6529 Sep 29 06:51	10°♄18'09	5°17'28	morning rise	6530 Sep 18 03:22	17°♄41'49	
morning rise	6529 Oct 07 06:29	6°♄09'54		direct	6530 Sep 20 22:42	17°♄22'01	
direct	6529 Oct 09 17:49	5°♄51'35		morning max el	6530 Oct 01 04:44	22°♄09'14	20°03'59
morning max el	6529 Oct 18 12:51	10°♄02'31	18°58'28	asc. node	6530 Oct 07 21:27	0°♄20'52	
asc. node	6529 Oct 21 00:25	12°♄43'06			6530 Oct 07 15:50	0°♄	
	6529 Oct 31 17:08	0°♄		morning set	6530 Oct 19 08:36	21°♄16'55	
morning set	6529 Nov 04 03:43	6°♄41'33			6530 Oct 23 14:48	0°♄	
superior conj	6529 Nov 12 12:46	23°♄06'19	1°25'04	superior conj	6530 Oct 27 01:23	6°♄58'40	1°37'44
minimum elong	6529 Nov 12 15:49	23°♄20'52	1°24'48	minimum elong	6530 Oct 27 03:04	7°♄07'07	1°37'40
	6529 Nov 16 04:41	0°♄		max. Earth dist.	6530 Nov 01 16:33	17°♄58'18	1.36878 AU
max. Earth dist.	6529 Nov 19 10:49	5°♄55'12	1.38967 AU	evening rise	6530 Nov 05 11:49	25°♄00'56	
evening rise	6529 Nov 23 07:04	12°♄39'18			6530 Nov 08 07:01	0°♄	
desc. node	6529 Nov 25 14:35	16°♄34'46		desc. node	6530 Nov 12 11:37	7°♄09'02	
	6529 Dec 03 23:00	0°♄			6530 Nov 27 13:09	0°♄	
	6529 Dec 26 04:25	0°♄		evening max el	6530 Dec 11 03:54	16°♄18'35	25°43'29
evening max el	6529 Dec 28 15:07	2°♄32'54	24°31'03	retrograde	6530 Dec 23 12:45	23°♄23'31	
retrograde	6530 Jan 09 02:00	9°♄14'47		evening set	6530 Dec 29 12:59	20°♄54'48	
evening set	6530 Jan 14 13:09	6°♄58'04		min. Earth dist.	6531 Jan 02 20:55	16°♄13'07	0.67131 AU
asc. node	6530 Jan 16 23:41	4°♄28'19		asc. node	6531 Jan 03 20:43	14°♄57'39	
min. Earth dist.	6530 Jan 19 04:12	1°♄41'55	0.67856 AU	inferior conj	6531 Jan 04 05:26	14°♄29'56	0°07'21
inferior conj	6530 Jan 20 01:33	0°♄30'35	1°00'51	minimum elong	6531 Jan 04 05:14	14°♄30'33	0°07'18
minimum elong	6530 Jan 20 00:10	0°♄35'14	1°00'21	transit middle	6531 Jan 04 05:14	14°♄30'33	0°07'18
	6530 Jan 20 10:44	30°♄		transit begin	6531 Jan 04 02:44	14°♄38'33	
morning rise	6530 Jan 25 11:19	24°♄30'07		transit end	6531 Jan 04 07:45	14°♄22'34	
direct	6530 Jan 29 05:59	23°♄08'26		morning rise	6531 Jan 09 21:57	8°♄37'38	
morning max el	6530 Feb 05 20:11	27°♄25'35	20°01'47	direct	6531 Jan 13 04:55	7°♄35'29	
	6530 Feb 08 05:23	0°♄		morning max el	6531 Jan 20 02:48	11°♄24'16	19°03'33
desc. node	6530 Feb 21 13:53	18°♄19'36			6531 Feb 02 20:41	0°♄	
	6530 Mar 01 07:34	0°♄		desc. node	6531 Feb 08 10:55	8°♄36'22	
morning set	6530 Mar 04 20:26	5°♄25'46		morning set	6531 Feb 12 00:09	14°♄07'10	
max. Earth dist.	6530 Mar 15 13:20	22°♄12'29	1.44041 AU		6531 Feb 22 04:38	0°♄	
	6530 Mar 20 09:20	0°♄		max. Earth dist.	6531 Feb 26 04:39	6°♄16'25	1.45090 AU
superior conj	6530 Mar 21 00:51	1°♄03'18	-2°09'47	superior conj	6531 Feb 28 15:27	10°♄08'03	-1°54'41
minimum elong	6530 Mar 20 23:09	0°♄56'22	2°09'45	minimum elong	6531 Feb 28 07:25	9°♄36'20	1°54'07
evening rise	6530 Apr 03 02:38	23°♄01'48			6531 Mar 13 00:50	0°♄	
	6530 Apr 07 03:57	0°♄		evening rise	6531 Mar 15 10:47	3°♄56'32	
asc. node	6530 Apr 14 22:55	12°♄47'25			6531 Apr 01 02:09	0°♄	
evening max el	6530 Apr 20 22:17	20°♄28'44	18°09'36	asc. node	6531 Apr 01 19:58	0°♄57'06	
retrograde	6530 Apr 27 08:11	23°♄50'56		evening max el	6531 Apr 04 10:40	3°♄55'26	18°30'15
evening set	6530 Apr 30 04:31	23°♄09'18		retrograde	6531 Apr 10 22:43	7°♄28'02	
inferior conj	6530 May 06 08:21	17°♄55'17	3°13'30	evening set	6531 Apr 14 01:49	6°♄33'20	
minimum elong	6530 May 06 10:18	17°♄50'02	3°13'12	inferior conj	6531 Apr 19 20:14	1°♄01'38	3°27'43
min. Earth dist.	6530 May 09 02:49	14°♄57'50	0.62794 AU	minimum elong	6531 Apr 19 20:41	1°♄00'18	3°27'40
morning rise	6530 May 12 14:38	11°♄47'54			6531 Apr 20 16:54	30°♄	
direct	6530 May 19 10:06	9°♄13'59		min. Earth dist.	6531 Apr 21 23:43	28°♄29'14	0.64712 AU
desc. node	6530 May 20 13:14	9°♄17'55		morning rise	6531 Apr 25 14:46	24°♄47'40	
morning max el	6530 Jun 02 10:53	17°♄16'04	27°51'09	direct	6531 May 02 07:40	22°♄00'24	
	6530 Jun 13 00:44	0°♄		desc. node	6531 May 07 10:16	23°♄21'30	
	6530 Jul 01 10:50	0°♄			6531 May 15 21:56	0°♄	
morning set	6530 Jul 06 15:24	10°♄06'28		morning max el	6531 May 15 20:36	29°♄56'38	27°19'05
asc. node	6530 Jul 11 22:09	21°♄06'03			6531 Jun 06 23:55	0°♄	
max. Earth dist.	6530 Jul 12 00:01	21°♄16'00	1.32456 AU	morning set	6531 Jun 20 05:58	23°♄43'35	
					6531 Jun 23 09:43	0°♄	
superior conj	6530 Jul 14 07:01	26°♄12'27	0°24'15	max. Earth dist.	6531 Jun 24 21:27	3°♄02'14	1.33463 AU
minimum elong	6530 Jul 14 05:53	26°♄06'23	0°23'59				
	6530 Jul 16 00:49	0°♄		superior conj	6531 Jun 28 11:03	10°♄29'22	-0°03'31
evening rise	6530 Jul 21 04:59	11°♄13'02		minimum elong	6531 Jun 28 11:14	10°♄30'21	0°03'31
	6530 Jul 30 17:50	0°♄		behind sun begin	6531 Jun 28 05:50	10°♄01'45	
evening max el	6530 Aug 14 03:26	19°♄50'28	23°46'25	behind sun end	6531 Jun 28 16:38	10°♄59'00	
desc. node	6530 Aug 16 12:27	21°♄57'40		asc. node	6531 Jun 28 19:13	11°♄12'42	
retrograde	6530 Aug 27 19:21	26°♄41'57		evening rise	6531 Jul 05 16:06	25°♄52'02	
evening set	6530 Sep 01 05:42	25°♄58'46			6531 Jul 07 15:38	0°♄	

evening max el	6531 Jul 26 17:34	0° \cap 09'24	22°08'42	asc. node	6532 Jun 14 16:15	1° \ominus 15'59	
	6531 Jul 26 13:45	0° \cap		evening rise	6532 Jun 19 00:41	10° \ominus 19'43	
desc. node	6531 Aug 03 09:30	5° \cap 29'19			6532 Jun 29 10:27	0° Ω	
retrograde	6531 Aug 08 13:24	6° \cap 31'35		evening max el	6532 Jul 07 17:23	10° Ω 53'02	20°41'15
evening set	6531 Aug 11 12:17	6° \cap 12'14		retrograde	6532 Jul 19 01:27	16° Ω 28'02	
min. Earth dist.	6531 Aug 19 23:06	2° \cap 33'12	0.54932 AU	desc. node	6532 Jul 20 06:32	16° Ω 24'26	
inferior conj	6531 Aug 20 16:35	2° \cap 08'37	-4°34'42	evening set	6532 Jul 21 03:13	16° Ω 17'37	
minimum elong	6531 Aug 20 08:01	2° \cap 20'40	4°32'50	inferior conj	6532 Jul 30 09:29	12° Ω 20'45	-2°58'28
	6531 Aug 24 16:48	30° κ Ω		minimum elong	6532 Jul 30 01:30	12° Ω 32'09	2°55'48
morning rise	6531 Aug 29 05:21	28° Ω 19'19		min. Earth dist.	6532 Jul 31 09:24	11° Ω 46'33	0.54806 AU
direct	6531 Sep 01 11:58	27° Ω 55'22		morning rise	6532 Aug 07 23:28	8° Ω 18'24	
	6531 Sep 08 17:37	0° \cap		direct	6532 Aug 11 21:04	7° Ω 45'46	
morning max el	6531 Sep 13 08:01	3° \cap 28'12	21°30'27	morning max el	6532 Aug 25 01:07	14° Ω 05'55	23°11'55
asc. node	6531 Sep 24 18:31	18° \cap 45'06			6532 Sep 06 06:19	0° \cap	
	6531 Sep 30 18:44	0° Ω		asc. node	6532 Sep 10 15:33	7° \cap 44'26	
morning set	6531 Oct 03 17:39	6° Ω 02'58		morning set	6532 Sep 17 04:54	20° \cap 54'09	
					6532 Sep 21 10:41	0° Ω	
superior conj	6531 Oct 10 23:51	21° Ω 18'52	1°42'27	superior conj	6532 Sep 24 04:59	5° Ω 57'29	1°40'22
minimum elong	6531 Oct 11 00:05	21° Ω 20'08	1°42'29	minimum elong	6532 Sep 24 04:01	5° Ω 52'15	1°40'20
max. Earth dist.	6531 Oct 15 03:55	29° Ω 51'02	1.35042 AU	max. Earth dist.	6532 Sep 26 23:53	11° Ω 53'07	1.33585 AU
	6531 Oct 15 05:42	0° \cap		evening rise	6532 Oct 01 21:38	21° Ω 55'39	
evening rise	6531 Oct 19 10:02	8° \cap 09'59			6532 Oct 06 02:11	0° \cap	
desc. node	6531 Oct 30 08:39	27° \cap 29'54		desc. node	6532 Oct 16 05:41	17° \cap 31'01	
	6531 Oct 31 21:47	0° \nearrow			6532 Oct 24 17:00	0° \nearrow	
evening max el	6531 Nov 23 16:59	0° \ominus 00'44	26°41'47	evening max el	6532 Nov 05 05:42	13° \nearrow 29'20	27°18'33
	6531 Nov 23 16:40	0° \ominus		retrograde	6532 Nov 18 17:12	20° \nearrow 47'41	
retrograde	6531 Dec 06 18:04	7° \ominus 16'58		evening set	6532 Nov 25 15:40	18° \nearrow 09'57	
evening set	6531 Dec 13 06:36	4° \ominus 40'31		min. Earth dist.	6532 Nov 29 11:36	14° \nearrow 37'22	0.64626 AU
min. Earth dist.	6531 Dec 17 08:11	0° \ominus 33'41	0.66051 AU	inferior conj	6532 Dec 01 19:21	12° \nearrow 07'00	-1°56'24
	6531 Dec 17 19:42	30° κ \nearrow		minimum elong	6532 Dec 01 22:49	11° \nearrow 57'36	1°54'57
inferior conj	6531 Dec 19 04:09	28° \nearrow 23'47	-0°52'13	asc. node	6532 Dec 07 14:50	6° \nearrow 59'26	
minimum elong	6531 Dec 19 05:37	28° \nearrow 19'26	0°51'33	morning rise	6532 Dec 08 07:18	6° \nearrow 39'09	
asc. node	6531 Dec 21 17:47	25° \nearrow 30'12		direct	6532 Dec 10 20:53	6° \nearrow 05'02	
morning rise	6531 Dec 25 05:29	22° \nearrow 42'09		morning max el	6532 Dec 17 07:53	9° \nearrow 29'17	17°56'18
direct	6531 Dec 28 02:40	21° \nearrow 55'56			6532 Dec 31 07:48	0° \ominus	
morning max el	6532 Jan 03 15:33	25° \nearrow 27'32	18°21'28	morning set	6533 Jan 03 16:23	5° \ominus 37'42	
	6532 Jan 07 12:37	0° \ominus		desc. node	6533 Jan 12 04:54	19° \ominus 45'39	
morning set	6532 Jan 23 05:35	24° \ominus 08'55		superior conj	6533 Jan 17 08:00	28° \ominus 03'32	-0°35'47
desc. node	6532 Jan 26 07:55	29° \ominus 06'28		minimum elong	6533 Jan 17 03:46	27° \ominus 46'32	0°35'08
	6532 Jan 26 21:19	0° \approx			6533 Jan 18 13:09	0° \approx	
superior conj	6532 Feb 07 19:14	18° \approx 50'13	-1°20'38	max. Earth dist.	6533 Jan 21 19:15	5° \approx 09'48	1.45003 AU
minimum elong	6532 Feb 07 10:10	18° \approx 14'40	1°19'36	evening rise	6533 Feb 02 11:07	23° \approx 18'31	
max. Earth dist.	6532 Feb 08 23:35	20° \approx 41'23	1.45419 AU		6533 Feb 06 19:55	0° κ	
	6532 Feb 14 22:22	0° κ		greatest brilliancy	6533 Feb 17 01:54	15° κ 24'38	-0.6m
evening rise	6532 Feb 23 19:45	13° κ 56'07			6533 Feb 28 00:35	0° γ	
	6532 Mar 05 02:01	0° γ		evening max el	6533 Mar 01 00:41	1° γ 03'54	20°02'27
greatest brilliancy	6532 Mar 05 09:01	0° γ 26'58	-0.8m	asc. node	6533 Mar 05 14:02	4° γ 40'46	
evening max el	6532 Mar 17 20:04	17° γ 28'42	19°08'26	retrograde	6533 Mar 08 16:32	5° γ 30'57	
asc. node	6532 Mar 18 17:00	18° γ 19'35		evening set	6533 Mar 12 11:15	4° γ 07'44	
retrograde	6532 Mar 24 18:28	21° γ 23'30			6533 Mar 16 09:39	30° κ κ	
evening set	6532 Mar 28 04:52	20° γ 14'53		inferior conj	6533 Mar 17 20:09	28° κ 05'36	3°10'44
inferior conj	6532 Apr 02 17:10	14° γ 27'00	3°25'38	minimum elong	6533 Mar 17 18:22	28° κ 11'37	3°10'26
minimum elong	6532 Apr 02 16:19	14° γ 29'46	3°25'33	min. Earth dist.	6533 Mar 18 17:37	26° κ 53'16	0.67337 AU
min. Earth dist.	6532 Apr 04 05:09	12° γ 31'54	0.66242 AU	morning rise	6533 Mar 23 01:17	21° κ 50'11	
morning rise	6532 Apr 08 03:23	8° γ 11'04		direct	6533 Mar 28 21:34	19° κ 13'29	
direct	6532 Apr 14 11:53	5° γ 23'39		morning max el	6533 Apr 09 15:44	26° κ 15'29	24°58'50
desc. node	6532 Apr 23 07:18	9° γ 22'02		desc. node	6533 Apr 10 04:17	26° κ 47'38	
morning max el	6532 Apr 27 06:37	13° γ 00'03	26°18'34		6533 Apr 13 02:30	0° γ	
	6532 May 10 23:29	0° δ			6533 May 04 13:17	0° δ	
	6532 May 29 16:23	0° Π		morning set	6533 May 15 17:38	18° δ 49'05	
morning set	6532 Jun 02 08:18	6° Π 42'22		max. Earth dist.	6533 May 19 08:41	25° δ 24'06	1.36864 AU
max. Earth dist.	6532 Jun 06 08:04	14° Π 20'20	1.34952 AU		6533 May 21 19:39	0° Π	
superior conj	6532 Jun 11 08:12	24° Π 22'13	-0°33'30	superior conj	6533 May 25 19:24	7° Π 41'55	-1°04'12
minimum elong	6532 Jun 11 10:05	24° Π 31'50	0°33'09	minimum elong	6533 May 25 23:08	8° Π 00'14	1°03'37
	6532 Jun 14 01:38	0° \ominus					

asc. node	6533 Jun 01 13:15	21° Π 11'32		minimum elong	6534 May 08 22:05	20° \mathcal{B} 43'44	1°32'33
evening rise	6533 Jun 03 04:21	24° Π 28'28			6534 May 13 19:01	0° Π	
	6533 Jun 05 23:03	0° \mathfrak{E}		evening rise	6534 May 18 00:19	8° Π 11'01	
evening max el	6533 Jun 20 05:55	22° \mathfrak{E} 17'35	19°31'56	asc. node	6534 May 19 10:17	10° Π 55'10	
retrograde	6533 Jun 29 20:41	27° \mathfrak{E} 01'00			6534 May 30 12:08	0° \mathfrak{E}	
evening set	6533 Jul 01 18:06	26° \mathfrak{E} 50'49		evening max el	6534 Jun 03 05:49	4° \mathfrak{E} 24'25	18°43'12
desc. node	6533 Jul 07 03:34	24° \mathfrak{E} 46'32		retrograde	6534 Jun 11 08:46	8° \mathfrak{E} 25'03	
inferior conj	6533 Jul 10 11:30	22° \mathfrak{E} 45'34	-1°00'25	evening set	6534 Jun 13 10:57	8° \mathfrak{E} 10'03	
minimum elong	6533 Jul 10 08:46	22° \mathfrak{E} 49'56	0°59'26	inferior conj	6534 Jun 21 08:52	3° \mathfrak{E} 47'32	0°46'35
min. Earth dist.	6533 Jul 12 22:07	21° \mathfrak{E} 12'28	0.55632 AU	minimum elong	6534 Jun 21 10:36	3° \mathfrak{E} 44'19	0°45'55
morning rise	6533 Jul 18 20:58	18° \mathfrak{E} 12'04		desc. node	6534 Jun 24 00:34	1° \mathfrak{E} 49'14	
direct	6533 Jul 23 13:55	17° \mathfrak{E} 22'29		min. Earth dist.	6534 Jun 24 15:00	1° \mathfrak{E} 23'21	0.57248 AU
morning max el	6533 Aug 06 14:12	24° \mathfrak{E} 23'52	24°56'05		6534 Jun 26 17:02	30° \mathcal{R} Π	
	6533 Aug 11 17:47	0° Ω		morning rise	6534 Jun 29 06:47	28° Π 36'59	
asc. node	6533 Aug 28 12:34	27° Ω 09'18		direct	6534 Jul 04 21:06	27° Π 19'51	
	6533 Aug 29 22:26	0° \mathfrak{M}			6534 Jul 13 03:54	0° \mathfrak{E}	
morning set	6533 Sep 01 16:36	5° \mathfrak{M} 44'52		morning max el	6534 Jul 19 05:48	4° \mathfrak{E} 51'42	26°26'23
					6534 Aug 06 13:28	0° Ω	
superior conj	6533 Sep 08 14:18	20° \mathfrak{M} 46'22	1°32'20	asc. node	6534 Aug 15 09:34	16° Ω 52'50	
minimum elong	6533 Sep 08 12:29	20° \mathfrak{M} 36'23	1°32'10	morning set	6534 Aug 17 03:09	20° Ω 30'24	
max. Earth dist.	6533 Sep 10 03:44	24° \mathfrak{M} 10'36	1.32550 AU		6534 Aug 21 12:20	0° \mathfrak{M}	
	6533 Sep 12 20:40	0° \mathfrak{L}					
evening rise	6533 Sep 15 19:02	6° \mathfrak{L} 07'43		superior conj	6534 Aug 24 01:44	5° \mathfrak{M} 39'11	1°19'03
	6533 Sep 28 15:44	0° \mathfrak{M}		minimum elong	6534 Aug 23 23:30	5° \mathfrak{M} 26'48	1°18'43
desc. node	6533 Oct 03 02:44	7° \mathfrak{M} 03'52		max. Earth dist.	6534 Aug 24 12:45	6° \mathfrak{M} 40'05	1.31958 AU
evening max el	6533 Oct 18 16:07	26° \mathfrak{M} 31'12	27°27'18	evening rise	6534 Aug 30 23:21	20° \mathfrak{M} 38'09	
	6533 Oct 22 19:21	0° \mathfrak{X}			6534 Sep 04 13:58	0° \mathfrak{L}	
retrograde	6533 Nov 01 09:44	3° \mathfrak{X} 46'54		desc. node	6534 Sep 19 23:47	25° \mathfrak{L} 56'42	
evening set	6533 Nov 08 13:16	1° \mathfrak{X} 16'58			6534 Sep 22 23:57	0° \mathfrak{M}	
	6533 Nov 10 05:42	30° \mathcal{R} \mathfrak{M}		evening max el	6534 Sep 30 21:39	8° \mathfrak{M} 53'16	27°03'22
min. Earth dist.	6533 Nov 12 05:12	28° \mathfrak{M} 14'53	0.62876 AU	retrograde	6534 Oct 14 18:53	16° \mathfrak{M} 04'35	
inferior conj	6533 Nov 15 00:16	25° \mathfrak{M} 32'52	-3°02'39	evening set	6534 Oct 21 19:27	13° \mathfrak{M} 54'03	
minimum elong	6533 Nov 15 05:45	25° \mathfrak{M} 19'35	3°00'39	min. Earth dist.	6534 Oct 25 12:09	11° \mathfrak{M} 13'12	0.60882 AU
morning rise	6533 Nov 22 00:02	20° \mathfrak{M} 22'16		inferior conj	6534 Oct 28 15:36	8° \mathfrak{M} 32'33	-4°06'10
direct	6533 Nov 24 08:30	19° \mathfrak{M} 56'36		minimum elong	6534 Oct 28 22:19	8° \mathfrak{M} 18'13	4°04'16
asc. node	6533 Nov 24 11:51	19° \mathfrak{M} 56'42		morning rise	6534 Nov 05 03:22	3° \mathfrak{M} 42'21	
morning max el	6533 Dec 01 00:54	23° \mathfrak{M} 22'33	17°48'46	direct	6534 Nov 07 09:44	3° \mathfrak{M} 21'52	
	6533 Dec 06 06:54	0° \mathfrak{X}		asc. node	6534 Nov 11 08:52	4° \mathfrak{M} 27'29	
morning set	6533 Dec 17 03:23	18° \mathfrak{X} 16'25		morning max el	6534 Nov 14 15:13	6° \mathfrak{M} 58'11	17°59'49
	6533 Dec 23 20:38	0° \mathfrak{Z}		morning set	6534 Nov 29 09:21	0° \mathfrak{X}	
					6534 Nov 30 08:01	1° \mathfrak{X} 44'32	
superior conj	6533 Dec 28 20:14	8° \mathfrak{Z} 27'01	0°08'53				
minimum elong	6533 Dec 28 21:07	8° \mathfrak{Z} 30'45	0°08'48	superior conj	6534 Dec 10 10:23	20° \mathfrak{X} 05'12	0°46'11
behind sun begin	6533 Dec 28 13:22	7° \mathfrak{Z} 58'19		minimum elong	6534 Dec 10 13:47	20° \mathfrak{X} 20'08	0°45'44
behind sun end	6533 Dec 29 04:52	9° \mathfrak{Z} 03'06			6534 Dec 16 04:33	0° \mathfrak{Z}	
desc. node	6533 Dec 30 01:55	10° \mathfrak{Z} 30'35		desc. node	6534 Dec 16 22:56	1° \mathfrak{Z} 17'10	
max. Earth dist.	6534 Jan 04 12:31	19° \mathfrak{Z} 23'44	1.43890 AU	max. Earth dist.	6534 Dec 18 00:49	3° \mathfrak{Z} 04'58	1.42220 AU
	6534 Jan 11 05:26	0° \approx		evening rise	6534 Dec 23 20:08	12° \mathfrak{Z} 30'52	
evening rise	6534 Jan 12 22:12	2° \approx 38'07			6535 Jan 04 05:47	0° \approx	
	6534 Jan 31 08:34	0° \mathfrak{H}		evening max el	6535 Jan 25 17:47	28° \approx 18'25	22°25'52
evening max el	6534 Feb 11 23:47	14° \mathfrak{H} 40'25	21°09'34		6535 Jan 27 12:14	0° \mathfrak{H}	
asc. node	6534 Feb 20 11:04	19° \mathfrak{H} 46'22		retrograde	6535 Feb 04 11:24	4° \mathfrak{H} 05'27	
retrograde	6534 Feb 20 14:48	19° \mathfrak{H} 46'30		asc. node	6535 Feb 07 08:07	3° \mathfrak{H} 23'03	
evening set	6534 Feb 24 19:04	18° \mathfrak{H} 08'19		evening set	6535 Feb 09 02:39	2° \mathfrak{H} 12'04	
inferior conj	6534 Mar 02 02:49	11° \mathfrak{H} 54'26	2°45'21		6535 Feb 11 07:02	30° \mathcal{R} \approx	
minimum elong	6534 Mar 02 00:33	12° \mathfrak{H} 02'17	2°44'49	inferior conj	6535 Feb 14 11:04	25° \approx 49'48	2°11'00
min. Earth dist.	6534 Mar 02 11:09	11° \mathfrak{H} 25'34	0.67999 AU	minimum elong	6535 Feb 14 08:46	25° \approx 57'47	2°10'19
morning rise	6534 Mar 07 05:52	5° \mathfrak{H} 41'07		min. Earth dist.	6535 Feb 14 07:27	26° \approx 02'22	0.68248 AU
direct	6534 Mar 12 12:10	3° \mathfrak{H} 22'25		morning rise	6535 Feb 19 14:46	19° \approx 40'01	
morning max el	6534 Mar 23 00:51	9° \mathfrak{H} 38'28	23°30'03	direct	6535 Feb 24 06:41	17° \approx 43'04	
desc. node	6534 Mar 28 01:15	15° \mathfrak{H} 14'50		morning max el	6535 Mar 05 12:45	23° \approx 08'24	22°01'50
	6534 Apr 08 02:09	0° \mathfrak{Y}			6535 Mar 11 12:28	0° \mathfrak{H}	
morning set	6534 Apr 27 04:23	29° \mathfrak{Y} 49'32		desc. node	6535 Mar 14 22:15	4° \mathfrak{H} 25'58	
	6534 Apr 27 06:51	0° \mathfrak{B}			6535 Apr 01 10:54	0° \mathfrak{Y}	
max. Earth dist.	6534 May 01 04:28	6° \mathfrak{B} 42'56	1.39039 AU	morning set	6535 Apr 07 11:29	9° \mathfrak{Y} 31'10	
				max. Earth dist.	6535 Apr 13 02:16	18° \mathfrak{Y} 44'16	1.41231 AU
superior conj	6534 May 08 16:56	20° \mathfrak{B} 19'38	-1°33'10		6535 Apr 19 16:00	0° \mathfrak{B}	

superior conj	6535 Apr 20 20:12	2°♄04'14	-1°56'40	evening rise	6536 Apr 13 02:17	3°♄39'43	
minimum elong	6535 Apr 21 01:13	2°♄26'27	1°56'19	asc. node	6536 Apr 22 04:22	19°♄24'21	
evening rise	6535 May 01 09:02	21°♄17'55			6536 Apr 29 21:28	0°♄	
asc. node	6535 May 06 07:19	0°♄21'30		evening max el	6536 Apr 30 01:46	0°♄10'45	18°06'05
	6535 May 06 02:33	0°♄		retrograde	6536 May 06 14:20	3°♄32'23	
evening max el	6535 May 17 13:39	17°♄05'24	18°14'52	evening set	6536 May 09 06:57	2°♄57'39	
retrograde	6535 May 24 15:38	20°♄38'32			6536 May 13 13:50	30°♄	
evening set	6535 May 27 01:07	20°♄14'56		inferior conj	6536 May 15 17:58	27°♄54'40	2°56'03
inferior conj	6535 Jun 03 03:53	15°♄32'12	2°05'53	minimum elong	6536 May 15 20:41	27°♄47'51	2°55'29
minimum elong	6535 Jun 03 07:09	15°♄25'04	2°04'55	min. Earth dist.	6536 May 18 19:55	24°♄51'06	0.61572 AU
min. Earth dist.	6535 Jun 06 13:40	12°♄35'57	0.59341 AU	morning rise	6536 May 22 08:28	21°♄54'38	
morning rise	6535 Jun 10 10:12	9°♄51'36		desc. node	6536 May 27 18:36	19°♄39'11	
desc. node	6535 Jun 10 21:34	9°♄35'52		direct	6536 May 29 02:20	19°♄33'56	
direct	6535 Jun 16 18:12	8°♄01'05		morning max el	6536 Jun 12 07:03	27°♄33'39	27°53'44
morning max el	6535 Jul 01 03:17	15°♄51'45	27°28'20		6536 Jun 14 14:53	0°♄	
	6535 Jul 12 16:01	0°♄			6536 Jul 05 09:19	0°♄	
	6535 Jul 29 23:29	0°♄		morning set	6536 Jul 15 13:54	19°♄23'49	
morning set	6535 Aug 01 10:54	5°♄05'37		asc. node	6536 Jul 19 03:37	26°♄52'52	
asc. node	6535 Aug 02 06:36	6°♄49'15			6536 Jul 20 14:26	0°♄	
max. Earth dist.	6535 Aug 07 23:32	19°♄12'53	1.31803 AU	max. Earth dist.	6536 Jul 21 08:18	1°♄36'51	1.32091 AU
superior conj	6535 Aug 08 13:30	20°♄30'06	1°01'03	superior conj	6536 Jul 22 23:45	5°♄12'17	0°38'48
minimum elong	6535 Aug 08 11:18	20°♄17'59	1°00'38	minimum elong	6536 Jul 22 22:05	5°♄03'13	0°38'25
	6535 Aug 12 20:53	0°♄		evening rise	6536 Jul 29 19:24	20°♄05'22	
evening rise	6535 Aug 15 08:11	5°♄19'52			6536 Aug 03 14:32	0°♄	
	6535 Aug 28 06:54	0°♄			6536 Aug 23 05:26	0°♄	
desc. node	6535 Sep 06 20:49	13°♄53'39		desc. node	6536 Aug 23 17:51	0°♄31'33	
evening max el	6535 Sep 12 20:14	20°♄27'40	26°06'14	evening max el	6536 Aug 24 11:26	1°♄14'37	24°41'59
retrograde	6535 Sep 26 19:08	27°♄33'51		retrograde	6536 Sep 07 07:59	8°♄13'14	
evening set	6535 Oct 03 05:25	25°♄54'21		evening set	6536 Sep 12 14:59	7°♄10'31	
min. Earth dist.	6535 Oct 07 09:14	23°♄19'27	0.58805 AU	min. Earth dist.	6536 Sep 17 22:38	4°♄23'20	0.56887 AU
inferior conj	6535 Oct 10 13:58	20°♄57'13	-4°58'16	inferior conj	6536 Sep 20 16:28	2°♄37'13	-5°24'57
minimum elong	6535 Oct 10 19:43	20°♄46'30	4°57'18	minimum elong	6536 Sep 20 17:38	2°♄35'19	5°24'55
morning rise	6535 Oct 18 12:17	16°♄29'27			6536 Sep 25 01:52	30°♄	
direct	6535 Oct 20 20:28	16°♄11'08		morning rise	6536 Sep 28 22:31	28°♄31'26	
morning max el	6535 Oct 28 23:26	20°♄06'59	18°30'51	direct	6536 Oct 01 12:55	28°♄12'39	
asc. node	6535 Oct 29 05:54	20°♄22'49			6536 Oct 07 12:31	0°♄	
	6535 Nov 05 09:44	0°♄		morning max el	6536 Oct 10 21:56	2°♄37'56	19°23'34
morning set	6535 Nov 14 01:00	15°♄47'15		asc. node	6536 Oct 15 02:57	7°♄27'05	
	6535 Nov 21 10:58	0°♄		morning set	6536 Oct 27 23:50	0°♄	
superior conj	6535 Nov 22 22:40	2°♄46'52	1°13'40		6536 Oct 28 02:24	0°♄12'47	
minimum elong	6535 Nov 23 02:13	3°♄03'25	1°13'17	superior conj	6536 Nov 05 03:43	16°♄16'40	1°31'28
max. Earth dist.	6535 Nov 30 08:16	16°♄05'00	1.40199 AU	minimum elong	6536 Nov 05 06:13	16°♄28'55	1°31'18
desc. node	6535 Dec 03 20:00	22°♄02'08		max. Earth dist.	6536 Nov 11 13:39	28°♄25'59	1.38065 AU
evening rise	6535 Dec 04 14:40	23°♄20'10			6536 Nov 12 10:17	0°♄	
	6535 Dec 08 16:28	0°♄		evening rise	6536 Nov 15 07:33	5°♄09'11	
	6535 Dec 29 03:54	0°♄		desc. node	6536 Nov 19 17:03	12°♄41'14	
evening max el	6536 Jan 08 08:25	12°♄00'13	23°45'55		6536 Nov 30 16:53	0°♄	
retrograde	6536 Jan 19 04:55	18°♄24'02		evening max el	6536 Dec 20 21:33	25°♄45'23	25°03'12
evening set	6536 Jan 24 08:28	16°♄15'45			6536 Dec 25 21:21	0°♄	
asc. node	6536 Jan 25 05:08	15°♄28'26		retrograde	6537 Jan 01 18:12	2°♄37'42	
min. Earth dist.	6536 Jan 29 04:11	10°♄39'45	0.68109 AU	evening set	6537 Jan 07 10:58	0°♄15'40	
inferior conj	6536 Jan 29 19:04	9°♄49'00	1°28'39		6537 Jan 07 18:11	30°♄	
minimum elong	6536 Jan 29 17:12	9°♄55'21	1°28'00	asc. node	6537 Jan 11 02:11	26°♄20'42	
morning rise	6536 Feb 04 01:55	3°♄44'28		min. Earth dist.	6537 Jan 11 22:58	25°♄14'07	0.67594 AU
direct	6536 Feb 08 04:05	2°♄10'05		inferior conj	6537 Jan 13 00:59	23°♄48'58	0°39'01
morning max el	6536 Feb 16 06:54	6°♄49'02	20°41'55	minimum elong	6537 Jan 13 00:02	23°♄52'02	0°38'39
desc. node	6536 Feb 29 19:17	24°♄09'04		morning rise	6537 Jan 18 13:20	17°♄51'38	
	6536 Mar 04 19:28	0°♄		direct	6537 Jan 22 02:55	16°♄38'26	
morning set	6536 Mar 16 16:57	18°♄03'40		morning max el	6537 Jan 29 09:05	20°♄41'42	19°35'07
	6536 Mar 24 06:04	0°♄			6537 Feb 05 23:03	0°♄	
max. Earth dist.	6536 Mar 25 07:20	1°♄42'01	1.43159 AU	greatest brilliancy	6537 Feb 11 06:59	7°♄40'37	-0.7m
superior conj	6536 Apr 01 00:32	12°♄45'56	-2°09'32	desc. node	6537 Feb 15 16:19	14°♄15'25	
minimum elong	6536 Apr 01 02:18	12°♄53'24	2°09'31	morning set	6537 Feb 23 14:01	26°♄20'59	
	6536 Apr 11 00:32	0°♄			6537 Feb 25 22:43	0°♄	
				max. Earth dist.	6537 Mar 07 20:08	15°♄28'53	1.44574 AU

superior conj	6537 Mar 12 03:43	22° K 21'56	-2°05'53	superior conj	6538 Feb 19 11:25	1° K 10'04	-1°42'15
minimum elong	6537 Mar 11 23:06	22° K 03'22	2°05'43	minimum elong	6538 Feb 19 02:02	0° K 33'13	1°41'24
	6537 Mar 16 20:49	0° Y		evening rise	6538 Mar 06 21:44	25° K 38'31	
evening rise	6537 Mar 25 23:36	15° Y 08'13			6538 Mar 09 14:49	0° Y	
	6537 Apr 03 21:10	0° B		greatest brilliancy	6538 Mar 14 04:23	7° Y 19'30	-0.9m
asc. node	6537 Apr 09 01:24	7° B 56'23		asc. node	6538 Mar 26 22:27	25° Y 47'18	
evening max el	6537 Apr 13 14:53	13° B 32'00	18°16'08	evening max el	6538 Mar 28 02:12	27° Y 01'30	18°44'21
retrograde	6537 Apr 20 00:27	16° B 56'50			6538 Mar 31 22:48	0° B	
evening set	6537 Apr 22 23:44	16° B 09'34		retrograde	6538 Apr 03 17:45	0° B 42'28	
inferior conj	6537 Apr 28 23:06	10° B 47'39	3°21'47		6538 Apr 06 11:02	30° R Y	
minimum elong	6537 Apr 29 00:25	10° B 43'56	3°21'38	evening set	6538 Apr 06 23:50	29° Y 41'52	
min. Earth dist.	6537 May 01 11:17	7° B 59'15	0.63655 AU	inferior conj	6538 Apr 12 15:15	24° Y 02'47	3°28'34
morning rise	6537 May 05 00:01	4° B 36'55		minimum elong	6538 Apr 12 15:06	24° Y 03'14	3°28'32
direct	6537 May 11 19:14	1° B 56'02		min. Earth dist.	6538 Apr 14 11:58	21° Y 45'23	0.65411 AU
desc. node	6537 May 14 15:37	2° B 21'11		morning rise	6538 Apr 18 05:49	17° Y 47'25	
morning max el	6537 May 25 15:28	9° B 56'09	27°41'33	direct	6538 Apr 24 19:33	14° Y 58'52	
	6537 Jun 10 07:48	0° II		desc. node	6538 May 01 12:39	17° Y 18'17	
	6537 Jun 27 17:33	0° E		morning max el	6538 May 08 01:48	22° Y 48'30	26°56'23
morning set	6537 Jun 29 09:50	3° E 18'21			6538 May 14 10:11	0° B	
max. Earth dist.	6537 Jul 04 11:09	13° E 40'33	1.32835 AU		6538 Jun 03 14:44	0° II	
asc. node	6537 Jul 06 00:40	16° E 59'33		morning set	6538 Jun 12 19:41	16° II 40'24	
				max. Earth dist.	6538 Jun 17 04:25	25° II 15'19	1.34045 AU
					6538 Jun 19 12:16	0° E	
superior conj	6537 Jul 07 06:39	19° E 40'11	0°12'51	superior conj	6538 Jun 21 08:03	3° E 47'13	-0°16'01
minimum elong	6537 Jul 07 06:02	19° E 36'49	0°12'41	minimum elong	6538 Jun 21 08:55	3° E 51'44	0°15'53
behind sun begin	6537 Jul 07 02:45	19° E 19'14		behind sun begin	6538 Jun 21 08:08	3° E 47'37	
behind sun end	6537 Jul 07 09:18	19° E 54'25		behind sun end	6538 Jun 21 09:42	3° E 55'51	
	6537 Jul 12 01:16	0° O		asc. node	6538 Jun 22 21:42	7° E 04'55	
evening rise	6537 Jul 14 07:08	4° O 48'39		evening rise	6538 Jun 28 17:26	19° E 23'24	
	6537 Jul 27 18:53	0° O			6538 Jul 03 23:14	0° O	
evening max el	6537 Aug 05 23:23	11° O 33'12	23°04'15	evening max el	6538 Jul 18 16:40	21° O 58'14	21°29'29
desc. node	6537 Aug 10 14:52	15° O 20'46		desc. node	6538 Jul 28 11:53	27° O 48'12	
retrograde	6537 Aug 19 08:17	18° O 14'22		retrograde	6538 Jul 30 22:58	28° O 02'42	
evening set	6537 Aug 23 03:06	17° O 43'03		evening set	6538 Aug 02 10:32	27° O 48'37	
min. Earth dist.	6537 Aug 30 08:07	14° O 26'58	0.55437 AU	inferior conj	6538 Aug 11 17:40	23° O 49'12	-3°58'43
inferior conj	6537 Aug 31 23:23	13° O 30'07	-5°08'31	minimum elong	6538 Aug 11 08:29	24° O 02'04	3°56'12
minimum elong	6537 Aug 31 17:37	13° O 38'29	5°07'46	min. Earth dist.	6538 Aug 11 17:35	23° O 49'19	0.54758 AU
morning rise	6537 Sep 09 10:22	9° O 39'37		morning rise	6538 Aug 20 07:27	19° O 57'07	
direct	6537 Sep 12 10:23	9° O 18'19		direct	6538 Aug 23 19:39	19° O 30'28	
morning max el	6537 Sep 23 08:18	14° O 23'26	20°38'26	morning max el	6538 Sep 05 06:49	25° O 23'31	22°12'28
asc. node	6537 Oct 01 23:59	25° O 25'36			6538 Sep 09 13:34	0° O	
	6537 Oct 04 17:08	0° A		asc. node	6538 Sep 18 21:02	14° O 05'48	
morning set	6537 Oct 12 09:17	14° A 53'05		morning set	6538 Sep 26 19:29	29° O 42'01	
					6538 Sep 26 22:55	0° A	
superior conj	6537 Oct 19 20:55	0° M 21'34	1°40'38	superior conj	6538 Oct 03 22:35	14° A 50'57	1°42'21
minimum elong	6537 Oct 19 21:58	0° M 26'58	1°40'38	minimum elong	6538 Oct 03 22:16	14° A 49'18	1°42'22
	6537 Oct 19 16:41	0° M		max. Earth dist.	6538 Oct 07 12:13	22° A 16'54	1.34365 AU
max. Earth dist.	6537 Oct 24 21:29	10° M 22'29	1.36059 AU		6538 Oct 11 08:40	0° M	
evening rise	6537 Oct 28 20:09	17° M 51'21		evening rise	6538 Oct 12 00:31	1° M 17'07	
	6537 Nov 04 16:40	0° J		desc. node	6538 Oct 24 11:05	23° M 23'19	
desc. node	6537 Nov 06 14:05	3° J 10'02			6538 Oct 28 16:23	0° J	
	6537 Nov 24 23:30	0° B		evening max el	6538 Nov 15 23:13	23° J 06'54	27°00'26
evening max el	6537 Dec 03 10:22	9° B 29'47	26°10'29		6538 Nov 26 08:12	0° B	
retrograde	6537 Dec 16 02:33	16° B 40'27		retrograde	6538 Nov 29 05:26	0° B 25'39	
evening set	6537 Dec 22 08:22	14° B 07'35			6538 Dec 01 23:26	30° R J	
min. Earth dist.	6537 Dec 26 13:29	9° B 41'01	0.66715 AU	evening set	6538 Dec 05 22:41	27° J 47'21	
inferior conj	6537 Dec 28 02:53	7° B 45'44	-0°17'15	min. Earth dist.	6538 Dec 09 21:35	23° J 55'33	0.65482 AU
minimum elong	6537 Dec 28 03:20	7° B 44'19	0°17'01	inferior conj	6538 Dec 11 22:41	21° J 35'42	-1°19'01
asc. node	6537 Dec 28 23:15	6° B 43'24		minimum elong	6538 Dec 12 00:59	21° J 29'10	1°18'00
morning rise	6538 Jan 02 22:56	1° B 57'54		asc. node	6538 Dec 15 20:17	17° J 34'28	
direct	6538 Jan 06 01:33	1° B 02'58		morning rise	6538 Dec 18 04:23	15° J 59'50	
morning max el	6538 Jan 12 18:36	4° B 42'46	18°43'42	direct	6538 Dec 20 21:58	15° J 19'22	
	6538 Jan 30 14:31	0° A		morning max el	6538 Dec 27 09:18	18° J 46'48	18°08'44
desc. node	6538 Feb 02 13:19	4° A 38'06			6539 Jan 04 20:04	0° B	
morning set	6538 Feb 03 03:12	5° A 32'38		morning set	6539 Jan 14 21:24	16° B 12'24	
max. Earth dist.	6538 Feb 18 13:45	29° A 45'04	1.45318 AU				
	6538 Feb 18 17:33	0° K					

desc. node	6539 Jan 20 10:20	25°♄12'35	direct	6539 Dec 04 13:42	29°♄21'24
	6539 Jan 23 09:49	0°♄		6539 Dec 07 08:20	0°♄
			morning max el	6539 Dec 11 02:18	2°♄45'42 17°50'52
superior conj	6539 Jan 29 16:41	9°♄59'21 -1°02'16	morning set	6539 Dec 27 19:17	28°♄13'00
minimum elong	6539 Jan 29 09:15	9°♄30'04 1°01'17		6539 Dec 28 20:18	0°♄
max. Earth dist.	6539 Feb 01 09:03	14°♄12'31 1.45325 AU	desc. node	6540 Jan 07 07:20	15°♄54'17
	6539 Feb 11 11:59	0°♄			
evening rise	6539 Feb 14 22:03	5°♄18'46	superior conj	6540 Jan 09 14:23	19°♄39'35 -0°16'17
greatest brilliancy	6539 Feb 27 11:25	24°♄38'20 -0.7m	minimum elong	6540 Jan 09 12:33	19°♄32'08 0°15'58
	6539 Mar 03 02:34	0°♄	behind sun begin	6540 Jan 09 11:15	19°♄26'49
evening max el	6539 Mar 11 09:39	10°♄35'19 19°29'33	behind sun end	6540 Jan 09 13:52	19°♄37'27
asc. node	6539 Mar 13 19:29	12°♄45'15	max. Earth dist.	6540 Jan 15 03:24	28°♄34'18 1.44607 AU
retrograde	6539 Mar 18 14:51	14°♄43'11		6540 Jan 16 01:01	0°♄
evening set	6539 Mar 22 04:32	13°♄28'36	evening rise	6540 Jan 25 09:33	14°♄34'22
inferior conj	6539 Mar 27 15:06	7°♄34'20 3°20'42		6540 Feb 04 13:56	0°♄
minimum elong	6539 Mar 27 13:47	7°♄38'37 3°20'33	evening max el	6540 Feb 22 11:57	24°♄10'58 20°29'41
min. Earth dist.	6539 Mar 28 20:47	5°♄56'51 0.66758 AU	asc. node	6540 Feb 28 16:31	28°♄35'53
morning rise	6539 Apr 01 22:44	1°♄18'04	retrograde	6540 Mar 01 13:11	28°♄54'04
	6539 Apr 03 14:41	30°♄	evening set	6540 Mar 05 11:44	27°♄24'44
direct	6539 Apr 08 02:17	28°♄33'57	inferior conj	6540 Mar 10 19:55	21°♄17'29 3°01'08
	6539 Apr 13 01:18	0°♄	minimum elong	6540 Mar 10 17:53	21°♄24'28 3°00'45
desc. node	6539 Apr 18 09:40	3°♄57'59	min. Earth dist.	6540 Mar 11 11:44	20°♄23'24 0.67670 AU
morning max el	6539 Apr 20 11:37	5°♄58'23 25°46'22	morning rise	6540 Mar 15 23:48	15°♄02'42
	6539 May 09 00:39	0°♄	direct	6540 Mar 21 14:22	12°♄32'38
morning set	6539 May 26 15:28	29°♄18'54	morning max el	6540 Apr 01 20:19	19°♄16'27 24°21'32
	6539 May 27 00:25	0°♄	desc. node	6540 Apr 04 06:40	21°♄51'59
max. Earth dist.	6539 May 30 10:14	6°♄23'30 1.35717 AU		6540 Apr 10 22:31	0°♄
				6540 May 01 03:50	0°♄
superior conj	6539 Jun 05 01:22	17°♄26'43 -0°46'33	morning set	6540 May 07 15:58	10°♄59'36
minimum elong	6539 Jun 05 04:02	17°♄40'10 0°46'06	max. Earth dist.	6540 May 11 07:30	17°♄27'43 1.37764 AU
asc. node	6539 Jun 09 18:43	27°♄05'09			
	6539 Jun 11 04:40	0°♄	superior conj	6540 May 18 07:19	0°♄30'18 -1°16'53
evening rise	6539 Jun 13 00:13	3°♄43'30	minimum elong	6540 May 18 11:45	0°♄51'39 1°16'15
	6539 Jun 28 05:08	0°♄		6540 May 18 01:00	0°♄
evening max el	6539 Jun 30 21:51	2°♄58'27 20°09'19	asc. node	6540 May 26 15:44	16°♄56'19
retrograde	6539 Jul 11 12:37	8°♄11'11	evening rise	6540 May 27 01:00	17°♄42'13
evening set	6539 Jul 13 10:32	8°♄01'46		6540 Jun 02 11:01	0°♄
desc. node	6539 Jul 15 08:54	7°♄34'19	evening max el	6540 Jun 12 15:45	14°♄42'45 19°08'46
inferior conj	6539 Jul 22 12:48	4°♄03'12 -2°08'55	retrograde	6540 Jun 21 13:57	19°♄05'47
minimum elong	6539 Jul 22 06:50	4°♄12'05 2°06'46	evening set	6540 Jun 23 12:54	18°♄54'02
min. Earth dist.	6539 Jul 24 05:07	3°♄03'21 0.55042 AU	desc. node	6540 Jul 01 05:56	15°♄10'10
	6539 Jul 30 11:33	30°♄	inferior conj	6540 Jul 01 22:22	14°♄42'28 -0°12'20
morning rise	6539 Jul 31 01:40	29°♄48'48	minimum elong	6540 Jul 01 21:51	14°♄43'21 0°12'11
direct	6539 Aug 04 06:52	29°♄10'08	transit middle	6540 Jul 01 21:51	14°♄43'21 0°12'11
	6539 Aug 08 23:59	0°♄	transit begin	6540 Jul 01 19:22	14°♄47'33
morning max el	6539 Aug 17 21:28	5°♄49'55 23°56'51	transit end	6540 Jul 02 00:20	14°♄39'09
	6539 Sep 04 00:25	0°♄	min. Earth dist.	6540 Jul 04 19:33	12°♄45'55 0.56241 AU
asc. node	6539 Sep 05 18:03	3°♄16'46	morning rise	6540 Jul 10 03:42	9°♄53'14
morning set	6539 Sep 11 07:06	14°♄33'24	direct	6540 Jul 15 06:07	8°♄52'48
			morning max el	6540 Jul 29 10:49	16°♄08'30 25°37'01
superior conj	6539 Sep 18 05:47	29°♄34'56 1°37'39		6540 Aug 09 16:34	0°♄
minimum elong	6539 Sep 18 04:24	29°♄27'26 1°37'33	asc. node	6540 Aug 22 15:03	22°♄50'31
	6539 Sep 18 10:24	0°♄	morning set	6540 Aug 25 18:32	29°♄22'37
max. Earth dist.	6539 Sep 20 11:31	4°♄24'13 1.33086 AU		6540 Aug 26 01:33	0°♄
evening rise	6539 Sep 25 16:41	15°♄15'15			
	6539 Oct 03 10:37	0°♄	superior conj	6540 Sep 01 16:16	14°♄26'31 1°27'19
desc. node	6539 Oct 11 08:06	13°♄13'25	minimum elong	6540 Sep 01 14:12	14°♄15'12 1°27'04
	6539 Oct 23 11:34	0°♄	max. Earth dist.	6540 Sep 02 18:00	16°♄47'58 1.32250 AU
evening max el	6539 Oct 29 11:08	6°♄25'25 27°26'05	evening rise	6540 Sep 08 17:25	29°♄36'38
retrograde	6539 Nov 12 02:05	13°♄43'50		6540 Sep 08 21:56	0°♄
evening set	6539 Nov 19 03:17	11°♄08'11		6540 Sep 25 13:00	0°♄
min. Earth dist.	6539 Nov 22 21:09	7°♄49'06 0.63912 AU	desc. node	6540 Sep 27 05:07	2°♄30'44
inferior conj	6539 Nov 25 09:52	5°♄12'19 -2°24'30	evening max el	6540 Oct 10 20:03	19°♄12'37 27°21'17
minimum elong	6539 Nov 25 14:13	5°♄01'02 2°22'45	retrograde	6540 Oct 24 15:33	26°♄25'57
	6539 Dec 01 18:40	30°♄	evening set	6540 Oct 31 18:50	24°♄03'13
morning rise	6539 Dec 02 02:45	29°♄51'22	min. Earth dist.	6540 Nov 04 10:27	21°♄11'16 0.62054 AU
asc. node	6539 Dec 02 17:19	29°♄38'29	inferior conj	6540 Nov 07 09:27	18°♄28'17 -3°30'20

minimum elong	6540 Nov 07 15:37	18° \mathbb{M} 14'05	3°28'16	min. Earth dist.	6541 Oct 17 12:52	3° \mathbb{M} 48'56	0.60005 AU
morning rise	6540 Nov 14 14:21	13° \mathbb{M} 25'36		inferior conj	6541 Oct 20 18:00	1° \mathbb{M} 14'10	-4°30'20
direct	6540 Nov 16 21:31	13° \mathbb{M} 02'30		minimum elong	6541 Oct 21 00:40	1° \mathbb{M} 00'43	4°28'45
asc. node	6540 Nov 18 14:21	13° \mathbb{M} 15'34			6541 Oct 22 07:29	30° \mathbb{R} $\underline{\mathbf{a}}$	
morning max el	6540 Nov 23 18:30	16° \mathbb{M} 31'57	17°51'01	morning rise	6541 Oct 28 10:30	26° $\underline{\mathbf{a}}$ 33'13	
	6540 Dec 03 06:02	0° \mathbb{Z}		direct	6541 Oct 30 17:18	26° $\underline{\mathbf{a}}$ 13'51	
morning set	6540 Dec 09 14:31	11° \mathbb{Z} 14'47		asc. node	6541 Nov 05 11:23	28° $\underline{\mathbf{a}}$ 23'46	
	6540 Dec 20 05:38	0° \mathbb{Z}			6541 Nov 07 07:51	0° \mathbb{M}	
				morning max el	6541 Nov 07 06:36	29° $\underline{\mathbf{a}}$ 56'59	18°10'28
superior conj	6540 Dec 20 13:45	0° \mathbb{Z} 34'39	0°25'51	morning set	6541 Nov 23 01:00	24° \mathbb{M} 59'29	
minimum elong	6540 Dec 20 16:03	0° \mathbb{Z} 44'28	0°25'33		6541 Nov 25 16:52	0° \mathbb{Z}	
desc. node	6540 Dec 24 04:21	6° \mathbb{Z} 39'55					
max. Earth dist.	6540 Dec 27 18:52	12° \mathbb{Z} 36'13	1.43245 AU	superior conj	6541 Dec 02 13:59	12° \mathbb{Z} 41'51	0°59'04
evening rise	6541 Jan 03 23:34	24° \mathbb{Z} 03'59		minimum elong	6541 Dec 02 17:40	12° \mathbb{Z} 58'26	0°58'37
	6541 Jan 07 19:45	0° \approx		max. Earth dist.	6541 Dec 10 05:38	26° \mathbb{Z} 03'07	1.41393 AU
	6541 Jan 28 17:05	0° \mathbb{H}		desc. node	6541 Dec 11 01:23	27° \mathbb{Z} 26'12	
evening max el	6541 Feb 04 08:51	7° \mathbb{H} 48'01	21°41'18		6541 Dec 12 14:18	0° \mathbb{Z}	
retrograde	6541 Feb 13 10:47	13° \mathbb{H} 11'00		evening rise	6541 Dec 15 05:38	4° \mathbb{Z} 19'23	
asc. node	6541 Feb 14 13:34	13° \mathbb{H} 04'28			6542 Jan 01 02:44	0° \approx	
evening set	6541 Feb 17 19:37	11° \mathbb{H} 26'22		evening max el	6542 Jan 18 01:13	21° \approx 27'40	22°59'48
inferior conj	6541 Feb 23 03:28	5° \mathbb{H} 08'45	2°31'49	retrograde	6542 Jan 28 06:11	27° \approx 30'48	
minimum elong	6541 Feb 23 01:08	5° \mathbb{H} 16'52	2°31'11	asc. node	6542 Feb 01 10:36	26° \approx 02'04	
min. Earth dist.	6541 Feb 23 06:38	4° \mathbb{H} 57'45	0.68157 AU	evening set	6542 Feb 02 02:39	25° \approx 30'44	
	6541 Feb 27 04:23	30° \mathbb{R} \approx		inferior conj	6542 Feb 07 11:49	19° \approx 06'05	1°53'59
morning rise	6541 Feb 28 06:29	28° \approx 56'56		minimum elong	6542 Feb 07 09:39	19° \approx 13'34	1°53'16
direct	6541 Mar 05 06:45	26° \approx 47'06		min. Earth dist.	6542 Feb 07 03:17	19° \approx 35'35	0.68238 AU
	6541 Mar 12 07:46	0° \mathbb{H}		morning rise	6542 Feb 12 16:35	12° \approx 58'36	
morning max el	6541 Mar 15 05:59	2° \mathbb{H} 40'54	22°51'56	direct	6542 Feb 17 12:33	11° \approx 11'27	
desc. node	6541 Mar 22 03:41	10° \mathbb{H} 39'09		morning max el	6542 Feb 25 20:20	16° \approx 15'40	21°26'33
	6541 Apr 05 00:04	0° \mathbb{Y}			6542 Mar 08 23:13	0° \mathbb{H}	
morning set	6541 Apr 18 15:17	21° \mathbb{Y} 26'25		desc. node	6542 Mar 09 00:42	0° \mathbb{H} 05'10	
max. Earth dist.	6541 Apr 23 03:34	29° \mathbb{Y} 02'35	1.39987 AU	morning set	6542 Mar 29 10:31	0° \mathbb{Y} 35'23	
	6541 Apr 23 16:55	0° \mathbb{Z}			6542 Mar 29 01:34	0° \mathbb{Y}	
				max. Earth dist.	6542 Apr 05 04:45	11° \mathbb{Y} 30'08	1.42101 AU
superior conj	6541 Apr 30 21:40	12° \mathbb{Z} 46'40	-1°44'04				
minimum elong	6541 May 01 03:03	13° \mathbb{Z} 11'14	1°43'32	superior conj	6542 Apr 12 15:41	24° \mathbb{Y} 05'17	-2°03'47
	6541 May 10 01:51	0° \mathbb{H}		minimum elong	6542 Apr 12 19:48	24° \mathbb{Y} 23'03	2°03'35
evening rise	6541 May 10 16:38	1° \mathbb{H} 10'26			6542 Apr 16 00:50	0° \mathbb{Z}	
asc. node	6541 May 13 12:46	6° \mathbb{H} 33'02		evening rise	6542 Apr 23 19:22	13° \mathbb{Z} 59'33	
evening max el	6541 May 26 19:31	27° \mathbb{H} 05'00	18°28'43	asc. node	6542 Apr 30 09:49	25° \mathbb{Z} 50'09	
	6541 May 30 18:55	0° \mathbb{Z}			6542 May 02 21:04	0° \mathbb{H}	
retrograde	6541 Jun 03 10:12	0° \mathbb{Z} 51'52		evening max el	6542 May 10 05:31	9° \mathbb{H} 56'47	18°08'42
evening set	6541 Jun 05 15:35	0° \mathbb{Z} 33'28		retrograde	6542 May 17 00:33	13° \mathbb{H} 23'29	
	6541 Jun 07 05:07	30° \mathbb{R} \mathbb{H}		evening set	6542 May 19 13:03	12° \mathbb{H} 55'27	
inferior conj	6541 Jun 13 05:00	26° \mathbb{H} 02'09	1°23'56	inferior conj	6542 May 26 08:35	8° \mathbb{H} 03'40	2°30'31
minimum elong	6541 Jun 13 07:44	25° \mathbb{H} 56'44	1°22'58	minimum elong	6542 May 26 11:48	7° \mathbb{H} 56'12	2°29'40
min. Earth dist.	6541 Jun 16 14:19	23° \mathbb{H} 21'52	0.58102 AU	min. Earth dist.	6542 May 29 15:56	5° \mathbb{H} 01'24	0.60290 AU
desc. node	6541 Jun 18 02:58	22° \mathbb{H} 15'53		morning rise	6542 Jun 02 08:00	2° \mathbb{H} 13'17	
morning rise	6541 Jun 20 20:36	20° \mathbb{H} 37'57		desc. node	6542 Jun 04 24:00	0° \mathbb{H} 52'49	
direct	6541 Jun 26 19:15	19° \mathbb{H} 07'04		direct	6542 Jun 08 21:01	0° \mathbb{H} 09'22	
morning max el	6541 Jul 11 04:34	26° \mathbb{H} 47'12	26°56'53	morning max el	6542 Jun 23 05:03	8° \mathbb{H} 04'57	27°43'55
	6541 Jul 14 06:07	0° \mathbb{Z}			6542 Jul 09 21:27	0° \mathbb{Z}	
	6541 Aug 03 03:07	0° \mathbb{Z}		morning set	6542 Jul 25 10:07	28° \mathbb{Z} 32'50	
asc. node	6541 Aug 09 12:04	12° \mathbb{Z} 39'57			6542 Jul 26 02:50	0° \mathbb{Z}	
morning set	6541 Aug 10 04:07	14° \mathbb{Z} 04'12		asc. node	6542 Jul 27 09:07	2° \mathbb{Z} 39'45	
				max. Earth dist.	6542 Jul 31 14:56	11° \mathbb{Z} 51'40	1.31872 AU
superior conj	6541 Aug 17 04:03	29° \mathbb{Z} 18'48	1°11'58				
minimum elong	6541 Aug 17 01:46	29° \mathbb{Z} 06'12	1°11'35	superior conj	6542 Aug 01 15:22	14° \mathbb{Z} 06'15	0°52'05
max. Earth dist.	6541 Aug 17 04:26	29° \mathbb{Z} 20'59	1.31847 AU	minimum elong	6542 Aug 01 13:21	13° \mathbb{Z} 55'05	0°51'41
	6541 Aug 17 11:29	0° \mathbb{H}		evening rise	6542 Aug 08 10:01	28° \mathbb{Z} 56'13	
evening rise	6541 Aug 23 23:57	14° \mathbb{H} 12'35			6542 Aug 08 22:00	0° \mathbb{H}	
	6541 Aug 31 22:31	0° $\underline{\mathbf{a}}$			6542 Aug 25 11:36	0° $\underline{\mathbf{a}}$	
desc. node	6541 Sep 14 02:10	21° $\underline{\mathbf{a}}$ 01'49		desc. node	6542 Aug 31 23:12	8° $\underline{\mathbf{a}}$ 28'09	
	6541 Sep 21 16:14	0° \mathbb{M}		evening max el	6542 Sep 04 18:01	12° $\underline{\mathbf{a}}$ 27'18	25°32'55
evening max el	6541 Sep 22 23:01	1° \mathbb{M} 15'16	26°42'52	retrograde	6542 Sep 18 16:25	19° $\underline{\mathbf{a}}$ 31'19	
retrograde	6541 Oct 06 20:45	8° \mathbb{M} 23'30		evening set	6542 Sep 24 16:55	18° $\underline{\mathbf{a}}$ 06'54	
evening set	6541 Oct 13 16:59	6° \mathbb{M} 24'59		min. Earth dist.	6542 Sep 29 05:59	15° $\underline{\mathbf{a}}$ 29'18	0.57952 AU




























































































































inferior conj	6542 Oct 02 08:05	13° Ω 20'10	-5°13'44	minimum elong	6543 Sep 13 00:15	24° Π 43'07	5°24'14
minimum elong	6542 Oct 02 12:22	13° Ω 12'40	5°13'15	morning rise	6543 Sep 21 10:26	20° Π 42'34	
morning rise	6542 Oct 10 10:10	9° Ω 02'31		direct	6543 Sep 24 04:19	20° Π 23'08	
direct	6542 Oct 12 20:29	8° Ω 44'19		morning max el	6543 Oct 04 04:50	25° Π 04'33	19°52'46
morning max el	6542 Oct 21 11:08	12° Ω 50'59	18°50'39		6543 Oct 08 13:12	0° Ω	
asc. node	6542 Oct 23 08:26	14° Ω 50'15		asc. node	6543 Oct 10 05:29	2° Ω 19'53	
	6542 Nov 02 02:45	0° \mathbb{M}		morning set	6543 Oct 22 02:01	23° Ω 45'56	
morning set	6542 Nov 06 21:58	9° \mathbb{M} 12'52			6543 Oct 25 03:29	0° \mathbb{M}	
superior conj	6542 Nov 15 10:03	25° \mathbb{M} 46'02	1°22'20	superior conj	6543 Oct 29 20:50	9° \mathbb{M} 32'56	1°36'19
minimum elong	6542 Nov 15 13:16	26° \mathbb{M} 01'15	1°22'03	minimum elong	6543 Oct 29 22:45	9° \mathbb{M} 42'26	1°36'14
	6542 Nov 17 16:04	0° \mathbb{A}		max. Earth dist.	6543 Nov 04 16:59	20° \mathbb{M} 51'46	1.37181 AU
max. Earth dist.	6542 Nov 22 11:36	8° \mathbb{A} 44'59	1.39284 AU	evening rise	6543 Nov 08 11:32	27° \mathbb{M} 47'35	
evening rise	6542 Nov 26 09:44	15° \mathbb{A} 34'01			6543 Nov 09 17:14	0° \mathbb{A}	
desc. node	6542 Nov 27 22:24	18° \mathbb{A} 09'00		desc. node	6543 Nov 14 19:26	8° \mathbb{A} 44'37	
	6542 Dec 05 06:12	0° \mathbb{B}			6543 Nov 28 15:46	0° \mathbb{B}	
	6542 Dec 26 20:37	0° \approx		evening max el	6543 Dec 14 03:37	18° \mathbb{B} 55'49	25°33'27
evening max el	6542 Dec 31 14:46	5° \approx 10'15	24°19'30	retrograde	6543 Dec 26 09:34	25° \mathbb{B} 57'52	
retrograde	6543 Jan 11 22:07	11° \approx 48'05		evening set	6544 Jan 01 07:49	23° \mathbb{B} 30'51	
evening set	6543 Jan 17 07:16	9° \approx 33'29		min. Earth dist.	6544 Jan 05 16:49	18° \mathbb{B} 43'52	0.67264 AU
asc. node	6543 Jan 19 07:40	7° \approx 32'40		asc. node	6544 Jan 06 04:43	18° \mathbb{B} 05'54	
min. Earth dist.	6543 Jan 21 23:27	4° \approx 12'09	0.67933 AU	inferior conj	6544 Jan 06 23:36	17° \mathbb{B} 05'17	0°15'53
inferior conj	6543 Jan 22 19:09	3° \approx 05'56	1°08'27	minimum elong	6544 Jan 06 23:12	17° \mathbb{B} 06'35	0°15'46
minimum elong	6543 Jan 22 17:37	3° \approx 11'04	1°07'53	transit middle	6544 Jan 06 23:12	17° \mathbb{B} 06'35	0°15'46
	6543 Jan 25 04:45	30° \mathbb{R} \mathbb{B}		transit begin	6544 Jan 06 22:36	17° \mathbb{B} 08'31	
morning rise	6543 Jan 28 04:04	27° \mathbb{B} 04'18		transit end	6544 Jan 06 23:48	17° \mathbb{B} 04'39	
direct	6543 Feb 01 00:36	25° \mathbb{B} 39'28		morning rise	6544 Jan 12 14:58	11° \mathbb{B} 11'29	
morning max el	6543 Feb 08 17:56	0° \approx 02'02	20°11'43	direct	6544 Jan 15 23:35	10° \mathbb{B} 06'32	
	6543 Feb 08 17:07	0° \approx		morning max el	6544 Jan 22 23:22	13° \mathbb{B} 58'47	19°11'08
desc. node	6543 Feb 23 21:44	19° \approx 58'55			6544 Feb 04 01:49	0° \approx	
	6543 Mar 02 14:17	0° \mathbb{H}		greatest brilliancy	6544 Feb 05 11:40	2° \approx 07'15	-0.7m
morning set	6543 Mar 08 09:24	8° \mathbb{H} 52'31		desc. node	6544 Feb 10 18:44	10° \approx 12'50	
max. Earth dist.	6543 Mar 18 12:56	24° \mathbb{H} 49'04	1.43833 AU	morning set	6544 Feb 15 10:31	17° \approx 24'54	
	6543 Mar 21 18:04	0° \mathbb{Y}			6544 Feb 23 12:41	0° \mathbb{H}	
				max. Earth dist.	6544 Feb 29 03:31	8° \mathbb{H} 48'24	1.44980 AU
superior conj	6543 Mar 24 09:11	4° \mathbb{Y} 17'50	-2°10'19	superior conj	6544 Mar 03 02:41	13° \mathbb{H} 29'32	-1°58'17
minimum elong	6543 Mar 24 08:29	4° \mathbb{Y} 14'58	2°10'19	minimum elong	6544 Mar 02 19:25	13° \mathbb{H} 00'41	1°57'50
evening rise	6543 Apr 06 04:39	25° \mathbb{Y} 59'23			6544 Mar 13 09:10	0° \mathbb{Y}	
	6543 Apr 08 12:11	0° \mathbb{B}		evening rise	6544 Mar 17 16:13	7° \mathbb{Y} 02'31	
asc. node	6543 Apr 17 06:51	14° \mathbb{B} 40'53			6544 Apr 01 00:14	0° \mathbb{B}	
evening max el	6543 Apr 23 18:20	23° \mathbb{B} 09'16	18°08'04	asc. node	6544 Apr 03 03:53	2° \mathbb{B} 56'50	
retrograde	6543 Apr 30 04:38	26° \mathbb{B} 30'52		evening max el	6544 Apr 06 07:00	6° \mathbb{B} 34'52	18°26'02
evening set	6543 May 02 23:59	25° \mathbb{B} 51'07		retrograde	6544 Apr 12 18:06	10° \mathbb{B} 04'56	
inferior conj	6543 May 09 05:35	20° \mathbb{B} 40'01	3°09'36	evening set	6544 Apr 15 20:13	9° \mathbb{B} 12'10	
minimum elong	6543 May 09 07:45	20° \mathbb{B} 34'18	3°09'14	inferior conj	6544 Apr 21 15:48	3° \mathbb{B} 43'02	3°26'39
min. Earth dist.	6543 May 12 02:11	17° \mathbb{B} 40'09	0.62485 AU	minimum elong	6544 Apr 21 16:29	3° \mathbb{B} 41'03	3°26'36
morning rise	6543 May 15 13:54	14° \mathbb{B} 34'12		min. Earth dist.	6544 Apr 23 21:35	1° \mathbb{B} 06'02	0.64452 AU
direct	6543 May 22 09:12	12° \mathbb{B} 03'14			6544 Apr 24 21:24	30° \mathbb{R} \mathbb{Y}	
desc. node	6543 May 22 21:02	12° \mathbb{B} 03'59		morning rise	6544 Apr 27 11:54	27° \mathbb{Y} 29'50	
morning max el	6543 Jun 05 11:13	20° \mathbb{B} 05'19	27°53'00	direct	6544 May 04 05:40	24° \mathbb{Y} 43'44	
	6543 Jun 13 22:47	0° \mathbb{I}		desc. node	6544 May 08 18:03	25° \mathbb{Y} 47'09	
	6543 Jul 02 21:02	0° \mathbb{E}			6544 May 15 00:03	0° \mathbb{B}	
morning set	6543 Jul 09 10:28	12° \mathbb{E} 42'13		morning max el	6544 May 17 20:34	2° \mathbb{B} 41'16	27°25'51
asc. node	6543 Jul 14 06:09	22° \mathbb{E} 45'20			6544 Jun 07 06:24	0° \mathbb{I}	
max. Earth dist.	6543 Jul 14 21:33	24° \mathbb{E} 07'55	1.32341 AU	morning set	6544 Jun 22 02:29	26° \mathbb{I} 23'56	
					6544 Jun 23 22:03	0° \mathbb{E}	
superior conj	6543 Jul 17 00:27	28° \mathbb{E} 43'17	0°28'12	max. Earth dist.	6544 Jun 26 20:23	5° \mathbb{E} 58'23	1.33285 AU
minimum elong	6543 Jul 16 23:10	28° \mathbb{E} 36'20	0°27'54				
	6543 Jul 17 14:32	0° \mathbb{Q}		superior conj	6544 Jun 30 05:17	13° \mathbb{E} 03'12	0°00'55
evening rise	6543 Jul 23 21:40	13° \mathbb{Q} 41'26		minimum elong	6544 Jun 30 05:14	13° \mathbb{E} 02'58	0°00'52
	6543 Aug 01 01:18	0° \mathbb{P}		behind sun begin	6544 Jun 29 23:46	12° \mathbb{E} 33'57	
evening max el	6543 Aug 17 06:55	22° \mathbb{P} 58'54	24°01'09	behind sun end	6544 Jun 30 10:41	13° \mathbb{E} 32'00	
desc. node	6543 Aug 18 20:14	24° \mathbb{P} 24'25		asc. node	6544 Jun 30 03:09	12° \mathbb{E} 51'51	
retrograde	6543 Aug 31 00:35	29° \mathbb{P} 52'49		evening rise	6544 Jul 07 09:00	28° \mathbb{E} 21'39	
evening set	6543 Sep 04 16:24	29° \mathbb{P} 04'57			6544 Jul 08 03:41	0° \mathbb{Q}	
min. Earth dist.	6543 Sep 10 17:31	26° \mathbb{P} 07'02	0.56184 AU		6544 Jul 25 19:28	0° \mathbb{P}	
inferior conj	6543 Sep 13 01:59	24° \mathbb{P} 40'25	-5°24'19				

evening max el	6544 Jul 28 20:14	3° \mathbb{M} 16'30	22°22'52	evening max el	6545 Jul 10 18:08	13° Ω 54'10	20°53'06
desc. node	6544 Aug 04 17:16	8° \mathbb{M} 17'25		retrograde	6545 Jul 22 08:07	19° Ω 37'03	
retrograde	6544 Aug 10 19:56	9° \mathbb{M} 44'02		desc. node	6545 Jul 22 14:17	19° Ω 36'54	
evening set	6544 Aug 13 23:38	9° \mathbb{M} 22'07		evening set	6545 Jul 24 11:55	19° Ω 25'56	
min. Earth dist.	6544 Aug 22 02:52	5° \mathbb{M} 49'33	0.55035 AU	inferior conj	6545 Aug 02 18:56	15° Ω 28'49	-3°15'12
inferior conj	6544 Aug 23 02:15	5° \mathbb{M} 16'31	-4°45'20	minimum elong	6545 Aug 02 10:26	15° Ω 40'52	3°12'29
minimum elong	6544 Aug 22 18:13	5° \mathbb{M} 27'52	4°43'46	min. Earth dist.	6545 Aug 03 12:42	15° Ω 03'37	0.54766 AU
morning rise	6544 Aug 31 14:35	1° \mathbb{M} 27'30		morning rise	6545 Aug 11 09:01	11° Ω 29'53	
direct	6544 Sep 03 19:29	1° \mathbb{M} 04'17		direct	6545 Aug 15 04:04	10° Ω 59'03	
morning max el	6544 Sep 15 09:49	6° \mathbb{M} 29'48	21°16'24	morning max el	6545 Aug 28 04:03	17° Ω 12'04	22°56'22
asc. node	6544 Sep 26 02:30	20° \mathbb{M} 37'31			6545 Sep 07 09:38	0° \mathbb{M}	
	6544 Oct 01 05:36	0° Ω		asc. node	6545 Sep 12 23:30	9° \mathbb{M} 31'43	
morning set	6544 Oct 05 10:34	8° Ω 30'32		morning set	6545 Sep 19 21:34	23° \mathbb{M} 20'59	
					6545 Sep 23 00:20	0° Ω	
superior conj	6544 Oct 12 18:01	23° Ω 49'13	1°42'12	superior conj	6545 Sep 26 22:19	8° Ω 25'18	1°41'05
minimum elong	6544 Oct 12 18:28	23° Ω 51'33	1°42'13	minimum elong	6545 Sep 26 21:30	8° Ω 20'58	1°41'04
	6544 Oct 15 18:27	0° \mathbb{M}		max. Earth dist.	6545 Sep 29 21:59	14° Ω 44'30	1.33772 AU
max. Earth dist.	6544 Oct 17 03:21	2° \mathbb{M} 44'53	1.35296 AU	evening rise	6545 Oct 04 17:11	24° Ω 30'16	
evening rise	6544 Oct 21 07:22	10° \mathbb{M} 49'55			6545 Oct 07 13:20	0° \mathbb{M}	
desc. node	6544 Oct 31 16:27	29° \mathbb{M} 07'41		desc. node	6545 Oct 18 13:28	19° \mathbb{M} 12'05	
	6544 Nov 01 05:16	0° \mathbb{X}			6545 Oct 25 18:00	0° \mathbb{X}	
	6544 Nov 23 02:10	0° \mathbb{Z}		evening max el	6545 Nov 08 05:29	16° \mathbb{X} 10'06	27°14'43
evening max el	6544 Nov 25 16:42	2° \mathbb{Z} 39'05	26°34'19	retrograde	6545 Nov 21 15:39	23° \mathbb{X} 28'38	
retrograde	6544 Dec 08 15:36	9° \mathbb{Z} 53'54		evening set	6545 Nov 28 12:57	20° \mathbb{X} 50'26	
evening set	6544 Dec 15 02:28	7° \mathbb{Z} 18'18		min. Earth dist.	6545 Dec 02 09:36	17° \mathbb{X} 13'04	0.64857 AU
min. Earth dist.	6544 Dec 19 04:59	3° \mathbb{Z} 06'19	0.66236 AU	inferior conj	6545 Dec 04 15:39	14° \mathbb{X} 45'10	-1°46'29
inferior conj	6544 Dec 20 23:12	1° \mathbb{Z} 00'08	-0°42'51	minimum elong	6545 Dec 04 18:49	14° \mathbb{X} 36'30	1°45'08
minimum elong	6544 Dec 21 00:24	0° \mathbb{Z} 56'34	0°42'17	asc. node	6545 Dec 09 22:48	9° \mathbb{X} 51'57	
	6544 Dec 21 19:27	30° \mathbb{R} \mathbb{X}		morning rise	6545 Dec 11 01:57	9° \mathbb{X} 15'13	
asc. node	6544 Dec 23 01:45	28° \mathbb{X} 34'04		direct	6545 Dec 13 16:32	8° \mathbb{X} 39'33	
morning rise	6544 Dec 26 23:07	25° \mathbb{X} 16'44		morning max el	6545 Dec 20 03:21	12° \mathbb{X} 04'14	17°59'01
direct	6544 Dec 29 21:40	24° \mathbb{X} 28'19			6546 Jan 01 15:27	0° \mathbb{Z}	
morning max el	6545 Jan 05 11:19	28° \mathbb{X} 01'35	18°26'40	morning set	6546 Jan 06 18:15	8° \mathbb{Z} 30'16	
	6545 Jan 07 07:05	0° \mathbb{Z}		desc. node	6546 Jan 14 12:44	21° \mathbb{Z} 19'24	
morning set	6545 Jan 25 11:34	27° \mathbb{Z} 13'27			6546 Jan 19 21:47	0° \mathbb{X}	
	6545 Jan 27 05:22	0° \mathbb{X}		superior conj	6546 Jan 20 17:09	1° \mathbb{X} 17'17	-0°42'48
desc. node	6545 Jan 27 15:44	0° \mathbb{X} 41'15		minimum elong	6546 Jan 20 12:01	0° \mathbb{X} 56'51	0°42'03
superior conj	6545 Feb 10 06:50	22° \mathbb{X} 11'31	-1°26'45	max. Earth dist.	6546 Jan 24 18:13	7° \mathbb{X} 41'51	1.45108 AU
minimum elong	6545 Feb 09 21:27	21° \mathbb{X} 34'43	1°25'43	evening rise	6546 Feb 05 21:48	26° \mathbb{X} 36'00	
max. Earth dist.	6545 Feb 10 22:20	23° \mathbb{X} 12'15	1.45418 AU		6546 Feb 08 02:51	0° \mathbb{X}	
	6545 Feb 15 06:27	0° \mathbb{X}		greatest brilliancy	6546 Feb 20 02:29	18° \mathbb{X} 08'51	-0.6m
evening rise	6545 Feb 26 04:27	17° \mathbb{X} 09'46			6546 Feb 28 16:12	0° \mathbb{Y}	
	6545 Mar 06 07:46	0° \mathbb{Y}		evening max el	6546 Mar 03 22:20	3° \mathbb{Y} 42'21	19°53'28
greatest brilliancy	6545 Mar 07 23:20	2° \mathbb{Y} 34'25	-0.8m	asc. node	6546 Mar 07 21:59	6° \mathbb{Y} 58'48	
evening max el	6545 Mar 20 16:58	20° \mathbb{Y} 07'30	19°01'40	retrograde	6546 Mar 11 11:14	8° \mathbb{Y} 04'14	
asc. node	6545 Mar 21 00:56	20° \mathbb{Y} 27'23		evening set	6546 Mar 15 04:36	6° \mathbb{Y} 43'14	
retrograde	6545 Mar 27 13:17	23° \mathbb{Y} 58'16		inferior conj	6546 Mar 20 13:51	0° \mathbb{Y} 42'57	3°13'40
evening set	6545 Mar 30 22:35	22° \mathbb{Y} 51'40		minimum elong	6546 Mar 20 12:11	0° \mathbb{Y} 48'33	3°13'26
inferior conj	6545 Apr 05 11:35	17° \mathbb{Y} 05'59	3°26'46		6546 Mar 21 02:39	30° \mathbb{R} \mathbb{X}	
minimum elong	6545 Apr 05 10:55	17° \mathbb{Y} 08'09	3°26'44	min. Earth dist.	6546 Mar 21 13:23	29° \mathbb{X} 24'07	0.67200 AU
min. Earth dist.	6545 Apr 07 01:47	15° \mathbb{Y} 05'00	0.66042 AU	morning rise	6546 Mar 25 19:32	24° \mathbb{X} 27'13	
morning rise	6545 Apr 10 22:50	10° \mathbb{Y} 50'10		direct	6546 Mar 31 17:44	21° \mathbb{X} 48'27	
direct	6545 Apr 17 08:49	8° \mathbb{Y} 02'11		morning max el	6546 Apr 12 16:04	28° \mathbb{X} 56'45	25°11'31
desc. node	6545 Apr 25 15:03	11° \mathbb{Y} 32'12		desc. node	6546 Apr 12 12:04	28° \mathbb{X} 46'40	
morning max el	6545 Apr 30 06:41	15° \mathbb{Y} 42'10	26°29'03		6546 Apr 13 16:30	0° \mathbb{Y}	
	6545 May 12 01:02	0° \mathbb{X}			6546 May 05 20:09	0° \mathbb{X}	
	6545 May 31 02:11	0° \mathbb{I}		morning set	6546 May 18 19:04	21° \mathbb{X} 44'29	
morning set	6545 Jun 05 06:50	9° \mathbb{I} 28'57		max. Earth dist.	6546 May 22 10:48	28° \mathbb{X} 25'40	1.36558 AU
max. Earth dist.	6545 Jun 09 08:50	17° \mathbb{I} 21'02	1.34708 AU		6546 May 23 06:57	0° \mathbb{I}	
superior conj	6545 Jun 14 03:35	26° \mathbb{I} 59'52	-0°28'50	superior conj	6546 May 28 16:28	10° \mathbb{I} 24'57	-0°59'36
minimum elong	6545 Jun 14 05:11	27° \mathbb{I} 08'08	0°28'34	minimum elong	6546 May 28 19:56	10° \mathbb{I} 42'03	0°59'02
	6545 Jun 15 14:25	0° \mathbb{X}		asc. node	6546 Jun 03 21:11	22° \mathbb{I} 52'54	
asc. node	6545 Jun 17 00:09	2° \mathbb{X} 55'53		evening rise	6546 Jun 05 22:38	27° \mathbb{I} 03'25	
evening rise	6545 Jun 21 18:05	12° \mathbb{X} 51'23			6546 Jun 07 09:47	0° \mathbb{X}	
	6545 Jun 30 14:50	0° Ω					

evening max el	6546 Jun 23 04:45	25°☿12'20	19°40'56		6547 May 15 06:24	0°♊	
	6546 Jul 01 23:56	0°♊		evening rise	6547 May 20 19:58	10°♊50'18	
retrograde	6546 Jul 03 01:42	0°♊03'19		asc. node	6547 May 21 18:13	12°♊38'36	
	6546 Jul 04 03:47	30°♋☿			6547 May 31 10:39	0°☿	
evening set	6546 Jul 04 22:50	29°☿53'31		evening max el	6547 Jun 06 03:14	7°☿13'40	18°49'12
desc. node	6546 Jul 09 11:18	28°☿19'44		retrograde	6547 Jun 14 10:55	11°☿19'38	
inferior conj	6546 Jul 13 18:49	25°☿50'16	-1°18'16	evening set	6547 Jun 16 12:06	11°☿05'40	
minimum elong	6546 Jul 13 15:14	25°☿55'52	1°16'56	inferior conj	6547 Jun 24 13:02	6°☿46'13	0°31'57
min. Earth dist.	6546 Jul 16 01:05	24°☿25'38	0.55452 AU	minimum elong	6547 Jun 24 14:16	6°☿43'59	0°31'27
morning rise	6546 Jul 22 05:22	21°☿21'56		desc. node	6547 Jun 26 08:21	5°☿27'20	
direct	6546 Jul 26 19:05	20°☿35'36		min. Earth dist.	6547 Jun 27 17:26	4°☿28'34	0.56966 AU
morning max el	6546 Aug 09 17:25	27°☿31'49	24°41'07	morning rise	6547 Jul 02 13:01	1°☿40'59	
	6546 Aug 12 03:50	0°♊		direct	6547 Jul 08 00:20	0°☿28'19	
asc. node	6546 Aug 30 20:31	28°♊53'25		morning max el	6547 Jul 22 08:19	7°☿56'41	26°14'26
	6546 Aug 31 09:56	0°♋			6547 Aug 07 19:47	0°♊	
morning set	6546 Sep 04 09:19	8°♋12'25		asc. node	6547 Aug 17 17:32	18°♊34'42	
				morning set	6547 Aug 19 20:09	22°♊59'11	
superior conj	6546 Sep 11 07:10	23°♋13'32	1°33'55		6547 Aug 23 02:09	0°♋	
minimum elong	6546 Sep 11 05:27	23°♋04'08	1°33'46	superior conj	6547 Aug 26 18:25	8°♋06'28	1°21'23
max. Earth dist.	6546 Sep 13 00:45	26°♋59'43	1.32672 AU	minimum elong	6547 Aug 26 16:13	7°♋54'17	1°21'05
	6546 Sep 14 10:13	0°♌		max. Earth dist.	6547 Aug 27 09:09	9°♋27'47	1.32016 AU
evening rise	6546 Sep 18 13:20	8°♌39'19		evening rise	6547 Sep 02 16:48	23°♋07'46	
	6546 Sep 29 23:01	0°♌			6547 Sep 06 01:25	0°♌	
desc. node	6546 Oct 05 10:29	8°♌49'59		desc. node	6547 Sep 22 07:32	27°♌49'52	
evening max el	6546 Oct 21 16:18	29°♌16'44	27°28'00		6547 Sep 23 20:47	0°♌	
	6546 Oct 22 10:56	0°♍		evening max el	6547 Oct 03 22:47	11°♌45'46	27°09'07
retrograde	6546 Nov 04 09:20	6°♍33'31		retrograde	6547 Oct 17 19:49	18°♌57'52	
evening set	6546 Nov 11 12:31	4°♍01'38		evening set	6547 Oct 24 21:18	16°♌43'50	
min. Earth dist.	6546 Nov 15 04:47	0°♍55'28	0.63150 AU	min. Earth dist.	6547 Oct 28 13:28	14°♌00'28	0.61188 AU
	6546 Nov 16 03:40	30°♎♋		inferior conj	6547 Oct 31 15:56	11°♌18'39	-3°57'02
inferior conj	6546 Nov 17 22:19	28°♌14'20	-2°52'39	minimum elong	6547 Oct 31 22:33	11°♌04'12	3°55'05
minimum elong	6546 Nov 18 03:31	28°♌01'29	2°50'42	morning rise	6547 Nov 08 01:57	6°♌25'08	
morning rise	6546 Nov 24 20:18	23°♌01'04		direct	6547 Nov 10 08:21	6°♌04'06	
asc. node	6546 Nov 26 19:50	22°♌35'12		asc. node	6547 Nov 13 16:53	6°♌52'08	
direct	6546 Nov 27 05:17	22°♌34'27		morning max el	6547 Nov 17 11:27	9°♌38'32	17°56'54
morning max el	6546 Dec 03 20:30	25°♌59'42	17°48'48		6547 Nov 30 19:12	0°♍	
	6546 Dec 07 06:12	0°♍		morning set	6547 Dec 03 04:28	4°♍21'49	
morning set	6546 Dec 20 02:06	21°♍00'01					
	6546 Dec 25 06:22	0°☿		superior conj	6547 Dec 13 11:57	22°♍57'02	0°41'07
superior conj	6547 Jan 01 01:32	11°☿29'47	0°02'28	minimum elong	6547 Dec 13 15:08	23°♍10'57	0°40'43
minimum elong	6547 Jan 01 01:47	11°☿30'49	0°02'29		6547 Dec 17 14:18	0°☿	
behind sun begin	6546 Dec 31 16:31	10°☿52'18		desc. node	6547 Dec 19 06:46	2°☿50'17	
behind sun end	6547 Jan 01 11:04	12°☿09'16		max. Earth dist.	6547 Dec 21 00:42	5°☿44'24	1.42499 AU
desc. node	6547 Jan 01 09:47	12°☿03'55		evening rise	6547 Dec 27 04:03	15°☿39'32	
max. Earth dist.	6547 Jan 07 11:46	21°☿58'14	1.44094 AU		6548 Jan 05 11:55	0°♎	
	6547 Jan 12 13:29	0°♎			6548 Jan 27 19:09	0°♎	
evening rise	6547 Jan 16 08:32	5°♎53'35		evening max el	6548 Jan 28 16:59	0°♎56'37	22°14'10
	6547 Feb 01 11:46	0°♏		retrograde	6548 Feb 07 06:33	6°♎37'30	
evening max el	6547 Feb 14 22:14	17°♏18'35	20°58'52	asc. node	6548 Feb 09 16:05	6°♎07'39	
asc. node	6547 Feb 22 19:01	22°♏16'49		evening set	6548 Feb 11 20:04	4°♎46'29	
retrograde	6547 Feb 23 09:38	22°♏18'46			6548 Feb 16 00:53	30°♎♋	
evening set	6547 Feb 27 12:20	20°♏42'56		inferior conj	6548 Feb 17 04:18	28°♎25'21	2°16'48
inferior conj	6547 Mar 04 20:08	14°♏30'37	2°49'50	minimum elong	6548 Feb 17 01:58	28°♎33'25	2°16'06
minimum elong	6547 Mar 04 17:55	14°♏38'18	2°49'19	min. Earth dist.	6548 Feb 17 02:27	28°♎31'46	0.68237 AU
min. Earth dist.	6547 Mar 05 06:23	13°♏55'13	0.67928 AU	morning rise	6548 Feb 22 07:43	22°♎14'56	
morning rise	6547 Mar 09 23:18	8°♏16'45		direct	6548 Feb 27 01:49	20°♎14'29	
direct	6547 Mar 15 07:44	5°♏54'58		morning max el	6548 Mar 07 12:14	25°♎47'11	22°14'35
morning max el	6547 Mar 26 01:03	12°♏18'39	23°43'22		6548 Mar 11 08:06	0°♏	
desc. node	6547 Mar 30 09:07	17°♏05'53		desc. node	6548 Mar 16 06:08	6°♏11'30	
	6547 Apr 09 05:35	0°♐			6548 Apr 01 17:55	0°♐	
	6547 Apr 28 15:59	0°♑		morning set	6548 Apr 09 21:01	12°♐49'49	
morning set	6547 Apr 30 09:35	2°♑55'50		max. Earth dist.	6548 Apr 15 03:40	21°♐32'56	1.40914 AU
max. Earth dist.	6547 May 04 06:32	9°♑38'44	1.38705 AU		6548 Apr 20 01:57	0°♑	
superior conj	6547 May 11 16:19	23°♑09'32	-1°29'03	superior conj	6548 Apr 22 22:41	5°♑03'27	-1°53'40
minimum elong	6547 May 11 21:19	23°♑33'06	1°28'24	minimum elong	6548 Apr 23 03:54	5°♑26'41	1°53'15

evening rise	6548 May 03 06:39	24°♄03'33		evening rise	6549 Apr 16 02:31	6°♄33'02	
	6548 May 06 11:17	0°♄		asc. node	6549 Apr 24 12:19	21°♄15'17	
asc. node	6548 May 07 15:16	2°♄08'13			6549 Apr 30 08:49	0°♄	
evening max el	6548 May 19 10:13	19°♄50'51	18°17'51	evening max el	6549 May 02 21:54	2°♄53'10	18°06'07
retrograde	6548 May 26 15:03	23°♄26'53		retrograde	6549 May 09 11:44	6°♄15'35	
evening set	6548 May 28 23:31	23°♄04'42		evening set	6549 May 12 03:20	5°♄42'35	
inferior conj	6548 Jun 05 04:57	18°♄25'00	1°55'48	inferior conj	6549 May 18 16:25	0°♄42'22	2°50'07
minimum elong	6548 Jun 05 08:10	18°♄18'10	1°54'47	minimum elong	6549 May 18 19:19	0°♄35'17	2°49'28
min. Earth dist.	6548 Jun 08 15:05	15°♄32'07	0.59013 AU		6549 May 19 09:36	30°♄	
desc. node	6548 Jun 12 05:24	13°♄00'15		min. Earth dist.	6549 May 21 19:56	27°♄38'31	0.61245 AU
morning rise	6548 Jun 12 13:43	12°♄48'25		morning rise	6549 May 25 09:12	24°♄44'35	
direct	6548 Jun 18 19:36	11°♄02'54		desc. node	6549 May 30 02:27	22°♄39'50	
morning max el	6548 Jul 03 04:46	18°♄51'01	27°21'17	direct	6549 Jun 01 02:05	22°♄28'05	
	6548 Jul 12 14:27	0°♄			6549 Jun 14 20:52	0°♄	
	6548 Jul 30 11:05	0°♄		morning max el	6549 Jun 15 07:42	0°♄26'40	27°52'25
morning set	6548 Aug 03 04:27	7°♄36'27			6549 Jul 06 17:00	0°♄	
asc. node	6548 Aug 03 14:34	8°♄29'38		morning set	6549 Jul 18 08:18	21°♄57'34	
				asc. node	6549 Jul 21 11:35	28°♄32'23	
superior conj	6548 Aug 10 06:16	22°♄58'11	1°04'04		6549 Jul 22 03:56	0°♄	
minimum elong	6548 Aug 10 04:02	22°♄45'51	1°03'40	max. Earth dist.	6549 Jul 24 05:21	4°♄27'36	1.32023 AU
max. Earth dist.	6548 Aug 09 19:58	22°♄01'16	1.31802 AU				
	6548 Aug 13 10:36	0°♄		superior conj	6549 Jul 25 16:50	7°♄41'58	0°42'26
evening rise	6548 Aug 17 01:07	7°♄48'32		minimum elong	6549 Jul 25 15:04	7°♄32'15	0°42'03
	6548 Aug 28 12:48	0°♄		evening rise	6549 Aug 01 12:06	22°♄33'52	
desc. node	6548 Sep 08 04:34	15°♄56'28			6549 Aug 05 01:38	0°♄	
evening max el	6548 Sep 14 22:38	23°♄27'54	26°16'41		6549 Aug 23 13:09	0°♄	
	6548 Sep 25 02:41	0°♄		desc. node	6549 Aug 26 01:36	2°♄48'04	
retrograde	6548 Sep 28 21:18	0°♄34'21		evening max el	6549 Aug 27 14:44	4°♄20'59	24°55'43
	6548 Oct 02 14:48	30°♄		retrograde	6549 Sep 10 11:49	11°♄21'00	
evening set	6548 Oct 05 10:34	28°♄49'45		evening set	6549 Sep 15 23:50	10°♄12'41	
min. Earth dist.	6548 Oct 09 11:55	26°♄15'04	0.59116 AU	min. Earth dist.	6549 Sep 21 02:04	7°♄28'37	0.57153 AU
inferior conj	6548 Oct 12 17:01	23°♄49'08	-4°51'40	inferior conj	6549 Sep 23 22:32	5°♄36'08	-5°23'21
minimum elong	6548 Oct 12 23:08	23°♄37'31	4°50'31	minimum elong	6549 Sep 24 00:38	5°♄32'39	5°23'13
morning rise	6548 Oct 20 13:55	19°♄17'46		morning rise	6549 Oct 02 03:40	1°♄27'27	
direct	6548 Oct 22 21:35	18°♄59'14		direct	6549 Oct 04 16:58	1°♄08'50	
asc. node	6548 Oct 30 13:55	22°♄35'24		morning max el	6549 Oct 13 20:51	5°♄28'49	19°14'19
morning max el	6548 Oct 30 20:44	22°♄51'34	18°24'51	asc. node	6549 Oct 17 10:56	9°♄30'20	
	6548 Nov 05 12:54	0°♄			6549 Oct 29 11:17	0°♄	
morning set	6548 Nov 15 19:52	18°♄20'03		morning set	6549 Oct 30 20:13	2°♄43'04	
	6548 Nov 21 22:29	0°♄					
superior conj	6548 Nov 24 21:12	5°♄29'48	1°10'08	superior conj	6549 Nov 08 00:05	18°♄53'43	1°29'21
minimum elong	6548 Nov 25 00:51	5°♄46'35	1°09'44	minimum elong	6549 Nov 08 02:47	19°♄06'50	1°29'09
max. Earth dist.	6548 Dec 02 09:00	18°♄51'34	1.40516 AU		6549 Nov 13 21:19	0°♄	
desc. node	6548 Dec 05 03:47	23°♄35'28		max. Earth dist.	6549 Nov 14 14:34	1°♄18'35	1.38378 AU
evening rise	6548 Dec 06 19:12	26°♄19'37		evening rise	6549 Nov 18 08:49	8°♄00'06	
	6548 Dec 09 01:02	0°♄		desc. node	6549 Nov 22 00:48	14°♄15'49	
	6548 Dec 29 04:52	0°♄			6549 Dec 01 22:33	0°♄	
evening max el	6549 Jan 10 08:03	14°♄38'00	23°34'03	evening max el	6549 Dec 23 21:13	28°♄22'45	24°52'08
retrograde	6549 Jan 21 00:32	20°♄56'29			6549 Dec 25 14:26	0°♄	
evening set	6549 Jan 26 02:14	18°♄50'20		retrograde	6550 Jan 04 14:29	5°♄11'34	
asc. node	6549 Jan 26 13:09	18°♄26'16		evening set	6550 Jan 10 05:19	2°♄51'18	
min. Earth dist.	6549 Jan 30 23:11	13°♄09'25	0.68154 AU		6550 Jan 12 23:30	30°♄	
inferior conj	6549 Jan 31 12:26	12°♄24'07	1°35'35	asc. node	6550 Jan 13 10:11	29°♄27'29	
minimum elong	6549 Jan 31 10:28	12°♄30'48	1°34'54	min. Earth dist.	6550 Jan 14 18:21	27°♄44'43	0.67694 AU
morning rise	6549 Feb 05 18:39	6°♄18'48		inferior conj	6550 Jan 15 18:44	26°♄24'15	0°46'58
direct	6549 Feb 09 22:51	4°♄41'04		minimum elong	6550 Jan 15 17:38	26°♄27'56	0°46'34
morning max el	6549 Feb 18 05:16	9°♄26'06	20°53'07	morning rise	6550 Jan 21 06:08	20°♄25'52	
desc. node	6549 Mar 03 03:09	25°♄50'27		direct	6550 Jan 24 21:29	19°♄09'45	
	6549 Mar 06 00:21	0°♄		morning max el	6550 Feb 01 06:16	23°♄17'31	19°44'09
morning set	6549 Mar 20 05:39	21°♄30'35			6550 Feb 06 22:49	0°♄	
	6549 Mar 25 14:28	0°♄		greatest brilliancy	6550 Feb 14 03:42	10°♄09'28	-0.6m
max. Earth dist.	6549 Mar 28 07:52	4°♄23'51	1.42900 AU	desc. node	6550 Feb 18 00:08	15°♄53'45	
				morning set	6550 Feb 27 02:20	29°♄45'36	
superior conj	6549 Apr 04 06:43	15°♄55'17	-2°08'31		6550 Feb 27 06:04	0°♄	
minimum elong	6549 Apr 04 09:14	16°♄05'56	2°08'28	max. Earth dist.	6550 Mar 10 19:39	18°♄04'36	1.44403 AU
	6549 Apr 12 10:00	0°♄		superior conj	6550 Mar 15 13:29	25°♄40'21	-2°07'42
































































































































minimum elong	6550 Mar 15 09:54	25° Υ 25'52	2°07'36	superior conj	6551 Feb 22 23:11	4° Υ 33'05	-1°47'04
	6550 Mar 18 05:27	0° Υ		minimum elong	6551 Feb 22 14:08	3° Υ 57'30	1°46'18
evening rise	6550 Mar 29 03:04	18° Υ 10'01		evening rise	6551 Mar 10 04:38	28° Υ 48'34	
	6550 Apr 05 03:11	0° Υ			6551 Mar 10 22:18	0° Υ	
asc. node	6550 Apr 11 09:22	9° Υ 52'40		asc. node	6551 Mar 29 06:24	27° Υ 50'41	
evening max el	6550 Apr 16 10:59	16° Υ 12'13	18°13'23	evening max el	6551 Mar 30 22:41	29° Υ 40'53	18°39'04
retrograde	6550 Apr 22 20:28	19° Υ 35'54			6551 Mar 31 06:23	0° Υ	
evening set	6550 Apr 25 18:42	18° Υ 50'38		retrograde	6551 Apr 06 12:53	3° Υ 18'45	
inferior conj	6550 May 01 19:33	13° Υ 31'21	3°19'10	evening set	6551 Apr 09 17:53	2° Υ 20'17	
minimum elong	6550 May 01 21:06	13° Υ 27'04	3°18'58		6551 Apr 12 13:42	30° Υ	
min. Earth dist.	6550 May 04 09:57	10° Υ 39'27	0.63363 AU	inferior conj	6551 Apr 15 10:17	26° Υ 43'47	3°28'31
morning rise	6550 May 07 22:17	7° Υ 21'36		minimum elong	6551 Apr 15 10:21	26° Υ 43'35	3°28'30
direct	6550 May 14 17:41	4° Υ 42'58		min. Earth dist.	6551 Apr 17 09:23	24° Υ 20'49	0.65172 AU
desc. node	6550 May 16 23:28	4° Υ 58'31		morning rise	6551 Apr 21 02:10	20° Υ 28'43	
morning max el	6550 May 28 15:41	12° Υ 43'56	27°45'37	direct	6551 Apr 27 17:05	17° Υ 40'22	
	6550 Jun 11 10:28	0° Υ		desc. node	6551 May 03 20:29	19° Υ 37'21	
	6550 Jun 29 04:46	0° Υ		morning max el	6551 May 11 01:54	25° Υ 32'54	27°04'54
morning set	6550 Jul 02 05:27	5° Υ 56'11			6551 May 15 03:43	0° Υ	
max. Earth dist.	6550 Jul 07 09:20	16° Υ 35'02	1.32693 AU		6551 Jun 04 22:44	0° Υ	
asc. node	6550 Jul 08 08:36	18° Υ 38'46		morning set	6551 Jun 15 17:03	19° Υ 24'18	
				max. Earth dist.	6551 Jun 20 04:08	28° Υ 14'25	1.33829 AU
superior conj	6550 Jul 10 00:21	22° Υ 12'13	0°17'01		6551 Jun 21 00:51	0° Υ	
minimum elong	6550 Jul 09 23:32	22° Υ 07'51	0°16'47				
	6550 Jul 13 14:35	0° Υ		superior conj	6551 Jun 24 02:44	6° Υ 23'24	-0°11'28
evening rise	6550 Jul 16 23:52	7° Υ 17'45		minimum elong	6551 Jun 24 03:21	6° Υ 26'37	0°11'24
	6550 Jul 28 21:02	0° Υ		behind sun begin	6551 Jun 23 23:22	6° Υ 05'43	
evening max el	6550 Aug 09 02:33	14° Υ 41'31	23°18'58	behind sun end	6551 Jun 24 07:20	6° Υ 47'32	
desc. node	6550 Aug 12 22:38	17° Υ 56'04		asc. node	6551 Jun 25 05:37	8° Υ 45'02	
retrograde	6550 Aug 22 14:13	21° Υ 26'51		evening rise	6551 Jul 01 10:31	21° Υ 54'36	
evening set	6550 Aug 26 14:28	20° Υ 51'38			6551 Jul 05 09:11	0° Υ	
min. Earth dist.	6550 Sep 02 11:50	17° Υ 40'41	0.55605 AU	evening max el	6551 Jul 21 18:36	25° Υ 04'23	21°42'57
inferior conj	6550 Sep 04 08:06	16° Υ 35'46	-5°14'26		6551 Jul 28 15:04	0° Υ	
minimum elong	6550 Sep 04 03:19	16° Υ 42'47	5°13'56	desc. node	6551 Jul 30 19:41	0° Υ 47'35	
morning rise	6550 Sep 12 18:30	12° Υ 43'59		retrograde	6551 Aug 03 06:04	1° Υ 15'32	
direct	6550 Sep 15 16:49	12° Υ 23'17		evening set	6551 Aug 05 21:10	0° Υ 59'55	
morning max el	6550 Sep 26 09:10	17° Υ 21'54	20°26'00		6551 Aug 09 04:38	30° Υ	
asc. node	6550 Oct 04 07:57	27° Υ 21'43		inferior conj	6551 Aug 15 03:38	26° Υ 59'16	-4°12'32
	6550 Oct 05 23:04	0° Υ		minimum elong	6551 Aug 14 18:30	27° Υ 12'02	4°10'13
morning set	6550 Oct 15 02:26	17° Υ 21'52		min. Earth dist.	6551 Aug 14 21:22	27° Υ 08'02	0.54798 AU
	6550 Oct 21 05:28	0° Υ		morning rise	6551 Aug 23 17:05	23° Υ 08'33	
				direct	6551 Aug 27 03:12	22° Υ 42'58	
superior conj	6550 Oct 22 15:44	2° Υ 54'35	1°39'45	morning max el	6551 Sep 08 09:21	28° Υ 29'03	21°57'28
minimum elong	6550 Oct 22 17:01	3° Υ 01'05	1°39'43		6551 Sep 09 22:18	0° Υ	
max. Earth dist.	6550 Oct 27 21:32	13° Υ 17'01	1.36336 AU	asc. node	6551 Sep 21 04:57	15° Υ 56'37	
evening rise	6550 Oct 31 18:43	20° Υ 35'16			6551 Sep 28 11:15	0° Υ	
	6550 Nov 06 01:51	0° Υ		morning set	6551 Sep 29 12:17	2° Υ 10'14	
desc. node	6550 Nov 08 21:47	4° Υ 46'38					
	6550 Nov 25 21:53	0° Υ		superior conj	6551 Oct 06 16:22	17° Υ 21'22	1°42'31
evening max el	6550 Dec 06 09:55	12° Υ 07'31	26°01'22	minimum elong	6551 Oct 06 16:15	17° Υ 20'45	1°42'32
retrograde	6550 Dec 18 23:41	19° Υ 16'32		max. Earth dist.	6551 Oct 10 10:59	25° Υ 10'28	1.34594 AU
evening set	6550 Dec 25 03:34	16° Υ 44'57			6551 Oct 12 20:43	0° Υ	
min. Earth dist.	6550 Dec 29 09:38	12° Υ 13'09	0.66868 AU	evening rise	6551 Oct 14 21:03	3° Υ 55'50	
inferior conj	6550 Dec 30 21:21	10° Υ 21'53	-0°08'22	desc. node	6551 Oct 26 18:50	25° Υ 02'58	
minimum elong	6550 Dec 30 21:34	10° Υ 21'12	0°08'12		6551 Oct 29 21:40	0° Υ	
transit middle	6550 Dec 30 21:34	10° Υ 21'12	0°08'12	evening max el	6551 Nov 18 22:50	25° Υ 46'37	26°54'21
transit begin	6550 Dec 30 19:07	10° Υ 28'51			6551 Nov 24 00:24	0° Υ	
transit end	6550 Dec 31 00:01	10° Υ 13'34		retrograde	6551 Dec 02 03:27	3° Υ 04'51	
asc. node	6550 Dec 31 07:14	9° Υ 51'07		evening set	6551 Dec 08 19:05	0° Υ 27'02	
morning rise	6551 Jan 05 16:07	4° Υ 32'31			6551 Dec 09 08:08	30° Υ	
direct	6551 Jan 08 20:12	3° Υ 35'10		min. Earth dist.	6551 Dec 12 18:55	26° Υ 29'58	0.65690 AU
morning max el	6551 Jan 15 14:49	7° Υ 17'53	18°50'18	inferior conj	6551 Dec 14 18:13	24° Υ 13'23	-1°09'21
	6551 Jan 31 21:13	0° Υ		minimum elong	6551 Dec 14 20:12	24° Υ 07'38	1°08'28
desc. node	6551 Feb 04 21:06	6° Υ 45'26		asc. node	6551 Dec 18 04:15	20° Υ 34'35	
morning set	6551 Feb 06 11:46	0° Υ		morning rise	6551 Dec 20 22:21	18° Υ 35'25	
	6551 Feb 20 01:35	0° Υ		direct	6551 Dec 23 17:07	17° Υ 53'04	
max. Earth dist.	6551 Feb 21 12:26	2° Υ 16'37	1.45252 AU	morning max el	6551 Dec 30 04:53	21° Υ 21'48	18°12'46
					6552 Jan 05 23:18	0° Υ	

morning set	6552 Jan 18 01:27	19°  11'41		desc. node	6553 Jan 08 15:07	17°  28'10	
desc. node	6552 Jan 22 18:06	26°  47'03					
	6552 Jan 24 18:09	0° 		superior conj	6553 Jan 11 21:54	22°  49'14	-0°23'10
				minimum elong	6553 Jan 11 19:14	22°  38'27	0°22'45
superior conj	6552 Feb 02 03:27	13°  18'31	-1°08'58		6553 Jan 16 09:21	0° 	
minimum elong	6552 Feb 01 19:21	12°  46'36	1°07'56	max. Earth dist.	6553 Jan 17 02:23	1°  07'35	1.44760 AU
max. Earth dist.	6552 Feb 04 07:25	16°  42'33	1.45374 AU	evening rise	6553 Jan 27 20:21	17°  52'26	
	6552 Feb 12 19:38	0° 			6553 Feb 04 19:38	0° 	
evening rise	6552 Feb 18 07:43	8°  34'39		evening max el	6553 Feb 24 10:00	26°  50'19	20°19'55
greatest brilliancy	6552 Mar 01 05:14	26°  59'20	-0.7m		6553 Feb 28 03:05	0° 	
	6552 Mar 03 05:19	0° 		asc. node	6553 Mar 02 00:30	0°  59'43	
evening max el	6552 Mar 13 06:49	13°  14'22	19°21'55	retrograde	6553 Mar 04 07:48	1°  27'30	
asc. node	6552 Mar 15 03:28	14°  57'36		evening set	6553 Mar 08 05:00	0°  00'19	
retrograde	6552 Mar 20 09:32	17°  17'31			6553 Mar 08 05:10	30°  R 	
evening set	6552 Mar 23 22:03	16°  05'03		inferior conj	6553 Mar 13 13:24	23°  54'52	3°04'46
inferior conj	6552 Mar 29 09:10	10°  13'03	3°22'41	minimum elong	6553 Mar 13 11:27	24°  01'32	3°04'24
minimum elong	6552 Mar 29 08:01	10°  16'49	3°22'33	min. Earth dist.	6553 Mar 14 07:11	22°  54'21	0.67564 AU
min. Earth dist.	6552 Mar 30 17:03	8°  29'14	0.66585 AU	morning rise	6553 Mar 18 17:40	17°  39'52	
morning rise	6552 Apr 03 17:37	3°  56'51		direct	6553 Mar 24 10:18	15°  07'19	
direct	6552 Apr 09 22:59	1°  11'16		morning max el	6553 Apr 04 20:32	21°  57'35	24°34'42
desc. node	6552 Apr 19 17:29	6°  03'29		desc. node	6553 Apr 06 14:30	23°  47'54	
morning max el	6552 Apr 22 11:45	8°  40'21	25°57'59		6553 Apr 11 20:40	0° 	
	6552 May 09 04:53	0° 			6553 May 02 11:42	0° 	
	6552 May 27 10:48	0°  II		morning set	6553 May 10 18:54	14°  8'00'05	
morning set	6552 May 28 15:11	2°  II'10'06		max. Earth dist.	6553 May 14 09:48	20°  8'28'34	1.37445 AU
max. Earth dist.	6552 Jun 01 11:29	9°  II'25'10	1.35438 AU		6553 May 19 12:20	0°  II	
superior conj	6552 Jun 06 21:26	20°  II'07'42	-0°41'52	superior conj	6553 May 21 05:19	3°  II'17'08	-1°12'25
minimum elong	6552 Jun 06 23:50	20°  II'19'48	0°41'28	minimum elong	6553 May 21 09:31	3°  II'37'29	1°11'46
asc. node	6552 Jun 11 02:39	28°  II'46'34		asc. node	6553 May 28 23:42	18°  II'39'30	
	6552 Jun 11 16:51	0° 		evening rise	6553 May 29 19:49	20°  II'19'46	
evening rise	6552 Jun 14 17:58	6°  51'27			6553 Jun 03 19:04	0° 	
	6552 Jun 27 21:57	0° 		evening max el	6553 Jun 15 14:00	17°  53'6'05	19°16'27
evening max el	6552 Jul 02 21:55	5°  58'44	20°20'08	retrograde	6553 Jun 24 17:45	22°  50'5'58	
retrograde	6552 Jul 13 18:48	11°  51'19'11		evening set	6553 Jun 26 16:05	21°  54'5'50	
evening set	6552 Jul 15 17:43	11°  51'09'34		desc. node	6553 Jul 03 13:46	18°  54'48'34	
desc. node	6552 Jul 16 16:44	10°  58'08'08		inferior conj	6553 Jul 05 04:26	17°  54'45'35	-0°29'08
inferior conj	6552 Jul 24 21:41	7°  51'11'59	-2°26'53	minimum elong	6553 Jul 05 03:09	17°  54'47'42	0°28'41
minimum elong	6552 Jul 24 14:56	7°  51'21'53	2°24'30	min. Earth dist.	6553 Jul 07 22:13	15°  54'57'07	0.56014 AU
min. Earth dist.	6552 Jul 26 08:30	6°  51'21'04	0.54941 AU	morning rise	6553 Jul 13 11:20	13°  54'50'02'01	
morning rise	6552 Aug 02 11:03	3°  51'02'07		direct	6553 Jul 18 10:29	12°  54'50'05'35	
direct	6552 Aug 06 13:33	2°  51'25'41		morning max el	6553 Aug 01 13:46	19°  54'16'19	25°23'04
morning max el	6552 Aug 20 00:41	8°  51'58'50	23°41'05		6553 Aug 10 15:14	0° 	
	6552 Sep 04 08:14	0° 		asc. node	6553 Aug 24 23:00	24°  51'34'14	
asc. node	6552 Sep 07 01:58	5°  51'03'28			6553 Aug 27 14:18	0° 	
morning set	6552 Sep 12 23:48	17°  51'01'35		morning set	6553 Aug 28 11:23	1°  51'51'24	
	6552 Sep 19 00:05	0° 					
				superior conj	6553 Sep 04 09:02	16°  51'54'17	1°29'13
superior conj	6552 Sep 19 22:55	2°  51'03'37	1°38'44	minimum elong	6553 Sep 04 07:03	16°  51'43'24	1°29'00
minimum elong	6552 Sep 19 21:41	1°  51'56'54	1°38'40	max. Earth dist.	6553 Sep 05 14:49	19°  51'37'38	1.32349 AU
max. Earth dist.	6552 Sep 22 09:07	7°  51'15'39	1.33254 AU		6553 Sep 10 10:44	0° 	
evening rise	6552 Sep 27 11:44	17°  51'49'53		evening rise	6553 Sep 11 11:22	2°  51'08'09	
	6552 Oct 03 20:17	0° 			6553 Sep 26 17:09	0° 	
desc. node	6552 Oct 12 15:53	14°  51'57'13		desc. node	6553 Sep 29 12:55	4°  51'20'17	
	6552 Oct 23 06:05	0° 		evening max el	6553 Oct 13 20:44	22°  51'01'58	27°24'04
evening max el	6552 Oct 31 11:10	9°  51'09'14	27°24'02	retrograde	6553 Oct 27 15:31	29°  51'15'54	
retrograde	6552 Nov 14 01:03	16°  51'27'38		evening set	6553 Nov 03 19:05	26°  51'50'28	
evening set	6552 Nov 21 01:20	13°  51'51'11		min. Earth dist.	6553 Nov 07 10:45	23°  51'55'09	0.62346 AU
min. Earth dist.	6552 Nov 24 19:55	10°  51'27'23	0.64167 AU	inferior conj	6553 Nov 10 08:25	21°  51'12'21	-3°20'32
inferior conj	6552 Nov 27 06:53	7°  51'52'42	-2°14'25	minimum elong	6553 Nov 10 14:22	20°  51'58'24	3°18'30
minimum elong	6552 Nov 27 10:55	7°  51'42'03	2°12'47	morning rise	6553 Nov 17 11:31	16°  51'06'47	
morning rise	6552 Dec 03 22:01	2°  51'29'11		direct	6553 Nov 19 19:06	15°  51'42'49	
asc. node	6552 Dec 04 01:17	2°  51'25'54		asc. node	6553 Nov 20 22:20	15°  51'48'44	
direct	6552 Dec 06 09:50	1°  51'57'50		morning max el	6553 Nov 26 14:17	19°  51'10'50	17°49'52
morning max el	6552 Dec 12 21:43	5° 51'22'00	17°52'24		6553 Dec 04 12:11	0°	
	6552 Dec 29 05:03	0°		morning set	6553 Dec 12 12:12	13° 51'56'23	
morning set	6552 Dec 29 19:41	1° 51'30'2'08			6553 Dec 21 15:22	0°	

superior conj	6553 Dec 23 17:23	3° S 33'21	0°19'57	morning set	6554 Nov 25 20:44	27° M 35'47	
minimum elong	6553 Dec 23 19:15	3° S 41'13	0°19'44		6554 Nov 27 03:34	0° A	
desc. node	6553 Dec 26 12:08	8° S 13'36					
max. Earth dist.	6553 Dec 30 18:44	15° S 14'49	1.43482 AU	superior conj	6554 Dec 05 14:13	15° A 30'57	0°54'39
evening rise	6554 Jan 07 09:06	27° S 18'02		minimum elong	6554 Dec 05 17:50	15° A 47'07	0°54'12
	6554 Jan 09 02:57	0° \approx		desc. node	6554 Dec 13 09:09	29° A 00'09	
	6554 Jan 29 16:15	0° H		max. Earth dist.	6554 Dec 13 06:02	28° A 47'05	1.41691 AU
evening max el	6554 Feb 07 07:41	10° H 27'15	21°30'00		6554 Dec 13 23:28	0° S	
retrograde	6554 Feb 16 05:40	15° H 44'13		evening rise	6554 Dec 18 12:10	7° S 25'15	
asc. node	6554 Feb 16 21:33	15° H 41'54			6555 Jan 02 07:02	0° \approx	
evening set	6554 Feb 20 12:55	14° H 01'45		evening max el	6555 Jan 21 00:33	24° \approx 06'15	22°47'49
inferior conj	6554 Feb 25 20:42	7° H 45'22	2°36'51		6555 Jan 30 03:27	0° H	
minimum elong	6554 Feb 25 18:22	7° H 53'25	2°36'15	retrograde	6555 Jan 31 01:34	0° H 03'57	
min. Earth dist.	6554 Feb 26 01:37	7° H 28'15	0.68113 AU		6555 Jan 31 23:11	30° R \approx	
morning rise	6554 Mar 02 23:40	1° H 33'04		asc. node	6555 Feb 03 18:36	28° \approx 53'37	
	6554 Mar 05 06:08	30° R \approx		evening set	6555 Feb 04 20:11	28° \approx 06'10	
direct	6554 Mar 08 02:04	29° \approx 20'06		inferior conj	6555 Feb 10 05:04	21° \approx 42'10	2°00'15
	6554 Mar 11 02:56	0° H		minimum elong	6555 Feb 10 02:51	21° \approx 49'52	1°59'32
morning max el	6554 Mar 18 05:59	5° H 21'35	23°05'12	min. Earth dist.	6555 Feb 09 22:13	22° \approx 05'54	0.68253 AU
desc. node	6554 Mar 24 11:31	12° H 28'16		morning rise	6555 Feb 15 09:24	15° \approx 33'51	
	6554 Apr 06 05:12	0° Y		direct	6555 Feb 19 21:24	13° \approx 43'21	
morning set	6554 Apr 21 22:18	24° Y 38'40		morning max el	6555 Feb 28 19:26	18° \approx 54'49	21°38'39
	6554 Apr 25 02:23	0° B			6555 Mar 10 00:20	0° H	
max. Earth dist.	6554 Apr 26 05:43	1° B 57'28	1.39659 AU	desc. node	6555 Mar 11 08:31	1° H 49'13	
					6555 Mar 30 09:09	0° Y	
superior conj	6554 May 03 22:16	15° B 40'56	-1°40'20	morning set	6555 Apr 01 21:36	3° Y 58'48	
minimum elong	6554 May 04 03:37	16° B 05'32	1°39'45	max. Earth dist.	6555 Apr 08 05:37	14° Y 15'40	1.41806 AU
	6554 May 11 12:27	0° II					
evening rise	6554 May 13 13:02	3° II 52'59		superior conj	6555 Apr 15 19:36	27° Y 08'42	-2°01'30
asc. node	6554 May 15 20:45	8° II 18'42		minimum elong	6555 Apr 16 00:06	27° Y 28'22	2°01'16
evening max el	6554 May 29 16:26	29° II 52'42	18°33'22		6555 Apr 17 10:41	0° B	
	6554 May 29 19:26	0° S		evening rise	6555 Apr 26 17:58	16° B 48'31	
retrograde	6554 Jun 06 11:13	3° S 44'09		asc. node	6555 May 02 17:47	27° B 39'10	
evening set	6554 Jun 08 15:26	3° S 27'02			6555 May 04 02:14	0° II	
	6554 Jun 14 23:43	30° R II		evening max el	6555 May 13 01:43	12° II 40'37	18°10'26
inferior conj	6554 Jun 16 07:47	28° II 58'44	1°11'13	retrograde	6555 May 19 23:00	16° II 09'20	
minimum elong	6554 Jun 16 10:12	28° II 54'01	1°10'20	evening set	6555 May 22 10:24	15° II 42'56	
min. Earth dist.	6554 Jun 19 16:14	26° II 23'42	0.57792 AU	inferior conj	6555 May 29 08:24	10° II 54'18	2°22'17
desc. node	6554 Jun 20 10:48	25° II 50'12		minimum elong	6555 May 29 11:40	10° II 46'52	2°21'23
morning rise	6554 Jun 24 01:38	23° II 39'09		min. Earth dist.	6555 Jun 01 16:49	7° II 53'31	0.59955 AU
direct	6554 Jun 29 21:26	22° II 13'14		morning rise	6555 Jun 05 10:12	5° II 07'01	
	6554 Jul 14 10:34	0° S		desc. node	6555 Jun 07 07:50	4° II 07'18	
morning max el	6554 Jul 14 06:44	29° II 50'39	26°46'59	direct	6555 Jun 11 21:36	3° II 07'39	
	6554 Aug 04 12:07	0° O		morning max el	6555 Jun 26 06:11	11° II 01'57	27°39'20
asc. node	6554 Aug 11 20:03	14° O 21'53			6555 Jul 11 01:01	0° S	
morning set	6554 Aug 12 21:22	16° O 34'42			6555 Jul 27 15:22	0° O	
	6554 Aug 19 01:25	0° M		morning set	6555 Jul 28 04:00	1° O 05'29	
				asc. node	6555 Jul 29 17:03	4° O 20'21	
superior conj	6554 Aug 19 20:45	1° M 47'03	1°14'36	max. Earth dist.	6555 Aug 03 11:30	14° O 41'11	1.31832 AU
minimum elong	6554 Aug 19 18:28	1° M 34'28	1°14'15				
max. Earth dist.	6554 Aug 20 00:53	2° M 10'00	1.31872 AU	superior conj	6555 Aug 04 08:13	16° O 35'31	0°55'24
evening rise	6554 Aug 26 17:10	16° M 42'27		minimum elong	6555 Aug 04 06:08	16° O 23'57	0°54'58
	6554 Sep 02 08:04	0° S			6555 Aug 10 10:54	0° M	
desc. node	6554 Sep 16 09:57	22° S 59'48		evening rise	6555 Aug 11 02:48	1° M 25'09	
	6554 Sep 21 23:59	0° M			6555 Aug 26 12:12	0° S	
evening max el	6554 Sep 26 00:38	4° M 11'55	26°50'45	desc. node	6555 Sep 03 07:00	10° S 37'31	
retrograde	6554 Oct 09 22:10	11° M 21'16		evening max el	6555 Sep 07 20:50	15° S 31'25	25°45'11
evening set	6554 Oct 16 20:14	9° M 18'14		retrograde	6555 Sep 21 19:36	22° S 36'29	
min. Earth dist.	6554 Oct 20 14:43	6° M 40'56	0.60314 AU	evening set	6555 Sep 27 23:47	21° S 06'38	
inferior conj	6554 Oct 23 19:29	4° M 03'41	-4°22'02	min. Earth dist.	6555 Oct 02 09:08	18° S 30'26	0.58244 AU
minimum elong	6554 Oct 24 02:13	3° M 49'48	4°20'19	inferior conj	6555 Oct 05 12:30	16° S 16'15	-5°08'57
	6554 Oct 29 16:03	30° R S		minimum elong	6555 Oct 05 17:24	16° S 07'29	5°08'16
morning rise	6554 Oct 31 10:23	29° S 19'31		morning rise	6555 Oct 13 13:21	11° S 55'08	
direct	6554 Nov 02 16:57	28° S 59'49		direct	6555 Oct 15 22:46	11° S 36'59	
	6554 Nov 06 13:56	0° M		morning max el	6555 Oct 24 09:12	15° S 39'43	18°43'13
asc. node	6554 Nov 07 19:22	0° M 44'14		asc. node	6555 Oct 25 16:24	16° S 59'49	
morning max el	6554 Nov 10 03:18	2° M 40'16	18°06'17		6555 Nov 03 10:59	0° M	

morning set	6555 Nov 09 16:21	11° \mathbb{M} 45'29		asc. node	6556 Oct 11 13:25	4° \mathbb{A} 20'14	
				morning set	6556 Oct 23 19:31	26° \mathbb{A} 15'43	
superior conj	6555 Nov 18 07:38	28° \mathbb{M} 27'30	1°19'25		6556 Oct 25 15:49	0° \mathbb{M}	
minimum elong	6555 Nov 18 10:59	28° \mathbb{M} 43'17	1°19'05				
	6555 Nov 19 03:20	0° \mathbb{A}		superior conj	6556 Oct 31 16:28	12° \mathbb{M} 08'16	1°34'45
max. Earth dist.	6555 Nov 25 12:21	11° \mathbb{A} 34'46	1.39607 AU	minimum elong	6556 Oct 31 18:36	12° \mathbb{M} 18'47	1°34'38
evening rise	6555 Nov 29 12:53	18° \mathbb{A} 30'56		max. Earth dist.	6556 Nov 06 17:32	23° \mathbb{M} 45'34	1.37487 AU
desc. node	6555 Nov 30 06:10	19° \mathbb{A} 43'39		evening rise	6556 Nov 10 11:36	0° \mathbb{A} 35'51	
	6555 Dec 06 13:37	0° \mathbb{B}			6556 Nov 10 03:35	0° \mathbb{A}	
	6555 Dec 27 16:00	0° \mathbb{A}		desc. node	6556 Nov 16 03:10	10° \mathbb{A} 20'21	
evening max el	6556 Jan 03 14:25	7° \mathbb{A} 48'22	24°07'48		6556 Nov 28 19:16	0° \mathbb{B}	
retrograde	6556 Jan 14 18:06	14° \mathbb{A} 21'37		evening max el	6556 Dec 16 03:19	21° \mathbb{B} 33'46	25°23'07
evening set	6556 Jan 20 01:15	12° \mathbb{A} 09'13		retrograde	6556 Dec 28 06:10	28° \mathbb{B} 32'35	
asc. node	6556 Jan 21 15:39	10° \mathbb{A} 36'01		evening set	6557 Jan 03 02:29	26° \mathbb{B} 07'20	
min. Earth dist.	6556 Jan 24 18:38	6° \mathbb{A} 42'41	0.68003 AU	min. Earth dist.	6557 Jan 07 12:33	21° \mathbb{B} 15'11	0.67388 AU
inferior conj	6556 Jan 25 12:39	5° \mathbb{A} 41'47	1°15'49	asc. node	6557 Jan 07 12:41	21° \mathbb{B} 14'45	
minimum elong	6556 Jan 25 11:00	5° \mathbb{A} 47'23	1°15'14	inferior conj	6557 Jan 08 17:38	19° \mathbb{B} 41'15	0°24'17
	6556 Jan 30 10:12	30° \mathbb{R} \mathbb{B}		minimum elong	6557 Jan 08 17:02	19° \mathbb{B} 43'13	0°24'05
morning rise	6556 Jan 30 20:47	29° \mathbb{B} 39'02		morning rise	6557 Jan 14 07:53	13° \mathbb{B} 46'07	
direct	6556 Feb 03 19:15	28° \mathbb{B} 10'54		direct	6557 Jan 17 18:14	12° \mathbb{B} 38'19	
	6556 Feb 08 13:53	0° \mathbb{A}		morning max el	6557 Jan 24 20:03	16° \mathbb{B} 34'08	19°19'09
morning max el	6556 Feb 11 15:47	2° \mathbb{A} 39'06	20°21'56		6557 Feb 04 05:45	0° \mathbb{A}	
desc. node	6556 Feb 26 05:31	21° \mathbb{A} 39'14		greatest brilliancy	6557 Feb 07 01:09	4° \mathbb{A} 09'49	-0.7m
	6556 Mar 02 20:25	0° \mathbb{H}		desc. node	6557 Feb 12 02:29	11° \mathbb{A} 50'16	
morning set	6556 Mar 10 22:22	12° \mathbb{H} 20'11		morning set	6557 Feb 17 21:29	20° \mathbb{A} 45'22	
max. Earth dist.	6556 Mar 20 12:38	27° \mathbb{H} 27'15	1.43607 AU		6557 Feb 23 20:26	0° \mathbb{H}	
	6556 Mar 22 02:31	0° \mathbb{Y}		max. Earth dist.	6557 Mar 03 02:34	11° \mathbb{H} 22'05	1.44853 AU
superior conj	6556 Mar 26 16:57	7° \mathbb{Y} 31'49	-2°10'25	superior conj	6557 Mar 06 13:37	16° \mathbb{H} 51'09	-2°01'26
minimum elong	6556 Mar 26 17:12	7° \mathbb{Y} 32'50	2°10'26	minimum elong	6557 Mar 06 07:13	16° \mathbb{H} 25'39	2°01'05
evening rise	6556 Apr 08 06:09	28° \mathbb{Y} 56'33			6557 Mar 14 17:26	0° \mathbb{Y}	
	6556 Apr 08 20:41	0° \mathbb{B}		evening rise	6557 Mar 20 21:07	10° \mathbb{Y} 08'08	
asc. node	6556 Apr 18 14:49	16° \mathbb{B} 34'42			6557 Apr 02 01:30	0° \mathbb{B}	
evening max el	6556 Apr 25 14:23	25° \mathbb{B} 51'14	18°06'58	asc. node	6557 Apr 05 11:52	4° \mathbb{B} 56'29	
retrograde	6556 May 02 01:15	29° \mathbb{B} 12'30		evening max el	6557 Apr 09 03:16	9° \mathbb{B} 15'19	18°22'13
evening set	6556 May 04 19:39	28° \mathbb{B} 34'32		retrograde	6557 Apr 15 13:36	12° \mathbb{B} 43'11	
inferior conj	6556 May 11 03:04	23° \mathbb{B} 26'21	3°05'09	evening set	6557 Apr 18 14:45	11° \mathbb{B} 52'20	
minimum elong	6556 May 11 05:27	23° \mathbb{B} 20'11	3°04'43	inferior conj	6557 Apr 24 11:35	6° \mathbb{B} 25'42	3°25'14
min. Earth dist.	6556 May 14 01:40	20° \mathbb{B} 24'40	0.62171 AU	minimum elong	6557 Apr 24 12:29	6° \mathbb{B} 23'05	3°25'08
morning rise	6556 May 17 13:30	17° \mathbb{B} 22'21		min. Earth dist.	6557 Apr 26 19:37	3° \mathbb{B} 44'27	0.64182 AU
direct	6556 May 24 08:31	14° \mathbb{B} 54'39		morning rise	6557 Apr 30 09:18	0° \mathbb{B} 13'20	
desc. node	6556 May 24 04:51	14° \mathbb{B} 54'44			6557 Apr 30 15:59	30° \mathbb{R} \mathbb{Y}	
morning max el	6556 Jun 07 11:32	22° \mathbb{B} 56'13	27°54'00	direct	6557 May 07 03:45	27° \mathbb{Y} 28'48	
	6556 Jun 13 17:47	0° \mathbb{I}		desc. node	6557 May 11 01:52	28° \mathbb{Y} 16'35	
	6556 Jul 03 06:27	0° \mathbb{B}			6557 May 14 08:50	0° \mathbb{B}	
morning set	6556 Jul 11 05:17	15° \mathbb{B} 18'00		morning max el	6557 May 20 20:32	5° \mathbb{B} 27'16	27°31'59
asc. node	6556 Jul 15 14:04	24° \mathbb{B} 25'14			6557 Jun 08 11:48	0° \mathbb{I}	
max. Earth dist.	6556 Jul 16 18:51	26° \mathbb{B} 59'52	1.32243 AU	morning set	6557 Jun 24 22:42	29° \mathbb{I} 04'07	
	6556 Jul 18 04:05	0° \mathbb{Q}			6557 Jun 25 10:00	0° \mathbb{B}	
superior conj	6556 Jul 18 17:44	1° \mathbb{Q} 14'26	0°32'05	max. Earth dist.	6557 Jun 29 19:08	8° \mathbb{B} 54'55	1.33120 AU
minimum elong	6556 Jul 18 16:19	1° \mathbb{Q} 06'41	0°31'44	asc. node	6557 Jul 02 11:04	14° \mathbb{B} 31'47	
evening rise	6556 Jul 25 14:19	16° \mathbb{Q} 10'26		superior conj	6557 Jul 02 23:20	15° \mathbb{B} 37'06	0°05'16
	6556 Aug 01 09:54	0° \mathbb{P}		minimum elong	6557 Jul 02 23:04	15° \mathbb{B} 35'43	0°05'09
evening max el	6556 Aug 19 10:22	26° \mathbb{P} 07'27	24°15'40	behind sun begin	6557 Jul 02 17:54	15° \mathbb{B} 08'11	
desc. node	6556 Aug 20 04:02	26° \mathbb{P} 48'59		behind sun end	6557 Jul 03 04:14	16° \mathbb{B} 03'18	
	6556 Aug 24 04:34	0° \mathbb{A}			6557 Jul 09 16:04	0° \mathbb{Q}	
retrograde	6556 Sep 02 05:20	3° \mathbb{A} 03'15		evening rise	6557 Jul 10 01:49	0° \mathbb{Q} 51'43	
evening set	6556 Sep 07 02:34	2° \mathbb{A} 10'23			6557 Jul 26 10:12	0° \mathbb{P}	
	6556 Sep 11 16:01	30° \mathbb{R} \mathbb{P}		evening max el	6557 Jul 31 23:01	6° \mathbb{P} 24'23	22°37'09
min. Earth dist.	6556 Sep 12 21:16	29° \mathbb{P} 16'30	0.56417 AU	desc. node	6557 Aug 07 01:05	11° \mathbb{P} 02'28	
inferior conj	6556 Sep 15 09:17	27° \mathbb{P} 42'54	-5°25'36	retrograde	6557 Aug 14 02:09	12° \mathbb{P} 56'54	
minimum elong	6556 Sep 15 08:36	27° \mathbb{P} 43'58	5°25'36	evening set	6557 Aug 17 11:00	12° \mathbb{P} 32'02	
morning rise	6556 Sep 23 16:57	23° \mathbb{P} 42'22		min. Earth dist.	6557 Aug 25 06:32	9° \mathbb{P} 05'31	0.55159 AU
direct	6556 Sep 26 09:30	23° \mathbb{P} 23'13		inferior conj	6557 Aug 26 11:38	8° \mathbb{P} 24'08	-4°54'45
morning max el	6556 Oct 06 04:33	27° \mathbb{P} 58'55	19°42'06	minimum elong	6557 Aug 26 04:18	8° \mathbb{P} 34'36	4°53'29
	6556 Oct 08 03:30	0° \mathbb{A}		morning rise	6557 Sep 03 23:31	4° \mathbb{P} 34'59	

direct	6557 Sep 07 02:45	4° \cap 12'27		direct	6558 Aug 18 11:15	14° Ω 12'46	
morning max el	6557 Sep 18 11:19	9° \cap 30'42	21°02'49	morning max el	6558 Aug 31 06:57	20° Ω 18'43	22°40'56
asc. node	6557 Sep 28 10:25	22° \cap 30'58			6558 Sep 08 09:54	0° \cap	
	6557 Oct 02 15:23	0° $\underline{\Omega}$		asc. node	6558 Sep 15 07:26	11° \cap 20'13	
morning set	6557 Oct 08 03:32	10° $\underline{\Omega}$ 58'52		morning set	6558 Sep 22 14:17	25° \cap 48'45	
					6558 Sep 24 13:37	0° $\underline{\Omega}$	
superior conj	6557 Oct 15 12:19	26° $\underline{\Omega}$ 20'38	1°41'46	superior conj	6558 Sep 29 15:45	10° $\underline{\Omega}$ 54'20	1°41'39
minimum elong	6557 Oct 15 13:00	26° $\underline{\Omega}$ 24'04	1°41'47	minimum elong	6558 Sep 29 15:07	10° $\underline{\Omega}$ 50'56	1°41'40
	6557 Oct 17 07:11	0° \cap		max. Earth dist.	6558 Oct 02 20:18	17° $\underline{\Omega}$ 37'11	1.33967 AU
max. Earth dist.	6557 Oct 20 03:00	5° \cap 39'38	1.35553 AU	evening rise	6558 Oct 07 12:58	27° $\underline{\Omega}$ 06'26	
evening rise	6557 Oct 24 05:00	13° \cap 31'16			6558 Oct 09 00:43	0° \cap	
	6557 Nov 02 13:09	0° \times		desc. node	6558 Oct 20 21:16	20° \cap 53'21	
desc. node	6557 Nov 03 00:13	0° \times 45'40			6558 Oct 26 20:19	0° \times	
	6557 Nov 23 16:48	0° Z		evening max el	6558 Nov 11 05:12	18° \times 51'04	27°10'17
evening max el	6557 Nov 28 16:24	5° Z 18'01	26°26'24	retrograde	6558 Nov 24 14:03	26° \times 09'53	
retrograde	6557 Dec 11 13:00	12° Z 31'24		evening set	6558 Dec 01 10:03	23° \times 31'24	
evening set	6557 Dec 17 22:09	9° Z 56'40		min. Earth dist.	6558 Dec 05 07:26	19° \times 49'09	0.65081 AU
min. Earth dist.	6557 Dec 22 01:35	5° Z 39'39	0.66411 AU	inferior conj	6558 Dec 07 11:48	17° \times 23'51	-1°36'35
inferior conj	6557 Dec 23 18:07	3° Z 37'10	-0°33'34	minimum elong	6558 Dec 07 14:38	17° \times 15'55	1°35'21
minimum elong	6557 Dec 23 19:02	3° Z 34'23	0°33'07	asc. node	6558 Dec 12 06:45	12° \times 47'22	
asc. node	6557 Dec 25 09:43	1° Z 40'07		morning rise	6558 Dec 13 20:27	11° \times 51'51	
	6557 Dec 26 23:18	30° R \times		direct	6558 Dec 16 12:03	11° \times 14'35	
morning rise	6557 Dec 29 16:37	27° \times 52'10		morning max el	6558 Dec 22 22:54	14° \times 39'58	18°02'06
direct	6558 Jan 01 16:36	27° \times 01'30			6559 Jan 02 22:10	0° Z	
	6558 Jan 07 15:53	0° Z		morning set	6559 Jan 09 20:42	11° Z 25'12	
morning max el	6558 Jan 08 07:14	0° Z 36'44	18°32'17	desc. node	6559 Jan 16 20:29	22° Z 53'35	
morning set	6558 Jan 28 18:18	0° \approx 21'05			6559 Jan 21 06:15	0° \approx	
	6558 Jan 28 12:58	0° \approx					
desc. node	6558 Jan 29 23:29	2° \approx 16'46		superior conj	6559 Jan 24 02:51	4° \approx 33'25	-0°49'49
				minimum elong	6559 Jan 23 20:52	4° \approx 09'39	0°48'58
superior conj	6558 Feb 13 18:38	25° \approx 34'20	-1°32'35	max. Earth dist.	6559 Jan 27 17:04	10° \approx 13'59	1.45200 AU
minimum elong	6558 Feb 13 09:06	24° \approx 56'56	1°31'35	evening rise	6559 Feb 09 08:23	29° \approx 53'58	
max. Earth dist.	6558 Feb 13 21:15	25° \approx 44'34	1.45402 AU		6559 Feb 09 09:57	0° X	
	6558 Feb 16 14:26	0° X		greatest brilliancy	6559 Feb 23 00:22	20° X 44'06	-0.7m
evening rise	6558 Mar 01 12:47	20° X 23'22			6559 Mar 01 12:40	0° Y	
	6558 Mar 07 14:00	0° Y		evening max el	6559 Mar 06 19:52	6° Y 21'18	19°44'46
greatest brilliancy	6558 Mar 10 12:09	4° Y 36'42	-0.8m	asc. node	6559 Mar 10 05:59	9° Y 15'40	
asc. node	6558 Mar 23 08:55	22° Y 34'30		retrograde	6559 Mar 14 05:59	10° Y 38'12	
evening max el	6558 Mar 23 13:46	22° Y 46'53	18°55'15	evening set	6559 Mar 17 22:02	9° Y 19'27	
retrograde	6558 Mar 30 08:13	26° Y 33'57		inferior conj	6559 Mar 23 07:41	3° Y 21'08	3°16'24
evening set	6558 Apr 02 16:24	25° Y 29'24		minimum elong	6559 Mar 23 06:08	3° Y 26'17	3°16'11
inferior conj	6558 Apr 08 06:11	19° Y 45'56	3°27'41	min. Earth dist.	6559 Mar 24 09:20	1° Y 55'46	0.67057 AU
minimum elong	6558 Apr 08 05:42	19° Y 47'30	3°27'38		6559 Mar 25 21:23	30° R X	
min. Earth dist.	6558 Apr 09 22:38	17° Y 39'08	0.65832 AU	morning rise	6559 Mar 28 14:00	27° X 05'07	
morning rise	6558 Apr 13 18:32	13° Y 30'13		direct	6559 Apr 03 14:05	24° X 24'22	
direct	6558 Apr 20 05:53	10° Y 41'55			6559 Apr 13 23:51	0° Y	
desc. node	6558 Apr 27 22:53	13° Y 45'08		desc. node	6559 Apr 14 19:52	0° Y 47'38	
morning max el	6558 May 03 06:49	18° Y 25'24	26°39'03	morning max el	6559 Apr 15 16:28	1° Y 38'44	25°23'56
	6558 May 13 00:56	0° Z			6559 May 07 02:22	0° Z	
	6558 Jun 01 11:28	0° II		morning set	6559 May 21 20:06	24° Z 39'08	
morning set	6558 Jun 08 05:04	12° II 15'06			6559 May 24 18:00	0° II	
max. Earth dist.	6558 Jun 12 09:23	20° II 21'57	1.34469 AU	max. Earth dist.	6559 May 25 12:40	1° II 27'25	1.36255 AU
				superior conj	6559 May 31 13:18	13° II 07'44	-0°54'58
superior conj	6558 Jun 16 22:46	29° II 37'23	-0°24'14	minimum elong	6559 May 31 16:29	13° II 23'35	0°54'25
minimum elong	6558 Jun 17 00:07	29° II 44'18	0°24'00	asc. node	6559 Jun 06 05:11	24° II 34'46	
	6558 Jun 17 03:08	0° Z		evening rise	6559 Jun 08 16:49	29° II 38'28	
asc. node	6558 Jun 19 08:07	4° Z 36'18			6559 Jun 08 21:04	0° Z	
evening rise	6558 Jun 24 11:23	15° Z 23'15		evening max el	6559 Jun 26 03:58	28° Z 09'06	19°50'29
	6558 Jul 01 21:14	0° Ω			6559 Jun 28 06:08	0° Ω	
evening max el	6558 Jul 13 19:11	16° Ω 56'59	21°05'26	retrograde	6559 Jul 06 07:12	3° Ω 07'45	
desc. node	6558 Jul 24 22:08	22° Ω 46'28		evening set	6559 Jul 08 04:18	2° Ω 58'14	
retrograde	6558 Jul 25 15:03	22° Ω 47'41		desc. node	6559 Jul 11 19:10	1° Ω 51'32	
evening set	6558 Jul 27 21:13	22° Ω 35'43			6559 Jul 15 08:50	30° R Z	
inferior conj	6558 Aug 06 04:35	18° Ω 38'00	-3°31'24	inferior conj	6559 Jul 17 02:40	28° Z 56'50	-1°36'18
minimum elong	6558 Aug 05 19:42	18° Ω 50'31	3°28'41	minimum elong	6559 Jul 16 22:13	29° Z 03'40	1°34'39
min. Earth dist.	6558 Aug 06 16:07	18° Ω 21'45	0.54744 AU				
morning rise	6558 Aug 14 18:39	14° Ω 42'00					

min. Earth dist.	6559 Jul 19 04:19	27°  40'49	0.55287 AU	minimum elong	6560 Jun 26 18:24	9°  45'13	0°16'23
morning rise	6559 Jul 25 14:09	24°  33'33		desc. node	6560 Jun 27 16:12	9°  06'27	
direct	6559 Jul 30 00:44	23°  50'07		min. Earth dist.	6560 Jun 29 20:00	7°  35'44	0.56699 AU
	6559 Aug 12 03:01	0°  ♁		morning rise	6560 Jul 04 19:40	4°  54'40	
morning max el	6559 Aug 12 20:45	0°  ♁40'54	24°25'47	direct	6560 Jul 10 03:57	3°  58'24	
	6559 Sep 01 20:35	0°  ♁		morning max el	6560 Jul 24 10:59	11°  02'44	26°01'51
asc. node	6559 Sep 02 04:28	0°  ♁38'26			6560 Aug 08 00:31	0°  ♁	
morning set	6559 Sep 07 02:03	10°  ♁40'32		asc. node	6560 Aug 19 01:30	20°  ♁17'02	
				morning set	6560 Aug 21 13:08	25°  ♁28'03	
superior conj	6559 Sep 14 00:07	25°  ♁41'32	1°35'22		6560 Aug 23 15:46	0°  ♁	
minimum elong	6559 Sep 13 22:31	25°  ♁32'47	1°35'14	superior conj	6560 Aug 28 11:09	10°  ♁34'00	1°23'37
	6559 Sep 15 23:48	0°  ♁		minimum elong	6560 Aug 28 08:59	10°  ♁22'04	1°23'20
max. Earth dist.	6559 Sep 15 21:53	29°  ♁49'38	1.32807 AU	max. Earth dist.	6560 Aug 29 05:39	12°  ♁16'01	1.32089 AU
evening rise	6559 Sep 21 07:51	11°  ♁12'01		evening rise	6560 Sep 04 10:24	25°  ♁38'01	
	6559 Oct 01 07:03	0°  ♁			6560 Sep 06 13:20	0°  ♁	
desc. node	6559 Oct 07 18:20	10°  ♁35'55		desc. node	6560 Sep 23 15:23	29°  ♁42'08	
	6559 Oct 22 15:21	0°  ♁			6560 Sep 23 20:20	0°  ♁	
evening max el	6559 Oct 24 16:24	2°  ♁01'49	27°27'56	evening max el	6560 Oct 05 23:49	14°  ♁37'22	27°14'05
retrograde	6559 Nov 07 08:51	9°  ♁19'27		retrograde	6560 Oct 19 20:26	21°  ♁49'54	
evening set	6559 Nov 14 11:27	6°  ♁45'59		evening set	6560 Oct 26 22:41	19°  ♁32'39	
min. Earth dist.	6559 Nov 18 04:11	3°  ♁35'26	0.63422 AU	min. Earth dist.	6560 Oct 30 14:32	16°  ♁46'26	0.61494 AU
inferior conj	6559 Nov 20 20:05	0°  ♁55'30	-2°42'37	inferior conj	6560 Nov 02 15:51	14°  ♁03'55	-3°47'44
minimum elong	6559 Nov 21 01:00	0°  ♁43'10	2°40'45	minimum elong	6560 Nov 02 22:21	13°  ♁49'28	3°45'43
	6559 Nov 21 18:25	30°  ♁		morning rise	6560 Nov 10 00:06	9°  ♁07'04	
morning rise	6559 Nov 27 16:18	25°  ♁39'33		direct	6560 Nov 12 06:40	8°  ♁45'24	
asc. node	6559 Nov 29 03:46	25°  ♁16'00		asc. node	6560 Nov 15 00:48	9°  ♁18'28	
direct	6559 Nov 30 01:53	25°  ♁11'52		morning max el	6560 Nov 19 07:30	12°  ♁18'02	17°54'26
morning max el	6559 Dec 06 16:04	28°  ♁36'39	17°49'09		6560 Dec 01 04:23	0°  ♁	
	6559 Dec 07 23:21	0°  ♁		morning set	6560 Dec 05 01:10	6°  ♁59'46	
morning set	6559 Dec 23 01:11	23°  ♁44'47					
	6559 Dec 26 15:57	0°  ♁		superior conj	6560 Dec 15 13:57	25°  ♁50'04	0°35'52
desc. node	6560 Jan 03 17:32	13°  ♁36'58		minimum elong	6560 Dec 15 16:53	26°  ♁02'44	0°35'29
				desc. node	6560 Dec 20 14:34	4°  ♁23'12	
superior conj	6560 Jan 04 07:23	14°  ♁34'07	-0°04'09	max. Earth dist.	6560 Dec 23 00:32	8°  ♁23'17	1.42767 AU
minimum elong	6560 Jan 04 06:57	14°  ♁32'19	0°04'01	evening rise	6560 Dec 29 12:21	18°  ♁49'19	
behind sun begin	6560 Jan 03 21:39	13°  ♁53'59			6561 Jan 05 18:27	0°  ♁	
behind sun end	6560 Jan 04 16:14	15°  ♁10'35			6561 Jan 27 09:40	0°  ♁	
max. Earth dist.	6560 Jan 10 10:46	24°  ♁31'39	1.44286 AU	evening max el	6561 Jan 30 16:07	3°  ♁35'05	22°02'34
	6560 Jan 13 21:38	0°  ♁		retrograde	6561 Feb 09 01:36	9°  ♁09'41	
evening rise	6560 Jan 19 19:02	9°  ♁09'44		asc. node	6561 Feb 11 00:03	8°  ♁50'09	
	6560 Feb 02 15:52	0°  ♁		evening set	6561 Feb 13 13:25	7°  ♁20'57	
evening max el	6560 Feb 17 20:36	19°  ♁57'09	20°48'25	inferior conj	6561 Feb 18 21:29	1°  ♁01'02	2°22'20
asc. node	6560 Feb 25 03:02	24°  ♁45'29		minimum elong	6561 Feb 18 19:09	1°  ♁09'09	2°21'41
retrograde	6560 Feb 26 04:25	24°  ♁51'23		min. Earth dist.	6561 Feb 18 21:24	1°  ♁01'21	0.68217 AU
evening set	6560 Mar 01 05:37	23°  ♁17'52			6561 Feb 19 15:05	30°  ♁	
inferior conj	6560 Mar 06 13:30	17°  ♁07'16	2°54'03	morning rise	6561 Feb 24 00:42	24°  ♁50'06	
minimum elong	6560 Mar 06 11:21	17°  ♁14'44	2°53'35	direct	6561 Feb 28 21:00	22°  ♁46'14	
min. Earth dist.	6560 Mar 07 01:42	16°  ♁25'16	0.67847 AU	morning max el	6561 Mar 10 11:49	28°  ♁26'16	22°27'32
morning rise	6560 Mar 11 16:52	10°  ♁52'57			6561 Mar 11 23:41	0°  ♁	
direct	6560 Mar 17 03:26	8°  ♁28'08		desc. node	6561 Mar 18 13:54	7°  ♁57'29	
morning max el	6560 Mar 28 01:16	14°  ♁59'10	23°56'43		6561 Apr 03 00:31	0°  ♁	
desc. node	6560 Mar 31 16:53	18°  ♁58'05		morning set	6561 Apr 13 05:54	16°  ♁06'48	
	6560 Apr 09 07:52	0°  ♁		max. Earth dist.	6561 Apr 18 05:20	24°  ♁23'24	1.40596 AU
morning set	6560 Apr 29 00:47	0°  ♁			6561 Apr 21 11:48	0°  ♁	
max. Earth dist.	6560 May 02 14:14	6°  ♁01'00		superior conj	6561 Apr 26 00:41	8°  ♁01'20	-1°50'25
	6560 May 06 08:40	12°  ♁36'04	1.38373 AU	minimum elong	6561 Apr 26 06:01	8°  ♁25'17	1°49'58
superior conj	6560 May 13 15:23	25°  ♁59'01	-1°24'48	evening rise	6561 May 06 03:57	26°  ♁48'14	
minimum elong	6560 May 13 20:13	26°  ♁21'55	1°24'09		6561 May 07 20:47	0°  ♁	
	6560 May 15 17:48	0°  ♁		asc. node	6561 May 09 23:16	3°  ♁54'42	
evening rise	6560 May 22 15:25	13°  ♁29'24		evening max el	6561 May 22 06:50	22°  ♁36'32	18°21'11
asc. node	6560 May 23 02:14	14°  ♁22'22		retrograde	6561 May 29 14:49	26°  ♁15'53	
	6560 Jun 01 13:10	0°  ♁		evening set	6561 May 31 22:13	25°  ♁55'04	
evening max el	6560 Jun 08 00:54	10°  ♁04'21	18°55'38	inferior conj	6561 Jun 08 06:24	21°  ♁18'17	1°45'00
retrograde	6560 Jun 16 13:27	14°  ♁15'58		minimum elong	6561 Jun 08 09:29	21°  ♁11'52	1°44'00
evening set	6560 Jun 18 13:45	14°  ♁02'52					
inferior conj	6560 Jun 26 17:44	9°  ♁46'24	0°16'41				

min. Earth dist.	6561 Jun 11 16:31	18° Π 29'21	0.58694 AU	min. Earth dist.	6562 May 24 20:09	0° Π 26'31	0.60915 AU
desc. node	6561 Jun 14 13:12	16° Π 27'07			6562 May 25 07:56	30° \mathbb{R} 8	
morning rise	6561 Jun 15 17:36	15° Π 45'54		morning rise	6562 May 28 10:15	27° \mathbb{B} 34'50	
direct	6561 Jun 21 21:11	14° Π 05'29		desc. node	6562 Jun 01 10:13	25° \mathbb{B} 43'29	
morning max el	6561 Jul 06 06:23	21° Π 50'48	27°13'28	direct	6562 Jun 04 01:55	25° \mathbb{B} 22'40	
	6561 Jul 13 10:00	0° \mathfrak{E}			6562 Jun 14 15:36	0° Π	
	6561 Jul 31 22:11	0° Ω		morning max el	6562 Jun 18 08:28	3° Π 20'09	27°50'15
morning set	6561 Aug 05 21:53	10° Ω 06'32			6562 Jul 07 23:52	0° \mathfrak{E}	
asc. node	6561 Aug 05 22:32	10° Ω 09'58		morning set	6562 Jul 21 02:31	24° \mathfrak{E} 30'24	
				asc. node	6562 Jul 23 19:34	0° Ω 11'50	
superior conj	6561 Aug 12 22:58	25° Ω 25'41	1°07'00		6562 Jul 23 17:21	0° Ω	
minimum elong	6561 Aug 12 20:43	25° Ω 13'12	1°06'35	max. Earth dist.	6562 Jul 27 02:16	7° Ω 17'31	1.31960 AU
max. Earth dist.	6561 Aug 12 16:22	24° Ω 49'09	1.31809 AU				
	6561 Aug 15 00:32	0° \mathbb{M}		superior conj	6562 Jul 28 09:50	10° Ω 10'50	0°45'59
evening rise	6561 Aug 19 18:06	10° \mathbb{M} 16'57		minimum elong	6562 Jul 28 07:58	10° Ω 00'33	0°45'34
	6561 Aug 29 20:02	0° $\underline{\mathfrak{A}}$		evening rise	6562 Aug 04 04:48	25° Ω 01'52	
desc. node	6561 Sep 10 12:24	17° $\underline{\mathfrak{A}}$ 57'38			6562 Aug 06 13:27	0° \mathbb{M}	
evening max el	6561 Sep 18 00:49	26° $\underline{\mathfrak{A}}$ 26'44	26°26'30		6562 Aug 24 04:06	0° $\underline{\mathfrak{A}}$	
	6561 Sep 22 07:54	0° \mathbb{M}		desc. node	6562 Aug 28 09:25	5° $\underline{\mathfrak{A}}$ 02'17	
retrograde	6561 Oct 01 23:09	3° \mathbb{M} 33'35		evening max el	6562 Aug 30 17:54	7° $\underline{\mathfrak{A}}$ 26'24	25°09'10
evening set	6561 Oct 08 15:09	1° \mathbb{M} 44'00		retrograde	6562 Sep 13 15:29	14° $\underline{\mathfrak{A}}$ 27'56	
	6561 Oct 11 10:09	30° \mathbb{R} $\underline{\mathfrak{A}}$		evening set	6562 Sep 19 08:13	13° $\underline{\mathfrak{A}}$ 13'56	
min. Earth dist.	6561 Oct 12 14:19	29° $\underline{\mathfrak{A}}$ 09'11	0.59426 AU	min. Earth dist.	6562 Sep 24 05:22	10° $\underline{\mathfrak{A}}$ 32'38	0.57424 AU
inferior conj	6561 Oct 15 19:37	26° $\underline{\mathfrak{A}}$ 39'53	-4°44'34	inferior conj	6562 Sep 27 04:11	8° $\underline{\mathfrak{A}}$ 33'57	-5°20'45
minimum elong	6561 Oct 16 02:00	26° $\underline{\mathfrak{A}}$ 27'30	4°43'14	minimum elong	6562 Sep 27 07:09	8° $\underline{\mathfrak{A}}$ 28'58	5°20'32
morning rise	6561 Oct 23 15:02	22° $\underline{\mathfrak{A}}$ 05'03		morning rise	6562 Oct 05 08:20	4° $\underline{\mathfrak{A}}$ 22'18	
direct	6561 Oct 25 22:19	21° $\underline{\mathfrak{A}}$ 46'17		direct	6562 Oct 07 20:33	4° $\underline{\mathfrak{A}}$ 03'51	
asc. node	6561 Nov 01 21:50	24° $\underline{\mathfrak{A}}$ 49'18		morning max el	6562 Oct 16 19:33	8° $\underline{\mathfrak{A}}$ 18'51	19°05'34
morning max el	6561 Nov 02 17:48	25° $\underline{\mathfrak{A}}$ 35'11	18°19'21	asc. node	6562 Oct 19 18:52	11° $\underline{\mathfrak{A}}$ 34'40	
	6561 Nov 06 12:13	0° \mathbb{M}			6562 Oct 30 22:10	0° \mathbb{M}	
morning set	6561 Nov 18 14:54	20° \mathbb{M} 53'20		morning set	6562 Nov 02 14:09	5° \mathbb{M} 13'36	
	6561 Nov 23 09:54	0° \mathbb{J}					
superior conj	6561 Nov 27 20:06	8° \mathbb{J} 13'49	1°06'23	superior conj	6562 Nov 10 20:44	21° \mathbb{M} 31'34	1°27'01
minimum elong	6561 Nov 27 23:47	8° \mathbb{J} 30'41	1°05'58	minimum elong	6562 Nov 10 23:38	21° \mathbb{M} 45'31	1°26'47
max. Earth dist.	6561 Dec 05 09:43	21° \mathbb{J} 37'29	1.40826 AU	max. Earth dist.	6562 Nov 15 08:33	0° \mathbb{J}	
desc. node	6561 Dec 07 11:34	25° \mathbb{J} 08'39		evening rise	6562 Nov 17 15:29	4° \mathbb{J} 10'19	1.38695 AU
evening rise	6561 Dec 10 00:11	29° \mathbb{J} 20'15		desc. node	6562 Nov 21 10:34	10° \mathbb{J} 52'07	
	6561 Dec 10 09:53	0° \mathfrak{Z}			6562 Nov 24 08:35	15° \mathbb{J} 50'07	
	6561 Dec 30 07:06	0° \approx			6562 Dec 03 04:55	0° \mathfrak{Z}	
evening max el	6562 Jan 13 07:35	17° \approx 15'35	23°22'08	evening max el	6562 Dec 25 21:13	0° \approx	
retrograde	6562 Jan 23 20:00	23° \approx 28'44			6562 Dec 26 20:49	0° \approx 59'33	24°40'50
evening set	6562 Jan 28 19:53	21° \approx 24'39		retrograde	6563 Jan 07 10:40	7° \approx 44'41	
asc. node	6562 Jan 28 21:05	21° \approx 22'08		evening set	6563 Jan 12 23:32	5° \approx 26'16	
inferior conj	6562 Feb 03 05:42	14° \approx 58'59	1°42'19	asc. node	6563 Jan 15 18:06	2° \approx 33'03	
minimum elong	6562 Feb 03 03:39	15° \approx 06'00	1°41'38	min. Earth dist.	6563 Jan 17 13:36	0° \approx 14'34	0.67788 AU
min. Earth dist.	6562 Feb 02 18:06	15° \approx 38'49	0.68191 AU		6563 Jan 17 18:01	30° \mathbb{R} \mathfrak{Z}	
morning rise	6562 Feb 08 11:22	8° \approx 52'56		inferior conj	6563 Jan 18 12:23	28° \mathbb{R} 58'55	0°54'48
direct	6562 Feb 12 17:34	7° \approx 11'53		minimum elong	6563 Jan 18 11:07	29° \mathfrak{Z} 03'08	0°54'20
morning max el	6562 Feb 21 03:48	12° \approx 03'18	21°04'36	morning rise	6563 Jan 23 22:53	22° \mathfrak{Z} 59'26	
desc. node	6562 Mar 05 10:53	27° \approx 31'43		direct	6563 Jan 27 16:01	21° \mathfrak{Z} 40'21	
	6562 Mar 07 04:33	0° \mathbb{X}		morning max el	6563 Feb 04 03:37	25° \mathfrak{Z} 52'58	19°53'27
morning set	6562 Mar 23 17:58	24° \mathbb{X} 56'26			6563 Feb 07 19:44	0° \approx	
	6562 Mar 26 22:46	0° \mathbb{Y}		greatest brilliancy	6563 Feb 17 08:01	13° \approx 05'24	-0.6m
max. Earth dist.	6562 Mar 31 08:32	7° \mathbb{Y} 06'33	1.42631 AU	desc. node	6563 Feb 20 07:53	17° \approx 31'34	
					6563 Feb 28 13:20	0° \mathbb{X}	
superior conj	6562 Apr 07 12:15	19° \mathbb{Y} 02'32	-2°07'09	morning set	6563 Mar 02 14:49	3° \mathbb{X} 10'15	
minimum elong	6562 Apr 07 15:24	19° \mathbb{Y} 16'01	2°07'03	max. Earth dist.	6563 Mar 13 19:06	20° \mathbb{X} 39'48	1.44215 AU
	6562 Apr 13 19:42	0° \mathbb{B}					
evening rise	6562 Apr 19 02:16	9° \mathbb{B} 24'40		superior conj	6563 Mar 18 22:39	28° \mathbb{X} 56'33	-2°09'04
asc. node	6562 Apr 26 20:18	23° \mathbb{B} 05'25		minimum elong	6563 Mar 18 20:07	28° \mathbb{X} 46'14	2°09'00
	6562 May 01 05:14	0° Π			6563 Mar 19 14:15	0° \mathbb{Y}	
evening max el	6562 May 05 17:59	5° Π 35'17	18°06'35	evening rise	6563 Apr 01 05:54	21° \mathbb{Y} 09'33	
retrograde	6562 May 12 09:23	8° Π 58'53			6563 Apr 06 10:16	0° \mathbb{B}	
evening set	6562 May 14 23:55	8° Π 27'38		asc. node	6563 Apr 13 17:19	11° \mathbb{B} 47'36	
inferior conj	6562 May 21 15:11	3° Π 30'15	2°43'35	evening max el	6563 Apr 19 07:01	18° \mathbb{B} 52'01	18°11'10
minimum elong	6562 May 21 18:13	3° Π 22'57	2°42'53	retrograde	6563 Apr 25 16:38	22° \mathbb{B} 14'49	
				evening set	6563 Apr 28 13:50	21° \mathbb{B} 31'31	

inferior conj	6563 May 04 16:15	16°♄15'01	3°16'08	evening set	6564 Apr 11 12:04	4°♄58'24	
minimum elong	6563 May 04 18:02	16°♄10'11	3°15'52		6564 Apr 16 17:39	30°♄♂	
min. Earth dist.	6563 May 07 08:52	13°♄19'56	0.63059 AU	inferior conj	6564 Apr 17 05:31	29°♂24'31	3°28'10
morning rise	6563 May 10 20:52	10°♄06'25		minimum elong	6564 Apr 17 05:47	29°♂23'41	3°28'08
direct	6563 May 17 16:20	7°♄30'15		min. Earth dist.	6564 Apr 19 06:58	26°♂56'19	0.64923 AU
desc. node	6563 May 19 07:14	7°♄38'22		morning rise	6564 Apr 22 22:48	23°♂09'58	
morning max el	6563 May 31 15:57	15°♄31'59	27°48'57	direct	6564 Apr 29 14:48	20°♂22'04	
	6563 Jun 12 11:44	0°♂		desc. node	6564 May 05 04:15	21°♂58'09	
	6563 Jun 30 15:40	0°♄		morning max el	6564 May 13 01:57	28°♂16'56	27°12'52
morning set	6563 Jul 05 00:51	8°♄33'06			6564 May 14 17:24	0°♄	
max. Earth dist.	6563 Jul 10 07:17	19°♄28'31	1.32560 AU		6564 Jun 05 06:19	0°♂	
asc. node	6563 Jul 10 16:35	20°♄18'04		morning set	6564 Jun 17 14:06	22°♂06'36	
					6564 Jun 21 13:25	0°♄	
superior conj	6563 Jul 12 17:56	24°♄43'39	0°21'05	max. Earth dist.	6564 Jun 22 03:33	1°♄12'02	1.33628 AU
minimum elong	6563 Jul 12 16:57	24°♄38'18	0°20'50				
	6563 Jul 15 04:09	0°♂		superior conj	6564 Jun 25 21:16	8°♄58'24	-0°07'00
evening rise	6563 Jul 19 16:35	9°♂46'25		minimum elong	6564 Jun 25 21:38	9°♄00'21	0°06'58
	6563 Jul 30 01:39	0°♂		behind sun begin	6564 Jun 25 16:36	8°♄33'44	
evening max el	6563 Aug 12 05:53	17°♂49'54	23°33'46	behind sun end	6564 Jun 26 02:41	9°♄27'00	
desc. node	6563 Aug 15 06:28	20°♂28'07		asc. node	6564 Jun 26 13:37	10°♄24'47	
retrograde	6563 Aug 25 20:00	24°♂38'47		evening rise	6564 Jul 03 03:32	24°♄24'51	
evening set	6563 Aug 30 01:42	23°♂59'22			6564 Jul 05 20:11	0°♂	
min. Earth dist.	6563 Sep 05 15:40	20°♂53'15	0.55792 AU	evening max el	6564 Jul 23 20:50	28°♂10'31	21°56'40
inferior conj	6563 Sep 07 16:33	19°♂40'30	-5°19'08		6564 Jul 25 21:12	0°♂	
minimum elong	6563 Sep 07 12:50	19°♂46'04	5°18'50	desc. node	6564 Aug 01 03:30	3°♂42'18	
morning rise	6563 Sep 16 02:19	15°♂46'57		retrograde	6564 Aug 05 12:57	4°♂27'44	
direct	6563 Sep 18 22:59	15°♂26'46		evening set	6564 Aug 08 08:06	4°♂10'14	
morning max el	6563 Sep 29 09:48	20°♂19'12	20°13'58	min. Earth dist.	6564 Aug 17 01:13	0°♂25'21	0.54865 AU
asc. node	6563 Oct 06 15:54	29°♂18'27		inferior conj	6564 Aug 17 13:31	0°♂08'05	-4°25'19
	6563 Oct 07 02:40	0°♄		minimum elong	6564 Aug 17 04:38	0°♂20'33	4°23'13
morning set	6563 Oct 17 19:41	19°♄50'32			6564 Aug 17 19:17	30°♂♂	
	6563 Oct 22 18:20	0°♂		morning rise	6564 Aug 26 02:37	26°♂18'15	
				direct	6564 Aug 29 10:48	25°♂53'36	
superior conj	6563 Oct 25 10:49	5°♂27'56	1°38'39		6564 Sep 08 16:46	0°♂	
minimum elong	6563 Oct 25 12:19	5°♂35'32	1°38'37	morning max el	6564 Sep 10 11:37	1°♂32'33	21°42'46
max. Earth dist.	6563 Oct 30 21:44	16°♂10'57	1.36626 AU	asc. node	6564 Sep 22 12:56	17°♂47'23	
evening rise	6563 Nov 03 17:45	23°♂20'02			6564 Sep 28 23:18	0°♄	
	6563 Nov 07 11:34	0°♄		morning set	6564 Oct 01 05:08	4°♄37'29	
desc. node	6563 Nov 11 05:37	6°♄22'47					
	6563 Nov 26 22:16	0°♄		superior conj	6564 Oct 08 10:19	19°♄51'03	1°42'31
evening max el	6563 Dec 09 09:31	14°♄44'33	25°51'51	minimum elong	6564 Oct 08 10:24	19°♄51'29	1°42'33
retrograde	6563 Dec 21 20:43	21°♄51'33		max. Earth dist.	6564 Oct 12 09:56	28°♄03'06	1.34833 AU
evening set	6563 Dec 27 22:39	19°♄21'27			6564 Oct 13 09:14	0°♂	
min. Earth dist.	6564 Jan 01 05:42	14°♄44'19	0.67016 AU	evening rise	6564 Oct 16 17:54	6°♂34'19	
inferior conj	6564 Jan 02 15:42	12°♄57'18	0°00'28	desc. node	6564 Oct 28 02:40	26°♂41'30	
minimum elong	6564 Jan 02 15:41	12°♄57'21	0°00'30		6564 Oct 30 04:05	0°♄	
transit middle	6564 Jan 02 15:41	12°♄57'21	0°00'30	evening max el	6564 Nov 20 22:32	28°♄25'19	26°47'48
transit begin	6564 Jan 02 12:51	13°♄06'17			6564 Nov 22 15:38	0°♄	
transit end	6564 Jan 02 18:31	12°♄48'26		retrograde	6564 Dec 04 01:22	5°♄42'37	
asc. node	6564 Jan 02 15:09	12°♄59'03		evening set	6564 Dec 10 15:19	3°♄05'32	
morning rise	6564 Jan 08 09:15	7°♄06'20			6564 Dec 13 19:56	30°♄♄	
direct	6564 Jan 11 14:51	6°♄06'27		min. Earth dist.	6564 Dec 14 16:05	29°♄03'12	0.65887 AU
morning max el	6564 Jan 18 11:10	9°♄52'19	18°57'13	inferior conj	6564 Dec 16 13:35	26°♄50'08	-0°59'46
	6564 Feb 02 03:36	0°♄		minimum elong	6564 Dec 16 15:17	26°♄45'09	0°59'00
desc. node	6564 Feb 07 04:53	7°♄49'48		asc. node	6564 Dec 19 12:12	23°♄35'53	
morning set	6564 Feb 09 20:58	11°♄59'25		morning rise	6564 Dec 22 16:13	21°♄10'09	
	6564 Feb 21 09:46	0°♄		direct	6564 Dec 25 12:16	20°♄25'45	
max. Earth dist.	6564 Feb 24 11:01	4°♄47'07	1.45169 AU	morning max el	6565 Jan 01 00:33	23°♄55'57	18°17'15
					6565 Jan 06 00:26	0°♄	
superior conj	6564 Feb 26 10:50	7°♄55'10	-1°51'27	morning set	6565 Jan 20 06:14	22°♄12'29	
minimum elong	6564 Feb 26 02:16	7°♄21'28	1°50'48	desc. node	6565 Jan 24 01:55	28°♄21'10	
	6564 Mar 11 06:17	0°♂			6565 Jan 25 02:35	0°♄	
evening rise	6564 Mar 12 10:59	1°♂56'38					
asc. node	6564 Mar 30 14:21	29°♂52'19		superior conj	6565 Feb 04 14:39	16°♄38'16	-1°15'30
	6564 Mar 30 16:53	0°♄		minimum elong	6565 Feb 04 05:57	16°♄04'09	1°14'27
evening max el	6564 Apr 01 19:06	2°♄19'51	18°34'12	max. Earth dist.	6565 Feb 06 05:58	19°♄12'28	1.45405 AU
retrograde	6564 Apr 08 08:07	5°♄54'49			6565 Feb 13 03:36	0°♄	

evening rise	6565 Feb 20 17:08	11° K 49'29		greatest brilliancy	6566 Feb 15 01:54	13° K 27'38	-0.6m
greatest brilliancy	6565 Mar 03 21:49	29° K 15'07	-0.8m	evening max el	6566 Feb 27 07:57	29° K 28'57	20°10'21
	6565 Mar 04 09:35	0° Y			6566 Feb 27 20:22	0° Y	
evening max el	6565 Mar 16 03:56	15° Y 52'56	19°14'33	asc. node	6566 Mar 04 08:27	3° Y 21'01	
asc. node	6565 Mar 17 11:24	17° Y 07'47		retrograde	6566 Mar 07 02:27	4° Y 00'28	
retrograde	6565 Mar 23 04:16	19° Y 51'28		evening set	6566 Mar 10 22:19	2° Y 35'25	
evening set	6565 Mar 26 15:39	18° Y 41'04			6566 Mar 13 14:18	30° R K	
inferior conj	6565 Apr 01 03:22	12° Y 51'20	3°24'23	inferior conj	6566 Mar 16 06:58	26° K 31'43	3°08'07
minimum elong	6565 Apr 01 02:22	12° Y 54'32	3°24'17	minimum elong	6566 Mar 16 05:06	26° K 38'02	3°07'49
min. Earth dist.	6565 Apr 02 13:28	11° Y 01'19	0.66403 AU	min. Earth dist.	6566 Mar 17 02:43	25° K 24'51	0.67451 AU
morning rise	6565 Apr 06 12:44	6° Y 35'15		morning rise	6566 Mar 21 11:41	20° K 16'29	
direct	6565 Apr 12 19:49	3° Y 48'33		direct	6566 Mar 27 06:19	17° K 41'39	
desc. node	6565 Apr 22 01:16	8° Y 09'55		morning max el	6566 Apr 07 20:49	24° K 38'14	24°47'42
morning max el	6565 Apr 25 11:50	11° Y 21'44	26°09'14	desc. node	6566 Apr 08 22:17	25° K 44'13	
	6565 May 10 08:23	0° B			6566 Apr 12 16:42	0° Y	
	6565 May 28 21:08	0° II			6566 May 03 19:21	0° B	
morning set	6565 May 31 14:30	4° II 59'03		morning set	6566 May 13 21:16	16° B 57'54	
max. Earth dist.	6565 Jun 04 12:35	12° II 26'04	1.35171 AU	max. Earth dist.	6566 May 17 12:02	23° B 28'55	1.37131 AU
					6566 May 20 23:48	0° II	
superior conj	6565 Jun 09 17:17	22° II 46'58	-0°37'12	superior conj	6566 May 24 02:58	6° II 01'48	-1°07'53
minimum elong	6565 Jun 09 19:23	22° II 57'41	0°36'50	minimum elong	6566 May 24 06:55	6° II 21'04	1°07'16
asc. node	6565 Jun 13 10:39	0° B 27'11		asc. node	6566 May 31 07:40	20° II 21'28	
	6565 Jun 13 05:24	0° B		evening rise	6566 Jun 01 14:25	22° II 55'35	
evening rise	6565 Jun 17 11:35	8° B 49'57			6566 Jun 05 04:29	0° B	
	6565 Jun 28 20:52	0° Q		evening max el	6566 Jun 18 12:24	20° B 29'05	19°24'37
evening max el	6565 Jul 05 22:14	8° Q 58'48	20°31'20	retrograde	6566 Jun 27 22:01	25° B 06'09	
retrograde	6565 Jul 17 01:08	14° Q 27'04		evening set	6566 Jun 29 19:47	24° B 55'34	
evening set	6565 Jul 19 01:29	14° Q 17'04		desc. node	6566 Jul 05 21:34	22° B 24'41	
desc. node	6565 Jul 19 00:32	14° Q 17'27		inferior conj	6566 Jul 08 10:54	20° B 48'32	-0°46'19
inferior conj	6565 Jul 28 06:49	10° Q 20'03	-2°44'31	minimum elong	6566 Jul 08 08:50	20° B 51'53	0°45'35
minimum elong	6565 Jul 27 23:21	10° Q 30'50	2°41'57	min. Earth dist.	6566 Jul 11 00:56	19° B 08'18	0.55798 AU
min. Earth dist.	6565 Jul 29 11:51	9° Q 38'08	0.54861 AU	morning rise	6566 Jul 16 19:13	16° B 10'31	
morning rise	6565 Aug 05 20:32	6° Q 14'23		direct	6566 Jul 21 15:04	15° B 17'50	
direct	6565 Aug 09 20:26	5° Q 40'02		morning max el	6566 Aug 04 16:48	22° B 23'34	25°08'47
morning max el	6565 Aug 23 03:49	12° Q 06'14	23°25'23		6566 Aug 11 10:35	0° Q	
	6565 Sep 05 14:46	0° P		asc. node	6566 Aug 27 07:00	26° Q 17'55	
asc. node	6565 Sep 09 09:59	6° P 50'09			6566 Aug 29 02:41	0° P	
morning set	6565 Sep 15 16:31	19° P 28'46		morning set	6566 Aug 31 04:10	4° P 19'20	
	6565 Sep 20 13:54	0° A					
superior conj	6565 Sep 22 16:08	4° A 31'25	1°39'41	superior conj	6566 Sep 07 01:49	19° P 21'22	1°31'01
minimum elong	6565 Sep 22 15:02	4° A 25'30	1°39'39	minimum elong	6566 Sep 06 23:55	19° P 10'58	1°30'49
max. Earth dist.	6565 Sep 25 06:57	10° A 06'44	1.33428 AU	max. Earth dist.	6566 Sep 08 11:44	22° P 26'54	1.32452 AU
evening rise	6565 Sep 30 06:57	20° A 23'59			6566 Sep 11 23:57	0° A	
	6565 Oct 05 06:41	0° M		evening rise	6566 Sep 14 05:24	4° A 39'12	
desc. node	6565 Oct 14 23:43	16° M 39'45			6566 Sep 27 22:41	0° M	
	6565 Oct 24 03:45	0° X		desc. node	6566 Oct 01 20:46	6° M 08'31	
evening max el	6565 Nov 03 11:11	11° X 51'45	27°21'24	evening max el	6566 Oct 16 21:13	24° M 49'40	27°26'08
retrograde	6565 Nov 16 23:49	19° X 10'08			6566 Oct 23 15:28	0° X	
evening set	6565 Nov 23 23:09	16° X 32'59		retrograde	6566 Oct 30 15:22	2° X 04'30	
min. Earth dist.	6565 Nov 27 18:28	13° X 04'28	0.64414 AU		6566 Nov 06 04:43	30° R M	
inferior conj	6565 Nov 30 03:41	10° X 32'03	-2°04'24	evening set	6566 Nov 06 19:00	29° M 36'33	
minimum elong	6565 Nov 30 07:25	10° X 22'05	2°02'52	min. Earth dist.	6566 Nov 10 10:47	26° M 37'41	0.62635 AU
asc. node	6565 Dec 06 09:15	5° X 15'02		inferior conj	6566 Nov 13 07:05	23° M 55'12	-3°10'41
morning rise	6565 Dec 06 17:06	5° X 06'09		minimum elong	6566 Nov 13 12:47	23° M 41'35	3°08'39
direct	6565 Dec 09 05:50	4° X 33'21		morning rise	6566 Nov 20 08:24	18° M 46'54	
morning max el	6565 Dec 15 17:11	7° X 57'30	17°54'21	direct	6566 Nov 22 16:26	18° M 22'03	
	6565 Dec 30 13:34	0° B		asc. node	6566 Nov 23 06:18	18° M 23'36	
morning set	6566 Jan 01 20:37	3° B 52'12		morning max el	6566 Nov 29 10:00	21° M 48'48	17°49'05
desc. node	6566 Jan 10 22:56	19° B 01'38			6566 Dec 05 16:34	0° X	
				morning set	6566 Dec 15 10:11	16° X 38'11	
superior conj	6566 Jan 15 06:02	26° B 00'07	-0°30'09		6566 Dec 23 01:12	0° B	
minimum elong	6566 Jan 15 02:31	25° B 45'54	0°29'36	superior conj	6566 Dec 26 21:35	6° B 33'01	0°13'52
	6566 Jan 17 17:57	0° A		minimum elong	6566 Dec 26 22:55	6° B 38'40	0°13'43
max. Earth dist.	6566 Jan 20 01:32	3° A 40'38	1.44899 AU	behind sun begin	6566 Dec 26 18:11	6° B 18'45	
evening rise	6566 Jan 31 07:15	21° A 10'15		behind sun end	6566 Dec 27 03:40	6° B 58'34	
	6566 Feb 06 01:57	0° K					

desc. node	6566 Dec 28 19:57	9°♄46'49		desc. node	6567 Dec 15 16:59	0°♄33'29	
max. Earth dist.	6567 Jan 02 18:23	17°♄51'32	1.43710 AU	max. Earth dist.	6567 Dec 16 06:09	1°♄28'32	1.41983 AU
	6567 Jan 10 10:37	0°♄		evening rise	6567 Dec 21 19:08	10°♄31'22	
evening rise	6567 Jan 10 18:56	0°♄32'14			6568 Jan 03 12:15	0°♄	
	6567 Jan 30 17:22	0°♄		evening max el	6568 Jan 23 23:48	26°♄43'57	22°35'57
evening max el	6567 Feb 10 06:22	13°♄05'37	21°18'51		6568 Jan 27 15:42	0°♄	
retrograde	6567 Feb 19 00:33	18°♄16'42		retrograde	6568 Feb 02 20:51	2°♄35'59	
asc. node	6567 Feb 19 05:30	18°♄16'29		asc. node	6568 Feb 06 02:32	1°♄42'05	
evening set	6567 Feb 23 06:11	16°♄36'29		evening set	6568 Feb 07 13:38	0°♄40'34	
inferior conj	6567 Feb 28 13:56	10°♄21'25	2°41'38		6568 Feb 08 07:44	30°♄	
minimum elong	6567 Feb 28 11:39	10°♄29'22	2°41'05	inferior conj	6568 Feb 12 22:15	24°♄17'25	2°06'19
min. Earth dist.	6567 Feb 28 20:41	9°♄58'01	0.68061 AU	minimum elong	6568 Feb 12 19:59	24°♄25'18	2°05'37
morning rise	6567 Mar 05 16:56	4°♄08'33		min. Earth dist.	6568 Feb 12 17:08	24°♄35'12	0.68256 AU
direct	6567 Mar 10 21:25	1°♄52'29		morning rise	6568 Feb 18 02:13	18°♄08'18	
morning max el	6567 Mar 21 06:03	8°♄01'46	23°18'29	direct	6568 Feb 22 16:18	16°♄14'21	
desc. node	6567 Mar 26 19:17	14°♄17'27		morning max el	6568 Mar 02 18:38	21°♄33'16	21°50'59
	6567 Apr 07 09:52	0°♄			6568 Mar 09 23:56	0°♄	
morning set	6567 Apr 25 04:40	27°♄48'27		desc. node	6568 Mar 12 16:17	3°♄33'07	
	6567 Apr 26 11:49	0°♄			6568 Mar 30 16:37	0°♄	
max. Earth dist.	6567 Apr 29 07:49	4°♄52'13	1.39327 AU	morning set	6568 Apr 04 08:10	7°♄20'23	
				max. Earth dist.	6568 Apr 10 06:38	17°♄01'53	1.41500 AU
superior conj	6567 May 06 22:26	18°♄33'13	-1°36'26	superior conj	6568 Apr 17 23:00	0°♄10'24	-1°58'58
minimum elong	6567 May 07 03:41	18°♄57'38	1°35'50	minimum elong	6568 Apr 18 03:49	0°♄31'37	1°58'39
	6567 May 12 23:28	0°♄			6568 Apr 17 20:38	0°♄	
evening rise	6567 May 16 09:10	6°♄34'04		evening rise	6568 Apr 28 16:12	19°♄36'06	
asc. node	6567 May 18 04:43	10°♄03'17		asc. node	6568 May 04 01:44	29°♄27'13	
	6567 May 30 03:49	0°♄			6568 May 04 09:07	0°♄	
evening max el	6567 Jun 01 13:29	2°♄40'26	18°38'28	evening max el	6568 May 14 22:02	15°♄24'52	18°12'36
retrograde	6567 Jun 09 12:36	6°♄36'48		retrograde	6568 May 21 21:44	18°♄55'49	
evening set	6567 Jun 11 15:39	6°♄20'53		evening set	6568 May 24 08:05	18°♄30'59	
inferior conj	6567 Jun 19 10:59	1°♄55'42	0°57'47	inferior conj	6568 May 31 08:37	13°♄45'33	2°13'24
minimum elong	6567 Jun 19 13:03	1°♄51'47	0°57'02	minimum elong	6568 May 31 11:54	13°♄38'15	2°12'27
	6567 Jun 21 23:58	30°♄		min. Earth dist.	6568 Jun 03 17:54	10°♄46'54	0.59623 AU
desc. node	6567 Jun 22 18:33	29°♄25'56		morning rise	6568 Jun 07 12:50	8°♄01'43	
min. Earth dist.	6567 Jun 22 18:21	29°♄26'18	0.57489 AU	desc. node	6568 Jun 08 15:35	7°♄25'29	
morning rise	6567 Jun 27 07:02	26°♄40'56		direct	6568 Jun 13 22:29	6°♄07'03	
direct	6567 Jul 02 23:52	25°♄19'48		morning max el	6568 Jun 28 07:25	13°♄59'38	27°33'51
	6567 Jul 14 01:59	0°♄			6568 Jul 11 02:58	0°♄	
morning max el	6567 Jul 17 09:00	2°♄54'25	26°36'20		6568 Jul 28 03:37	0°♄	
	6567 Aug 05 20:17	0°♄		morning set	6568 Jul 29 21:43	3°♄37'12	
asc. node	6567 Aug 14 04:01	16°♄03'36		asc. node	6568 Jul 31 01:01	6°♄00'48	
morning set	6567 Aug 15 14:30	19°♄04'15		max. Earth dist.	6568 Aug 05 07:56	17°♄29'46	1.31808 AU
	6567 Aug 20 15:22	0°♄					
superior conj	6567 Aug 22 13:24	4°♄14'33	1°17'09	superior conj	6568 Aug 06 01:01	19°♄04'07	0°58'36
minimum elong	6567 Aug 22 11:09	4°♄02'03	1°16'48	minimum elong	6568 Aug 05 22:52	18°♄52'14	0°58'11
max. Earth dist.	6567 Aug 22 21:17	4°♄58'09	1.31909 AU		6568 Aug 11 00:11	0°♄	
evening rise	6567 Aug 29 10:25	19°♄11'46		evening rise	6568 Aug 12 19:36	3°♄53'39	
	6567 Sep 03 18:29	0°♄			6568 Aug 26 15:16	0°♄	
desc. node	6567 Sep 18 17:47	24°♄55'53		desc. node	6568 Sep 04 14:48	12°♄44'13	
	6567 Sep 22 14:21	0°♄		evening max el	6568 Sep 09 23:26	18°♄33'39	25°56'48
evening max el	6567 Sep 29 02:01	7°♄06'31	26°57'53	retrograde	6568 Sep 23 22:21	25°♄39'25	
retrograde	6567 Oct 12 23:23	14°♄16'57		evening set	6568 Sep 30 05:56	24°♄04'17	
evening set	6567 Oct 19 22:56	12°♄09'43		min. Earth dist.	6568 Oct 04 12:08	21°♄28'57	0.58543 AU
min. Earth dist.	6567 Oct 23 16:19	9°♄30'42	0.60624 AU	inferior conj	6568 Oct 07 16:20	19°♄10'17	-5°03'23
inferior conj	6567 Oct 26 20:29	6°♄51'23	-4°13'24	minimum elong	6568 Oct 07 21:45	19°♄00'23	5°02'34
minimum elong	6567 Oct 27 03:14	6°♄37'12	4°11'35	morning rise	6568 Oct 15 15:53	14°♄45'35	
morning rise	6567 Nov 03 09:44	2°♄03'58		direct	6568 Oct 18 00:32	14°♄27'24	
direct	6567 Nov 05 16:08	1°♄43'54		morning max el	6568 Oct 26 06:55	18°♄26'23	18°36'20
asc. node	6567 Nov 10 03:19	3°♄05'41		asc. node	6568 Oct 27 00:20	19°♄09'56	
morning max el	6567 Nov 12 23:46	5°♄21'59	18°02'33		6568 Nov 03 17:49	0°♄	
morning set	6567 Nov 28 16:38	0°♄11'40		morning set	6568 Nov 11 10:52	14°♄17'42	
	6567 Nov 28 14:07	0°♄			6568 Nov 19 14:48	0°♄	
superior conj	6567 Dec 08 14:50	18°♄20'19	0°50'01	superior conj	6568 Nov 20 05:31	1°♄09'01	1°16'16
minimum elong	6567 Dec 08 18:21	18°♄35'52	0°49'34	minimum elong	6568 Nov 20 08:59	1°♄25'16	1°15'55
	6567 Dec 15 08:59	0°♄		max. Earth dist.	6568 Nov 27 13:00	14°♄22'47	1.39927 AU

evening rise	6568 Dec 01 16:29	21° ♄ 28'21		max. Earth dist.	6569 Nov 09 18:15	26° ♄ 39'05	1.37794 AU
desc. node	6568 Dec 01 14:00	21° ♄ 17'56			6569 Nov 11 14:14	0° ♄	
	6568 Dec 06 21:34	0° ♄		evening rise	6569 Nov 13 12:06	3° ♄ 24'59	
	6568 Dec 27 14:00	0° ♄		desc. node	6569 Nov 18 11:02	11° ♄ 56'09	
evening max el	6569 Jan 05 14:02	10° ♄ 26'09	23°56'06		6569 Nov 29 23:41	0° ♄	
retrograde	6569 Jan 16 13:56	16° ♄ 54'31		evening max el	6569 Dec 19 03:05	24° ♄ 11'48	25°12'32
evening set	6569 Jan 21 19:08	14° ♄ 44'20			6569 Dec 26 17:56	0° ♄	
asc. node	6569 Jan 22 23:34	13° ♄ 37'27		retrograde	6569 Dec 31 02:40	1° ♄ 07'11	
min. Earth dist.	6569 Jan 26 13:45	9° ♄ 12'40	0.68064 AU		6570 Jan 04 02:14	30° ♄	
inferior conj	6569 Jan 27 06:05	8° ♄ 17'12	1°23'05	evening set	6570 Jan 05 21:03	28° ♄ 43'42	
minimum elong	6569 Jan 27 04:19	8° ♄ 23'14	1°22'26	asc. node	6570 Jan 09 20:37	24° ♄ 23'28	
morning rise	6569 Feb 01 13:30	2° ♄ 13'28		min. Earth dist.	6570 Jan 10 08:10	23° ♄ 46'29	0.67504 AU
direct	6569 Feb 05 13:57	0° ♄ 41'57		inferior conj	6570 Jan 11 11:36	22° ♄ 17'13	0°32'35
morning max el	6569 Feb 13 13:48	5° ♄ 15'53	20°32'32	minimum elong	6570 Jan 11 10:48	22° ♄ 19'49	0°32'18
desc. node	6569 Feb 27 13:18	23° ♄ 19'40		morning rise	6570 Jan 17 00:48	16° ♄ 20'52	
	6569 Mar 04 02:12	0° ♄		direct	6570 Jan 20 12:54	15° ♄ 10'10	
morning set	6569 Mar 14 11:18	15° ♄ 47'32		morning max el	6570 Jan 27 16:56	19° ♄ 09'47	19°27'33
	6569 Mar 23 11:00	0° ♄			6570 Feb 05 08:27	0° ♄	
max. Earth dist.	6569 Mar 23 12:33	0° ♄ 06'15	1.43372 AU	greatest brilliancy	6570 Feb 09 17:18	6° ♄ 22'17	-0.7m
				desc. node	6570 Feb 14 10:18	13° ♄ 28'14	
superior conj	6569 Mar 30 00:08	10° ♄ 43'54	-2°10'07	morning set	6570 Feb 21 09:02	24° ♄ 07'41	
minimum elong	6569 Mar 30 01:16	10° ♄ 48'36	2°10'07		6570 Feb 25 04:04	0° ♄	
	6569 Apr 10 05:40	0° ♄		max. Earth dist.	6570 Mar 06 01:53	13° ♄ 56'57	1.44713 AU
evening rise	6569 Apr 11 07:09	1° ♄ 51'58					
asc. node	6569 Apr 20 22:46	18° ♄ 27'14		superior conj	6570 Mar 10 00:12	20° ♄ 11'50	-2°04'06
evening max el	6569 Apr 28 10:28	28° ♄ 33'09	18°06'17	minimum elong	6570 Mar 09 18:45	19° ♄ 50'02	2°03'51
	6569 Apr 30 01:55	0° ♄			6570 Mar 16 01:50	0° ♄	
retrograde	6569 May 04 22:08	1° ♄ 54'26		evening rise	6570 Mar 24 01:31	13° ♄ 12'27	
evening set	6569 May 07 15:34	1° ♄ 18'14			6570 Apr 03 05:07	0° ♄	
	6569 May 09 20:45	30° ♄		asc. node	6570 Apr 07 19:50	6° ♄ 54'46	
inferior conj	6569 May 14 00:54	26° ♄ 12'50	3°00'13	evening max el	6570 Apr 11 23:30	11° ♄ 55'43	18°18'46
minimum elong	6569 May 14 03:28	26° ♄ 06'17	2°59'42	retrograde	6570 Apr 18 09:18	15° ♄ 21'47	
min. Earth dist.	6569 May 17 01:21	23° ♄ 09'57	0.61854 AU	evening set	6570 Apr 21 09:28	14° ♄ 32'50	
morning rise	6569 May 20 13:31	20° ♄ 10'54		inferior conj	6570 Apr 27 07:38	9° ♄ 08'43	3°23'23
desc. node	6569 May 26 12:36	17° ♄ 48'50		minimum elong	6570 Apr 27 08:46	9° ♄ 05'30	3°23'15
direct	6569 May 27 08:00	17° ♄ 46'51		min. Earth dist.	6570 Apr 29 17:54	6° ♄ 23'30	0.63905 AU
morning max el	6569 Jun 10 11:55	25° ♄ 47'27	27°54'10	morning rise	6570 May 03 07:03	2° ♄ 57'11	
	6569 Jun 14 09:19	0° ♄		direct	6570 May 10 01:57	0° ♄ 14'33	
	6569 Jul 04 15:20	0° ♄		desc. node	6570 May 13 09:37	0° ♄ 48'44	
morning set	6569 Jul 13 23:56	17° ♄ 52'42		morning max el	6570 May 23 20:37	8° ♄ 13'54	27°37'23
asc. node	6569 Jul 17 22:03	26° ♄ 05'03			6570 Jun 09 16:17	0° ♄	
max. Earth dist.	6569 Jul 19 16:01	29° ♄ 50'58	1.32158 AU		6570 Jun 26 21:44	0° ♄	
	6569 Jul 19 17:41	0° ♄		morning set	6570 Jun 27 18:44	1° ♄ 43'30	
				max. Earth dist.	6570 Jul 02 17:46	11° ♄ 51'01	1.32962 AU
superior conj	6569 Jul 21 10:57	3° ♄ 44'48	0°35'52	asc. node	6570 Jul 04 19:05	16° ♄ 11'50	
minimum elong	6569 Jul 21 09:24	3° ♄ 36'17	0°35'31				
evening rise	6569 Jul 28 06:59	18° ♄ 39'02		superior conj	6570 Jul 05 17:17	18° ♄ 10'29	0°09'31
	6569 Aug 02 19:40	0° ♄		minimum elong	6570 Jul 05 16:49	18° ♄ 07'58	0°09'23
desc. node	6569 Aug 22 11:50	29° ♄ 10'24		behind sun begin	6570 Jul 05 12:26	17° ♄ 44'28	
evening max el	6569 Aug 22 13:48	29° ♄ 15'09	24°29'56	behind sun end	6570 Jul 05 21:12	18° ♄ 31'29	
	6569 Aug 23 08:57	0° ♄			6570 Jul 11 04:53	0° ♄	
retrograde	6569 Sep 05 09:43	6° ♄ 12'30		evening rise	6570 Jul 12 18:39	3° ♄ 21'39	
evening set	6569 Sep 10 12:18	5° ♄ 14'26			6570 Jul 27 06:34	0° ♄	
min. Earth dist.	6569 Sep 16 00:55	2° ♄ 24'18	0.56662 AU	evening max el	6570 Aug 04 02:03	9° ♄ 33'01	22°51'42
inferior conj	6569 Sep 18 16:09	0° ♄ 43'56	-5°25'49	desc. node	6570 Aug 09 08:51	13° ♄ 44'21	
minimum elong	6569 Sep 18 16:31	0° ♄ 43'21	5°25'49	retrograde	6570 Aug 17 08:25	16° ♄ 10'22	
	6569 Sep 19 19:57	30° ♄		evening set	6570 Aug 20 22:35	15° ♄ 42'10	
morning rise	6569 Sep 26 22:58	26° ♄ 40'38		min. Earth dist.	6570 Aug 28 10:15	12° ♄ 21'27	0.55297 AU
direct	6569 Sep 29 14:20	26° ♄ 21'41		inferior conj	6570 Aug 29 20:56	11° ♄ 31'42	-5°03'00
	6569 Oct 08 04:51	0° ♄		minimum elong	6570 Aug 29 14:24	11° ♄ 41'05	5°02'01
morning max el	6569 Oct 09 03:57	0° ♄ 51'48	19°31'57	morning rise	6570 Sep 07 08:19	7° ♄ 42'04	
asc. node	6569 Oct 13 21:22	6° ♄ 21'28		direct	6570 Sep 10 09:51	7° ♄ 20'12	
morning set	6569 Oct 26 13:07	28° ♄ 45'36		morning max el	6570 Sep 21 12:41	12° ♄ 31'21	20°49'35
	6569 Oct 27 03:55	0° ♄		asc. node	6570 Sep 30 18:25	24° ♄ 25'57	
					6570 Oct 03 23:55	0° ♄	
superior conj	6569 Nov 03 12:21	14° ♄ 44'04	1°32'58	morning set	6570 Oct 10 20:36	13° ♄ 27'52	
minimum elong	6569 Nov 03 14:41	14° ♄ 55'34	1°32'50				

superior conj	6570 Oct 18 06:52	28° Ω 53'05	1°41'11	superior conj	6571 Oct 02 09:22	13° Ω 24'28	1°42'06
minimum elong	6570 Oct 18 07:45	28° Ω 57'37	1°41'11	minimum elong	6571 Oct 02 08:54	13° Ω 22'02	1°42'06
	6570 Oct 18 19:56	0° \mathbb{M}		max. Earth dist.	6571 Oct 05 18:49	20° Ω 30'44	1.34175 AU
max. Earth dist.	6570 Oct 23 02:57	8° \mathbb{M} 35'16	1.35819 AU	evening rise	6571 Oct 10 09:04	29° Ω 44'01	
evening rise	6570 Oct 27 03:01	16° \mathbb{M} 13'57			6571 Oct 10 12:21	0° \mathbb{M}	
	6570 Nov 03 21:33	0° \mathbb{A}		desc. node	6571 Oct 23 05:05	22° \mathbb{M} 34'32	
desc. node	6570 Nov 05 08:04	2° \mathbb{A} 23'48			6571 Oct 27 23:49	0° \mathbb{A}	
	6570 Nov 24 11:09	0° \mathbb{B}		evening max el	6571 Nov 14 04:52	21° \mathbb{A} 31'49	27°05'12
evening max el	6570 Dec 01 16:05	7° \mathbb{B} 56'48	26°17'58	retrograde	6571 Nov 27 12:21	28° \mathbb{A} 50'46	
retrograde	6570 Dec 14 10:19	15° \mathbb{B} 08'42		evening set	6571 Dec 04 06:54	26° \mathbb{A} 12'18	
evening set	6570 Dec 20 17:42	12° \mathbb{B} 34'56		min. Earth dist.	6571 Dec 08 05:05	22° \mathbb{A} 24'57	0.65301 AU
min. Earth dist.	6570 Dec 24 22:02	8° \mathbb{B} 12'48	0.66582 AU	inferior conj	6571 Dec 10 07:43	20° \mathbb{A} 02'27	-1°26'47
inferior conj	6570 Dec 26 12:53	6° \mathbb{B} 14'08	-0°24'23	minimum elong	6571 Dec 10 10:15	19° \mathbb{A} 55'17	1°25'40
minimum elong	6570 Dec 26 13:32	6° \mathbb{B} 12'07	0°24'03	asc. node	6571 Dec 14 14:42	15° \mathbb{A} 44'52	
asc. node	6570 Dec 27 17:39	4° \mathbb{B} 47'21		morning rise	6571 Dec 16 14:46	14° \mathbb{A} 28'24	
morning rise	6571 Jan 01 10:03	0° \mathbb{B} 27'35		direct	6571 Dec 19 07:25	13° \mathbb{A} 49'28	
	6571 Jan 02 08:40	30° \mathbb{R} \mathbb{A}		morning max el	6571 Dec 25 18:27	17° \mathbb{A} 15'48	18°05'30
direct	6571 Jan 04 11:26	29° \mathbb{A} 34'38			6572 Jan 04 03:48	0° \mathbb{B}	
	6571 Jan 06 15:18	0° \mathbb{B}		morning set	6572 Jan 12 23:42	14° \mathbb{B} 21'51	
morning max el	6571 Jan 11 03:17	3° \mathbb{B} 12'09	18°38'15	desc. node	6572 Jan 19 04:22	24° \mathbb{B} 28'38	
	6571 Jan 29 20:16	0° \approx			6572 Jan 22 14:38	0° \approx	
morning set	6571 Feb 01 01:42	3° \approx 30'45					
desc. node	6571 Feb 01 07:21	3° \approx 53'03		superior conj	6572 Jan 27 13:00	7° \approx 51'07	-0°56'45
				minimum elong	6572 Jan 27 06:12	7° \approx 24'12	0°55'49
superior conj	6571 Feb 17 06:32	28° \approx 57'34	-1°38'04	max. Earth dist.	6572 Jan 30 15:38	12° \approx 45'11	1.45275 AU
minimum elong	6571 Feb 16 21:00	28° \approx 20'12	1°37'09		6572 Feb 10 17:13	0° \mathbb{H}	
max. Earth dist.	6571 Feb 16 20:09	28° \approx 16'55	1.45369 AU	evening rise	6572 Feb 12 18:43	3° \mathbb{H} 11'42	
	6571 Feb 17 22:28	0° \mathbb{H}		greatest brilliancy	6572 Feb 25 20:53	23° \mathbb{H} 15'05	-0.7m
evening rise	6571 Mar 04 20:40	23° \mathbb{H} 36'00			6572 Mar 01 12:08	0° \mathbb{Y}	
	6571 Mar 08 20:46	0° \mathbb{Y}		evening max el	6572 Mar 08 17:17	9° \mathbb{Y} 00'42	19°36'26
greatest brilliancy	6571 Mar 12 23:14	6° \mathbb{Y} 32'07	-0.8m	asc. node	6572 Mar 11 13:54	11° \mathbb{Y} 31'08	
asc. node	6571 Mar 25 16:52	24° \mathbb{Y} 40'09		retrograde	6572 Mar 16 00:43	13° \mathbb{Y} 12'43	
evening max el	6571 Mar 26 10:27	25° \mathbb{Y} 26'19	18°49'12	evening set	6572 Mar 19 15:29	11° \mathbb{Y} 56'12	
retrograde	6571 Apr 02 03:16	29° \mathbb{Y} 09'57		inferior conj	6572 Mar 25 01:35	6° \mathbb{Y} 00'03	3°18'51
evening set	6571 Apr 05 10:19	28° \mathbb{Y} 07'32		minimum elong	6572 Mar 25 00:11	6° \mathbb{Y} 04'43	3°18'41
inferior conj	6571 Apr 11 00:57	22° \mathbb{Y} 26'22	3°28'13	min. Earth dist.	6572 Mar 26 05:25	4° \mathbb{Y} 28'05	0.66900 AU
minimum elong	6571 Apr 11 00:39	22° \mathbb{Y} 27'18	3°28'11	morning rise	6572 Mar 30 08:35	29° \mathbb{H} 43'49	
min. Earth dist.	6571 Apr 12 19:41	20° \mathbb{Y} 13'47	0.65612 AU		6572 Mar 30 01:36	30° \mathbb{R} \mathbb{H}	
morning rise	6571 Apr 16 14:28	16° \mathbb{Y} 10'45		direct	6572 Apr 05 10:32	27° \mathbb{H} 01'11	
direct	6571 Apr 23 03:07	13° \mathbb{Y} 22'16			6572 Apr 12 18:36	0° \mathbb{Y}	
desc. node	6571 Apr 30 06:40	16° \mathbb{Y} 00'13		desc. node	6572 Apr 16 03:42	2° \mathbb{Y} 50'42	
morning max el	6571 May 06 07:00	21° \mathbb{Y} 09'14	26°48'35	morning max el	6572 Apr 17 16:46	4° \mathbb{Y} 21'13	25°36'09
	6571 May 13 22:53	0° \mathbb{B}			6572 May 07 07:49	0° \mathbb{B}	
	6571 Jun 02 20:17	0° \mathbb{H}		morning set	6572 May 23 20:41	27° \mathbb{B} 33'06	
morning set	6571 Jun 11 03:01	15° \mathbb{H} 00'43			6572 May 25 04:43	0° \mathbb{H}	
max. Earth dist.	6571 Jun 15 09:41	23° \mathbb{H} 22'29	1.34235 AU	max. Earth dist.	6572 May 27 14:21	4° \mathbb{H} 29'40	1.35961 AU
	6571 Jun 18 15:50	0° \mathbb{E}					
				superior conj	6572 Jun 02 09:53	15° \mathbb{H} 50'19	-0°50'17
superior conj	6571 Jun 19 17:49	2° \mathbb{E} 14'39	-0°19'38	minimum elong	6572 Jun 02 12:47	16° \mathbb{H} 04'50	0°49'48
minimum elong	6571 Jun 19 18:53	2° \mathbb{E} 20'13	0°19'28	asc. node	6572 Jun 07 13:08	26° \mathbb{H} 16'40	
asc. node	6571 Jun 21 16:07	6° \mathbb{E} 17'00			6572 Jun 09 08:42	0° \mathbb{E}	
evening rise	6571 Jun 27 04:39	17° \mathbb{E} 55'13		evening rise	6572 Jun 10 10:50	2° \mathbb{E} 13'27	
	6571 Jul 03 05:13	0° \mathbb{Q}			6572 Jun 27 01:23	0° \mathbb{Q}	
evening max el	6571 Jul 16 20:36	20° \mathbb{Q} 01'25	21°18'14	evening max el	6572 Jun 28 03:26	1° \mathbb{Q} 07'17	20°00'26
desc. node	6571 Jul 27 05:53	25° \mathbb{Q} 52'55		retrograde	6572 Jul 08 12:54	6° \mathbb{Q} 13'34	
retrograde	6571 Jul 28 22:13	25° \mathbb{Q} 59'44		evening set	6572 Jul 10 10:18	6° \mathbb{Q} 04'09	
evening set	6571 Jul 31 07:06	25° \mathbb{Q} 46'44		desc. node	6572 Jul 13 02:55	5° \mathbb{Q} 20'51	
inferior conj	6571 Aug 09 14:28	21° \mathbb{Q} 48'12	-3°46'53	inferior conj	6572 Jul 19 10:53	2° \mathbb{Q} 04'25	-1°54'24
minimum elong	6571 Aug 09 05:21	22° \mathbb{Q} 01'00	3°44'15	minimum elong	6572 Jul 19 05:35	2° \mathbb{Q} 12'25	1°52'28
min. Earth dist.	6571 Aug 09 19:44	21° \mathbb{Q} 40'49	0.54740 AU	min. Earth dist.	6572 Jul 21 07:37	0° \mathbb{Q} 57'04	0.55147 AU
morning rise	6571 Aug 18 04:23	17° \mathbb{Q} 54'34			6572 Jul 22 23:07	30° \mathbb{R} \mathbb{E}	
direct	6571 Aug 21 18:35	17° \mathbb{Q} 26'46		morning rise	6572 Jul 27 23:08	27° \mathbb{E} 46'00	
morning max el	6571 Sep 03 09:50	23° \mathbb{Q} 25'47	22°25'35	direct	6572 Aug 01 06:46	27° \mathbb{E} 05'14	
	6571 Sep 09 06:00	0° \mathbb{P}			6572 Aug 10 04:09	0° \mathbb{Q}	
asc. node	6571 Sep 17 15:27	13° \mathbb{P} 10'17		morning max el	6572 Aug 15 00:03	3° \mathbb{Q} 50'13	24°10'15
morning set	6571 Sep 25 07:04	28° \mathbb{P} 17'17			6572 Sep 02 06:17	0° \mathbb{P}	
	6571 Sep 26 02:33	0° \mathbb{Q}		asc. node	6572 Sep 03 12:29	2° \mathbb{P} 24'38	

morning set	6572 Sep 08 18:45	13° \mathbb{M} 08'45		direct	6573 Jul 13 07:52	6° \mathbb{G} 49'45	
				morning max el	6573 Jul 27 13:41	14° \mathbb{G} 09'34	25°48'44
superior conj	6572 Sep 15 17:06	28° \mathbb{M} 09'55	1°36'41		6573 Aug 09 03:15	0° Ω	
minimum elong	6572 Sep 15 15:37	28° \mathbb{M} 01'51	1°36'35	asc. node	6573 Aug 21 09:29	22° Ω 00'22	
	6572 Sep 16 13:25	0° \mathbb{L}		morning set	6573 Aug 24 06:00	27° Ω 57'00	
max. Earth dist.	6572 Sep 17 19:06	2° \mathbb{L} 39'59	1.32954 AU		6573 Aug 25 05:02	0° \mathbb{M}	
evening rise	6572 Sep 23 02:29	13° \mathbb{L} 45'29					
	6572 Oct 01 15:45	0° \mathbb{M}		superior conj	6573 Aug 31 03:50	13° \mathbb{M} 01'45	1°25'43
desc. node	6572 Oct 09 02:06	12° \mathbb{M} 21'04		minimum elong	6573 Aug 31 01:44	12° \mathbb{M} 50'09	1°25'28
	6572 Oct 22 02:52	0° \mathbb{J}		max. Earth dist.	6573 Sep 01 02:11	15° \mathbb{M} 04'49	1.32170 AU
evening max el	6572 Oct 26 16:28	4° \mathbb{J} 46'39	27°27'14	evening rise	6573 Sep 07 04:03	28° \mathbb{M} 08'55	
retrograde	6572 Nov 09 08:11	12° \mathbb{J} 04'48			6573 Sep 08 01:32	0° \mathbb{L}	
evening set	6572 Nov 16 10:02	9° \mathbb{J} 30'04			6573 Sep 24 21:51	0° \mathbb{M}	
min. Earth dist.	6572 Nov 20 03:22	6° \mathbb{J} 15'00	0.63686 AU	desc. node	6573 Sep 25 23:08	1° \mathbb{M} 33'33	
inferior conj	6572 Nov 22 17:34	3° \mathbb{J} 36'37	-2°32'37	evening max el	6573 Oct 09 00:44	17° \mathbb{M} 28'44	27°18'21
minimum elong	6572 Nov 22 22:11	3° \mathbb{J} 24'50	2°30'48	retrograde	6573 Oct 22 20:47	24° \mathbb{M} 41'42	
	6572 Nov 26 15:01	30° \mathbb{R} \mathbb{M}		evening set	6573 Oct 29 23:40	22° \mathbb{M} 21'27	
morning rise	6572 Nov 29 11:59	28° \mathbb{M} 17'56		min. Earth dist.	6573 Nov 02 15:21	19° \mathbb{M} 32'14	0.61793 AU
asc. node	6572 Nov 30 11:46	27° \mathbb{M} 59'18		inferior conj	6573 Nov 05 15:27	16° \mathbb{M} 49'22	-3°38'13
direct	6572 Dec 01 22:15	27° \mathbb{M} 49'06		minimum elong	6573 Nov 05 21:47	16° \mathbb{M} 35'01	3°36'10
	6572 Dec 07 02:58	0° \mathbb{J}		morning rise	6573 Nov 12 21:54	11° \mathbb{M} 49'19	
morning max el	6572 Dec 08 11:32	1° \mathbb{J} 13'36	17°49'54	direct	6573 Nov 15 04:43	11° \mathbb{M} 26'56	
morning set	6572 Dec 25 00:39	26° \mathbb{J} 31'14		asc. node	6573 Nov 17 08:48	11° \mathbb{M} 47'51	
	6572 Dec 27 01:12	0° \mathbb{Z}		morning max el	6573 Nov 22 03:25	14° \mathbb{M} 57'49	17°52'24
desc. node	6573 Jan 05 01:21	15° \mathbb{Z} 11'01			6573 Dec 02 12:29	0° \mathbb{J}	
				morning set	6573 Dec 07 22:10	9° \mathbb{J} 39'33	
superior conj	6573 Jan 06 13:45	17° \mathbb{Z} 40'34	-0°10'49				
minimum elong	6573 Jan 06 12:34	17° \mathbb{Z} 35'42	0°10'36	superior conj	6573 Dec 18 16:29	28° \mathbb{J} 45'33	0°30'22
behind sun begin	6573 Jan 06 05:10	17° \mathbb{Z} 05'24		minimum elong	6573 Dec 18 19:05	28° \mathbb{J} 56'44	0°30'02
behind sun end	6573 Jan 06 19:58	18° \mathbb{Z} 05'58			6573 Dec 19 09:51	0° \mathbb{Z}	
max. Earth dist.	6573 Jan 12 09:41	27° \mathbb{Z} 05'10	1.44462 AU	desc. node	6573 Dec 22 22:21	5° \mathbb{Z} 57'00	
	6573 Jan 14 05:46	0° \approx		max. Earth dist.	6573 Dec 26 00:24	11° \mathbb{Z} 02'46	1.43027 AU
evening rise	6573 Jan 22 05:38	12° \approx 26'58		evening rise	6574 Jan 01 21:06	22° \mathbb{Z} 01'15	
	6573 Feb 02 20:33	0° \mathbb{H}			6574 Jan 07 01:07	0° \approx	
evening max el	6573 Feb 19 18:51	22° \mathbb{H} 36'33	20°38'14		6574 Jan 28 04:26	0° \mathbb{H}	
asc. node	6573 Feb 26 10:56	27° \mathbb{H} 12'48		evening max el	6574 Feb 02 15:08	6° \mathbb{H} 14'19	21°51'02
retrograde	6573 Feb 27 23:06	27° \mathbb{H} 24'44		retrograde	6574 Feb 11 20:31	11° \mathbb{H} 42'37	
evening set	6573 Mar 03 22:51	25° \mathbb{H} 53'30		asc. node	6574 Feb 13 07:59	11° \mathbb{H} 31'11	
inferior conj	6573 Mar 09 06:53	19° \mathbb{H} 44'41	2°58'04	evening set	6574 Feb 16 06:43	9° \mathbb{H} 56'04	
minimum elong	6573 Mar 09 04:47	19° \mathbb{H} 51'54	2°57'39	inferior conj	6574 Feb 21 14:39	3° \mathbb{H} 37'24	2°27'43
min. Earth dist.	6573 Mar 09 21:01	18° \mathbb{H} 56'09	0.67756 AU	minimum elong	6574 Feb 21 12:19	3° \mathbb{H} 45'32	2°27'04
morning rise	6573 Mar 14 10:29	13° \mathbb{H} 30'04		min. Earth dist.	6574 Feb 21 16:19	3° \mathbb{H} 31'38	0.68192 AU
direct	6573 Mar 19 23:14	11° \mathbb{H} 02'20			6574 Feb 24 07:43	30° \mathbb{R} \approx	
morning max el	6573 Mar 31 01:28	17° \mathbb{H} 40'24	24°10'04	morning rise	6574 Feb 26 17:44	27° \approx 26'00	
desc. node	6573 Apr 03 00:42	20° \mathbb{H} 52'15		direct	6574 Mar 03 16:12	25° \approx 18'50	
	6573 Apr 10 08:37	0° \mathbb{Y}			6574 Mar 12 08:16	0° \mathbb{H}	
	6573 Apr 30 09:07	0° \mathbb{B}		morning max el	6574 Mar 13 11:29	1° \mathbb{H} 06'13	22°40'36
morning set	6573 May 05 18:15	9° \mathbb{B} 05'02		desc. node	6574 Mar 20 21:42	9° \mathbb{H} 45'07	
max. Earth dist.	6573 May 09 10:52	15° \mathbb{B} 35'17	1.38047 AU		6574 Apr 04 06:28	0° \mathbb{Y}	
				morning set	6574 Apr 16 14:04	19° \mathbb{Y} 22'21	
superior conj	6573 May 16 14:03	28° \mathbb{B} 48'05	-1°20'27	max. Earth dist.	6574 Apr 21 07:09	27° \mathbb{Y} 15'48	1.40275 AU
minimum elong	6573 May 16 18:40	29° \mathbb{B} 10'11	1°19'48		6574 Apr 22 21:25	0° \mathbb{B}	
	6573 May 17 05:04	0° \mathbb{I}					
evening rise	6573 May 25 10:36	16° \mathbb{I} 08'21		superior conj	6574 Apr 29 02:07	10° \mathbb{B} 58'13	-1°47'00
asc. node	6573 May 25 10:09	16° \mathbb{I} 06'04		minimum elong	6574 Apr 29 07:30	11° \mathbb{B} 22'37	1°46'29
	6573 Jun 01 18:18	0° \mathbb{G}		evening rise	6574 May 09 00:51	29° \mathbb{B} 32'26	
evening max el	6573 Jun 10 22:44	12° \mathbb{G} 56'21	19°02'28		6574 May 09 06:40	0° \mathbb{I}	
retrograde	6573 Jun 19 16:21	17° \mathbb{G} 13'56		asc. node	6574 May 12 07:10	5° \mathbb{I} 40'53	
evening set	6573 Jun 21 15:53	17° \mathbb{G} 01'36		evening max el	6574 May 25 03:31	25° \mathbb{I} 23'16	18°25'00
inferior conj	6573 Jun 29 22:52	12° \mathbb{G} 47'51	0°00'49	retrograde	6574 Jun 01 14:58	29° \mathbb{I} 06'25	
minimum elong	6573 Jun 29 22:53	12° \mathbb{G} 47'48	0°00'46	evening set	6574 Jun 03 21:17	28° \mathbb{I} 46'56	
transit middle	6573 Jun 29 22:53	12° \mathbb{G} 47'48	0°00'46	inferior conj	6574 Jun 11 08:15	24° \mathbb{I} 13'02	1°33'35
transit begin	6573 Jun 29 19:07	12° \mathbb{G} 54'19		minimum elong	6574 Jun 11 11:10	24° \mathbb{I} 07'08	1°32'35
transit end	6573 Jun 30 02:40	12° \mathbb{G} 41'16		min. Earth dist.	6574 Jun 14 18:04	21° \mathbb{I} 28'33	0.58376 AU
desc. node	6573 Jun 29 23:57	12° \mathbb{G} 45'58		desc. node	6574 Jun 16 20:59	19° \mathbb{I} 57'11	
min. Earth dist.	6573 Jul 02 22:33	10° \mathbb{G} 44'38	0.56448 AU	morning rise	6574 Jun 18 21:50	18° \mathbb{I} 45'00	
morning rise	6573 Jul 08 02:39	7° \mathbb{G} 53'47		direct	6574 Jun 24 22:52	17° \mathbb{I} 09'41	

morning max el	6574 Jul 09 08:07	24° Π 52'10	27°04'56	direct	6575 Jun 07 01:59	28° \mathcal{B} 19'15	
	6574 Jul 14 01:22	0° \mathfrak{D}			6575 Jun 13 06:34	0° Π	
	6574 Aug 02 08:27	0° \mathcal{O}		morning max el	6575 Jun 21 09:26	6° Π 15'48	27°47'17
asc. node	6574 Aug 08 06:29	11° \mathcal{O} 51'14			6575 Jul 09 05:26	0° \mathfrak{D}	
morning set	6574 Aug 08 15:13	12° \mathcal{O} 37'07		morning set	6575 Jul 23 20:39	27° \mathfrak{D} 04'04	
					6575 Jul 25 06:20	0° \mathcal{O}	
superior conj	6574 Aug 15 15:39	27° \mathcal{O} 53'49	1°09'49	asc. node	6575 Jul 26 03:30	1° \mathcal{O} 52'11	
minimum elong	6574 Aug 15 13:23	27° \mathcal{O} 41'14	1°09'25	max. Earth dist.	6575 Jul 29 23:08	10° \mathcal{O} 08'21	1.31906 AU
max. Earth dist.	6574 Aug 15 12:47	27° \mathcal{O} 37'55	1.31822 AU				
	6574 Aug 16 14:26	0° \mathfrak{M}		superior conj	6575 Jul 31 02:49	12° \mathcal{O} 40'37	0°49'27
evening rise	6574 Aug 22 11:09	12° \mathfrak{M} 46'19		minimum elong	6575 Jul 31 00:51	12° \mathcal{O} 29'49	0°49'02
	6574 Aug 31 04:10	0° \mathfrak{L}		evening rise	6575 Aug 06 21:34	27° \mathcal{O} 31'01	
desc. node	6574 Sep 12 20:10	19° \mathfrak{L} 57'55			6575 Aug 08 01:40	0° \mathfrak{M}	
evening max el	6574 Sep 21 02:49	29° \mathfrak{L} 25'24	26°35'40		6575 Aug 24 23:34	0° \mathfrak{L}	
	6574 Sep 21 17:42	0° \mathfrak{M}		desc. node	6575 Aug 30 17:12	7° \mathfrak{L} 15'03	
retrograde	6574 Oct 05 00:50	6° \mathfrak{M} 32'56		evening max el	6575 Sep 02 20:57	10° \mathfrak{L} 31'53	25°22'10
evening set	6574 Oct 11 19:15	4° \mathfrak{M} 38'29		retrograde	6575 Sep 16 18:59	17° \mathfrak{L} 34'47	
min. Earth dist.	6574 Oct 15 16:30	2° \mathfrak{M} 03'12	0.59735 AU	evening set	6575 Sep 22 16:04	16° \mathfrak{L} 15'06	
	6574 Oct 18 07:09	30° \mathfrak{R} \mathfrak{L}		min. Earth dist.	6575 Sep 27 08:37	13° \mathfrak{L} 36'02	0.57706 AU
inferior conj	6574 Oct 18 21:48	29° \mathfrak{L} 30'49	-4°36'57	inferior conj	6575 Sep 30 09:23	11° \mathfrak{L} 31'33	-5°17'20
minimum elong	6574 Oct 19 04:23	29° \mathfrak{L} 17'47	4°35'28	minimum elong	6575 Sep 30 13:07	11° \mathfrak{L} 25'08	5°16'58
morning rise	6574 Oct 26 15:42	24° \mathfrak{L} 52'40		morning rise	6575 Oct 08 12:28	7° \mathfrak{L} 16'43	
direct	6574 Oct 28 22:41	24° \mathfrak{L} 33'35		direct	6575 Oct 10 23:37	6° \mathfrak{L} 58'26	
asc. node	6574 Nov 04 05:50	27° \mathfrak{L} 06'15		morning max el	6575 Oct 19 18:03	11° \mathfrak{L} 08'49	18°57'19
morning max el	6574 Nov 05 14:44	28° \mathfrak{L} 19'19	18°14'21	asc. node	6575 Oct 22 02:52	13° \mathfrak{L} 41'18	
	6574 Nov 07 04:44	0° \mathfrak{M}			6575 Nov 01 08:13	0° \mathfrak{M}	
morning set	6574 Nov 21 10:12	23° \mathfrak{M} 28'27		morning set	6575 Nov 05 08:17	7° \mathfrak{M} 45'15	
	6574 Nov 24 20:58	0° \mathfrak{X}					
superior conj	6574 Nov 30 19:30	11° \mathfrak{X} 00'24	1°02'22	superior conj	6575 Nov 13 17:46	24° \mathfrak{M} 11'09	1°24'28
minimum elong	6574 Nov 30 23:12	11° \mathfrak{X} 17'09	1°01'57	minimum elong	6575 Nov 13 20:50	24° \mathfrak{M} 25'50	1°24'12
max. Earth dist.	6574 Dec 08 10:27	24° \mathfrak{X} 23'48	1.41135 AU		6575 Nov 16 19:47	0° \mathfrak{X}	
desc. node	6574 Dec 09 19:21	26° \mathfrak{X} 42'43		max. Earth dist.	6575 Nov 20 16:22	7° \mathfrak{X} 01'41	1.39015 AU
	6574 Dec 11 18:46	0° \mathfrak{Z}		evening rise	6575 Nov 24 12:49	13° \mathfrak{X} 46'15	
evening rise	6574 Dec 13 05:46	2° \mathfrak{Z} 23'30		desc. node	6575 Nov 26 16:24	17° \mathfrak{X} 24'54	
	6574 Dec 31 10:07	0° \mathfrak{A}			6575 Dec 04 11:42	0° \mathfrak{Z}	
evening max el	6575 Jan 16 07:03	19° \mathfrak{A} 54'04	23°10'06		6575 Dec 26 10:34	0° \mathfrak{A}	
retrograde	6575 Jan 26 15:26	26° \mathfrak{A} 01'50		evening max el	6575 Dec 29 20:26	3° \mathfrak{A} 37'03	24°29'23
asc. node	6575 Jan 31 05:03	24° \mathfrak{A} 17'02		retrograde	6576 Jan 10 06:49	10° \mathfrak{A} 18'22	
evening set	6575 Jan 31 13:30	23° \mathfrak{A} 59'53		evening set	6576 Jan 15 17:41	8° \mathfrak{A} 01'56	
inferior conj	6575 Feb 05 22:58	17° \mathfrak{A} 34'43	1°48'54	asc. node	6576 Jan 18 02:06	5° \mathfrak{A} 38'19	
minimum elong	6575 Feb 05 20:51	17° \mathfrak{A} 42'01	1°48'12	min. Earth dist.	6576 Jan 20 08:53	2° \mathfrak{A} 45'04	0.67872 AU
min. Earth dist.	6575 Feb 05 13:00	18° \mathfrak{A} 09'04	0.68223 AU	inferior conj	6576 Jan 21 06:01	1° \mathfrak{A} 34'23	1°02'29
morning rise	6575 Feb 11 04:07	11° \mathfrak{A} 27'55		minimum elong	6576 Jan 21 04:36	1° \mathfrak{A} 39'08	1°01'57
direct	6575 Feb 15 12:20	9° \mathfrak{A} 43'36			6576 Jan 22 10:35	30° \mathfrak{R} \mathfrak{Z}	
morning max el	6575 Feb 24 02:33	14° \mathfrak{A} 41'43	21°16'16	morning rise	6576 Jan 26 15:39	25° \mathfrak{Z} 33'46	
desc. node	6575 Mar 07 18:42	29° \mathfrak{A} 14'34		direct	6576 Jan 30 10:36	24° \mathfrak{Z} 11'37	
	6575 Mar 08 07:40	0° \mathfrak{H}		morning max el	6576 Feb 07 01:12	28° \mathfrak{Z} 29'28	20°03'05
morning set	6575 Mar 27 05:55	28° \mathfrak{H} 22'01			6576 Feb 08 11:45	0° \mathfrak{A}	
	6575 Mar 28 06:43	0° \mathfrak{Y}		desc. node	6576 Feb 22 15:43	19° \mathfrak{A} 10'47	
max. Earth dist.	6575 Apr 03 09:18	9° \mathfrak{Y} 50'42	1.42350 AU		6576 Feb 29 20:09	0° \mathfrak{H}	
				morning set	6576 Mar 05 03:35	6° \mathfrak{H} 36'35	
superior conj	6575 Apr 10 17:11	22° \mathfrak{Y} 08'49	-2°05'26	max. Earth dist.	6576 Mar 15 18:36	23° \mathfrak{H} 16'12	1.44013 AU
minimum elong	6575 Apr 10 20:55	22° \mathfrak{Y} 24'49	2°05'17		6576 Mar 19 22:53	0° \mathfrak{Y}	
	6575 Apr 15 05:22	0° \mathcal{B}		superior conj	6576 Mar 21 07:22	2° \mathfrak{Y} 12'24	-2°09'57
evening rise	6575 Apr 22 01:35	12° \mathcal{B} 15'50		minimum elong	6576 Mar 21 05:51	2° \mathfrak{Y} 06'13	2°09'57
asc. node	6575 Apr 29 04:13	24° \mathcal{B} 55'24		evening rise	6576 Apr 03 08:17	24° \mathfrak{Y} 08'39	
	6575 May 02 06:08	0° Π			6576 Apr 06 17:56	0° \mathcal{B}	
evening max el	6575 May 08 14:06	8° Π 18'33	18°07'32	asc. node	6576 Apr 15 01:16	13° \mathcal{B} 42'24	
retrograde	6575 May 15 07:21	11° Π 43'45		evening max el	6576 Apr 21 03:04	21° \mathcal{B} 33'01	18°09'22
evening set	6575 May 17 20:48	11° Π 14'14		retrograde	6576 Apr 27 12:59	24° \mathcal{B} 55'05	
inferior conj	6575 May 24 14:19	6° Π 19'49	2°36'31	evening set	6576 Apr 30 09:11	24° \mathcal{B} 13'44	
minimum elong	6575 May 24 17:28	6° Π 12'24	2°35'43	inferior conj	6576 May 06 13:16	19° \mathcal{B} 00'09	3°12'36
min. Earth dist.	6575 May 27 20:38	3° Π 16'39	0.60576 AU	minimum elong	6576 May 06 15:16	18° \mathcal{B} 54'48	3°12'17
morning rise	6575 May 31 11:43	0° Π 26'59		min. Earth dist.	6576 May 09 08:03	16° \mathcal{B} 02'17	0.62748 AU
	6575 Jun 01 05:31	30° \mathfrak{R} \mathcal{B}		morning rise	6576 May 12 19:51	12° \mathcal{B} 52'55	
desc. node	6575 Jun 03 18:00	28° \mathcal{B} 51'43		direct	6576 May 19 15:17	10° \mathcal{B} 19'28	

desc. node	6576 May 20 15:03	10°♄22'29		min. Earth dist.	6577 Apr 22 04:45	29°♊32'57	0.64673 AU
morning max el	6576 Jun 02 16:16	18°♄21'38	27°51'30	morning rise	6577 Apr 25 19:43	25°♊52'10	
	6576 Jun 12 10:55	0°♊		direct	6577 May 02 12:42	23°♊05'06	
	6576 Jul 01 01:56	0°♋		desc. node	6577 May 07 12:04	24°♊22'03	
morning set	6576 Jul 06 20:04	11°♋10'16			6577 May 15 00:57	0°♋	
max. Earth dist.	6576 Jul 12 05:02	22°♋22'01	1.32438 AU	morning max el	6577 May 16 01:55	1°♋01'34	27°20'07
asc. node	6576 Jul 12 00:31	21°♋57'55			6577 Jun 06 13:10	0°♊	
				morning set	6577 Jun 20 10:50	24°♊48'01	
superior conj	6576 Jul 14 11:27	27°♋15'35	0°25'07		6577 Jun 23 01:46	0°♋	
minimum elong	6576 Jul 14 10:18	27°♋09'19	0°24'49	max. Earth dist.	6577 Jun 25 02:40	4°♋08'55	1.33439 AU
	6576 Jul 15 17:40	0°♌					
evening rise	6576 Jul 21 09:18	12°♌15'44		superior conj	6577 Jun 28 15:37	11°♋32'57	-0°02'34
	6576 Jul 30 07:59	0°♍		minimum elong	6577 Jun 28 15:44	11°♋33'39	0°02'35
evening max el	6576 Aug 14 09:17	20°♍58'56	23°48'31	behind sun begin	6577 Jun 28 10:17	11°♋04'46	
desc. node	6576 Aug 16 14:15	22°♍57'45		behind sun end	6577 Jun 28 21:12	12°♋02'34	
retrograde	6576 Aug 28 01:27	27°♍50'42		asc. node	6577 Jun 28 21:33	12°♋04'30	
evening set	6576 Sep 01 12:39	27°♍06'49		evening rise	6577 Jul 05 20:27	26°♋54'54	
min. Earth dist.	6576 Sep 07 19:34	24°♍05'11	0.55999 AU		6577 Jul 07 07:49	0°♌	
inferior conj	6576 Sep 10 00:39	22°♍44'55	-5°22'35		6577 Jul 25 16:59	0°♍	
minimum elong	6576 Sep 09 22:01	22°♍48'56	5°22'26	evening max el	6577 Jul 26 23:17	1°♍17'27	22°10'39
morning rise	6576 Sep 18 09:44	18°♍49'09		desc. node	6577 Aug 03 11:16	6°♍33'33	
direct	6576 Sep 21 04:51	18°♍29'25		retrograde	6577 Aug 08 19:37	7°♍40'18	
morning max el	6576 Oct 01 10:09	23°♍15'51	20°02'23	evening set	6577 Aug 11 19:15	7°♍20'34	
	6576 Oct 07 02:45	0°♎		min. Earth dist.	6577 Aug 20 04:59	3°♍42'26	0.54950 AU
asc. node	6576 Oct 07 23:54	1°♎16'52		inferior conj	6577 Aug 20 23:17	3°♍16'41	-4°36'53
morning set	6576 Oct 19 13:02	22°♎19'45		minimum elong	6577 Aug 20 14:48	3°♍28'38	4°35'05
	6576 Oct 23 07:02	0°♏			6577 Aug 27 16:01	30°♌♏	
				morning rise	6577 Aug 29 11:58	29°♌27'25	
superior conj	6576 Oct 27 06:06	8°♏02'10	1°37'25	direct	6577 Sep 01 18:25	29°♌03'32	
minimum elong	6576 Oct 27 07:49	8°♏10'50	1°37'20		6577 Sep 06 15:23	0°♍	
max. Earth dist.	6576 Nov 01 21:59	19°♏04'37	1.36922 AU	morning max el	6577 Sep 13 13:37	4°♍35'17	21°28'26
evening rise	6576 Nov 05 17:08	26°♏06'13		asc. node	6577 Sep 24 20:54	19°♍39'23	
	6576 Nov 07 21:32	0°♎			6577 Sep 30 10:34	0°♎	
desc. node	6576 Nov 12 13:26	7°♎59'01		morning set	6577 Oct 03 22:00	7°♎05'12	
	6576 Nov 26 23:57	0°♏					
evening max el	6576 Dec 11 09:11	17°♏22'21	25°42'06	superior conj	6577 Oct 11 04:21	22°♎21'25	1°42'24
retrograde	6576 Dec 23 17:40	24°♏26'56		minimum elong	6577 Oct 11 04:38	22°♎22'55	1°42'24
evening set	6576 Dec 29 17:37	21°♏58'29			6577 Oct 14 21:49	0°♏	
min. Earth dist.	6577 Jan 03 01:42	17°♏16'03	0.67151 AU	max. Earth dist.	6577 Oct 15 09:08	0°♏56'47	1.35078 AU
asc. node	6577 Jan 03 23:09	16°♏08'01		evening rise	6577 Oct 19 14:59	9°♏13'57	
inferior conj	6577 Jan 04 09:59	15°♏33'28	0°09'08	desc. node	6577 Oct 30 10:28	28°♏19'59	
minimum elong	6577 Jan 04 09:45	15°♏34'13	0°09'05		6577 Oct 31 11:05	0°♎	
transit middle	6577 Jan 04 09:45	15°♏34'13	0°09'05		6577 Nov 22 20:06	0°♏	
transit begin	6577 Jan 04 07:25	15°♏41'38		evening max el	6577 Nov 23 22:17	1°♏04'32	26°40'48
transit end	6577 Jan 04 12:05	15°♏26'49		retrograde	6577 Dec 06 23:06	8°♏20'36	
morning rise	6577 Jan 10 02:20	9°♏40'57		evening set	6577 Dec 13 11:22	5°♏44'19	
direct	6577 Jan 13 09:32	8°♏38'24		min. Earth dist.	6577 Dec 17 13:05	1°♏36'47	0.66076 AU
morning max el	6577 Jan 20 07:39	12°♏27'35	19°04'32		6577 Dec 18 21:50	30°♌♎	
	6577 Feb 02 09:05	0°♏		inferior conj	6577 Dec 19 08:49	29°♎27'20	-0°50'18
greatest brilliancy	6577 Feb 03 06:50	1°♏22'34	-0.8m	minimum elong	6577 Dec 19 10:14	29°♎23'09	0°49'39
desc. node	6577 Feb 08 12:45	9°♏26'43		asc. node	6577 Dec 21 20:12	26°♎39'19	
morning set	6577 Feb 12 06:53	15°♏16'21		morning rise	6577 Dec 25 09:57	23°♎45'29	
	6577 Feb 21 17:43	0°♐		direct	6577 Dec 28 07:20	22°♎58'56	
max. Earth dist.	6577 Feb 26 09:45	7°♐19'07	1.45074 AU	morning max el	6578 Jan 03 20:17	26°♎30'43	18°22'09
					6578 Jan 06 21:50	0°♏	
superior conj	6577 Feb 28 22:20	11°♐17'51	-1°55'26	morning set	6578 Jan 23 11:43	25°♏16'10	
minimum elong	6577 Feb 28 14:25	10°♐46'36	1°54'53	desc. node	6578 Jan 26 09:45	29°♏56'20	
	6577 Mar 12 14:21	0°♑			6578 Jan 26 10:40	0°♏	
evening rise	6577 Mar 15 16:54	5°♑04'19					
	6577 Mar 31 11:49	0°♒		superior conj	6578 Feb 08 02:10	19°♏59'49	-1°21'50
asc. node	6577 Apr 01 22:20	1°♒53'27		minimum elong	6578 Feb 07 17:02	19°♏24'00	1°20'47
evening max el	6577 Apr 04 15:30	4°♒59'35	18°29'40	max. Earth dist.	6578 Feb 09 04:45	21°♏44'02	1.45422 AU
retrograde	6577 Apr 11 03:25	8°♒31'48			6578 Feb 14 11:30	0°♐	
evening set	6577 Apr 14 06:23	7°♒37'21		evening rise	6578 Feb 24 02:17	15°♐04'36	
inferior conj	6577 Apr 20 00:56	2°♒06'03	3°27'22		6578 Mar 05 14:42	0°♑	
minimum elong	6577 Apr 20 01:26	2°♒04'34	3°27'20	greatest brilliancy	6578 Mar 06 13:07	1°♑26'43	-0.8m
	6577 Apr 21 19:26	30°♌♑		evening max el	6578 Mar 19 00:58	18°♑32'12	19°07'26

asc. node	6578 Mar 19 19:23	19° Υ 17'12		retrograde	6579 Mar 09 21:06	6° Υ 33'45	
retrograde	6578 Mar 25 23:02	22° Υ 26'20		evening set	6579 Mar 13 15:38	5° Υ 10'49	
evening set	6578 Mar 29 09:18	21° Υ 17'58			6579 Mar 18 09:21	30° \Re	
inferior conj	6578 Apr 03 21:41	15° Υ 30'25	3°25'45	inferior conj	6579 Mar 19 00:35	29° \Re 08'56	3°11'17
minimum elong	6578 Apr 03 20:52	15° Υ 33'03	3°25'41	minimum elong	6579 Mar 18 22:49	29° \Re 14'51	3°11'00
min. Earth dist.	6578 Apr 05 09:59	13° Υ 34'25	0.66217 AU	min. Earth dist.	6579 Mar 19 22:21	27° \Re 55'38	0.67326 AU
morning rise	6578 Apr 09 08:03	9° Υ 14'26		morning rise	6579 Mar 24 05:48	22° \Re 53'24	
direct	6578 Apr 15 16:44	6° Υ 26'59		direct	6579 Mar 30 02:22	20° \Re 16'25	
desc. node	6578 Apr 24 09:05	10° Υ 18'52		morning max el	6579 Apr 10 21:06	27° \Re 19'18	25°00'33
morning max el	6578 Apr 28 11:55	14° Υ 03'54	26°20'02	desc. node	6579 Apr 11 06:07	27° \Re 42'19	
	6578 May 11 10:39	0° \Re			6579 Apr 13 09:23	0° Υ	
	6578 May 30 07:07	0° Π			6579 May 05 02:29	0° \Re	
morning set	6578 Jun 03 13:23	7° Π 46'48		morning set	6579 May 16 23:08	19° \Re 54'33	
max. Earth dist.	6578 Jun 07 13:26	15° Π 26'40	1.34917 AU	max. Earth dist.	6579 May 20 14:12	26° \Re 30'04	1.36821 AU
					6579 May 22 11:09	0° Π	
superior conj	6578 Jun 12 12:52	25° Π 25'30	-0°32'33				
minimum elong	6578 Jun 12 14:42	25° Π 34'52	0°32'14	superior conj	6579 May 27 00:18	8° Π 45'43	-1°03'19
	6578 Jun 14 18:04	0° \Re		minimum elong	6579 May 27 03:59	9° Π 03'50	1°02'43
asc. node	6578 Jun 15 18:35	2° \Re 07'32		asc. node	6579 Jun 02 15:36	22° Π 03'10	
evening rise	6578 Jun 20 05:03	11° \Re 22'08		evening rise	6579 Jun 04 08:51	25° Π 31'07	
	6578 Jun 29 23:28	0° Ω			6579 Jun 06 14:46	0° \Re	
evening max el	6578 Jul 08 22:46	11° Ω 59'42	20°42'55	evening max el	6579 Jun 21 11:00	23° \Re 23'02	19°33'11
retrograde	6578 Jul 20 07:42	17° Ω 35'53		retrograde	6579 Jul 01 02:41	28° \Re 07'36	
desc. node	6578 Jul 21 08:17	17° Ω 33'19		evening set	6579 Jul 03 00:00	27° \Re 57'30	
evening set	6578 Jul 22 09:44	17° Ω 25'22		desc. node	6579 Jul 08 05:20	25° \Re 59'24	
inferior conj	6578 Jul 31 16:07	13° Ω 28'29	-3°01'46	inferior conj	6579 Jul 11 17:48	23° \Re 52'34	-1°03'54
minimum elong	6578 Jul 31 08:01	13° Ω 40'02	2°59'04	minimum elong	6579 Jul 11 14:54	23° \Re 57'10	1°02'49
min. Earth dist.	6578 Aug 01 15:09	12° Ω 55'36	0.54797 AU	min. Earth dist.	6579 Jul 14 03:48	22° \Re 20'41	0.55600 AU
morning rise	6578 Aug 09 06:03	9° Ω 26'43		morning rise	6579 Jul 20 03:21	19° \Re 19'53	
direct	6578 Aug 13 03:21	8° Ω 54'18		direct	6579 Jul 24 19:53	18° \Re 30'44	
morning max el	6578 Aug 26 06:50	15° Ω 13'26	23°09'47	morning max el	6579 Aug 07 19:56	25° \Re 31'25	24°54'07
	6578 Sep 06 19:18	0° Π			6579 Aug 12 00:57	0° Ω	
asc. node	6578 Sep 11 17:56	8° Π 37'42		asc. node	6579 Aug 29 14:56	28° Ω 01'55	
morning set	6578 Sep 18 09:12	21° Π 56'25			6579 Aug 30 14:29	0° Π	
	6578 Sep 22 03:30	0° \Re		morning set	6579 Sep 02 20:55	6° Π 47'16	
superior conj	6578 Sep 25 09:23	6° \Re 59'49	1°40'31	superior conj	6579 Sep 09 18:37	21° Π 48'38	1°32'40
minimum elong	6578 Sep 25 08:26	6° \Re 54'47	1°40'29	minimum elong	6579 Sep 09 16:49	21° Π 38'47	1°32'31
max. Earth dist.	6578 Sep 28 04:59	12° \Re 59'02	1.33608 AU	max. Earth dist.	6579 Sep 11 08:41	25° Π 16'14	1.32563 AU
evening rise	6578 Oct 03 02:20	22° \Re 59'02			6579 Sep 13 13:20	0° \Re	
	6578 Oct 06 17:26	0° Π		evening rise	6579 Sep 16 23:33	7° \Re 10'38	
desc. node	6578 Oct 17 07:28	18° Π 21'50			6579 Sep 29 05:17	0° Π	
	6578 Oct 25 03:28	0° \Re		desc. node	6579 Oct 04 04:29	7° Π 55'33	
evening max el	6578 Nov 06 11:03	14° \Re 33'47	27°18'04	evening max el	6579 Oct 19 21:29	27° Π 36'09	27°27'26
retrograde	6578 Nov 19 22:22	21° \Re 52'13			6579 Oct 22 14:56	0° \Re	
evening set	6578 Nov 26 20:39	19° \Re 14'27		retrograde	6579 Nov 02 15:02	4° \Re 52'01	
min. Earth dist.	6578 Nov 30 16:42	15° \Re 41'10	0.64657 AU	evening set	6579 Nov 09 18:31	2° \Re 21'50	
inferior conj	6578 Dec 03 00:13	13° \Re 11'08	-1°54'25		6579 Nov 12 16:47	30° \Re	
minimum elong	6578 Dec 03 03:38	13° \Re 01'53	1°52'58	min. Earth dist.	6579 Nov 13 10:30	29° Π 19'09	0.62918 AU
asc. node	6578 Dec 08 17:13	8° \Re 06'27		inferior conj	6579 Nov 16 05:22	26° Π 37'13	-3°00'42
morning rise	6578 Dec 09 11:56	7° \Re 43'00		minimum elong	6579 Nov 16 10:48	26° Π 24'01	2°58'44
direct	6578 Dec 12 01:39	7° \Re 08'40		morning rise	6579 Nov 23 04:54	21° Π 26'15	
morning max el	6578 Dec 18 12:37	10° \Re 32'57	17°56'41	direct	6579 Nov 25 13:26	21° Π 00'28	
	6578 Dec 31 21:31	0° \Re		asc. node	6579 Nov 25 14:15	21° Π 00'29	
morning set	6579 Jan 04 22:00	6° \Re 43'44		morning max el	6579 Dec 02 05:38	24° Π 26'15	17°48'42
desc. node	6579 Jan 13 06:46	20° \Re 35'31			6579 Dec 06 18:12	0° \Re	
				morning set	6579 Dec 18 08:29	19° \Re 20'38	
superior conj	6579 Jan 18 14:42	29° \Re 12'40	-0°37'09		6579 Dec 24 11:00	0° \Re	
minimum elong	6579 Jan 18 10:17	28° \Re 55'00	0°36'30				
	6579 Jan 19 02:32	0° \Re		superior conj	6579 Dec 30 02:17	9° \Re 33'58	0°07'37
max. Earth dist.	6579 Jan 23 00:33	6° \Re 13'12	1.45022 AU	minimum elong	6579 Dec 30 03:03	9° \Re 37'10	0°07'33
evening rise	6579 Feb 03 18:02	24° \Re 28'04		behind sun begin	6579 Dec 29 18:52	9° \Re 02'56	
	6579 Feb 07 08:36	0° \Re		behind sun end	6579 Dec 30 11:15	10° \Re 11'21	
greatest brilliancy	6579 Feb 18 07:23	16° \Re 29'24	-0.6m	desc. node	6579 Dec 31 03:44	11° \Re 19'51	
	6579 Feb 28 07:04	0° Υ		max. Earth dist.	6580 Jan 05 17:41	20° \Re 26'31	1.43924 AU
evening max el	6579 Mar 02 05:42	2° Υ 07'33	20°01'04		6580 Jan 11 18:34	0° \Re	
asc. node	6579 Mar 06 16:25	5° Υ 40'39		evening rise	6580 Jan 14 04:57	3° \Re 46'41	

	6580 Jan 31 19:53	0° H		evening max el	6581 Jan 25 22:59	29° \approx 21'42	22°24'14
evening max el	6580 Feb 13 04:53	15° H 43'43	21°08'02		6581 Jan 26 14:26	0° H	
retrograde	6580 Feb 21 19:24	20° H 48'59		retrograde	6581 Feb 04 16:04	5° H 07'53	
asc. node	6580 Feb 21 13:27	20° H 48'39		asc. node	6581 Feb 07 10:31	4° H 28'12	
evening set	6580 Feb 25 23:27	19° H 11'06		evening set	6581 Feb 09 07:04	3° H 14'48	
inferior conj	6580 Mar 02 07:12	12° H 57'26	2°46'18		6581 Feb 12 07:59	30° R \approx	
minimum elong	6580 Mar 02 04:57	13° H 05'15	2°45'45	inferior conj	6581 Feb 14 15:27	26° \approx 52'41	2°12'14
min. Earth dist.	6580 Mar 02 15:49	12° H 27'37	0.67992 AU	minimum elong	6581 Feb 14 13:09	27° \approx 00'41	2°11'32
morning rise	6580 Mar 07 10:16	6° H 44'01		min. Earth dist.	6581 Feb 14 12:05	27° \approx 04'24	0.68249 AU
direct	6580 Mar 12 16:51	4° H 24'53		morning rise	6581 Feb 19 19:06	20° \approx 42'50	
morning max el	6580 Mar 23 06:12	10° H 42'01	23°31'53	direct	6581 Feb 24 11:20	18° \approx 45'21	
desc. node	6580 Mar 28 03:08	16° H 07'54		morning max el	6581 Mar 05 18:00	24° \approx 11'44	22°03'35
	6580 Apr 07 13:46	0° Y			6581 Mar 10 21:23	0° H	
	6580 Apr 26 21:00	0° B		desc. node	6581 Mar 15 00:08	5° H 17'51	
morning set	6580 Apr 27 10:28	0° B 56'50			6581 Mar 31 23:51	0° Y	
max. Earth dist.	6580 May 01 10:03	7° B 48'28	1.38991 AU	morning set	6581 Apr 07 18:11	10° Y 40'17	
				max. Earth dist.	6581 Apr 13 07:49	19° Y 49'10	1.41187 AU
					6581 Apr 19 06:36	0° B	
superior conj	6580 May 08 22:12	21° B 24'38	-1°32'24				
minimum elong	6580 May 09 03:20	21° B 48'40	1°31'46				
	6580 May 13 10:40	0° II		superior conj	6581 Apr 21 01:54	3° B 10'36	-1°56'09
evening rise	6580 May 18 05:03	9° II 14'34		minimum elong	6581 Apr 21 06:58	3° B 33'05	1°55'47
asc. node	6580 May 19 12:38	11° II 47'20		evening rise	6581 May 01 14:05	22° B 22'29	
	6580 May 29 22:32	0° E			6581 May 05 17:15	0° II	
evening max el	6580 Jun 03 10:45	5° E 29'15	18°44'01	asc. node	6581 May 06 09:41	1° II 14'23	
retrograde	6580 Jun 11 14:23	9° E 30'43		evening max el	6581 May 17 18:30	18° II 09'42	18°15'14
evening set	6580 Jun 13 16:23	9° E 15'54		retrograde	6581 May 24 20:51	21° II 43'12	
inferior conj	6580 Jun 21 14:45	4° E 53'50	0°43'43	evening set	6581 May 27 06:10	21° II 19'50	
minimum elong	6580 Jun 21 16:23	4° E 50'49	0°43'04	inferior conj	6581 Jun 03 09:19	16° II 37'30	2°03'50
desc. node	6580 Jun 24 02:23	3° E 03'21		minimum elong	6581 Jun 03 12:35	16° II 30'26	2°02'50
min. Earth dist.	6580 Jun 24 20:40	2° E 30'34	0.57202 AU	min. Earth dist.	6581 Jun 06 19:10	13° II 41'43	0.59296 AU
	6580 Jun 28 23:22	30° R II		morning rise	6581 Jun 10 16:00	10° II 57'27	
morning rise	6580 Jun 29 12:56	29° II 44'06		desc. node	6581 Jun 10 23:26	10° II 47'05	
direct	6580 Jul 05 02:50	28° II 27'35		direct	6581 Jun 16 23:43	9° II 07'38	
	6580 Jul 11 08:30	0° E		morning max el	6581 Jul 01 08:48	16° II 57'55	27°27'26
morning max el	6580 Jul 19 11:28	5° E 59'00	26°24'51		6581 Jul 12 03:00	0° E	
	6580 Aug 06 03:25	0° O			6581 Jul 29 15:33	0° O	
asc. node	6580 Aug 15 11:57	17° O 45'00		morning set	6581 Aug 01 15:21	6° O 07'58	
morning set	6580 Aug 17 07:32	21° O 33'02		asc. node	6581 Aug 02 08:58	7° O 40'38	
	6580 Aug 21 05:18	0° M		max. Earth dist.	6581 Aug 08 04:21	20° O 17'31	1.31800 AU
superior conj	6580 Aug 24 06:03	6° M 41'33	1°19'33	superior conj	6581 Aug 08 17:49	21° O 32'02	1°01'42
minimum elong	6580 Aug 24 03:49	6° M 29'13	1°19'14	minimum elong	6581 Aug 08 15:37	21° O 19'52	1°01'17
max. Earth dist.	6580 Aug 24 17:38	7° M 45'32	1.31961 AU		6581 Aug 12 13:52	0° M	
evening rise	6580 Aug 31 03:45	21° M 40'49		evening rise	6581 Aug 15 12:30	6° M 21'49	
	6580 Sep 04 05:40	0° E			6581 Aug 27 20:21	0° E	
desc. node	6580 Sep 20 01:31	26° E 49'44		desc. node	6581 Sep 06 22:34	14° E 48'14	
	6580 Sep 22 09:12	0° M		evening max el	6581 Sep 13 01:56	21° E 34'21	26°07'48
evening max el	6580 Oct 01 03:12	9° M 59'20	27°04'15	retrograde	6581 Sep 27 00:48	28° E 40'33	
retrograde	6580 Oct 15 00:25	17° M 10'42		evening set	6581 Oct 03 11:33	27° E 00'19	
evening set	6580 Oct 22 01:06	14° M 59'40		min. Earth dist.	6581 Oct 07 15:00	24° E 25'28	0.58845 AU
min. Earth dist.	6580 Oct 25 17:43	12° M 18'26	0.60929 AU	inferior conj	6581 Oct 10 19:46	22° E 02'47	-4°57'18
inferior conj	6580 Oct 28 21:03	9° M 37'36	-4°04'31	minimum elong	6581 Oct 11 01:36	21° E 51'52	4°56'16
minimum elong	6580 Oct 29 03:46	9° M 23'13	4°02'36	morning rise	6581 Oct 18 17:55	17° E 34'30	
morning rise	6580 Nov 05 08:36	4° M 46'53		direct	6581 Oct 21 01:58	17° E 16'11	
direct	6580 Nov 07 14:55	4° M 26'22		morning max el	6581 Oct 29 04:25	21° E 11'36	18°29'59
asc. node	6580 Nov 11 11:18	5° M 28'25		asc. node	6581 Oct 29 08:19	21° E 21'06	
morning max el	6580 Nov 14 20:04	8° M 02'24	17°59'17		6581 Nov 04 22:40	0° M	
	6580 Nov 29 00:21	0° A		morning set	6581 Nov 14 05:37	16° M 50'08	
morning set	6580 Nov 30 12:47	2° A 47'49			6581 Nov 21 02:23	0° A	
superior conj	6580 Dec 10 15:54	21° A 10'31	0°45'09	superior conj	6581 Nov 23 03:46	3° A 51'10	1°12'55
minimum elong	6580 Dec 10 19:15	21° A 25'15	0°44'44	minimum elong	6581 Nov 23 07:21	4° A 07'45	1°12'32
	6580 Dec 15 18:43	0° B		max. Earth dist.	6581 Nov 30 13:44	17° A 10'00	1.40244 AU
desc. node	6580 Dec 17 00:44	2° B 06'12		desc. node	6581 Dec 03 21:45	22° A 51'15	
max. Earth dist.	6580 Dec 18 06:05	4° B 08'28	1.42265 AU	evening rise	6581 Dec 04 20:38	24° A 26'51	
evening rise	6580 Dec 24 02:32	13° B 38'25			6581 Dec 08 05:57	0° B	
	6581 Jan 03 18:06	0° \approx			6581 Dec 28 14:00	0° \approx	

evening max el	6582 Jan 08 13:43	13° \approx 03'52	23°44'14		6582 Dec 01 05:03	0° \approx	
retrograde	6582 Jan 19 09:39	19° \approx 26'58		evening max el	6582 Dec 22 02:50	26° \approx 49'08	25°01'37
evening set	6582 Jan 24 12:57	17° \approx 18'59			6582 Dec 25 16:22	0° \approx	
asc. node	6582 Jan 25 07:34	16° \approx 36'41		retrograde	6583 Jan 02 23:02	3° \approx 40'58	
inferior conj	6582 Jan 29 23:29	10° \approx 52'18	1°30'08	evening set	6583 Jan 08 15:31	1° \approx 19'11	
minimum elong	6582 Jan 29 21:37	10° \approx 58'43	1°29'29		6583 Jan 10 01:00	30° \approx 30'41	
min. Earth dist.	6582 Jan 29 08:50	11° \approx 42'18	0.68119 AU	asc. node	6583 Jan 12 04:37	27° \approx 30'41	
morning rise	6582 Feb 04 06:14	4° \approx 47'40		min. Earth dist.	6583 Jan 13 03:39	26° \approx 31'58	0.67614 AU
direct	6582 Feb 08 08:43	3° \approx 12'47		inferior conj	6583 Jan 14 05:28	24° \approx 52'22	0°40'41
morning max el	6582 Feb 16 12:00	7° \approx 52'31	20°43'26	minimum elong	6583 Jan 14 04:29	24° \approx 55'35	0°40'20
desc. node	6582 Mar 01 21:08	25° \approx 00'16		morning rise	6583 Jan 19 17:40	18° \approx 54'56	
	6582 Mar 05 07:33	0° \approx		direct	6583 Jan 23 07:31	17° \approx 41'18	
morning set	6582 Mar 18 00:06	19° \approx 14'10		morning max el	6583 Jan 30 14:00	21° \approx 45'05	19°36'17
	6582 Mar 24 19:33	0° \approx			6583 Feb 06 09:40	0° \approx	
max. Earth dist.	6582 Mar 26 12:45	2° \approx 46'05	1.43126 AU	greatest brilliancy	6583 Feb 12 11:43	8° \approx 42'25	-0.7m
				desc. node	6583 Feb 16 18:07	15° \approx 05'50	
superior conj	6582 Apr 02 06:46	13° \approx 53'54	-2°09'24	morning set	6583 Feb 24 21:01	27° \approx 30'48	
minimum elong	6582 Apr 02 08:41	14° \approx 02'00	2°09'23		6583 Feb 26 11:40	0° \approx	
	6582 Apr 11 15:05	0° \approx		max. Earth dist.	6583 Mar 09 01:22	16° \approx 31'50	1.44557 AU
evening rise	6582 Apr 14 07:43	4° \approx 45'33					
asc. node	6582 Apr 23 06:45	20° \approx 18'18		superior conj	6583 Mar 13 10:22	23° \approx 30'45	-2°06'18
	6582 Apr 30 02:20	0° \approx		minimum elong	6583 Mar 13 05:56	23° \approx 12'54	2°06'08
evening max el	6582 May 01 06:34	1° \approx 14'43	18°06'01		6583 Mar 17 10:31	0° \approx	
retrograde	6582 May 07 19:17	4° \approx 36'25		evening rise	6583 Mar 27 05:24	16° \approx 14'48	
evening set	6582 May 10 11:44	4° \approx 01'56			6583 Apr 04 10:28	0° \approx	
	6582 May 15 22:23	30° \approx 30'41		asc. node	6583 Apr 10 03:48	8° \approx 51'22	
inferior conj	6582 May 16 23:03	28° \approx 59'18	2°54'43	evening max el	6583 Apr 14 19:39	14° \approx 35'25	18°15'43
minimum elong	6582 May 17 01:49	28° \approx 52'25	2°54'09	retrograde	6583 Apr 21 05:11	18° \approx 00'03	
min. Earth dist.	6582 May 20 01:13	25° \approx 55'41	0.61530 AU	evening set	6583 Apr 24 04:20	17° \approx 13'04	
morning rise	6582 May 23 13:54	22° \approx 59'32		inferior conj	6583 Apr 30 03:53	11° \approx 51'32	3°21'07
desc. node	6582 May 28 20:28	20° \approx 45'53		minimum elong	6583 Apr 30 05:15	11° \approx 47'42	3°20'58
direct	6582 May 30 07:37	20° \approx 39'26		min. Earth dist.	6583 May 02 16:24	9° \approx 02'34	0.63613 AU
morning max el	6582 Jun 13 12:26	28° \approx 38'54	27°53'35	morning rise	6583 May 06 05:04	5° \approx 40'53	
	6582 Jun 14 20:03	0° \approx		direct	6583 May 13 00:16	3° \approx 00'22	
	6582 Jul 05 23:38	0° \approx		desc. node	6583 May 15 17:29	3° \approx 23'14	
morning set	6582 Jul 16 18:28	20° \approx 26'26		morning max el	6583 May 26 20:49	11° \approx 00'43	27°42'13
asc. node	6582 Jul 20 06:00	27° \approx 44'02			6583 Jun 10 19:49	0° \approx	
	6582 Jul 21 07:20	0° \approx			6583 Jun 28 09:14	0° \approx	
max. Earth dist.	6582 Jul 22 13:11	2° \approx 41'34	1.32079 AU	morning set	6583 Jun 30 14:35	4° \approx 21'54	
				max. Earth dist.	6583 Jul 05 16:14	14° \approx 46'22	1.32809 AU
superior conj	6582 Jul 24 04:08	6° \approx 14'22	0°39'35	asc. node	6583 Jul 07 03:02	17° \approx 50'59	
minimum elong	6582 Jul 24 02:27	6° \approx 05'10	0°39'12				
evening rise	6582 Jul 30 23:42	21° \approx 07'12		superior conj	6583 Jul 08 11:08	20° \approx 43'00	0°13'45
	6582 Aug 04 06:24	0° \approx		minimum elong	6583 Jul 08 10:28	20° \approx 39'26	0°13'33
	6582 Aug 23 09:48	0° \approx		behind sun begin	6583 Jul 08 07:37	20° \approx 24'08	
desc. node	6582 Aug 24 19:38	1° \approx 28'48		behind sun end	6583 Jul 08 13:19	20° \approx 54'44	
evening max el	6582 Aug 25 17:15	2° \approx 21'59	24°43'58		6583 Jul 12 18:04	0° \approx	
retrograde	6582 Sep 08 13:52	9° \approx 20'47		evening rise	6583 Jul 15 11:27	5° \approx 51'01	
evening set	6582 Sep 13 21:38	8° \approx 17'16			6583 Jul 28 06:56	0° \approx	
min. Earth dist.	6582 Sep 19 04:28	5° \approx 30'35	0.56918 AU	evening max el	6583 Aug 07 05:13	12° \approx 41'30	23°06'24
inferior conj	6582 Sep 21 22:39	3° \approx 43'37	-5°25'00	desc. node	6583 Aug 11 16:40	16° \approx 22'28	
minimum elong	6582 Sep 21 24:00	3° \approx 41'26	5°24'57	retrograde	6583 Aug 20 14:33	19° \approx 23'19	
	6582 Sep 28 21:28	30° \approx 30'41		evening set	6583 Aug 24 10:11	18° \approx 51'25	
morning rise	6582 Sep 30 04:36	29° \approx 37'28		min. Earth dist.	6583 Aug 31 14:00	15° \approx 36'08	0.55456 AU
direct	6582 Oct 02 18:49	29° \approx 18'43		inferior conj	6583 Sep 02 06:01	14° \approx 38'08	-5°09'56
	6582 Oct 06 12:09	0° \approx		minimum elong	6583 Sep 02 00:25	14° \approx 46'16	5°09'15
morning max el	6582 Oct 12 03:09	3° \approx 43'23	19°22'18	morning rise	6583 Sep 10 16:53	10° \approx 47'31	
asc. node	6582 Oct 16 05:21	8° \approx 23'26		direct	6583 Sep 13 16:40	10° \approx 26'18	
	6582 Oct 28 15:44	0° \approx		morning max el	6583 Sep 24 13:49	15° \approx 30'33	20°36'41
morning set	6582 Oct 29 06:53	1° \approx 15'31		asc. node	6583 Oct 03 02:22	26° \approx 20'55	
					6583 Oct 05 07:05	0° \approx	
superior conj	6582 Nov 06 08:32	17° \approx 20'19	1°31'00	morning set	6583 Oct 13 13:42	15° \approx 56'08	
minimum elong	6582 Nov 06 11:05	17° \approx 32'45	1°30'50		6583 Oct 20 08:53	0° \approx	
max. Earth dist.	6582 Nov 12 19:11	29° \approx 32'11	1.38106 AU				
	6582 Nov 13 01:17	0° \approx		superior conj	6583 Oct 21 01:33	1° \approx 25'09	1°40'26
evening rise	6582 Nov 16 13:04	6° \approx 14'52		minimum elong	6583 Oct 21 02:39	1° \approx 30'48	1°40'25
desc. node	6582 Nov 20 18:47	13° \approx 30'37		max. Earth dist.	6583 Oct 26 02:56	11° \approx 29'33	1.36097 AU

evening rise	6583 Oct 30 01:20	18° \mathbb{M} 56'35		6584 Sep 26 15:17	0° $\underline{\mathfrak{A}}$	
	6583 Nov 05 06:40	0° \mathfrak{A}				
desc. node	6583 Nov 07 15:49	4° \mathfrak{A} 00'10		superior conj	6584 Oct 04 03:02	15° $\underline{\mathfrak{A}}$ 53'48 1°42'22
	6583 Nov 25 08:30	0° \mathfrak{B}		minimum elong	6584 Oct 04 02:46	15° $\underline{\mathfrak{A}}$ 52'23 1°42'23
evening max el	6583 Dec 04 15:39	10° \mathfrak{B} 33'56 26°09'09		max. Earth dist.	6584 Oct 07 17:22	23° $\underline{\mathfrak{A}}$ 23'03 1.34397 AU
retrograde	6583 Dec 17 07:31	17° \mathfrak{B} 44'23			6584 Oct 11 00:26	0° \mathbb{M}
evening set	6583 Dec 23 13:02	15° \mathfrak{B} 11'43		evening rise	6584 Oct 12 05:22	2° \mathbb{M} 21'11
min. Earth dist.	6583 Dec 27 18:18	10° \mathfrak{B} 44'25 0.66743 AU		desc. node	6584 Oct 24 12:51	24° \mathbb{M} 13'53
inferior conj	6583 Dec 29 07:28	8° \mathfrak{B} 49'38 -0°15'23			6584 Oct 28 04:44	0° \mathfrak{A}
minimum elong	6583 Dec 29 07:53	8° \mathfrak{B} 48'23 0°15'09		evening max el	6584 Nov 16 04:29	24° \mathfrak{A} 11'02 26°59'37
transit middle	6583 Dec 29 07:53	8° \mathfrak{B} 48'23 0°15'09			6584 Nov 23 21:35	0° \mathfrak{B}
transit begin	6583 Dec 29 06:54	8° \mathfrak{B} 51'23		retrograde	6584 Nov 29 10:31	1° \mathfrak{B} 29'49
transit end	6583 Dec 29 08:51	8° \mathfrak{B} 45'23			6584 Dec 04 12:20	30° \mathbb{R} \mathfrak{A}
asc. node	6583 Dec 30 01:39	7° \mathfrak{B} 53'51		evening set	6584 Dec 06 03:30	28° \mathfrak{A} 51'38
morning rise	6584 Jan 04 03:20	3° \mathfrak{B} 01'36		min. Earth dist.	6584 Dec 10 02:33	24° \mathfrak{A} 59'06 0.65511 AU
direct	6584 Jan 07 06:09	2° \mathfrak{B} 06'19		inferior conj	6584 Dec 12 03:24	22° \mathfrak{A} 39'39 -1°17'02
morning max el	6584 Jan 13 23:24	5° \mathfrak{B} 46'27 18°44'32		minimum elong	6584 Dec 12 05:38	22° \mathfrak{A} 33'16 1°16'03
	6584 Jan 31 03:27	0° \approx		asc. node	6584 Dec 15 22:40	18° \mathfrak{A} 42'58
desc. node	6584 Feb 03 15:06	5° \approx 28'13		morning rise	6584 Dec 18 08:53	17° \mathfrak{A} 03'31
morning set	6584 Feb 04 09:40	6° \approx 41'07		direct	6584 Dec 21 02:38	16° \mathfrak{A} 22'47
	6584 Feb 19 06:41	0° \mathfrak{H}		morning max el	6584 Dec 27 14:00	19° \mathfrak{A} 50'21 18°09'15
max. Earth dist.	6584 Feb 19 18:51	0° \mathfrak{H} 47'43 1.45316 AU			6585 Jan 04 08:16	0° \mathfrak{B}
				morning set	6585 Jan 15 03:15	17° \mathfrak{B} 19'12
superior conj	6584 Feb 20 18:21	2° \mathfrak{H} 19'54 -1°43'12		desc. node	6585 Jan 20 12:07	26° \mathfrak{B} 02'28
minimum elong	6584 Feb 20 09:01	1° \mathfrak{H} 43'15 1°42'21			6585 Jan 22 23:09	0° \approx
evening rise	6584 Mar 07 04:00	26° \mathfrak{H} 46'29				
	6584 Mar 09 04:08	0° \mathfrak{Y}		superior conj	6585 Jan 29 23:31	11° \approx 09'05 -1°03'34
greatest brilliancy	6584 Mar 14 07:01	8° \mathfrak{Y} 13'33 -0.9m		minimum elong	6585 Jan 29 15:57	10° \approx 39'16 1°02'35
asc. node	6584 Mar 27 00:50	26° \mathfrak{Y} 43'57		max. Earth dist.	6585 Feb 01 14:07	15° \approx 15'14 1.45333 AU
evening max el	6584 Mar 28 07:00	28° \mathfrak{Y} 04'59 18°43'35			6585 Feb 11 00:53	0° \mathfrak{H}
	6584 Mar 30 11:00	0° \mathfrak{B}		evening rise	6585 Feb 15 04:44	6° \mathfrak{H} 28'01
retrograde	6584 Apr 03 22:21	1° \mathfrak{B} 45'28		greatest brilliancy	6585 Feb 27 16:01	25° \mathfrak{H} 40'27 -0.7m
evening set	6584 Apr 07 04:17	0° \mathfrak{B} 45'11			6585 Mar 02 13:57	0° \mathfrak{Y}
	6584 Apr 08 05:54	30° \mathbb{R} \mathfrak{Y}		evening max el	6585 Mar 11 14:34	11° \mathfrak{Y} 39'20 19°28'26
inferior conj	6584 Apr 12 19:50	25° \mathfrak{Y} 06'27 3°28'28		asc. node	6585 Mar 13 21:53	13° \mathfrak{Y} 44'19
minimum elong	6584 Apr 12 19:44	25° \mathfrak{Y} 06'46 3°28'26		retrograde	6585 Mar 18 19:24	15° \mathfrak{Y} 46'29
min. Earth dist.	6584 Apr 14 16:54	22° \mathfrak{Y} 48'12 0.65379 AU		evening set	6585 Mar 22 08:56	14° \mathfrak{Y} 32'10
morning rise	6584 Apr 18 10:36	18° \mathfrak{Y} 51'04		inferior conj	6585 Mar 27 19:33	8° \mathfrak{Y} 38'16 3°21'03
direct	6584 Apr 25 00:28	16° \mathfrak{Y} 02'34		minimum elong	6585 Mar 27 18:17	8° \mathfrak{Y} 42'26 3°20'54
desc. node	6584 May 01 14:30	18° \mathfrak{Y} 16'56		min. Earth dist.	6585 Mar 29 01:34	6° \mathfrak{Y} 59'49 0.66736 AU
morning max el	6584 May 08 07:07	23° \mathfrak{Y} 52'45 26°57'37		morning rise	6585 Apr 02 03:19	2° \mathfrak{Y} 21'58
	6584 May 13 18:32	0° \mathfrak{B}			6585 Apr 05 23:19	30° \mathbb{R} \mathfrak{H}
	6584 Jun 03 04:43	0° \mathbb{I}		direct	6585 Apr 08 07:07	29° \mathfrak{H} 37'39
morning set	6584 Jun 13 00:38	17° \mathbb{I} 44'49			6585 Apr 10 17:55	0° \mathfrak{Y}
max. Earth dist.	6584 Jun 17 09:41	26° \mathbb{I} 21'47 1.34010 AU		desc. node	6585 Apr 18 11:29	4° \mathfrak{Y} 54'25
	6584 Jun 19 04:34	0° \mathfrak{B}		morning max el	6585 Apr 20 16:57	7° \mathfrak{Y} 02'47 25°48'00
					6585 May 08 12:42	0° \mathfrak{B}
superior conj	6584 Jun 21 12:38	4° \mathfrak{B} 50'39 -0°15'04		morning set	6585 May 26 20:44	0° \mathbb{I} 24'36
minimum elong	6584 Jun 21 13:27	4° \mathfrak{B} 54'54 0°14'57			6585 May 26 15:22	0° \mathbb{I}
behind sun begin	6584 Jun 21 11:23	4° \mathfrak{B} 44'07		max. Earth dist.	6585 May 30 15:43	7° \mathbb{I} 30'37 1.35678 AU
behind sun end	6584 Jun 21 15:31	5° \mathfrak{B} 05'41				
asc. node	6584 Jun 23 00:03	7° \mathfrak{B} 56'38		superior conj	6585 Jun 05 06:08	18° \mathbb{I} 31'03 -0°45'37
evening rise	6584 Jun 28 21:47	20° \mathfrak{B} 26'08		minimum elong	6585 Jun 05 08:45	18° \mathbb{I} 44'14 0°45'10
	6584 Jul 03 14:37	0° \mathfrak{Q}		asc. node	6585 Jun 09 21:04	27° \mathbb{I} 57'29
evening max el	6584 Jul 18 22:16	23° \mathfrak{Q} 06'07 21°31'25			6585 Jun 10 20:51	0° \mathfrak{B}
desc. node	6584 Jul 28 13:43	28° \mathfrak{Q} 54'48		evening rise	6585 Jun 13 04:39	4° \mathfrak{B} 46'48
retrograde	6584 Jul 31 05:20	29° \mathfrak{Q} 11'36			6585 Jun 27 13:05	0° \mathfrak{Q}
evening set	6584 Aug 02 17:25	28° \mathfrak{Q} 57'17		evening max el	6585 Jul 01 03:09	4° \mathfrak{Q} 05'29 20°10'49
inferior conj	6584 Aug 12 00:26	24° \mathfrak{Q} 57'43 -4°01'31		retrograde	6585 Jul 11 18:48	9° \mathfrak{Q} 19'21
minimum elong	6584 Aug 11 15:14	25° \mathfrak{Q} 10'36 3°59'01		evening set	6585 Jul 13 16:51	9° \mathfrak{Q} 09'54
min. Earth dist.	6584 Aug 11 23:28	24° \mathfrak{Q} 59'04 0.54762 AU		desc. node	6585 Jul 15 10:44	8° \mathfrak{Q} 45'52
morning rise	6584 Aug 20 14:06	21° \mathfrak{Q} 05'52		inferior conj	6585 Jul 22 19:23	5° \mathfrak{Q} 11'30 -2°12'26
direct	6584 Aug 24 02:03	20° \mathfrak{Q} 39'20		minimum elong	6585 Jul 22 13:15	5° \mathfrak{Q} 20'35 2°10'13
morning max el	6584 Sep 05 12:32	26° \mathfrak{Q} 31'23 22°10'20		min. Earth dist.	6585 Jul 24 10:54	4° \mathfrak{Q} 12'57 0.55027 AU
	6584 Sep 08 20:25	0° \mathbb{P}		morning rise	6585 Jul 31 08:14	0° \mathfrak{Q} 57'48
asc. node	6584 Sep 18 23:22	14° \mathbb{P} 59'48		direct	6585 Aug 04 13:09	0° \mathfrak{Q} 19'24
morning set	6584 Sep 26 23:49	0° $\underline{\mathfrak{A}}$ 44'39		morning max el	6585 Aug 18 03:14	6° \mathfrak{Q} 58'13 23°54'39

	6585 Sep 03 15:04	0°♍			6586 Aug 10 03:47	0°♏		
asc. node	6585 Sep 05 20:23	4°♍10'00		asc. node	6586 Aug 23 17:25	23°♏43'19		
morning set	6585 Sep 11 11:25	15°♍36'02		morning set	6586 Aug 26 22:53	0°♍25'33		
					6586 Aug 26 18:04	0°♍		
superior conj	6585 Sep 18 10:08	0°♌37'35	1°37'52					
minimum elong	6585 Sep 18 08:47	0°♌30'15	1°37'48	superior conj	6586 Sep 02 20:35	15°♍29'16	1°27'43	
	6585 Sep 18 03:12	0°♌		minimum elong	6586 Sep 02 18:32	15°♍18'02	1°27'29	
max. Earth dist.	6585 Sep 20 16:30	5°♌30'06	1.33109 AU	max. Earth dist.	6586 Sep 03 22:54	17°♍53'52	1.32257 AU	
evening rise	6585 Sep 25 21:19	16°♌18'45		evening rise	6586 Sep 09 21:53	0°♌39'57		
	6585 Oct 03 01:14	0°♌			6586 Sep 09 14:12	0°♌		
desc. node	6585 Oct 11 09:53	14°♌04'52			6586 Sep 26 01:09	0°♌		
	6585 Oct 22 19:22	0°♌		desc. node	6586 Sep 28 06:56	3°♌23'46		
evening max el	6585 Oct 29 16:30	7°♌30'18	27°25'52	evening max el	6586 Oct 12 01:33	20°♌18'56	27°21'50	
retrograde	6585 Nov 12 07:19	14°♌48'42		retrograde	6586 Oct 25 20:57	27°♌32'24		
evening set	6585 Nov 19 08:21	12°♌12'59		evening set	6586 Nov 02 00:16	25°♌09'19		
min. Earth dist.	6585 Nov 23 02:20	8°♌53'13	0.63945 AU	min. Earth dist.	6586 Nov 05 15:55	22°♌16'54	0.62092 AU	
inferior conj	6585 Nov 25 14:48	6°♌16'44	-2°22'31	inferior conj	6586 Nov 08 14:43	19°♌33'56	-3°28'30	
minimum elong	6585 Nov 25 19:06	6°♌05'34	2°20'49	minimum elong	6586 Nov 08 20:52	19°♌19'45	3°26'27	
morning rise	6585 Dec 02 07:27	0°♌55'25		morning rise	6586 Nov 15 19:23	14°♌30'50		
asc. node	6585 Dec 02 19:43	0°♌44'17		direct	6586 Nov 18 02:35	14°♌07'38		
direct	6585 Dec 04 18:30	0°♌25'16		asc. node	6586 Nov 19 16:45	14°♌19'05		
morning max el	6585 Dec 11 06:59	3°♌49'34	17°51'04	morning max el	6586 Nov 24 23:17	17°♌36'52	17°50'50	
morning set	6585 Dec 28 00:38	29°♌18'33			6586 Dec 03 19:34	0°♌		
	6585 Dec 28 10:19	0°♌		morning set	6586 Dec 10 19:33	12°♌19'57		
desc. node	6586 Jan 07 09:06	16°♌44'08			6586 Dec 20 19:43	0°♌		
superior conj	6586 Jan 09 20:45	20°♌48'10	-0°17'38	superior conj	6586 Dec 21 19:38	1°♌42'18	0°24'39	
minimum elong	6586 Jan 09 18:46	20°♌40'05	0°17'17	minimum elong	6586 Dec 21 21:51	1°♌51'43	0°24'22	
max. Earth dist.	6586 Jan 15 08:38	29°♌37'58	1.44628 AU	desc. node	6586 Dec 25 06:07	7°♌30'04		
	6586 Jan 15 14:11	0°♌		max. Earth dist.	6586 Dec 29 00:16	13°♌41'09	1.43280 AU	
evening rise	6586 Jan 25 16:23	15°♌44'09		evening rise	6587 Jan 05 06:17	25°♌13'46		
	6586 Feb 04 02:03	0°♌			6587 Jan 08 08:18	0°♌		
evening max el	6586 Feb 22 17:01	25°♌15'21	20°28'14		6587 Jan 29 02:26	0°♌		
asc. node	6586 Feb 28 18:56	29°♌37'36		evening max el	6587 Feb 05 14:04	8°♌52'49	21°39'38	
retrograde	6586 Mar 02 17:45	29°♌57'32		retrograde	6587 Feb 14 15:24	14°♌14'57		
evening set	6586 Mar 06 16:06	28°♌28'29		asc. node	6587 Feb 15 15:59	14°♌09'26		
inferior conj	6586 Mar 12 00:18	22°♌21'30	3°01'52	evening set	6587 Feb 19 00:02	12°♌30'34		
minimum elong	6586 Mar 11 22:17	22°♌28'25	3°01'28	inferior conj	6587 Feb 24 07:52	6°♌13'08	2°32'52	
min. Earth dist.	6586 Mar 12 16:24	21°♌26'29	0.67660 AU	minimum elong	6587 Feb 24 05:32	6°♌21'14	2°32'15	
morning rise	6586 Mar 17 04:15	16°♌06'40		min. Earth dist.	6587 Feb 24 11:17	6°♌01'16	0.68157 AU	
direct	6586 Mar 22 19:07	13°♌36'14		morning rise	6587 Mar 01 10:52	0°♌01'15		
morning max el	6586 Apr 03 01:39	20°♌20'58	24°23'20		6587 Mar 01 11:26	30°♌		
desc. node	6586 Apr 05 08:29	22°♌46'39		direct	6587 Mar 06 11:27	27°♌50'56		
	6586 Apr 11 08:02	0°♌			6587 Mar 12 02:55	0°♌		
	6586 May 01 17:18	0°♌		morning max el	6587 Mar 16 11:20	3°♌45'47	22°53'45	
morning set	6586 May 08 21:40	12°♌06'28		desc. node	6587 Mar 23 05:30	11°♌32'43		
max. Earth dist.	6586 May 12 13:05	18°♌34'29	1.37725 AU		6587 Apr 05 12:05	0°♌		
	6586 May 18 16:28	0°♌		morning set	6587 Apr 19 21:37	22°♌35'33		
					6587 Apr 24 07:04	0°♌		
superior conj	6586 May 19 12:20	1°♌35'17	-1°16'02	max. Earth dist.	6587 Apr 24 09:10	0°♌09'04	1.39946 AU	
minimum elong	6586 May 19 16:44	1°♌56'28	1°15'23					
asc. node	6586 May 27 18:07	17°♌49'00		superior conj	6587 May 02 03:07	13°♌53'11	-1°43'23	
evening rise	6586 May 28 05:35	18°♌45'51		minimum elong	6587 May 02 08:30	14°♌17'49	1°42'50	
	6586 Jun 03 01:33	0°♌			6587 May 10 17:07	0°♌		
evening max el	6586 Jun 13 20:45	15°♌48'21	19°09'45	evening rise	6587 May 11 21:30	2°♌15'18		
retrograde	6586 Jun 22 19:43	20°♌12'21		asc. node	6587 May 14 15:10	7°♌26'36		
evening set	6586 Jun 24 18:32	20°♌00'43		evening max el	6587 May 28 00:21	28°♌10'13	18°29'17	
desc. node	6586 Jul 02 07:46	16°♌24'08			6587 May 30 04:03	0°♌		
inferior conj	6586 Jul 03 04:27	15°♌49'28	-0°15'32	retrograde	6587 Jun 04 15:37	1°♌57'44		
minimum elong	6586 Jul 03 03:47	15°♌50'36	0°15'20	evening set	6587 Jun 06 20:47	1°♌39'33		
transit middle	6586 Jul 03 03:47	15°♌50'36	0°15'20		6587 Jun 10 12:11	30°♌		
transit begin	6586 Jul 03 02:39	15°♌52'29		inferior conj	6587 Jun 14 10:39	27°♌08'38	1°21'25	
transit end	6586 Jul 03 04:54	15°♌48'42		minimum elong	6587 Jun 14 13:19	27°♌03'21	1°20'28	
min. Earth dist.	6586 Jul 06 01:09	13°♌54'03	0.56207 AU	min. Earth dist.	6587 Jun 17 19:51	24°♌29'02	0.58058 AU	
morning rise	6586 Jul 11 09:57	11°♌01'07		desc. node	6587 Jun 19 04:49	23°♌29'34		
direct	6586 Jul 16 11:58	10°♌01'12		morning rise	6587 Jun 22 02:32	21°♌45'04		
morning max el	6586 Jul 30 16:28	17°♌16'14	25°35'14	direct	6587 Jun 28 00:48	20°♌14'53		

morning max el	6587 Jul 12 10:08	27° Π 54'37	26°55'39	morning max el	6588 Jun 23 10:34	9° Π 12'24	27°43'21
	6587 Jul 14 11:06	0° \mathfrak{C}			6588 Jul 09 09:52	0° \mathfrak{C}	
	6587 Aug 03 18:00	0° Ω		morning set	6588 Jul 25 14:38	29° \mathfrak{C} 36'59	
asc. node	6587 Aug 10 14:26	13° Ω 32'34			6588 Jul 25 19:04	0° Ω	
morning set	6587 Aug 11 08:32	15° Ω 07'34		asc. node	6588 Jul 27 11:28	3° Ω 32'35	
				max. Earth dist.	6588 Jul 31 19:50	12° Ω 58'14	1.31865 AU
superior conj	6587 Aug 18 08:21	0° \mathfrak{M} 21'50	1°12'33	superior conj	6588 Aug 01 19:44	15° Ω 09'54	0°52'50
minimum elong	6587 Aug 18 06:05	0° \mathfrak{M} 09'13	1°12'10	minimum elong	6588 Aug 01 17:41	14° Ω 58'39	0°52'24
	6587 Aug 18 04:25	0° \mathfrak{M}		evening rise	6588 Aug 08 14:21	29° Ω 59'46	
max. Earth dist.	6587 Aug 18 09:17	0° \mathfrak{M} 26'55	1.31843 AU		6588 Aug 08 14:24	0° \mathfrak{M}	
evening rise	6587 Aug 25 04:18	15° \mathfrak{M} 15'49			6588 Aug 24 22:36	0° \mathfrak{L}	
	6587 Sep 01 13:18	0° \mathfrak{L}		desc. node	6588 Sep 01 01:02	9° \mathfrak{L} 25'30	
desc. node	6587 Sep 15 03:59	21° \mathfrak{L} 56'48		evening max el	6588 Sep 04 23:49	13° \mathfrak{L} 35'59	25°34'42
	6587 Sep 21 19:46	0° \mathfrak{M}		retrograde	6588 Sep 18 22:15	20° \mathfrak{L} 40'06	
evening max el	6587 Sep 24 04:39	2° \mathfrak{M} 22'50	26°44'08	evening set	6588 Sep 24 23:19	19° \mathfrak{L} 14'51	
retrograde	6587 Oct 08 02:23	9° \mathfrak{M} 31'16		min. Earth dist.	6588 Sep 29 11:50	16° \mathfrak{L} 37'29	0.57995 AU
evening set	6587 Oct 14 22:54	7° \mathfrak{M} 32'05		inferior conj	6588 Oct 02 14:06	14° \mathfrak{L} 27'40	-5°13'06
min. Earth dist.	6587 Oct 18 18:31	4° \mathfrak{M} 55'55	0.60047 AU	minimum elong	6588 Oct 02 18:31	14° \mathfrak{L} 19'54	5°12'34
inferior conj	6587 Oct 21 23:38	2° \mathfrak{M} 20'46	-4°28'56	morning rise	6588 Oct 10 16:03	10° \mathfrak{L} 09'30	
minimum elong	6587 Oct 22 06:21	2° \mathfrak{M} 07'13	4°27'18	direct	6588 Oct 13 02:11	9° \mathfrak{L} 51'20	
	6587 Oct 25 01:12	30° \mathfrak{R} \mathfrak{L}		morning max el	6588 Oct 21 16:16	13° \mathfrak{L} 57'29	18°49'32
morning rise	6587 Oct 29 15:57	27° \mathfrak{L} 39'22		asc. node	6588 Oct 23 10:48	15° \mathfrak{L} 48'55	
direct	6587 Oct 31 22:41	27° \mathfrak{L} 19'59			6588 Nov 01 17:19	0° \mathfrak{M}	
asc. node	6587 Nov 06 13:47	29° \mathfrak{L} 24'46		morning set	6588 Nov 07 02:31	10° \mathfrak{M} 16'53	
	6587 Nov 07 07:45	0° \mathfrak{M}					
morning max el	6587 Nov 08 11:34	1° \mathfrak{M} 02'45	18°09'48	superior conj	6588 Nov 15 15:04	26° \mathfrak{M} 51'17	1°21'43
morning set	6587 Nov 24 05:45	26° \mathfrak{M} 03'56		minimum elong	6588 Nov 15 18:18	27° \mathfrak{M} 06'36	1°21'25
	6587 Nov 26 07:56	0° \mathfrak{L}			6588 Nov 17 07:08	0° \mathfrak{L}	
superior conj	6587 Dec 03 19:22	13° \mathfrak{L} 48'04	0°58'09	max. Earth dist.	6588 Nov 22 17:05	9° \mathfrak{L} 51'29	1.39333 AU
minimum elong	6587 Dec 03 23:02	14° \mathfrak{L} 04'33	0°57'42	evening rise	6588 Nov 26 15:32	16° \mathfrak{L} 41'26	
max. Earth dist.	6587 Dec 11 11:04	27° \mathfrak{L} 08'41	1.41440 AU	desc. node	6588 Nov 28 00:11	18° \mathfrak{L} 59'21	
desc. node	6587 Dec 12 03:09	28° \mathfrak{L} 16'19			6588 Dec 04 18:59	0° \mathfrak{Z}	
	6587 Dec 13 03:59	0° \mathfrak{Z}			6588 Dec 26 04:09	0° \approx	
evening rise	6587 Dec 16 11:53	5° \mathfrak{Z} 27'50		evening max el	6588 Dec 31 20:03	6° \approx 14'43	24°17'50
	6588 Jan 01 14:05	0° \approx		retrograde	6589 Jan 12 02:54	12° \approx 51'56	
evening max el	6588 Jan 19 06:29	22° \approx 32'10	22°58'06	evening set	6589 Jan 17 11:46	10° \approx 37'38	
retrograde	6588 Jan 29 10:53	28° \approx 34'33		asc. node	6589 Jan 19 10:05	8° \approx 42'42	
asc. node	6588 Feb 02 13:02	27° \approx 09'43		min. Earth dist.	6589 Jan 22 04:07	5° \approx 15'33	0.67947 AU
evening set	6588 Feb 03 07:07	26° \approx 34'47		inferior conj	6589 Jan 22 23:35	4° \approx 10'04	1°10'00
inferior conj	6588 Feb 08 16:14	20° \approx 10'11	1°55'18	minimum elong	6589 Jan 22 22:02	4° \approx 15'18	1°09'26
minimum elong	6588 Feb 08 14:03	20° \approx 17'43	1°54'35		6589 Jan 26 07:37	30° \mathfrak{R} \mathfrak{Z}	
min. Earth dist.	6588 Feb 08 07:56	20° \approx 38'55	0.68244 AU	morning rise	6589 Jan 28 08:24	28° \mathfrak{Z} 08'16	
morning rise	6588 Feb 13 20:56	14° \approx 02'37		direct	6589 Feb 01 05:12	26° \mathfrak{Z} 42'56	
direct	6588 Feb 18 07:11	12° \approx 14'58			6589 Feb 07 18:59	0° \approx	
morning max el	6588 Feb 27 01:32	17° \approx 20'12	21°28'12	morning max el	6589 Feb 08 22:57	1° \approx 06'15	20°13'04
	6588 Mar 08 09:47	0° \mathfrak{H}		desc. node	6589 Feb 23 23:30	20° \approx 50'25	
desc. node	6588 Mar 09 02:30	0° \mathfrak{H} 57'32			6589 Mar 02 02:37	0° \mathfrak{H}	
	6588 Mar 28 14:31	0° \mathfrak{Y}		morning set	6589 Mar 08 16:32	10° \mathfrak{H} 03'46	
morning set	6588 Mar 29 17:28	1° \mathfrak{Y} 46'22		max. Earth dist.	6589 Mar 18 18:10	25° \mathfrak{H} 53'16	1.43800 AU
max. Earth dist.	6588 Apr 05 10:13	12° \mathfrak{Y} 35'41	1.42058 AU		6589 Mar 21 07:26	0° \mathfrak{Y}	
superior conj	6588 Apr 12 21:37	25° \mathfrak{Y} 13'27	-2°03'24	superior conj	6589 Mar 24 15:36	5° \mathfrak{Y} 27'12	-2°10'25
minimum elong	6588 Apr 13 01:48	25° \mathfrak{Y} 31'38	2°03'12	minimum elong	6589 Mar 24 15:04	5° \mathfrak{Y} 25'04	2°10'25
	6588 Apr 15 15:13	0° \mathfrak{B}		evening rise	6589 Apr 06 10:13	27° \mathfrak{Y} 06'36	
evening rise	6588 Apr 24 00:34	15° \mathfrak{B} 05'50			6589 Apr 08 02:11	0° \mathfrak{B}	
asc. node	6588 Apr 30 12:13	26° \mathfrak{B} 44'56		asc. node	6589 Apr 17 09:16	15° \mathfrak{B} 36'37	
	6588 May 02 10:02	0° \mathfrak{H}		evening max el	6589 Apr 23 23:07	24° \mathfrak{B} 14'19	18°07'55
evening max el	6588 May 10 10:20	11° \mathfrak{H} 02'14	18°08'56	retrograde	6589 Apr 30 09:29	27° \mathfrak{B} 35'52	
retrograde	6588 May 17 05:40	14° \mathfrak{H} 29'14		evening set	6589 May 03 04:41	26° \mathfrak{B} 56'23	
evening set	6588 May 19 18:00	14° \mathfrak{H} 01'27		inferior conj	6589 May 09 10:32	21° \mathfrak{B} 45'43	3°08'34
inferior conj	6588 May 26 13:53	9° \mathfrak{H} 10'08	2°28'44	minimum elong	6589 May 09 12:45	21° \mathfrak{B} 39'53	3°08'11
minimum elong	6588 May 26 17:07	9° \mathfrak{H} 02'41	2°27'53	min. Earth dist.	6589 May 12 07:25	18° \mathfrak{B} 45'34	0.62438 AU
min. Earth dist.	6588 May 29 21:23	6° \mathfrak{H} 08'04	0.60239 AU	morning rise	6589 May 15 19:10	15° \mathfrak{B} 40'07	
morning rise	6588 Jun 02 13:39	3° \mathfrak{H} 20'10		direct	6589 May 22 14:25	13° \mathfrak{B} 09'38	
desc. node	6588 Jun 05 01:50	2° \mathfrak{H} 03'41		desc. node	6589 May 22 22:51	13° \mathfrak{B} 10'01	
direct	6588 Jun 09 02:25	1° \mathfrak{H} 16'56		morning max el	6589 Jun 05 16:34	21° \mathfrak{B} 11'42	27°53'12

	6589 Jun 13 07:46	0°♂		desc. node	6590 May 09 19:52	26°♂48'50	
	6589 Jul 02 11:44	0°♂			6590 May 14 21:56	0°♂	
morning set	6589 Jul 09 15:04	13°♂46'30		morning max el	6590 May 19 01:52	3°♂46'44	27°26'45
asc. node	6589 Jul 14 08:30	23°♂37'55			6590 Jun 07 19:11	0°♂	
max. Earth dist.	6589 Jul 15 02:30	25°♂14'23	1.32328 AU	morning set	6590 Jun 23 07:16	27°♂28'39	
					6590 Jun 24 13:52	0°♂	
superior conj	6589 Jul 17 04:51	29°♂46'56	0°29'03	max. Earth dist.	6590 Jun 28 01:31	7°♂05'19	1.33260 AU
minimum elong	6589 Jul 17 03:32	29°♂39'49	0°28'43				
	6589 Jul 17 07:14	0°♂		superior conj	6590 Jul 01 09:46	14°♂07'05	0°01'50
evening rise	6589 Jul 24 01:58	14°♂44'41		minimum elong	6590 Jul 01 09:41	14°♂06'37	0°01'46
	6589 Jul 31 15:52	0°♂		behind sun begin	6590 Jul 01 04:15	13°♂37'43	
evening max el	6589 Aug 17 12:43	24°♂07'37	24°03'09	behind sun end	6590 Jul 01 15:07	14°♂35'33	
desc. node	6589 Aug 18 22:04	25°♂24'27		asc. node	6590 Jul 01 05:31	13°♂44'28	
	6589 Aug 26 01:39	0°♂		evening rise	6590 Jul 08 13:18	29°♂24'55	
retrograde	6589 Aug 31 06:32	1°♂01'43			6590 Jul 08 19:56	0°♂	
evening set	6589 Sep 04 23:12	0°♂13'07			6590 Jul 26 02:28	0°♂	
	6589 Sep 05 13:57	30°♂♂		evening max el	6590 Jul 30 01:56	4°♂25'14	22°24'53
min. Earth dist.	6589 Sep 10 23:23	27°♂15'45	0.56218 AU	desc. node	6590 Aug 05 19:06	9°♂21'41	
inferior conj	6589 Sep 13 08:19	25°♂48'14	-5°24'50	retrograde	6590 Aug 12 02:07	10°♂53'27	
minimum elong	6589 Sep 13 06:46	25°♂50'38	5°24'47	evening set	6590 Aug 15 06:36	10°♂31'06	
morning rise	6589 Sep 21 16:40	21°♂50'00		min. Earth dist.	6590 Aug 23 08:41	6°♂59'25	0.55052 AU
direct	6589 Sep 24 10:21	21°♂30'37		inferior conj	6590 Aug 24 08:53	6°♂25'13	-4°47'23
morning max el	6589 Oct 04 10:08	26°♂11'17	19°51'17	minimum elong	6590 Aug 24 00:58	6°♂36'26	4°45'52
	6589 Oct 07 21:38	0°♂		morning rise	6590 Sep 01 21:08	2°♂36'13	
asc. node	6589 Oct 10 07:49	3°♂16'19		direct	6590 Sep 05 01:51	2°♂13'04	
morning set	6589 Oct 22 06:26	24°♂49'19		morning max el	6590 Sep 16 15:22	7°♂37'34	21°14'28
	6589 Oct 24 19:30	0°♂		asc. node	6590 Sep 27 04:50	21°♂32'45	
					6590 Oct 01 20:51	0°♂	
superior conj	6589 Oct 30 01:32	10°♂37'04	1°35'58	morning set	6590 Oct 06 14:54	9°♂33'47	
minimum elong	6589 Oct 30 03:29	10°♂46'47	1°35'53				
max. Earth dist.	6589 Nov 04 22:22	21°♂58'29	1.37221 AU	superior conj	6590 Oct 13 22:30	24°♂52'50	1°42'05
evening rise	6589 Nov 08 16:52	28°♂53'40		minimum elong	6590 Oct 13 23:00	24°♂55'25	1°42'07
	6589 Nov 09 07:43	0°♂			6590 Oct 16 10:25	0°♂	
desc. node	6589 Nov 14 21:13	9°♂35'13		max. Earth dist.	6590 Oct 18 08:39	3°♂52'01	1.35331 AU
	6589 Nov 28 02:47	0°♂		evening rise	6590 Oct 22 12:21	11°♂55'02	
evening max el	6589 Dec 14 08:55	20°♂00'37	25°32'02	desc. node	6590 Nov 01 18:14	29°♂58'43	
retrograde	6589 Dec 26 14:28	27°♂02'18			6590 Nov 01 18:32	0°♂	
evening set	6590 Jan 01 12:25	24°♂35'34			6590 Nov 23 07:36	0°♂	
min. Earth dist.	6590 Jan 05 21:33	19°♂47'54	0.67281 AU	evening max el	6590 Nov 26 22:00	3°♂43'59	26°33'14
asc. node	6590 Jan 06 07:05	19°♂17'29		retrograde	6590 Dec 09 20:35	10°♂58'37	
inferior conj	6590 Jan 07 04:08	18°♂09'53	0°17'41	evening set	6590 Dec 16 07:11	8°♂23'11	
minimum elong	6590 Jan 07 03:41	18°♂11'20	0°17'32	min. Earth dist.	6590 Dec 20 09:50	4°♂10'31	0.66261 AU
morning rise	6590 Jan 12 19:19	12°♂15'55		inferior conj	6590 Dec 22 03:50	2°♂04'47	-0°40'55
direct	6590 Jan 16 04:12	11°♂10'33		minimum elong	6590 Dec 22 04:58	2°♂01'23	0°40'23
morning max el	6590 Jan 23 04:15	15°♂03'14	19°12'15		6590 Dec 23 22:36	30°♂♂	
	6590 Feb 03 13:36	0°♂		asc. node	6590 Dec 24 04:07	29°♂44'42	
greatest brilliancy	6590 Feb 05 15:20	3°♂06'15	-0.7m	morning rise	6590 Dec 28 03:32	26°♂21'11	
desc. node	6590 Feb 10 20:30	11°♂04'03		direct	6590 Dec 31 02:18	25°♂32'27	
morning set	6590 Feb 15 17:25	18°♂35'39		morning max el	6591 Jan 06 16:04	29°♂05'56	18°27'26
	6590 Feb 23 01:30	0°♂			6591 Jan 07 12:56	0°♂	
max. Earth dist.	6590 Mar 01 08:43	9°♂52'28	1.44966 AU	morning set	6591 Jan 26 17:49	28°♂22'13	
					6591 Jan 27 18:23	0°♂	
superior conj	6590 Mar 04 09:36	14°♂40'23	-1°58'57	desc. node	6591 Jan 28 17:29	1°♂31'55	
minimum elong	6590 Mar 04 02:28	14°♂12'08	1°58'31				
	6590 Mar 13 22:31	0°♂		superior conj	6591 Feb 11 13:50	23°♂22'23	-1°27'53
evening rise	6590 Mar 18 22:17	8°♂11'06		minimum elong	6591 Feb 11 04:24	22°♂45'25	1°26'52
	6590 Apr 01 11:14	0°♂		max. Earth dist.	6591 Feb 12 03:34	24°♂16'13	1.45422 AU
asc. node	6590 Apr 04 06:18	3°♂53'47			6591 Feb 15 19:21	0°♂	
evening max el	6590 Apr 07 11:49	7°♂39'40	18°25'27	evening rise	6591 Feb 27 10:58	18°♂19'15	
retrograde	6590 Apr 13 22:46	11°♂09'20			6591 Mar 06 20:27	0°♂	
evening set	6590 Apr 17 00:45	10°♂16'49		greatest brilliancy	6591 Mar 09 03:05	3°♂33'43	-0.8m
inferior conj	6590 Apr 22 20:31	4°♂48'03	3°26'16	evening max el	6591 Mar 21 21:50	21°♂11'53	19°00'42
minimum elong	6590 Apr 22 21:14	4°♂45'56	3°26'11	asc. node	6591 Mar 22 03:20	21°♂25'40	
min. Earth dist.	6590 Apr 25 02:38	2°♂10'23	0.64416 AU	retrograde	6591 Mar 28 17:52	25°♂02'01	
	6590 Apr 27 03:25	30°♂♂		evening set	6591 Apr 01 03:01	23°♂55'41	
morning rise	6590 Apr 28 16:52	28°♂34'55		inferior conj	6591 Apr 06 16:07	18°♂10'19	3°26'53
direct	6590 May 05 10:42	25°♂49'04		minimum elong	6591 Apr 06 15:29	18°♂12'21	3°26'50

min. Earth dist.	6591 Apr 08 06:39	16° Υ 08'27	0.66016 AU		6592 Mar 22 02:22	30° \mathbb{R} \mathbb{H}	
morning rise	6591 Apr 12 03:32	11° Υ 54'27		morning rise	6592 Mar 26 00:04	25° \mathbb{H} 31'18	
direct	6591 Apr 18 13:42	9° Υ 06'27		direct	6592 Mar 31 22:31	22° \mathbb{H} 52'15	
desc. node	6591 Apr 26 16:52	12° Υ 30'19		desc. node	6592 Apr 12 13:52	29° \mathbb{H} 42'24	
morning max el	6591 May 01 12:01	16° Υ 46'59	26°30'28		6592 Apr 12 20:53	0° Υ	
	6591 May 12 11:24	0° \mathbb{B}		morning max el	6592 Apr 12 21:27	0° Υ 01'26	25°13'14
	6591 May 31 16:33	0° \mathbb{H}			6592 May 05 08:53	0° \mathbb{B}	
morning set	6591 Jun 06 11:55	10° \mathbb{H} 34'19		morning set	6592 May 19 00:33	22° \mathbb{B} 50'56	
max. Earth dist.	6591 Jun 10 14:10	18° \mathbb{H} 28'10	1.34668 AU	max. Earth dist.	6592 May 22 16:20	29° \mathbb{B} 32'51	1.36514 AU
					6592 May 22 22:09	0° \mathbb{H}	
superior conj	6591 Jun 15 08:15	28° \mathbb{H} 04'09	-0°27'55				
minimum elong	6591 Jun 15 09:48	28° \mathbb{H} 12'08	0°27'38	superior conj	6592 May 28 21:22	11° \mathbb{H} 29'49	-0°58'41
	6591 Jun 16 06:40	0° \mathbb{B}		minimum elong	6592 May 29 00:47	11° \mathbb{H} 46'42	0°58'07
asc. node	6591 Jun 18 02:33	3° \mathbb{B} 48'37		asc. node	6592 Jun 03 23:36	23° \mathbb{H} 45'48	
evening rise	6591 Jun 22 22:27	13° \mathbb{B} 54'49		evening rise	6592 Jun 06 03:10	28° \mathbb{H} 07'13	
	6591 Jul 01 04:31	0° \mathbb{Q}			6592 Jun 07 01:33	0° \mathbb{B}	
evening max el	6591 Jul 11 23:37	15° \mathbb{Q} 02'22	20°54'56	evening max el	6592 Jun 23 09:57	26° \mathbb{B} 19'12	19°42'16
retrograde	6591 Jul 23 14:31	20° \mathbb{Q} 46'32			6592 Jun 28 09:34	0° \mathbb{Q}	
desc. node	6591 Jul 23 16:08	20° \mathbb{Q} 46'31		retrograde	6592 Jul 03 07:49	1° \mathbb{Q} 11'23	
evening set	6591 Jul 25 18:37	20° \mathbb{Q} 35'18		evening set	6592 Jul 05 04:54	1° \mathbb{Q} 01'38	
inferior conj	6591 Aug 04 01:40	16° \mathbb{Q} 38'09	-3°18'29		6592 Jul 08 13:47	30° \mathbb{R} \mathbb{B}	
minimum elong	6591 Aug 03 17:05	16° \mathbb{Q} 50'18	3°15'45	desc. node	6592 Jul 09 13:10	29° \mathbb{B} 33'21	
min. Earth dist.	6591 Aug 04 18:32	16° \mathbb{Q} 14'17	0.54756 AU	inferior conj	6592 Jul 14 01:14	26° \mathbb{B} 58'41	-1°21'43
morning rise	6591 Aug 12 15:41	12° \mathbb{Q} 39'46		minimum elong	6592 Jul 13 21:29	27° \mathbb{B} 04'32	1°20'21
direct	6591 Aug 16 10:26	12° \mathbb{Q} 09'08		min. Earth dist.	6592 Jul 16 06:52	25° \mathbb{B} 35'17	0.55423 AU
morning max el	6591 Aug 29 09:50	18° \mathbb{Q} 21'09	22°54'12	morning rise	6592 Jul 22 11:52	22° \mathbb{B} 31'08	
	6591 Sep 07 21:15	0° \mathbb{P}		direct	6592 Jul 27 01:10	21° \mathbb{B} 45'11	
asc. node	6591 Sep 14 01:52	10° \mathbb{P} 26'23		morning max el	6592 Aug 09 23:13	28° \mathbb{B} 40'39	24°39'03
morning set	6591 Sep 21 01:55	24° \mathbb{P} 24'45			6592 Aug 11 07:27	0° \mathbb{Q}	
	6591 Sep 23 16:50	0° \mathbb{B}		asc. node	6592 Aug 30 22:54	29° \mathbb{Q} 46'59	
					6592 Aug 31 01:32	0° \mathbb{P}	
superior conj	6591 Sep 28 02:44	9° \mathbb{B} 29'08	1°41'11	morning set	6592 Sep 04 13:40	9° \mathbb{P} 15'48	
minimum elong	6591 Sep 28 01:58	9° \mathbb{B} 25'01	1°41'11				
max. Earth dist.	6591 Oct 01 03:11	15° \mathbb{B} 52'09	1.33799 AU	superior conj	6592 Sep 11 11:31	24° \mathbb{P} 16'48	1°34'14
evening rise	6591 Oct 05 21:57	25° \mathbb{B} 35'12		minimum elong	6592 Sep 11 09:50	24° \mathbb{P} 07'33	1°34'04
	6591 Oct 08 04:31	0° \mathbb{M}		max. Earth dist.	6592 Sep 13 05:44	28° \mathbb{P} 06'17	1.32689 AU
desc. node	6591 Oct 19 15:17	20° \mathbb{M} 04'08			6592 Sep 14 02:49	0° \mathbb{B}	
	6591 Oct 26 04:47	0° \mathbb{P}		evening rise	6592 Sep 18 17:54	9° \mathbb{B} 43'14	
evening max el	6591 Nov 09 10:48	17° \mathbb{P} 15'30	27°14'04		6592 Sep 29 12:45	0° \mathbb{M}	
retrograde	6591 Nov 22 20:47	24° \mathbb{P} 34'04		desc. node	6592 Oct 05 12:20	9° \mathbb{M} 42'39	
evening set	6591 Nov 29 17:54	21° \mathbb{P} 55'52			6592 Oct 21 12:20	0° \mathbb{P}	
min. Earth dist.	6591 Dec 03 14:39	18° \mathbb{P} 17'47	0.64894 AU	evening max el	6592 Oct 21 21:40	0° \mathbb{P} 22'18	27°28'00
inferior conj	6591 Dec 05 20:29	15° \mathbb{P} 50'11	-1°44'28	retrograde	6592 Nov 04 14:38	7° \mathbb{P} 39'11	
minimum elong	6591 Dec 05 23:35	15° \mathbb{P} 41'40	1°43'09	evening set	6592 Nov 11 17:42	5° \mathbb{P} 07'06	
asc. node	6591 Dec 11 01:09	11° \mathbb{P} 00'24		min. Earth dist.	6592 Nov 15 10:04	2° \mathbb{P} 00'18	0.63192 AU
morning rise	6591 Dec 12 06:34	10° \mathbb{P} 19'57			6592 Nov 17 11:00	30° \mathbb{R} \mathbb{M}	
direct	6591 Dec 14 21:16	9° \mathbb{P} 44'04		inferior conj	6592 Nov 18 03:22	29° \mathbb{M} 19'17	-2°50'44
morning max el	6591 Dec 21 08:03	13° \mathbb{P} 08'45	17°59'21	minimum elong	6592 Nov 18 08:32	29° \mathbb{M} 06'32	2°48'47
	6592 Jan 02 04:41	0° \mathbb{B}		morning rise	6592 Nov 25 01:08	24° \mathbb{M} 05'38	
morning set	6592 Jan 07 23:51	9° \mathbb{B} 37'01		asc. node	6592 Nov 26 22:11	23° \mathbb{M} 40'06	
desc. node	6592 Jan 15 14:30	22° \mathbb{B} 09'43		direct	6592 Nov 27 10:10	23° \mathbb{M} 38'54	
	6592 Jan 20 10:59	0° \mathbb{B}		morning max el	6592 Dec 04 01:13	27° \mathbb{M} 04'03	17°48'45
					6592 Dec 06 15:14	0° \mathbb{P}	
superior conj	6592 Jan 21 23:49	2° \mathbb{B} 27'04	-0°44'09	morning set	6592 Dec 20 07:13	22° \mathbb{P} 05'00	
minimum elong	6592 Jan 21 18:32	2° \mathbb{B} 06'00	0°43'23		6592 Dec 24 20:33	0° \mathbb{B}	
max. Earth dist.	6592 Jan 25 23:21	8° \mathbb{B} 45'20	1.45127 AU				
evening rise	6592 Feb 07 04:36	27° \mathbb{B} 45'56		superior conj	6593 Jan 01 07:38	12° \mathbb{B} 37'32	0°01'11
	6592 Feb 08 15:26	0° \mathbb{H}		minimum elong	6593 Jan 01 07:45	12° \mathbb{B} 38'04	0°01'13
greatest brilliancy	6592 Feb 21 07:40	19° \mathbb{H} 13'20	-0.6m	behind sun begin	6592 Dec 31 22:24	11° \mathbb{B} 59'13	
	6592 Feb 29 00:45	0° Υ		behind sun end	6593 Jan 01 17:07	13° \mathbb{B} 16'49	
evening max el	6592 Mar 04 03:19	4° Υ 46'41	19°52'11	desc. node	6593 Jan 01 11:32	12° \mathbb{B} 53'44	
asc. node	6592 Mar 08 00:23	7° Υ 59'08		max. Earth dist.	6593 Jan 07 16:54	23° \mathbb{B} 01'39	1.44124 AU
retrograde	6592 Mar 11 15:48	9° Υ 07'50			6593 Jan 12 02:29	0° \mathbb{B}	
evening set	6592 Mar 15 09:00	7° Υ 47'07		evening rise	6593 Jan 16 15:16	7° \mathbb{B} 02'54	
inferior conj	6592 Mar 20 18:18	1° Υ 47'06	3°14'11		6593 Jan 31 23:12	0° \mathbb{H}	
minimum elong	6592 Mar 20 16:39	1° Υ 52'36	3°13'57	evening max el	6593 Feb 15 03:20	18° \mathbb{H} 22'51	20°57'23
min. Earth dist.	6592 Mar 21 18:08	0° Υ 27'19	0.67184 AU	asc. node	6593 Feb 22 21:25	23° \mathbb{H} 19'37	

retrograde	6593 Feb 23 14:14	23° H 22'12		6594 Feb 16 23:45	30° R \approx	
evening set	6593 Feb 27 16:44	21° H 46'40		inferior conj	6594 Feb 17 08:40	29° \approx 29'02 2°17'55
inferior conj	6593 Mar 05 00:31	15° H 34'37 2°50'40		minimum elong	6594 Feb 17 06:21	29° \approx 37'07 2°17'15
minimum elong	6593 Mar 04 22:19	15° H 42'14 2°50'11		min. Earth dist.	6594 Feb 17 07:04	29° \approx 34'36 0.68239 AU
min. Earth dist.	6593 Mar 05 11:03	14° H 58'15 0.67918 AU		morning rise	6594 Feb 22 12:03	23° \approx 18'32
morning rise	6593 Mar 10 03:43	9° H 20'40		direct	6594 Feb 27 06:28	21° \approx 17'35
direct	6593 Mar 15 12:27	6° H 58'26		morning max el	6594 Mar 08 17:29	26° \approx 51'16 22°16'19
morning max el	6593 Mar 26 06:25	13° H 23'14 23°45'15			6594 Mar 11 15:23	0° H
desc. node	6593 Mar 30 10:53	17° H 59'50		desc. node	6594 Mar 17 07:53	7° H 03'49
	6593 Apr 08 16:32	0° Y			6594 Apr 02 06:34	0° Y
	6593 Apr 28 05:46	0° B		morning set	6594 Apr 11 03:34	13° Y 59'03
morning set	6593 Apr 30 15:37	4° B 04'03		max. Earth dist.	6594 Apr 16 09:10	22° Y 38'19 1.40874 AU
max. Earth dist.	6593 May 04 12:12	10° B 45'50 1.38660 AU			6594 Apr 20 16:21	0° B
superior conj	6593 May 11 21:34	24° B 15'33 -1°28'14		superior conj	6594 Apr 24 04:17	6° B 09'58 -1°53'06
minimum elong	6593 May 12 02:33	24° B 39'03 1°27'35		minimum elong	6594 Apr 24 09:31	6° B 33'23 1°52'40
	6593 May 14 21:52	0° II		evening rise	6594 May 04 11:37	25° B 08'17
evening rise	6593 May 21 00:43	11° II 54'53			6594 May 07 02:11	0° II
asc. node	6593 May 21 20:39	13° II 32'02		asc. node	6594 May 08 17:41	3° II 01'45
	6593 May 30 22:39	0° E		evening max el	6594 May 20 15:02	20° II 55'27 18°18'16
evening max el	6593 Jun 06 08:14	8° E 19'37 18°50'02		retrograde	6594 May 27 20:17	24° II 31'55
retrograde	6593 Jun 14 16:35	12° E 26'22		evening set	6594 May 30 04:35	24° II 09'57
evening set	6593 Jun 16 17:36	12° E 12'32		inferior conj	6594 Jun 06 10:24	19° II 30'36 1°53'35
inferior conj	6593 Jun 24 19:00	7° E 53'31 0°28'56		minimum elong	6594 Jun 06 13:35	19° II 23'51 1°52'35
minimum elong	6593 Jun 24 20:08	7° E 51'29 0°28'29		min. Earth dist.	6594 Jun 09 20:32	16° II 38'15 0.58970 AU
desc. node	6593 Jun 26 10:11	6° E 42'21		desc. node	6594 Jun 13 07:12	14° II 12'13
min. Earth dist.	6593 Jun 27 23:06	5° E 36'50 0.56928 AU		morning rise	6594 Jun 13 19:31	13° II 54'36
morning rise	6593 Jul 02 19:13	2° E 49'04		direct	6594 Jun 20 01:07	12° II 09'46
direct	6593 Jul 08 06:11	1° E 36'58		morning max el	6594 Jul 04 10:16	19° II 57'27 27°20'20
morning max el	6593 Jul 22 14:01	9° E 04'44 26°12'47			6594 Jul 13 00:20	0° E
	6593 Aug 07 09:04	0° O			6594 Jul 31 02:51	0° O
asc. node	6593 Aug 17 19:56	19° O 27'29		morning set	6594 Aug 04 08:54	8° O 39'12
morning set	6593 Aug 20 00:33	24° O 02'16		asc. node	6594 Aug 04 16:59	9° O 21'45
	6593 Aug 22 19:00	0° P		superior conj	6594 Aug 11 10:35	24° O 00'36 1°04'43
superior conj	6593 Aug 26 22:46	9° P 09'18 1°21'53		minimum elong	6594 Aug 11 08:21	23° O 48'13 1°04'18
minimum elong	6593 Aug 26 20:34	8° P 57'11 1°21'34		max. Earth dist.	6594 Aug 11 00:46	23° O 06'17 1.31795 AU
max. Earth dist.	6593 Aug 27 14:01	10° P 33'30 1.32023 AU			6594 Aug 14 03:35	0° P
evening rise	6593 Sep 02 21:15	24° P 10'57		evening rise	6594 Aug 18 05:28	8° P 51'02
	6593 Sep 05 17:16	0° A			6594 Aug 29 02:40	0° A
desc. node	6593 Sep 22 09:23	28° A 43'28		desc. node	6594 Sep 09 06:25	16° A 51'42
	6593 Sep 23 07:03	0° M		evening max el	6594 Sep 16 04:21	24° A 35'17 26°18'14
evening max el	6593 Oct 04 04:18	12° M 52'05 27°09'54			6594 Sep 23 13:17	0° M
retrograde	6593 Oct 18 01:16	20° M 04'12		retrograde	6594 Sep 30 02:59	1° M 41'48
evening set	6593 Oct 25 02:52	17° M 49'44		evening set	6594 Oct 06 16:40	29° A 56'30
min. Earth dist.	6593 Oct 28 19:00	15° M 05'57 0.61229 AU			6594 Oct 06 13:57	30° R A
inferior conj	6593 Oct 31 21:18	12° M 24'03 -3°55'24		min. Earth dist.	6594 Oct 10 17:39	27° A 21'51 0.59153 AU
minimum elong	6593 Nov 01 03:55	12° M 09'35 3°53'25		inferior conj	6594 Oct 13 22:48	24° A 55'27 -4°50'33
morning rise	6593 Nov 08 07:06	7° M 30'02		minimum elong	6594 Oct 14 04:59	24° A 43'40 4°49'22
direct	6593 Nov 10 13:28	7° M 08'57		morning rise	6594 Oct 21 19:31	20° A 23'36
asc. node	6593 Nov 13 19:14	7° M 53'52		direct	6594 Oct 24 03:05	20° A 05'04
morning max el	6593 Nov 17 16:16	10° M 43'09 17°56'30		asc. node	6594 Oct 31 16:17	23° A 34'43
	6593 Nov 30 09:51	0° X		morning max el	6594 Nov 01 01:43	23° A 56'59 18°24'04
morning set	6593 Dec 03 09:18	5° X 25'56		morning set	6594 Nov 06 00:15	0° M
					6594 Nov 17 00:32	19° M 23'59
superior conj	6593 Dec 13 17:32	24° X 03'16 0°40'04			6594 Nov 22 13:44	0° X
minimum elong	6593 Dec 13 20:40	24° X 16'56 0°39'39		superior conj	6594 Nov 26 02:25	6° X 35'15 1°09'20
	6593 Dec 17 04:22	0° Z		minimum elong	6594 Nov 26 06:04	6° X 52'02 1°08'56
desc. node	6593 Dec 19 08:34	3° Z 40'04		max. Earth dist.	6594 Dec 03 14:33	19° X 57'35 1.40561 AU
max. Earth dist.	6593 Dec 21 06:00	6° Z 48'46 1.42539 AU		desc. node	6594 Dec 06 05:36	24° X 25'33
evening rise	6593 Dec 27 10:30	16° Z 48'03		evening rise	6594 Dec 08 01:17	27° X 27'26
	6594 Jan 05 00:12	0° \approx			6594 Dec 09 14:29	0° Z
	6594 Jan 27 00:42	0° H			6594 Dec 29 15:18	0° \approx
evening max el	6594 Jan 28 22:11	2° H 00'43 22°12'31		evening max el	6595 Jan 11 13:20	15° \approx 42'15 23°32'17
retrograde	6594 Feb 07 11:11	7° H 40'43		retrograde	6595 Jan 22 05:14	21° \approx 59'55
asc. node	6594 Feb 09 18:28	7° H 13'08		evening set	6595 Jan 27 06:41	19° \approx 54'03
evening set	6594 Feb 12 00:28	5° H 49'59				

asc. node	6595 Jan 27 15:30	19° \approx 34'47		asc. node	6596 Jan 14 12:31	0° \approx 37'39	
min. Earth dist.	6595 Feb 01 03:49	14° \approx 12'26	0.68169 AU		6596 Jan 15 00:35	30° \approx 37'39	
inferior conj	6595 Feb 01 16:50	13° \approx 27'51	1°37'01	min. Earth dist.	6596 Jan 15 23:00	28° \approx 47'34	0.67714 AU
minimum elong	6595 Feb 01 14:51	13° \approx 34'37	1°36'20	inferior conj	6596 Jan 16 23:12	27° \approx 37'44	0°48'40
morning rise	6595 Feb 06 22:58	7° \approx 22'26		minimum elong	6596 Jan 16 22:03	27° \approx 31'31	0°48'14
direct	6595 Feb 11 03:28	5° \approx 44'13		morning rise	6596 Jan 22 10:27	21° \approx 32'9	
morning max el	6595 Feb 19 10:23	10° \approx 30'00	20°54'36	direct	6596 Jan 26 02:04	20° \approx 312'38	
desc. node	6595 Mar 04 04:54	26° \approx 41'46		morning max el	6596 Feb 02 11:13	24° \approx 320'59	19°45'22
	6595 Mar 06 12:05	0° \approx			6596 Feb 07 08:21	0° \approx	
morning set	6595 Mar 21 12:38	22° \approx 40'50		greatest brilliancy	6596 Feb 15 09:01	11° \approx 13'28	-0.6m
	6595 Mar 26 03:50	0° \approx		desc. node	6596 Feb 19 01:54	16° \approx 44'13	
max. Earth dist.	6595 Mar 29 13:13	5° \approx 27'57	1.42869 AU		6596 Feb 27 18:54	0° \approx	
				morning set	6596 Feb 28 09:21	0° \approx 55'39	
superior conj	6595 Apr 05 12:45	17° \approx 02'47	-2°08'20	max. Earth dist.	6596 Mar 11 00:51	19° \approx 07'40	1.44380 AU
minimum elong	6595 Apr 05 15:24	17° \approx 14'00	2°08'16				
	6595 Apr 13 00:33	0° \approx		superior conj	6596 Mar 15 20:03	26° \approx 49'07	-2°08'02
evening rise	6595 Apr 17 07:48	7° \approx 38'25		minimum elong	6596 Mar 15 16:40	26° \approx 35'24	2°07'56
asc. node	6595 Apr 25 14:42	22° \approx 09'17			6596 Mar 17 19:06	0° \approx	
	6595 Apr 30 18:02	0° \approx		evening rise	6596 Mar 29 08:46	19° \approx 16'34	
evening max el	6595 May 04 02:38	3° \approx 57'01	18°06'09		6596 Apr 04 16:48	0° \approx	
retrograde	6595 May 10 16:40	7° \approx 19'35		asc. node	6596 Apr 11 11:43	10° \approx 47'37	
evening set	6595 May 13 08:06	6° \approx 46'51		evening max el	6596 Apr 16 15:43	17° \approx 15'52	18°13'04
inferior conj	6595 May 19 21:30	1° \approx 47'00	2°48'43	retrograde	6596 Apr 23 01:13	20° \approx 39'24	
minimum elong	6595 May 20 00:25	1° \approx 39'52	2°48'03	evening set	6596 Apr 25 23:18	19° \approx 54'25	
	6595 May 21 17:02	30° \approx 38'38		inferior conj	6596 May 02 00:21	14° \approx 35'32	3°18'28
min. Earth dist.	6595 May 23 01:14	28° \approx 43'07	0.61198 AU	minimum elong	6596 May 02 01:57	14° \approx 31'08	3°18'14
morning rise	6595 May 26 14:36	25° \approx 49'31		min. Earth dist.	6596 May 04 15:05	11° \approx 43'08	0.63317 AU
desc. node	6595 May 31 04:13	23° \approx 47'09		morning rise	6596 May 08 03:22	8° \approx 25'54	
direct	6595 Jun 02 07:17	23° \approx 33'39		direct	6596 May 14 22:45	5° \approx 47'39	
	6595 Jun 14 22:33	0° \approx		desc. node	6596 May 17 01:14	6° \approx 01'21	
morning max el	6595 Jun 16 13:04	1° \approx 32'06	27°52'14	morning max el	6596 May 28 21:01	13° \approx 48'52	27°46'12
	6595 Jul 07 06:52	0° \approx			6596 Jun 10 21:51	0° \approx	
morning set	6595 Jul 19 12:49	23° \approx 00'30			6596 Jun 28 20:13	0° \approx	
asc. node	6595 Jul 22 13:59	29° \approx 24'15		morning set	6596 Jul 02 10:08	6° \approx 59'51	
	6595 Jul 22 20:41	0° \approx		max. Earth dist.	6596 Jul 07 14:23	17° \approx 41'04	1.32670 AU
max. Earth dist.	6595 Jul 25 10:14	5° \approx 32'52	1.32008 AU	asc. node	6596 Jul 08 11:00	19° \approx 30'45	
superior conj	6595 Jul 26 21:11	8° \approx 44'23	0°43'12	superior conj	6596 Jul 10 04:47	23° \approx 15'12	0°17'52
minimum elong	6595 Jul 26 19:24	8° \approx 34'33	0°42'48	minimum elong	6596 Jul 10 03:56	23° \approx 10'37	0°17'39
evening rise	6595 Aug 02 16:24	23° \approx 36'09			6596 Jul 13 07:24	0° \approx	
	6595 Aug 05 17:41	0° \approx		evening rise	6596 Jul 17 04:09	8° \approx 20'17	
	6595 Aug 23 20:19	0° \approx			6596 Jul 28 10:02	0° \approx	
desc. node	6595 Aug 27 03:27	3° \approx 45'42		evening max el	6596 Aug 09 08:23	15° \approx 49'57	23°21'07
evening max el	6595 Aug 28 20:35	5° \approx 29'04	24°57'44	desc. node	6596 Aug 13 00:27	18° \approx 57'12	
retrograde	6595 Sep 11 17:43	12° \approx 29'17		retrograde	6596 Aug 22 20:24	22° \approx 35'46	
evening set	6595 Sep 17 06:30	11° \approx 20'06		evening set	6596 Aug 26 21:31	21° \approx 59'53	
min. Earth dist.	6595 Sep 22 07:54	8° \approx 36'31	0.57186 AU	min. Earth dist.	6596 Sep 02 17:45	18° \approx 49'39	0.55632 AU
inferior conj	6595 Sep 25 04:43	6° \approx 43'09	-5°23'09	inferior conj	6596 Sep 04 14:41	17° \approx 43'37	-5°15'39
minimum elong	6595 Sep 25 07:00	6° \approx 39'23	5°23'01	minimum elong	6596 Sep 04 10:05	17° \approx 50'24	5°15'10
morning rise	6595 Oct 03 09:45	2° \approx 34'04		morning rise	6596 Sep 13 00:59	13° \approx 51'35	
direct	6595 Oct 05 22:51	2° \approx 15'30		direct	6596 Sep 15 23:04	13° \approx 30'57	
morning max el	6595 Oct 15 02:04	6° \approx 34'49	19°13'04	morning max el	6596 Sep 26 14:38	18° \approx 28'41	20°24'15
asc. node	6595 Oct 18 13:18	10° \approx 27'23		asc. node	6596 Oct 04 10:20	28° \approx 17'04	
	6595 Oct 30 02:53	0° \approx			6596 Oct 05 12:11	0° \approx	
morning set	6595 Nov 01 00:43	3° \approx 46'18		morning set	6596 Oct 15 06:50	18° \approx 24'32	
					6596 Oct 20 21:45	0° \approx	
superior conj	6595 Nov 09 04:58	19° \approx 57'57	1°28'50	superior conj	6596 Oct 22 20:23	3° \approx 57'51	1°39'29
minimum elong	6595 Nov 09 07:43	20° \approx 11'15	1°28'38	minimum elong	6596 Oct 22 21:43	4° \approx 04'35	1°39'28
	6595 Nov 14 12:21	0° \approx		max. Earth dist.	6596 Oct 28 02:55	14° \approx 23'15	1.36379 AU
max. Earth dist.	6595 Nov 15 20:09	2° \approx 25'12	1.38424 AU	evening rise	6596 Oct 31 23:57	21° \approx 40'12	
evening rise	6595 Nov 19 14:26	9° \approx 06'24			6596 Nov 05 16:09	0° \approx	
desc. node	6595 Nov 23 02:37	15° \approx 05'50		desc. node	6596 Nov 08 23:38	5° \approx 36'41	
	6595 Dec 02 10:56	0° \approx			6596 Nov 25 07:48	0° \approx	
evening max el	6595 Dec 25 02:30	29° \approx 26'36	24°50'29	evening max el	6596 Dec 06 15:12	13° \approx 11'08	26°00'01
	6595 Dec 25 16:15	0° \approx		retrograde	6596 Dec 19 04:37	20° \approx 319'57	
retrograde	6596 Jan 05 19:17	6° \approx 14'53		evening set	6596 Dec 25 08:13	17° \approx 348'35	
evening set	6596 Jan 11 09:50	3° \approx 54'51					

min. Earth dist.	6596 Dec 29 14:25	13°♁16'02	0.66891 AU	evening rise	6597 Oct 15 01:55	4°♎59'19	
inferior conj	6596 Dec 31 01:54	11°♁25'18	-0°06'29	desc. node	6597 Oct 26 20:40	25°♎53'10	
minimum elong	6596 Dec 31 02:04	11°♁24'47	0°06'22		6597 Oct 29 10:31	0°♎	
transit middle	6596 Dec 31 02:04	11°♁24'47	0°06'22	evening max el	6597 Nov 19 04:09	26°♎50'26	26°53'33
transit begin	6596 Dec 30 23:28	11°♁32'57			6597 Nov 22 19:01	0°♁	
transit end	6596 Dec 31 04:41	11°♁16'37		retrograde	6597 Dec 02 08:34	4°♁08'39	
asc. node	6596 Dec 31 09:34	11°♁01'24		evening set	6597 Dec 08 23:55	1°♁30'59	
morning rise	6597 Jan 05 20:30	5°♁35'43			6597 Dec 10 16:46	30°♎♎	
direct	6597 Jan 09 00:48	4°♁38'01		min. Earth dist.	6597 Dec 12 23:53	27°♎33'11	0.65713 AU
morning max el	6597 Jan 15 19:37	8°♁21'06	18°51'13	inferior conj	6597 Dec 14 22:57	25°♎17'03	-1°07'24
	6597 Jan 31 10:04	0°♎		minimum elong	6597 Dec 15 00:53	25°♎11'27	1°06'31
desc. node	6597 Feb 04 22:55	7°♎04'11		asc. node	6597 Dec 18 06:38	21°♎43'19	
morning set	6597 Feb 06 18:21	9°♎54'01		morning rise	6597 Dec 21 02:51	19°♎38'49	
	6597 Feb 19 14:45	0°♎		direct	6597 Dec 23 21:48	18°♎56'10	
max. Earth dist.	6597 Feb 21 17:31	3°♎18'59	1.45243 AU	morning max el	6597 Dec 30 09:38	22°♎25'07	18°13'25
					6598 Jan 05 10:47	0°♁	
superior conj	6597 Feb 23 06:09	5°♎42'49	-1°47'56	morning set	6598 Jan 18 07:29	20°♁18'48	
minimum elong	6597 Feb 22 21:10	5°♎07'31	1°47'12	desc. node	6598 Jan 22 19:55	27°♁36'50	
evening rise	6597 Mar 10 10:52	29°♎56'21			6598 Jan 24 07:34	0°♎	
	6597 Mar 10 11:46	0°♎		superior conj	6598 Feb 02 10:27	14°♎28'28	-1°10'16
asc. node	6597 Mar 29 08:45	28°♎46'54		minimum elong	6598 Feb 02 02:13	13°♎56'07	1°09'13
	6597 Mar 30 10:33	0°♎		max. Earth dist.	6598 Feb 04 12:39	17°♎45'34	1.45379 AU
evening max el	6597 Mar 31 03:29	0°♎44'18	18°38'19		6598 Feb 12 08:40	0°♎	
retrograde	6597 Apr 06 17:30	4°♎21'43		evening rise	6598 Feb 18 14:28	9°♎43'53	
evening set	6597 Apr 09 22:21	3°♎23'32		greatest brilliancy	6598 Mar 02 09:40	28°♎00'29	-0.7m
	6597 Apr 13 17:52	30°♎♎			6598 Mar 03 17:20	0°♎	
inferior conj	6597 Apr 15 14:53	27°♎47'24	3°28'22	evening max el	6598 Mar 14 11:47	14°♎18'15	19°20'46
minimum elong	6597 Apr 15 15:00	27°♎47'04	3°28'20	asc. node	6598 Mar 16 05:49	15°♎56'00	
min. Earth dist.	6597 Apr 17 14:20	25°♎23'38	0.65140 AU	retrograde	6598 Mar 21 14:08	18°♎20'37	
morning rise	6597 Apr 21 06:59	21°♎32'20		evening set	6598 Mar 25 02:29	17°♎08'26	
direct	6597 Apr 27 22:02	18°♎44'04		inferior conj	6598 Mar 30 13:40	11°♎16'47	3°22'57
desc. node	6597 May 03 22:15	20°♎36'14		minimum elong	6598 Mar 30 12:33	11°♎20'25	3°22'50
morning max el	6597 May 11 07:12	26°♎36'58	27°06'02	min. Earth dist.	6598 Mar 31 21:54	9°♎32'01	0.66565 AU
	6597 May 14 10:45	0°♎		morning rise	6598 Apr 04 22:17	5°♎00'32	
	6597 Jun 04 12:34	0°♎		direct	6598 Apr 11 03:53	2°♎14'48	
morning set	6597 Jun 15 21:55	20°♎28'03		desc. node	6598 Apr 20 19:17	6°♎59'48	
max. Earth dist.	6597 Jun 20 09:19	29°♎20'14	1.33801 AU	morning max el	6598 Apr 23 17:06	9°♎44'27	25°59'31
	6597 Jun 20 17:08	0°♎			6598 May 09 16:44	0°♎	
superior conj	6597 Jun 24 07:16	7°♎26'11	-0°10'34		6598 May 28 01:48	0°♎	
minimum elong	6597 Jun 24 07:50	7°♎29'08	0°10'29	morning set	6598 May 29 20:24	3°♎14'49	
behind sun begin	6597 Jun 24 03:33	7°♎06'40		max. Earth dist.	6598 Jun 02 16:54	10°♎31'21	1.35404 AU
behind sun end	6597 Jun 24 12:06	7°♎51'38		superior conj	6598 Jun 08 02:11	21°♎11'06	-0°40'56
asc. node	6597 Jun 25 08:01	9°♎36'35		minimum elong	6598 Jun 08 04:31	21°♎22'55	0°40'32
evening rise	6597 Jul 01 14:49	22°♎56'39		asc. node	6598 Jun 12 05:03	29°♎38'12	
	6597 Jul 05 01:02	0°♎			6598 Jun 12 09:15	0°♎	
evening max el	6597 Jul 22 00:11	26°♎11'27	21°44'51	evening rise	6598 Jun 15 22:23	7°♎19'47	
	6597 Jul 26 18:18	0°♎			6598 Jun 28 08:44	0°♎	
desc. node	6597 Jul 30 21:29	1°♎52'28		evening max el	6598 Jul 04 03:13	7°♎04'46	20°21'38
retrograde	6597 Aug 03 12:18	2°♎23'29		retrograde	6598 Jul 15 00:57	12°♎26'19	
evening set	6597 Aug 06 04:00	2°♎07'35		evening set	6598 Jul 17 00:03	12°♎16'39	
	6597 Aug 11 22:41	30°♎♎		desc. node	6598 Jul 17 18:32	12°♎07'48	
inferior conj	6597 Aug 15 10:17	28°♎06'46	-4°15'08	inferior conj	6598 Jul 26 04:13	8°♎19'11	-2°30'15
minimum elong	6597 Aug 15 01:11	28°♎19'32	4°12'50	minimum elong	6598 Jul 25 21:19	8°♎29'16	2°27'50
min. Earth dist.	6597 Aug 15 03:12	28°♎16'43	0.54807 AU	min. Earth dist.	6598 Jul 27 14:15	7°♎29'32	0.54928 AU
morning rise	6597 Aug 23 23:39	24°♎16'13		morning rise	6598 Aug 03 17:34	4°♎10'00	
direct	6597 Aug 27 09:33	23°♎50'44		direct	6598 Aug 07 19:47	3°♎33'48	
morning max el	6597 Sep 08 14:58	29°♎35'52	21°55'27	morning max el	6598 Aug 21 06:23	10°♎05'59	23°38'59
	6597 Sep 09 01:11	0°♎			6598 Sep 04 22:30	0°♎	
asc. node	6597 Sep 21 07:22	16°♎50'20		asc. node	6598 Sep 08 04:23	5°♎56'25	
	6597 Sep 28 03:34	0°♎		morning set	6598 Sep 14 04:07	18°♎03'30	
morning set	6597 Sep 29 16:36	3°♎12'08			6598 Sep 19 17:00	0°♎	
superior conj	6597 Oct 06 20:50	18°♎23'34	1°42'30	superior conj	6598 Sep 21 03:16	3°♎05'33	1°38'56
minimum elong	6597 Oct 06 20:45	18°♎23'10	1°42'32	minimum elong	6598 Sep 21 02:04	2°♎59'00	1°38'52
max. Earth dist.	6597 Oct 10 16:08	26°♎15'52	1.34624 AU	max. Earth dist.	6598 Sep 23 14:09	8°♎21'03	1.33273 AU
	6597 Oct 12 12:44	0°♎					

evening rise	6598 Sep 28 16:22	18° Ω 52'46		evening rise	6599 Sep 12 15:52	3° Ω 11'01	
	6598 Oct 04 11:16	0° \mathbb{M}			6599 Sep 27 06:00	0° \mathbb{M}	
desc. node	6598 Oct 13 17:42	15° \mathbb{M} 48'10		desc. node	6599 Sep 30 14:46	5° \mathbb{M} 12'40	
	6598 Oct 23 15:15	0° \mathbb{A}		evening max el	6599 Oct 15 02:12	23° \mathbb{M} 07'29	27°24'26
evening max el	6598 Nov 01 16:32	10° \mathbb{A} 13'37	27°23'47		6599 Oct 26 00:47	0° \mathbb{A}	
retrograde	6598 Nov 15 06:16	17° \mathbb{A} 32'05		retrograde	6599 Oct 28 20:54	0° \mathbb{A} 21'32	
evening set	6598 Nov 22 06:24	14° \mathbb{A} 55'35			6599 Oct 31 15:08	30° \mathbb{R} \mathbb{M}	
min. Earth dist.	6598 Nov 26 01:06	11° \mathbb{A} 31'06	0.64200 AU	evening set	6599 Nov 05 00:28	27° \mathbb{M} 55'46	
inferior conj	6598 Nov 28 11:50	8° \mathbb{A} 56'42	-2°12'29	min. Earth dist.	6599 Nov 08 16:09	24° \mathbb{M} 59'58	0.62390 AU
minimum elong	6598 Nov 28 15:49	8° \mathbb{A} 46'11	2°10'50	inferior conj	6599 Nov 11 13:39	22° \mathbb{M} 17'09	-3°18'41
morning rise	6598 Dec 05 02:44	3° \mathbb{A} 32'51		minimum elong	6599 Nov 11 19:33	22° \mathbb{M} 03'15	3°16'38
asc. node	6598 Dec 05 03:42	3° \mathbb{A} 31'51		morning rise	6599 Nov 18 16:32	17° \mathbb{M} 11'11	
direct	6598 Dec 07 14:40	3° \mathbb{A} 01'19		direct	6599 Nov 21 00:09	16° \mathbb{M} 47'07	
morning max el	6598 Dec 14 02:27	6° \mathbb{A} 25'26	17°52'38	asc. node	6599 Nov 22 00:43	16° \mathbb{M} 51'57	
	6598 Dec 29 19:07	0° \mathbb{B}		morning max el	6599 Nov 27 19:04	20° \mathbb{M} 14'54	17°49'40
morning set	6598 Dec 31 01:07	2° \mathbb{B} 07'24			6599 Dec 05 01:15	0° \mathbb{A}	
desc. node	6599 Jan 09 16:56	18° \mathbb{B} 17'32		morning set	6599 Dec 13 17:14	15° \mathbb{A} 00'34	
					6599 Dec 22 05:42	0° \mathbb{B}	
superior conj	6599 Jan 13 04:23	23° \mathbb{B} 57'29	-0°24'33	superior conj	6599 Dec 24 23:19	4° \mathbb{B} 40'02	0°18'45
minimum elong	6599 Jan 13 01:33	23° \mathbb{B} 46'03	0°24'05	minimum elong	6599 Dec 25 01:04	4° \mathbb{B} 47'28	0°18'32
	6599 Jan 16 22:45	0° \approx		desc. node	6599 Dec 27 13:58	9° \mathbb{B} 02'58	
max. Earth dist.	6599 Jan 18 07:39	2° \approx 10'40	1.44782 AU	max. Earth dist.	6600 Jan 01 00:01	16° \mathbb{B} 18'12	1.43521 AU
evening rise	6599 Jan 29 03:14	19° \approx 01'37		evening rise	6600 Jan 08 15:48	28° \mathbb{B} 26'35	
	6599 Feb 05 08:07	0° \mathbb{H}			6600 Jan 09 15:54	0° \approx	
evening max el	6599 Feb 25 15:05	27° \mathbb{H} 54'00	20°18'31		6600 Jan 30 02:43	0° \mathbb{H}	
	6599 Feb 27 21:38	0° \mathbb{Y}		evening max el	6600 Feb 08 12:51	11° \mathbb{H} 30'43	21°28'24
asc. node	6599 Mar 03 02:53	2° \mathbb{Y} 00'19		retrograde	6600 Feb 17 10:18	16° \mathbb{H} 46'51	
retrograde	6599 Mar 05 12:24	2° \mathbb{Y} 30'20		asc. node	6600 Feb 17 23:57	16° \mathbb{H} 45'08	
evening set	6599 Mar 09 09:26	1° \mathbb{Y} 03'24		evening set	6600 Feb 21 17:20	15° \mathbb{H} 04'39	
	6599 Mar 10 14:51	30° \mathbb{R} \mathbb{H}		inferior conj	6600 Feb 27 01:05	8° \mathbb{H} 48'27	2°37'49
inferior conj	6599 Mar 14 17:51	24° \mathbb{H} 58'13	3°05'24	minimum elong	6600 Feb 26 22:47	8° \mathbb{H} 56'28	2°37'14
minimum elong	6599 Mar 14 15:55	25° \mathbb{H} 04'48	3°05'03	min. Earth dist.	6600 Feb 27 06:17	8° \mathbb{H} 30'26	0.68109 AU
min. Earth dist.	6599 Mar 15 11:55	23° \mathbb{H} 56'46	0.67553 AU	morning rise	6600 Mar 04 04:04	2° \mathbb{H} 36'04	
morning rise	6599 Mar 19 22:10	18° \mathbb{H} 43'09		direct	6600 Mar 09 06:45	0° \mathbb{H} 22'39	
direct	6599 Mar 25 15:05	16° \mathbb{H} 10'16		morning max el	6600 Mar 19 11:20	6° \mathbb{H} 25'15	23°07'01
morning max el	6599 Apr 06 01:55	23° \mathbb{H} 01'25	24°36'29	desc. node	6600 Mar 25 13:18	13° \mathbb{H} 20'45	
desc. node	6599 Apr 07 16:17	24° \mathbb{H} 41'58			6600 Apr 06 17:15	0° \mathbb{Y}	
	6599 Apr 12 05:35	0° \mathbb{Y}		morning set	6600 Apr 23 04:34	25° \mathbb{Y} 46'41	
	6599 May 03 01:11	0° \mathbb{B}			6600 Apr 25 16:39	0° \mathbb{B}	
morning set	6599 May 12 00:34	15° \mathbb{B} 06'12		max. Earth dist.	6600 Apr 27 11:21	3° \mathbb{B} 03'16	1.39611 AU
max. Earth dist.	6599 May 15 15:24	21° \mathbb{B} 34'44	1.37402 AU				
	6599 May 20 03:54	0° \mathbb{I}		superior conj	6600 May 05 03:40	16° \mathbb{B} 46'32	-1°39'36
superior conj	6599 May 22 10:21	4° \mathbb{I} 21'28	-1°11'31	minimum elong	6600 May 05 09:00	17° \mathbb{B} 11'08	1°39'01
minimum elong	6599 May 22 14:30	4° \mathbb{I} 41'38	1°10'54		6600 May 12 03:59	0° \mathbb{I}	
asc. node	6599 May 30 02:06	19° \mathbb{I} 31'31		evening rise	6600 May 14 17:53	4° \mathbb{I} 57'05	
evening rise	6599 May 31 00:24	21° \mathbb{I} 22'49		asc. node	6600 May 16 23:08	9° \mathbb{I} 11'24	
	6599 Jun 04 10:13	0° \mathbb{E}			6600 May 29 23:04	0° \mathbb{E}	
evening max el	6599 Jun 16 19:04	18° \mathbb{E} 41'25	19°17'33	evening max el	6600 May 30 21:21	0° \mathbb{E} 57'34	18°34'02
retrograde	6599 Jun 25 23:40	23° \mathbb{E} 12'21		retrograde	6600 Jun 07 16:44	4° \mathbb{E} 49'46	
evening set	6599 Jun 27 21:51	23° \mathbb{E} 01'19		evening set	6600 Jun 09 20:45	4° \mathbb{E} 32'51	
desc. node	6599 Jul 04 15:33	20° \mathbb{E} 02'06		inferior conj	6600 Jun 17 13:32	0° \mathbb{E} 05'00	1°08'31
inferior conj	6599 Jul 06 10:37	18° \mathbb{E} 52'23	-0°32'28	minimum elong	6600 Jun 17 15:54	0° \mathbb{E} 00'26	1°07'39
minimum elong	6599 Jul 06 09:12	18° \mathbb{E} 54'44	0°31'58		6600 Jun 17 16:07	30° \mathbb{R} \mathbb{I}	
min. Earth dist.	6599 Jul 09 03:54	17° \mathbb{E} 05'05	0.55980 AU	min. Earth dist.	6600 Jun 20 21:50	27° \mathbb{I} 30'46	0.57747 AU
morning rise	6599 Jul 14 17:41	14° \mathbb{E} 09'41		desc. node	6600 Jun 21 12:35	27° \mathbb{I} 04'07	
direct	6599 Jul 19 16:25	13° \mathbb{E} 13'45		morning rise	6600 Jun 25 07:41	24° \mathbb{I} 46'05	
morning max el	6599 Aug 02 19:29	20° \mathbb{E} 23'45	25°21'12	direct	6600 Jul 01 03:04	23° \mathbb{I} 20'51	
	6599 Aug 11 01:23	0° \mathbb{Q}			6600 Jul 14 11:54	0° \mathbb{E}	
asc. node	6599 Aug 26 01:25	25° \mathbb{Q} 26'48		morning max el	6600 Jul 15 12:22	0° \mathbb{E} 57'52	26°45'34
	6599 Aug 28 06:44	0° \mathbb{M}			6600 Aug 05 02:47	0° \mathbb{Q}	
morning set	6599 Aug 29 15:45	2° \mathbb{M} 53'51		asc. node	6600 Aug 12 22:26	15° \mathbb{Q} 13'57	
				morning set	6600 Aug 14 01:46	17° \mathbb{Q} 37'16	
superior conj	6599 Sep 05 13:22	17° \mathbb{M} 56'34	1°29'37		6600 Aug 19 18:29	0° \mathbb{M}	
minimum elong	6599 Sep 05 11:25	17° \mathbb{M} 45'48	1°29'23	superior conj	6600 Aug 21 01:03	2° \mathbb{M} 49'15	1°15'10
max. Earth dist.	6599 Sep 06 19:46	20° \mathbb{M} 43'13	1.32358 AU	minimum elong	6600 Aug 20 22:47	2° \mathbb{M} 36'41	1°14'48
	6599 Sep 11 03:15	0° \mathbb{Q}					

max. Earth dist.	6600 Aug 21 05:45	3° \mathbb{M} 15'12	1.31876 AU		6601 Aug 11 03:38	0° \mathbb{M}	
evening rise	6600 Aug 27 21:32	17° \mathbb{M} 44'53		evening rise	6601 Aug 12 07:07	2° \mathbb{M} 27'32	
	6600 Sep 02 23:23	0° \mathbb{L}			6601 Aug 27 00:27	0° \mathbb{L}	
desc. node	6600 Sep 17 11:47	23° \mathbb{L} 53'24		desc. node	6601 Sep 04 08:48	11° \mathbb{L} 33'06	
	6600 Sep 22 06:41	0° \mathbb{M}		evening max el	6601 Sep 09 02:32	16° \mathbb{L} 38'26	25°46'49
evening max el	6600 Sep 27 06:11	5° \mathbb{M} 17'55	26°51'47	retrograde	6601 Sep 23 01:17	23° \mathbb{L} 43'31	
retrograde	6600 Oct 11 03:40	12° \mathbb{M} 27'22		evening set	6601 Sep 29 06:00	22° \mathbb{L} 12'54	
evening set	6600 Oct 18 01:57	10° \mathbb{M} 23'44		min. Earth dist.	6601 Oct 03 14:55	19° \mathbb{L} 36'47	0.58287 AU
min. Earth dist.	6600 Oct 21 20:17	7° \mathbb{M} 46'11	0.60358 AU	inferior conj	6601 Oct 06 18:21	17° \mathbb{L} 22'02	-5°08'07
inferior conj	6600 Oct 25 00:58	5° \mathbb{M} 08'41	-4°20'32	minimum elong	6601 Oct 06 23:22	17° \mathbb{L} 13'02	5°07'26
minimum elong	6600 Oct 25 07:44	4° \mathbb{M} 54'43	4°18'48	morning rise	6601 Oct 14 19:04	13° \mathbb{L} 00'24	
morning rise	6600 Nov 01 15:40	0° \mathbb{M} 24'03		direct	6601 Oct 17 04:19	12° \mathbb{L} 42'16	
direct	6600 Nov 03 22:10	0° \mathbb{M} 04'20		morning max el	6601 Oct 25 14:12	16° \mathbb{L} 44'32	18°42'13
asc. node	6600 Nov 08 21:44	1° \mathbb{M} 44'14		asc. node	6601 Oct 26 18:46	17° \mathbb{L} 57'28	
morning max el	6600 Nov 11 08:09	3° \mathbb{M} 44'28	18°05'44		6601 Nov 04 01:14	0° \mathbb{M}	
morning set	6600 Nov 27 01:27	28° \mathbb{M} 38'57		morning set	6601 Nov 10 20:52	12° \mathbb{M} 48'10	
	6600 Nov 27 18:48	0° \mathbb{X}					
				superior conj	6601 Nov 19 12:38	29° \mathbb{M} 31'30	1°18'45
superior conj	6600 Dec 06 19:37	16° \mathbb{X} 36'03	0°53'42	minimum elong	6601 Nov 19 16:00	29° \mathbb{M} 47'23	1°18'25
minimum elong	6600 Dec 06 23:12	16° \mathbb{X} 52'05	0°53'15		6601 Nov 19 18:41	0° \mathbb{X}	
desc. node	6600 Dec 14 11:00	29° \mathbb{X} 49'31		max. Earth dist.	6601 Nov 26 17:43	12° \mathbb{X} 39'39	1.39652 AU
max. Earth dist.	6600 Dec 14 11:23	29° \mathbb{X} 51'07	1.41735 AU	evening rise	6601 Nov 30 18:41	19° \mathbb{X} 37'12	
	6600 Dec 14 13:30	0° \mathbb{Z}		desc. node	6601 Dec 01 08:00	20° \mathbb{X} 33'16	
evening rise	6600 Dec 19 18:27	8° \mathbb{Z} 32'36			6601 Dec 07 02:50	0° \mathbb{Z}	
	6601 Jan 02 18:57	0° \mathbb{A}			6601 Dec 28 00:52	0° \mathbb{A}	
evening max el	6601 Jan 22 05:46	25° \mathbb{A} 09'36	22°46'10	evening max el	6602 Jan 04 19:39	8° \mathbb{A} 51'56	24°06'10
	6601 Jan 28 07:34	0° \mathbb{H}		retrograde	6602 Jan 15 22:50	15° \mathbb{A} 24'34	
retrograde	6601 Feb 01 06:14	1° \mathbb{H} 06'33					
asc. node	6601 Feb 04 20:58	29° \mathbb{A} 59'48					
	6601 Feb 04 20:50	30° \mathbb{R}					
evening set	6601 Feb 06 00:37	29° \mathbb{A} 09'05					
inferior conj	6601 Feb 11 09:27	22° \mathbb{A} 45'12	2°01'32				
minimum elong	6601 Feb 11 07:13	22° \mathbb{A} 52'56	2°00'50				
min. Earth dist.	6601 Feb 11 02:50	23° \mathbb{A} 08'06	0.68255 AU				
morning rise	6601 Feb 16 13:43	16° \mathbb{A} 36'47					
direct	6601 Feb 21 02:01	14° \mathbb{A} 45'45					
morning max el	6601 Mar 02 00:39	19° \mathbb{A} 58'19	21°40'22				
	6601 Mar 10 10:36	0° \mathbb{H}					
desc. node	6601 Mar 12 10:19	2° \mathbb{H} 40'42					
	6601 Mar 30 22:14	0° \mathbb{Y}					
morning set	6601 Apr 03 04:29	5° \mathbb{Y} 08'41					
max. Earth dist.	6601 Apr 09 11:06	15° \mathbb{Y} 20'25	1.41760 AU				
superior conj	6601 Apr 17 01:27	28° \mathbb{Y} 15'45	-2°01'05				
minimum elong	6601 Apr 17 06:02	28° \mathbb{Y} 35'46	2°00'49				
	6601 Apr 18 01:15	0° \mathbb{B}					
evening rise	6601 Apr 27 23:06	17° \mathbb{B} 53'44					
asc. node	6601 May 03 20:10	28° \mathbb{B} 32'49					
	6601 May 04 16:07	0° \mathbb{I}					
evening max el	6601 May 14 06:33	13° \mathbb{I} 45'17	18°10'44				
retrograde	6601 May 21 04:11	17° \mathbb{I} 14'19					
evening set	6601 May 23 15:24	16° \mathbb{I} 48'11					
inferior conj	6601 May 30 13:46	12° \mathbb{I} 00'01	2°20'24				
minimum elong	6601 May 30 17:02	11° \mathbb{I} 52'37	2°19'29				
min. Earth dist.	6601 Jun 02 22:18	8° \mathbb{I} 59'33	0.59905 AU				
morning rise	6601 Jun 06 15:55	6° \mathbb{I} 13'13					
desc. node	6601 Jun 08 09:35	5° \mathbb{I} 18'10					
direct	6601 Jun 13 03:04	4° \mathbb{I} 14'31					
morning max el	6601 Jun 27 11:42	12° \mathbb{I} 08'36	27°38'37				
	6601 Jul 11 13:05	0° \mathbb{O}					
	6601 Jul 28 07:38	0° \mathbb{O}					
morning set	6601 Jul 29 08:28	2° \mathbb{O} 08'27					
asc. node	6601 Jul 30 19:27	5° \mathbb{O} 12'22					
max. Earth dist.	6601 Aug 04 16:20	15° \mathbb{O} 46'27	1.31829 AU				
superior conj	6601 Aug 05 12:33	17° \mathbb{O} 38'01	0°56'05				
minimum elong	6601 Aug 05 10:27	17° \mathbb{O} 26'23	0°55'41				