superior conj	13100 Jan 13 19:37	3° <b>≈</b> 33'42	1°27'00	asc. node	13100 Dec 11 06:24	12° <b>҂</b> 04'39	
minimum elong	13100 Jan 13 21:38	3° <b>≈</b> 44′20	1°27'43		13100 Dec 20 15:44	0°₹	
max. Earth dist.	13100 Jan 17 23:15	12° <b>≈</b> 07'12	1.34585 AU	morning set	13100 Dec 22 04:02	3° <b>る</b> 12'02	
evening rise	13100 Jan 22 05:30	20° <b>≈</b> 29'44					
desc. node	13100 Jan 26 06:33	28° <b>≈</b> 01'05		superior conj	13100 Dec 29 00:56	18° <b>පි</b> 06'22	1°35'49
	13100 Jan 27 09:03	0° <b>₩</b>		minimum elong	13100 Dec 29 01:56	18° <b>ප</b> 11'47	1°36'45
	13100 Feb 15 17:39	$0^{\circ}\Upsilon$		max. Earth dist.	13100 Dec 31 19:22	24° <b>る</b> 02'30	1.33029 AU
evening max el	13100 Feb 26 07:53	12° <b>Υ</b> 15'57	26°49'01		13101 Jan 03 15:50	0° <b>≈</b>	
retrograde	13100 Mar 11 13:14	19° <b>Υ</b> 40'43	20 19 01	evening rise	13101 Jan 05 17:18	4°≈10'33	
evening set	13100 Mar 18 00:37	17° <b>Y</b> '08'19		desc. node	13101 Jan 13 03:18	18°≈12'25	
-		17 <b>1</b> 08 19 13° <b>Y</b> 09'14	0.66040.411	desc. node			
min. Earth dist.	13100 Mar 22 00:52		0.66049 AU		13101 Jan 20 03:06	0° <b>∀</b>	27024154
asc. node	13100 Mar 22 06:34	12° <b>Y</b> 52'51		evening max el	13101 Feb 08 21:06	25° <b>)</b> 42'37	27°24'54
inferior conj	13100 Mar 24 02:03	10° <b>Ƴ</b> 45'22	0°34'28		13101 Feb 14 01:18	$0$ ° $\mathbf{\gamma}$	
minimum elong	13100 Mar 24 01:09	10° <b>Ƴ</b> 48'01	0°34'01	retrograde	13101 Feb 22 12:38	3° <b>Ƴ</b> 09'01	
morning rise	13100 Mar 30 02:56	5° <b>Ƴ</b> 08'10		evening set	13101 Mar 01 07:33	0° <b>Ƴ</b> 39'38	
direct	13100 Apr 02 00:32	4° <b>Ƴ</b> 21'53			13101 Mar 02 03:56	30° <b>₹</b> ₩	
morning max el	13100 Apr 08 09:58	7° <b>Ƴ</b> 44'03	18°12'10	min. Earth dist.	13101 Mar 05 03:38	27° <b>¥</b> 12′04	0.64352 AU
desc. node	13100 Apr 24 08:44	0° <b>ප</b> 31'19		inferior conj	13101 Mar 07 16:24	24° <b>)</b> € 30'37	-0°28'55
	13100 Apr 24 00:56	0°8		minimum elong	13101 Mar 07 17:17	24° <b>)</b> (28'17	0°28'23
morning set	13100 Apr 27 14:32	5° <b>8</b> 43'46		asc. node	13101 Mar 09 04:01	22° <b>)</b> 57'40	0 2025
morning set	13100 Apr 27 14.32	3 04340				19° <b>H</b> 07'10	
	1210037 12 20 21	2001 1 5 5 12 5	1052150	morning rise	13101 Mar 14 05:00		
superior conj	13100 May 12 20:21	29° <b>8</b> 55'25		direct	13101 Mar 16 17:53	18° <b>)</b> (34′17	
minimum elong	13100 May 12 11:37	_	1°54'07	morning max el	13101 Mar 23 03:03	21° <b>¥</b> 52′12	17°50'50
	13100 May 12 21:32	$\Pi$ $\circ 0$			13101 Mar 29 11:55	$0$ ° $\mathbf{\gamma}$	
max. Earth dist.	13100 May 14 15:17	2° <b>Ⅱ</b> 43'18	1.45793 AU	morning set	13101 Apr 09 04:36	17° <b>Ƴ</b> 27'13	
evening rise	13100 May 28 21:47	24° <b>Ⅱ</b> 56′03		desc. node	13101 Apr 11 05:21	20° <b>Ƴ</b> 51'39	
	13100 Jun 01 04:01	0ංම			13101 Apr 16 17:26	$9^{\circ}$ 8	
greatest brilliancy	13100 Jun 09 09:02	12° <b>©</b> 37'55	-0.7m		•		
asc. node	13100 Jun 18 04:08	25°902'59		superior conj	13101 Apr 22 15:28	9° <b>8</b> 36'58	-1°20'28
evening max el	13100 Jun 21 11:14	28°946'56	19°10'38	minimum elong	13101 Apr 22 07:22		1°20'03
evening max er	13100 Jun 22 18:35	0°Ω	17 10 30	max. Earth dist.	13101 Apr 22 07:22 13101 Apr 27 11:03	_	1.45226 AU
. 1				max. Earth dist.			1.43220 AU
retrograde	13100 Jun 28 09:29	2° <b>Ω</b> 37'51			13101 May 05 15:00	0°II	
evening set	13100 Jul 01 22:06	1° <b>Ω</b> 25'40		evening rise	13101 May 08 10:55	4° <b>Ⅱ</b> 20'52	
	13100 Jul 03 15:23	30° <b>₹</b> 🥯		greatest brilliancy	13101 May 23 11:03	26° <b>Ⅱ</b> 51'07	-0.6m
inferior conj	13100 Jul 07 08:47	25° <b>©</b> 37'21	3°05'59		13101 May 25 15:47	0	
minimum elong	13100 Jul 07 09:56	25° <b>©</b> 33'36	3°04'55	evening max el	13101 Jun 04 15:27	12° <b>©</b> 34'44	20°06'07
min. Earth dist.	13100 Jul 08 20:43	23° <b>5</b> 41'13	0.66784 AU	asc. node	13101 Jun 05 01:10	12° <b>©</b> 58'44	
morning rise	13100 Jul 12 21:10	19° <b>©</b> 13'30		retrograde	13101 Jun 12 08:04	16°958'28	
direct	13100 Jul 19 00:34	16° <b>©</b> 33'54		evening set	13101 Jun 16 06:21	15° <b>©</b> 29'27	
desc. node	13100 Jul 21 08:27	16°953'45		inferior conj	13101 Jun 21 13:24	9°528'01	3°13'08
morning max el	13100 Jul 31 16:08	24°9507'28	26°01'32	minimum elong	13101 Jun 21 13:30	9° <b>5</b> 27'39	3°12'07
morning max er	13100 Aug 05 22:31	0°Ω	20 01 32	min. Earth dist.	13101 Jun 22 11:00	8°914'42	0.67959 AU
	•						0.07939 AU
	13100 Aug 26 17:46	0° Mp		morning rise	13101 Jun 26 20:19	3°506'26	
morning set	13100 Sep 05 15:56	17° <b>m</b> ) 18'26		direct	13101 Jul 02 12:36	0°936'04	
max. Earth dist.	13100 Sep 09 10:18	24° <b>m</b> 24'45	1.35256 AU	desc. node	13101 Jul 08 05:43	2° <b>©</b> 35'15	
	13100 Sep 12 06:49	0∘ <b>ত</b>		morning max el	13101 Jul 14 02:20	7° <b>©</b> 32'16	24°38'30
asc. node	13100 Sep 14 05:15	3° <b>≙</b> 52'42			13101 Jul 31 15:29	$0 {\circ} \Omega$	
				morning set	13101 Aug 18 19:58	29° <b>Ω</b> 10′53	
superior conj	13100 Sep 14 23:51	5° <b>≙</b> 27'00	0°07'21		13101 Aug 19 07:09	0° <b>m</b> p	
minimum elong	13100 Sep 14 23:26	5° <b>₽</b> 24'52	0°07'16	max. Earth dist.	13101 Aug 22 09:59	5° m 34'50	1.37426 AU
behind sun begin	13100 Sep 14 17:59	4° <b>♀</b> 57'09					
behind sun end	13100 Sep 15 04:53	5° <b>£</b> 52'38		superior conj	13101 Aug 29 08:18	18° <b>m</b> ) 36'56	-0°25'20
evening rise	13100 Sep 13 04:55 13100 Sep 22 16:51	21° <b>≏</b> 24'23		minimum elong	13101 Aug 29 10:00	18° <b>m</b> ) 45'10	
evening rise	•			•	_	-•	0 23 16
	13100 Sep 26 22:42	0°M,		asc. node	13101 Sep 01 01:51	23° m 58'25	
evening max el	13100 Oct 11 02:25	21°M44'40	20°29'36		13101 Sep 04 02:22	0∘ <b>ত</b>	
desc. node	13100 Oct 17 04:48	26°M09'10		evening rise	13101 Sep 06 20:08	5° <b>£</b> 29'46	
retrograde	13100 Oct 22 04:25	27°M15'08			13101 Sep 20 22:35	0° <b>M</b> .	
evening set	13100 Oct 24 08:52	27°ML03'15		evening max el	13101 Sep 23 15:16	3°ML03'19	19°21'23
inferior conj	13100 Nov 02 08:43	23°ML07'57	-4°39'41	retrograde	13101 Oct 03 01:17	7° <b>M</b> L45'51	
minimum elong	13100 Nov 01 22:39	23°M22'34	4°36'14	desc. node	13101 Oct 04 02:16	7°M42'36	
min. Earth dist.	13100 Nov 03 15:45	22°M22'53	0.54692 AU	evening set	13101 Oct 04 21:52	7°M35'39	
morning rise	13100 Nov 10 12:01	19°ML08'01		inferior conj	13101 Oct 13 12:54	3°M27'12	-2°56'39
direct	13100 Nov 10 12:01 13100 Nov 14 22:53	18°M25'21		minimum elong	13101 Oct 13 12:34 13101 Oct 13 05:19	3°M39'36	
			22027120	•			
morning max el	13100 Nov 28 07:31	24°M56'08	25 3/20	min. Earth dist.	13101 Oct 16 02:02	1°M47'31	0.55712 AU
	13100 Dec 02 23:30	0° <b>∡</b> ¹			13101 Oct 19 03:16	30° <b>₹</b> Ω	

min. Earth dist.

13102 Sep 27 18:13

12°**♀**02'03 0.57451 AU

inferior conj

13103 Sep 06 11:28

26° m 14'51 0°25'51

minimum elong	13103 Sep 06 12:19	26° m 12'58	0°25'22	evening set	13104 Aug 12 16:58	13° <b>m</b> 50'19	
desc. node	13103 Sep 00 12.19 13103 Sep 07 21:15	20 m/12 38 24° m/59'04	0 23 22	inferior conj	13104 Aug 12 10:38 13104 Aug 19 04:15	8° <b>m</b> ) 42'34	1°36'40
min. Earth dist.	13103 Sep 07 21:13 13103 Sep 09 18:22	23° <b>m</b> ) 20'14	0.59624 AU	minimum elong	13104 Aug 19 04:13	8° Mp 36'31	1°35'27
morning rise	13103 Sep 09 18.22 13103 Sep 13 13:12	20° m 33'12	0.39024 AU	min. Earth dist.	13104 Aug 19 00.37 13104 Aug 22 03:37	5°Mp41'37	0.61916 AU
direct	13103 Sep 13 13.12 13103 Sep 20 00:23			desc. node	13104 Aug 22 03.37 13104 Aug 24 18:43	3°M)21'05	0.01910 AU
	1	18° Mp 35'38 26° Mp 25'32	27942122		-		
morning max el	13103 Oct 04 08:17	-	21-43-33	morning rise	13104 Aug 25 17:49	2° Mp 37'59	
	13103 Oct 07 17:17	0∘ <b>⊽</b>		direct	13104 Sep 01 10:05	0° Mp 16'59	27050100
	13103 Oct 27 19:20	0°M		morning max el	13104 Sep 15 13:47	8° Mp 17'10	27°58'08
asc. node	13103 Nov 01 20:57	9°M42'45			13104 Oct 02 06:33	0∘ <b>⊽</b>	
morning set	13103 Nov 05 07:37	16° <b>M</b> 47'16		asc. node	13104 Oct 18 17:38	29° <b>≙</b> 33'46	
	13103 Nov 11 09:26	0° <b>∡</b>			13104 Oct 18 22:47	0° <b>M</b> ₊	
max. Earth dist.	13103 Nov 11 14:34	0° <b>≯</b> 28'32	1.31251 AU	morning set	13104 Oct 19 08:10	0°M48'04	
				max. Earth dist.	13104 Oct 24 19:57	12°M26'54	1.31697 AU
superior conj	13103 Nov 12 09:08	2° <b>҂</b> 11'57	1°25'35				
minimum elong	13103 Nov 12 07:15	2° <b>҂</b> 01'28	1°26'13	superior conj	13104 Oct 26 18:53	16°M44'07	1°10'40
evening rise	13103 Nov 19 02:04	17° <b>∡</b> 00'19		minimum elong	13104 Oct 26 16:38	16°M31'42	1°10'59
	13103 Nov 25 10:12	0°ප			13104 Nov 01 19:25	0° <b>∡</b> ¹	
desc. node	13103 Dec 04 18:07	16° <b>ප</b> 14'30		evening rise	13104 Nov 02 12:40	1° <b>∡</b> ³33'21	
	13103 Dec 15 06:32	0° <b>≈</b>			13104 Nov 17 18:28	8°0	
evening max el	13103 Dec 17 10:48	2°≈11'12	26°05'19	desc. node	13104 Nov 20 15:17	4° <b>ප</b> 07'16	
retrograde	13103 Dec 31 09:19	9° <b>≈</b> 15'12		evening max el	13104 Nov 28 00:35	12° <b>る</b> 42'57	24°36'59
evening set	13104 Jan 06 16:24	7° <b>≈</b> 41'07		retrograde	13104 Dec 11 18:23	19° <b>ට</b> 34'41	
min. Earth dist.	13104 Jan 10 23:56	5°≈04'48	0.58072 AU	evening set	13104 Dec 17 02:32	18° <b>ප</b> 31'41	
inferior conj	13104 Jan 14 01:30	2°≈52'15	-4°24'58	min. Earth dist.	13104 Dec 22 12:20	15° <b>⋜</b> 43'36	0.56225 AU
minimum elong	13104 Jan 14 10:08	2° <b>≈</b> 36'38	4°21'34	inferior conj	13104 Dec 24 22:42	14° <b>⋜</b> 11'45	-5°29'49
· ·	13104 Jan 18 09:59	30°Rる		minimum elong	13104 Dec 25 05:40	14° <b>る</b> 00'45	5°27'43
morning rise	13104 Jan 22 06:45	28° <b>ට</b> 27'32		morning rise	13105 Jan 02 10:53	10° <b>ට</b> 07'57	
direct	13104 Jan 24 08:34	28° <b>ට</b> 13'29		direct	13105 Jan 04 20:05	9° <b>ප</b> 52'30	
asc. node	13104 Jan 28 20:13	29° <b>ට</b> 23'14		morning max el	13105 Jan 14 15:37	14° <b>ට</b> 36'08	19°34'26
	13104 Jan 29 21:21	0°≈		asc. node	13105 Jan 14 17:29	14° <b>පි</b> 40'39	.,
morning max el	13104 Feb 01 18:51	2°≈21'10	18°37'07	use. Houe	13105 Jan 25 10:42	0°≈	
morning set	13104 Feb 17 20:01	28°≈05'30	10 37 07	morning set	13105 Jan 31 23:06	12°≈35'50	
morning set	13104 Feb 18 19:40	0° <b>∀</b>		morning set	15105 3411 51 25.00	12 70/33 30	
	13104160 10 17.40	٥ ٨		superior conj	13105 Feb 08 22:46	28° <b>≈</b> 36'31	0°59'17
superior conj	13104 Feb 26 16:43	15° <b>)</b> 04'31	0°32'25	minimum elong	13105 Feb 09 01:34	28°≈50'15	0°59'29
minimum elong	13104 Feb 26 18:50	15° <b>X</b> 14'19	0°32'26	minimum ciong	13105 Feb 09 01:54 13105 Feb 09 15:50	28 <b>≈</b> 30 13	0 39 29
desc. node	13104 Mar 01 18:55	22°34'12	0 32 20	max. Earth dist.	13105 Feb 15 07:07	0 <b>X</b> 10° <b>¥</b> 41'44	1.37787 AU
	13104 Mar 05 00:52	28° <b>H</b> 19'01	1 40022 ATT		13105 Feb 16 15:29	13° <b>)</b> (4144	1.37787 AU
max. Earth dist.		28° <b>π</b> 1901 0° <b>Υ</b>	1.40033 AU	desc. node		13° <b>X</b> 09'34 17° <b>X</b> 23'59	
	13104 Mar 06 00:11			evening rise	13105 Feb 19 00:23	1/° <b>π</b> 23′59 0° <b>Υ</b>	
evening rise	13104 Mar 09 03:37	5° <b>Y</b> 20′22			13105 Feb 26 11:10		
	13104 Mar 24 23:25	0°8			13105 Mar 19 08:39	0°8	
evening max el	13104 Apr 12 21:37	24° <b>8</b> 03'06	23°53'05				
_		—		evening max el	13105 Mar 26 11:14	7° <b>8</b> 55'53	25°10'49
retrograde	13104 Apr 21 02:40	0°II		retrograde	13105 Apr 07 12:21	14° <b>8</b> 55'05	25°10'49
_	13104 Apr 23 22:16	0° <b>Ⅲ</b> 32′05		retrograde asc. node	13105 Apr 07 12:21 13105 Apr 12 14:16	14° <b>8</b> 55'05 13° <b>8</b> 04'25	25°10'49
asc. node	13104 Apr 23 22:16 13104 Apr 25 16:52	0° <b>Д</b> 32'05 0° <b>Д</b> 17'48		retrograde asc. node evening set	13105 Apr 07 12:21 13105 Apr 12 14:16 13105 Apr 13 07:16	14°\(\delta\)55'05 13°\(\delta\)04'25 12°\(\delta\)30'33	
asc. node	13104 Apr 23 22:16 13104 Apr 25 16:52 13104 Apr 26 13:35	0°Д32'05 0°Д17'48 30°R <b>8</b>		retrograde asc. node evening set min. Earth dist.	13105 Apr 07 12:21 13105 Apr 12 14:16 13105 Apr 13 07:16 13105 Apr 17 16:52	14°\delta55'05 13°\delta04'25 12°\delta30'33 7°\delta37'14	0.67978 AU
evening set	13104 Apr 23 22:16 13104 Apr 25 16:52 13104 Apr 26 13:35 13104 Apr 29 05:28	0°∏32'05 0°∏17'48 30°R <b>୪</b> 28° <b>୪</b> 18'01		retrograde asc. node evening set min. Earth dist. inferior conj	13105 Apr 07 12:21 13105 Apr 12 14:16 13105 Apr 13 07:16 13105 Apr 17 16:52 13105 Apr 18 22:39	14°\855'05 13°\804'25 12°\830'33 7°\837'14 6°\800'00	0.67978 AU 1°52'03
evening set min. Earth dist.	13104 Apr 23 22:16 13104 Apr 25 16:52 13104 Apr 26 13:35 13104 Apr 29 05:28 13104 May 03 22:35	0°Д32'05 0°Д17'48 30°R <b>४</b> 28° <b>४</b> 18'01 22° <b>४</b> 48'51	0.68660 AU	retrograde asc. node evening set min. Earth dist. inferior conj minimum elong	13105 Apr 07 12:21 13105 Apr 12 14:16 13105 Apr 13 07:16 13105 Apr 17 16:52 13105 Apr 18 22:39 13105 Apr 18 20:33	14°\delta55'05 13°\delta04'25 12°\delta30'33 7°\delta37'14 6°\delta00'00 6°\delta06'53	0.67978 AU
evening set	13104 Apr 23 22:16 13104 Apr 25 16:52 13104 Apr 26 13:35 13104 Apr 29 05:28 13104 May 03 22:35 13104 May 04 16:01	0°∏32'05 0°∏17'48 30°R <b>୪</b> 28° <b>୪</b> 18'01	0.68660 AU 2°27'38	retrograde asc. node evening set min. Earth dist. inferior conj	13105 Apr 07 12:21 13105 Apr 12 14:16 13105 Apr 13 07:16 13105 Apr 17 16:52 13105 Apr 18 22:39	14°\S55'05 13°\S04'25 12°\S30'33 7°\S37'14 6°\S00'00 6°\S06'53 0°\S05'29	0.67978 AU 1°52'03
evening set min. Earth dist.	13104 Apr 23 22:16 13104 Apr 25 16:52 13104 Apr 26 13:35 13104 Apr 29 05:28 13104 May 03 22:35	0°Д32'05 0°Д17'48 30°R <b>४</b> 28° <b>४</b> 18'01 22° <b>४</b> 48'51	2°27'38	retrograde asc. node evening set min. Earth dist. inferior conj minimum elong	13105 Apr 07 12:21 13105 Apr 12 14:16 13105 Apr 13 07:16 13105 Apr 17 16:52 13105 Apr 18 22:39 13105 Apr 18 20:33	14°\delta55'05 13°\delta04'25 12°\delta30'33 7°\delta37'14 6°\delta00'00 6°\delta06'53	0.67978 AU 1°52'03
evening set min. Earth dist. inferior conj	13104 Apr 23 22:16 13104 Apr 25 16:52 13104 Apr 26 13:35 13104 Apr 29 05:28 13104 May 03 22:35 13104 May 04 16:01	0°∏32'05 0°∏17'48 30°R <b>୪</b> 28° <b>୪</b> 18'01 22° <b>୪</b> 48'51 21° <b>୪</b> 49'25	2°27'38	retrograde asc. node evening set min. Earth dist. inferior conj minimum elong	13105 Apr 07 12:21 13105 Apr 12 14:16 13105 Apr 13 07:16 13105 Apr 17 16:52 13105 Apr 18 22:39 13105 Apr 18 20:33 13105 Apr 24 10:09	14°\S55'05 13°\S04'25 12°\S30'33 7°\S37'14 6°\S00'00 6°\S06'53 0°\S05'29	0.67978 AU 1°52'03
evening set min. Earth dist. inferior conj minimum elong	13104 Apr 23 22:16 13104 Apr 25 16:52 13104 Apr 26 13:35 13104 Apr 29 05:28 13104 May 03 22:35 13104 May 04 16:01 13104 May 04 13:56	0°∏32'05 0°∏17'48 30°R <b>୪</b> 28° <b>୪</b> 18'01 22° <b>୪</b> 48'51 21° <b>୪</b> 49'25 21° <b>୪</b> 56'32	2°27'38	retrograde asc. node evening set min. Earth dist. inferior conj minimum elong morning rise	13105 Apr 07 12:21 13105 Apr 12 14:16 13105 Apr 13 07:16 13105 Apr 17 16:52 13105 Apr 18 22:39 13105 Apr 18 20:33 13105 Apr 24 10:09 13105 Apr 24 13:24	14°\S55'05 13°\S04'25 12°\S30'33 7°\S37'14 6°\S00'00 6°\S06'53 0°\S05'29 30°\RY	0.67978 AU 1°52'03
evening set min. Earth dist. inferior conj minimum elong morning rise	13104 Apr 23 22:16 13104 Apr 25 16:52 13104 Apr 26 13:35 13104 Apr 29 05:28 13104 May 03 22:35 13104 May 04 16:01 13104 May 04 13:56 13104 May 09 22:25	0°Щ32'05 0°Щ17'48 30°R <b>४</b> 28° <b>४</b> 18'01 22° <b>४</b> 48'51 21° <b>४</b> 49'25 21° <b>४</b> 56'32 15° <b>४</b> 46'05	2°27'38	retrograde asc. node evening set min. Earth dist. inferior conj minimum elong morning rise	13105 Apr 07 12:21 13105 Apr 12 14:16 13105 Apr 13 07:16 13105 Apr 17 16:52 13105 Apr 18 22:39 13105 Apr 18 20:33 13105 Apr 24 10:09 13105 Apr 24 13:24 13105 Apr 28 00:25	14°\S55'05 13°\S04'25 12°\S30'33 7°\S37'14 6°\S00'00 6°\S06'53 0°\S05'29 30°\RY 28°\Y51'13	0.67978 AU 1°52'03
evening set min. Earth dist. inferior conj minimum elong morning rise direct	13104 Apr 23 22:16 13104 Apr 25 16:52 13104 Apr 26 13:35 13104 Apr 29 05:28 13104 May 03 22:35 13104 May 04 16:01 13104 May 04 13:56 13104 May 09 22:25 13104 May 14 00:32	0°∏32'05 0°∏17'48 30°R8 28°818'01 22°848'51 21°849'25 21°856'32 15°846'05 14°811'27	2°27'38 2°26'24	retrograde asc. node evening set min. Earth dist. inferior conj minimum elong morning rise direct	13105 Apr 07 12:21 13105 Apr 12 14:16 13105 Apr 13 07:16 13105 Apr 17 16:52 13105 Apr 18 22:39 13105 Apr 18 20:33 13105 Apr 24 10:09 13105 Apr 24 13:24 13105 Apr 28 00:25 13105 May 01 16:14	14°\S55'05 13°\S04'25 12°\S30'33 7°\S37'14 6°\S00'00 6°\S06'53 0°\S05'29 30°\R\T28°\Y51'13 0°\S	0.67978 AU 1°52'03 1°50'54
evening set min. Earth dist. inferior conj minimum elong morning rise direct morning max el	13104 Apr 23 22:16 13104 Apr 25 16:52 13104 Apr 26 13:35 13104 Apr 29 05:28 13104 May 03 22:35 13104 May 04 16:01 13104 May 04 13:56 13104 May 09 22:25 13104 May 14 00:32 13104 May 21 22:32	0°∏32'05 0°∏17'48 30°R8 28°818'01 22°848'51 21°849'25 21°856'32 15°846'05 14°811'27 18°840'18	2°27'38 2°26'24	retrograde asc. node evening set min. Earth dist. inferior conj minimum elong morning rise direct morning max el	13105 Apr 07 12:21 13105 Apr 12 14:16 13105 Apr 13 07:16 13105 Apr 17 16:52 13105 Apr 18 22:39 13105 Apr 18 20:33 13105 Apr 24 10:09 13105 Apr 24 13:24 13105 Apr 28 00:25 13105 May 01 16:14 13105 May 05 01:55	14°\S55'05 13°\S04'25 12°\S30'33 7°\S37'14 6°\S00'00 6°\S06'53 0°\S05'29 30°\R'\Y 28°\Y51'13 0°\S 2°\S43'46	0.67978 AU 1°52'03 1°50'54
evening set min. Earth dist. inferior conj minimum elong morning rise direct morning max el	13104 Apr 23 22:16 13104 Apr 25 16:52 13104 Apr 26 13:35 13104 Apr 29 05:28 13104 May 03 22:35 13104 May 04 16:01 13104 May 04 13:56 13104 May 09 22:25 13104 May 14 00:32 13104 May 21 22:32 13104 May 28 20:46	0°∏32'05 0°∏17'48 30°R8 28°818'01 22°848'51 21°849'25 21°856'32 15°846'05 14°811'27 18°840'18 26°851'06	2°27'38 2°26'24	retrograde asc. node evening set min. Earth dist. inferior conj minimum elong morning rise  direct  morning max el desc. node	13105 Apr 07 12:21 13105 Apr 12 14:16 13105 Apr 13 07:16 13105 Apr 17 16:52 13105 Apr 18 22:39 13105 Apr 18 20:33 13105 Apr 24 10:09 13105 Apr 24 13:24 13105 Apr 28 00:25 13105 May 01 16:14 13105 May 05 01:55 13105 May 15 17:35	14°\S55'05 13°\S04'25 12°\S30'33 7°\S37'14 6°\S00'00 6°\S06'53 0°\S05'29 30°\R\Y 28°\Y51'13 0°\S 2°\S43'46 16°\S21'40	0.67978 AU 1°52'03 1°50'54
evening set min. Earth dist. inferior conj minimum elong morning rise direct morning max el desc. node	13104 Apr 23 22:16 13104 Apr 25 16:52 13104 Apr 26 13:35 13104 Apr 29 05:28 13104 May 03 22:35 13104 May 04 16:01 13104 May 04 13:56 13104 May 09 22:25 13104 May 14 00:32 13104 May 21 22:32 13104 May 28 20:46 13104 May 31 04:47	0°∏32'05 0°∏17'48 30°R8 28°8'18'01 22°8'48'51 21°8'56'32 15°8'46'05 14°8'11'27 18°8'40'18 26°8'51'06 0°∏	2°27'38 2°26'24	retrograde asc. node evening set min. Earth dist. inferior conj minimum elong morning rise  direct  morning max el desc. node	13105 Apr 07 12:21 13105 Apr 12 14:16 13105 Apr 13 07:16 13105 Apr 17 16:52 13105 Apr 18 22:39 13105 Apr 18 20:33 13105 Apr 24 10:09 13105 Apr 24 13:24 13105 Apr 28 00:25 13105 May 01 16:14 13105 May 05 01:55 13105 May 15 17:35 13105 May 17 20:00	14°\S55'05 13°\S04'25 12°\S30'33 7°\S37'14 6°\S00'00 6°\S06'53 0°\S05'29 30°\RY 28°\Y51'13 0°\S 2°\S43'46 16°\S21'40 19°\S26'35	0.67978 AU 1°52'03 1°50'54
evening set min. Earth dist. inferior conj minimum elong morning rise direct morning max el desc. node	13104 Apr 23 22:16 13104 Apr 25 16:52 13104 Apr 26 13:35 13104 Apr 29 05:28 13104 May 03 22:35 13104 May 04 16:01 13104 May 04 13:56 13104 May 09 22:25 13104 May 14 00:32 13104 May 21 22:32 13104 May 22 20:46 13104 May 31 04:47 13104 Jun 19 13:46	0°∏32'05 0°∏17'48 30°R8 28°8'18'01 22°8'48'51 21°8'49'25 21°8'56'32 15°8'46'05 14°8'11'27 18°8'40'18 26°8'51'06 0°∏ 28°∏40'49	2°27'38 2°26'24	retrograde asc. node evening set min. Earth dist. inferior conj minimum elong morning rise  direct  morning max el desc. node greatest brilliancy	13105 Apr 07 12:21 13105 Apr 12 14:16 13105 Apr 13 07:16 13105 Apr 17 16:52 13105 Apr 18 22:39 13105 Apr 18 20:33 13105 Apr 24 10:09 13105 Apr 24 13:24 13105 Apr 28 00:25 13105 May 01 16:14 13105 May 05 01:55 13105 May 15 17:35 13105 May 17 20:00 13105 May 24 20:00	14°\S55'05 13°\S04'25 12°\S30'33 7°\S37'14 6°\S00'00 6°\S06'53 0°\S05'29 30°\R\Y 28°\Y51'13 0°\S 2°\S43'46 16°\S21'40 19°\S26'35 0°\I	0.67978 AU 1°52'03 1°50'54
evening set min. Earth dist. inferior conj minimum elong morning rise direct morning max el desc. node morning set	13104 Apr 23 22:16 13104 Apr 25 16:52 13104 Apr 26 13:35 13104 Apr 29 05:28 13104 May 03 22:35 13104 May 04 16:01 13104 May 04 13:56 13104 May 09 22:25 13104 May 14 00:32 13104 May 21 22:32 13104 May 22 20:46 13104 May 31 04:47 13104 Jun 19 13:46 13104 Jun 20 10:14	0°∏32'05 0°∏17'48 30°R8 28°818'01 22°848'51 21°849'25 21°856'32 15°846'05 14°811'27 18°840'18 26°851'06 0°∏ 28°∏40'49 0°©	2°27'38 2°26'24 20°24'04	retrograde asc. node evening set min. Earth dist. inferior conj minimum elong morning rise  direct  morning max el desc. node greatest brilliancy	13105 Apr 07 12:21 13105 Apr 12 14:16 13105 Apr 13 07:16 13105 Apr 13 07:16 13105 Apr 18 22:39 13105 Apr 18 20:33 13105 Apr 24 10:09 13105 Apr 24 13:24 13105 Apr 28 00:25 13105 May 01 16:14 13105 May 05 01:55 13105 May 15 17:35 13105 May 17 20:00 13105 May 24 20:00 13105 May 29 15:34	14°\S55'05 13°\S04'25 12°\S30'33 7°\S37'14 6°\S00'00 6°\S06'53 0°\S05'29 30°\R'\Y 28°\Y'51'13 0°\S 2°\S43'46 16°\S21'40 19°\S26'35 0°\II 7°\II23'04	0.67978 AU 1°52'03 1°50'54 19°20'09 -0.7m
evening set min. Earth dist. inferior conj minimum elong morning rise direct morning max el desc. node morning set max. Earth dist.	13104 Apr 23 22:16 13104 Apr 25 16:52 13104 Apr 26 13:35 13104 Apr 29 05:28 13104 May 03 22:35 13104 May 04 16:01 13104 May 04 13:56 13104 May 09 22:25 13104 May 14 00:32 13104 May 21 22:32 13104 May 22 20:46 13104 May 31 04:47 13104 Jun 19 13:46 13104 Jun 20 10:14	0°∏32'05 0°∏17'48 30°R8 28°818'01 22°848'51 21°849'25 21°856'32 15°846'05 14°811'27 18°840'18 26°851'06 0°∏ 28°∏40'49 0°©	2°27'38 2°26'24 20°24'04 1.43886 AU	retrograde asc. node evening set min. Earth dist. inferior conj minimum elong morning rise  direct  morning max el desc. node greatest brilliancy	13105 Apr 07 12:21 13105 Apr 12 14:16 13105 Apr 13 07:16 13105 Apr 17 16:52 13105 Apr 18 22:39 13105 Apr 18 20:33 13105 Apr 24 10:09 13105 Apr 24 13:24 13105 Apr 28 00:25 13105 May 01 16:14 13105 May 05 01:55 13105 May 15 17:35 13105 May 17 20:00 13105 May 24 20:00 13105 May 29 15:34 13105 Jun 11 09:40	14°\S55'05 13°\S04'25 12°\S30'33 7°\S37'14 6°\S00'00 6°\S06'53 0°\S05'29 30°\R'\Y 28°\Y51'13 0°\S 2°\S43'46 16°\S21'40 19°\S26'35 0°\II 7°\II23'04 27°\II13'05	0.67978 AU 1°52'03 1°50'54 19°20'09 -0.7m
evening set min. Earth dist. inferior conj minimum elong morning rise direct morning max el desc. node morning set max. Earth dist. superior conj	13104 Apr 23 22:16 13104 Apr 25 16:52 13104 Apr 26 13:35 13104 Apr 29 05:28 13104 May 03 22:35 13104 May 04 16:01 13104 May 04 13:56 13104 May 09 22:25 13104 May 14 00:32 13104 May 21 22:32 13104 May 22 20:46 13104 May 31 04:47 13104 Jun 19 13:46 13104 Jun 20 10:14 13104 Jun 28 18:37	0° II 32'05 0° II 17'48 30° R8 28° 818'01 22° 848'51 21° 849'25 21° 856'32 15° 846'05 14° 811'27 18° 840'18 26° 851'06 0° II 28° II 40'49 0° 9 13° \$09'05 23° \$16'54	2°27'38 2°26'24 20°24'04 1.43886 AU -2°00'15	retrograde asc. node evening set min. Earth dist. inferior conj minimum elong morning rise  direct  morning max el desc. node greatest brilliancy  morning set max. Earth dist.	13105 Apr 07 12:21 13105 Apr 12 14:16 13105 Apr 13 07:16 13105 Apr 13 07:16 13105 Apr 18 22:39 13105 Apr 18 20:33 13105 Apr 24 10:09 13105 Apr 24 13:24 13105 Apr 28 00:25 13105 May 01 16:14 13105 May 05 01:55 13105 May 15 17:35 13105 May 17 20:00 13105 May 24 20:00 13105 May 29 15:34 13105 Jun 11 09:40 13105 Jun 13 04:00	14°\S55'05 13°\S04'25 12°\S30'33 7°\S37'14 6°\S00'00 6°\S06'53 0°\S05'29 30°\R'\P' 28°\Y'51'13 0°\S' 2°\S43'46 16°\S21'40 19°\S26'35 0°\II 7°\II23'04 27°\II13'05 0°\S	0.67978 AU 1°52'03 1°50'54 19°20'09 -0.7m
evening set min. Earth dist. inferior conj minimum elong morning rise direct morning max el desc. node morning set max. Earth dist.	13104 Apr 23 22:16 13104 Apr 25 16:52 13104 Apr 26 13:35 13104 Apr 29 05:28 13104 May 03 22:35 13104 May 04 16:01 13104 May 04 13:56 13104 May 09 22:25 13104 May 14 00:32 13104 May 21 22:32 13104 May 22 20:46 13104 May 31 04:47 13104 Jun 19 13:46 13104 Jun 20 10:14 13104 Jun 28 18:37 13104 Jul 05 00:04 13104 Jul 05 06:35	0° ∏32'05 0° ∏17'48 30° R& 28° ♂18'01 22° ♂48'51 21° ♂56'32 15° ♂46'05 14° ♂11'27 18° ♂40'18 26° ♂51'06 0° ∏ 28° ∏40'49 0° ज 13° ©09'05 23° ©16'54 23° ©43'50	2°27'38 2°26'24 20°24'04 1.43886 AU -2°00'15	retrograde asc. node evening set min. Earth dist. inferior conj minimum elong morning rise  direct  morning max el desc. node greatest brilliancy  morning set max. Earth dist.	13105 Apr 07 12:21 13105 Apr 12 14:16 13105 Apr 13 07:16 13105 Apr 17 16:52 13105 Apr 18 22:39 13105 Apr 18 20:33 13105 Apr 24 10:09 13105 Apr 24 13:24 13105 Apr 28 00:25 13105 May 01 16:14 13105 May 05 01:55 13105 May 15 17:35 13105 May 17 20:00 13105 May 24 20:00 13105 May 29 15:34 13105 Jun 11 09:40 13105 Jun 13 04:00	14°\S55'05 13°\S04'25 12°\S30'33 7°\S37'14 6°\S00'00 6°\S06'53 0°\S05'29 30°\K'\Y' 28°\Y'51'13 0°\S' 2°\S43'46 16°\S21'40 19°\S26'35 0°\II 7°\II23'04 27°\II13'05 0°\S	0.67978 AU 1°52'03 1°50'54 19°20'09 -0.7m 1.45189 AU -2°13'11
evening set min. Earth dist. inferior conj minimum elong morning rise direct morning max el desc. node morning set max. Earth dist. superior conj minimum elong	13104 Apr 23 22:16 13104 Apr 25 16:52 13104 Apr 26 13:35 13104 Apr 29 05:28 13104 May 03 22:35 13104 May 04 16:01 13104 May 09 22:25 13104 May 14 00:32 13104 May 21 22:32 13104 May 22 22:32 13104 May 28 20:46 13104 May 31 04:47 13104 Jun 19 13:46 13104 Jun 20 10:14 13104 Jun 28 18:37 13104 Jul 05 00:04 13104 Jul 05 06:35 13104 Jul 09 00:39	0° \$\Pi\$32'05 0° \$\Pi\$17'48 30° \$\Boldon \Boldon \Bol	2°27'38 2°26'24 20°24'04 1.43886 AU -2°00'15	retrograde asc. node evening set min. Earth dist. inferior conj minimum elong morning rise  direct  morning max el desc. node greatest brilliancy  morning set max. Earth dist.	13105 Apr 07 12:21 13105 Apr 12 14:16 13105 Apr 13 07:16 13105 Apr 13 107:16 13105 Apr 18 22:39 13105 Apr 18 20:33 13105 Apr 24 10:09 13105 Apr 24 13:24 13105 Apr 28 00:25 13105 May 01 16:14 13105 May 05 01:55 13105 May 15 17:35 13105 May 17 20:00 13105 May 24 20:00 13105 May 29 15:34 13105 Jun 11 09:40 13105 Jun 13 04:00  13105 Jun 15 00:26 13105 Jun 15 00:26	14°\S55'05 13°\S04'25 12°\S30'33 7°\S37'14 6°\S00'00 6°\S06'53 0°\S05'29 30°\K'\Y' 28°\Y'51'13 0°\S' 2°\S43'46 16°\S21'40 19°\S26'35 0°\II 7°\II23'04 27°\II13'05 0°\S 2°\S55'58 3°\S01'47	0.67978 AU 1°52'03 1°50'54 19°20'09 -0.7m 1.45189 AU -2°13'11
evening set min. Earth dist. inferior conj minimum elong morning rise direct morning max el desc. node morning set max. Earth dist. superior conj minimum elong evening rise	13104 Apr 23 22:16 13104 Apr 25 16:52 13104 Apr 26 13:35 13104 Apr 29 05:28 13104 May 03 22:35 13104 May 04 16:01 13104 May 04 13:56 13104 May 09 22:25 13104 May 14 00:32 13104 May 21 22:32 13104 May 22 20:46 13104 May 31 04:47 13104 Jun 19 13:46 13104 Jun 20 10:14 13104 Jun 28 18:37  13104 Jul 05 00:04 13104 Jul 05 06:35 13104 Jul 09 00:39 13104 Jul 17 14:43	0° \$\Pi\$32'05 0° \$\Pi\$17'48 30° \$\Boldon \Boldon \Bol	2°27'38 2°26'24 20°24'04 1.43886 AU -2°00'15	retrograde asc. node evening set min. Earth dist. inferior conj minimum elong morning rise  direct  morning max el desc. node greatest brilliancy  morning set max. Earth dist.	13105 Apr 07 12:21 13105 Apr 12 14:16 13105 Apr 13 07:16 13105 Apr 13 07:16 13105 Apr 18 22:39 13105 Apr 18 20:33 13105 Apr 24 10:09 13105 Apr 24 13:24 13105 Apr 28 00:25 13105 May 01 16:14 13105 May 05 01:55 13105 May 15 17:35 13105 May 17 20:00 13105 May 24 20:00 13105 May 29 15:34 13105 Jun 11 09:40 13105 Jun 13 04:00  13105 Jun 15 00:26 13105 Jun 15 00:26 13105 Jun 15 01:53 13105 Jun 29 08:42	14°\S55'05 13°\S04'25 12°\S30'33 7°\S37'14 6°\S00'00 6°\S06'53 0°\S05'29 30°\R'\Y' 28°\Y'51'13 0°\S' 2°\S43'46 16°\S21'40 19°\S26'35 0°\II 7°\II23'04 27°\II13'05 0°\S' 2°\S55'58 3°\S01'47 26°\S13'24	0.67978 AU 1°52'03 1°50'54 19°20'09 -0.7m 1.45189 AU -2°13'11
evening set min. Earth dist. inferior conj minimum elong morning rise direct morning max el desc. node morning set max. Earth dist. superior conj minimum elong	13104 Apr 23 22:16 13104 Apr 25 16:52 13104 Apr 26 13:35 13104 Apr 29 05:28 13104 May 03 22:35 13104 May 04 16:01 13104 May 04 13:56 13104 May 09 22:25 13104 May 14 00:32 13104 May 21 22:32 13104 May 22 20:46 13104 May 31 04:47 13104 Jun 19 13:46 13104 Jun 20 10:14 13104 Jun 28 18:37  13104 Jul 05 00:04 13104 Jul 05 06:35 13104 Jul 07 00:39 13104 Jul 17 14:43 13104 Jul 22 15:48	0° \$\Pi\$32'05 0° \$\Pi\$17'48 30° \$\Boldon \Boldon \Bol	2°27'38 2°26'24 20°24'04 1.43886 AU -2°00'15	retrograde asc. node evening set min. Earth dist. inferior conj minimum elong morning rise  direct  morning max el desc. node greatest brilliancy  morning set max. Earth dist.  superior conj minimum elong evening rise	13105 Apr 07 12:21 13105 Apr 12 14:16 13105 Apr 13 07:16 13105 Apr 13 07:16 13105 Apr 18 22:39 13105 Apr 18 20:33 13105 Apr 24 10:09 13105 Apr 24 13:24 13105 Apr 28 00:25 13105 May 01 16:14 13105 May 05 01:55 13105 May 15 17:35 13105 May 17 20:00 13105 May 24 20:00 13105 May 29 15:34 13105 Jun 11 09:40 13105 Jun 15 00:26 13105 Jun 15 00:26 13105 Jun 15 00:26 13105 Jun 29 08:42 13105 Jul 01 15:25	14°\855'05 13°\804'25 12°\830'33 7°\837'14 6°\800'00 6°\806'53 0°\805'29 30°\RY 28°\Y51'13 0°\8 2°\843'46 16°\821'40 19°\826'35 0°\II 7°\II23'04 27°\II13'05 0°\\$ 2°\\$55'58 3°\\$01'47 26°\\$13'24 0°\R	0.67978 AU 1°52'03 1°50'54 19°20'09 -0.7m 1.45189 AU -2°13'11
evening set min. Earth dist. inferior conj minimum elong morning rise direct morning max el desc. node morning set max. Earth dist. superior conj minimum elong evening rise asc. node	13104 Apr 23 22:16 13104 Apr 25 16:52 13104 Apr 26 13:35 13104 Apr 29 05:28 13104 May 03 22:35 13104 May 04 16:01 13104 May 04 13:56 13104 May 09 22:25 13104 May 14 00:32 13104 May 21 22:32 13104 May 22 20:46 13104 May 31 04:47 13104 Jun 19 13:46 13104 Jun 20 10:14 13104 Jun 28 18:37  13104 Jul 05 00:04 13104 Jul 05 00:39 13104 Jul 07 00:39 13104 Jul 17 14:43 13104 Jul 22 15:48 13104 Jul 26 12:48	0° \$\Pi 32'05 0° \$\Pi 17'48 30° \$\Boldon \Boldon \Bol	2°27'38 2°26'24 20°24'04 1.43886 AU -2°00'15 2°00'45	retrograde asc. node evening set min. Earth dist. inferior conj minimum elong morning rise  direct  morning max el desc. node greatest brilliancy  morning set max. Earth dist.  superior conj minimum elong evening rise  asc. node	13105 Apr 07 12:21 13105 Apr 12 14:16 13105 Apr 13 07:16 13105 Apr 13 07:16 13105 Apr 18 22:39 13105 Apr 18 20:33 13105 Apr 24 10:09 13105 Apr 24 13:24 13105 Apr 28 00:25 13105 May 01 16:14 13105 May 05 01:55 13105 May 15 17:35 13105 May 17 20:00 13105 May 24 20:00 13105 May 24 20:00 13105 May 29 15:34 13105 Jun 11 09:40 13105 Jun 13 04:00  13105 Jun 15 00:26 13105 Jun 15 00:26 13105 Jun 29 08:42 13105 Jul 01 15:25 13105 Jul 09 12:37	14°\855'05 13°\804'25 12°\830'33 7°\837'14 6°\800'00 6°\806'53 0°\805'29 30°\RY 28°\Y51'13 0°\8 2°\843'46 16°\821'40 19°\826'35 0°\P 7°\P23'04 27°\P13'05 0°\S 2°\S55'58 3°\S01'47 26°\S13'24 0°\R 12°\R51'00	0.67978 AU 1°52'03 1°50'54 19°20'09 -0.7m 1.45189 AU -2°13'11 2°14'10
evening set min. Earth dist. inferior conj minimum elong morning rise direct morning max el desc. node morning set max. Earth dist. superior conj minimum elong evening rise	13104 Apr 23 22:16 13104 Apr 25 16:52 13104 Apr 26 13:35 13104 Apr 29 05:28 13104 May 03 22:35 13104 May 04 16:01 13104 May 04 13:56 13104 May 09 22:25 13104 May 14 00:32 13104 May 21 22:32 13104 May 22 20:46 13104 May 31 04:47 13104 Jun 19 13:46 13104 Jun 20 10:14 13104 Jun 28 18:37  13104 Jul 05 00:04 13104 Jul 05 06:35 13104 Jul 07 00:39 13104 Jul 17 14:43 13104 Jul 22 15:48	0° \$\Pi\$32'05 0° \$\Pi\$17'48 30° \$\Boldon \Boldon \Bol	2°27'38 2°26'24 20°24'04 1.43886 AU -2°00'15	retrograde asc. node evening set min. Earth dist. inferior conj minimum elong morning rise  direct  morning max el desc. node greatest brilliancy  morning set max. Earth dist.  superior conj minimum elong evening rise	13105 Apr 07 12:21 13105 Apr 12 14:16 13105 Apr 13 07:16 13105 Apr 13 07:16 13105 Apr 18 22:39 13105 Apr 18 20:33 13105 Apr 24 10:09 13105 Apr 24 13:24 13105 Apr 28 00:25 13105 May 01 16:14 13105 May 05 01:55 13105 May 15 17:35 13105 May 17 20:00 13105 May 24 20:00 13105 May 29 15:34 13105 Jun 11 09:40 13105 Jun 15 00:26 13105 Jun 15 00:26 13105 Jun 15 00:26 13105 Jun 29 08:42 13105 Jul 01 15:25	14°\855'05 13°\804'25 12°\830'33 7°\837'14 6°\800'00 6°\806'53 0°\805'29 30°\RY 28°\Y51'13 0°\8 2°\843'46 16°\821'40 19°\826'35 0°\II 7°\II23'04 27°\II13'05 0°\\$ 2°\\$55'58 3°\\$01'47 26°\\$13'24 0°\R	0.67978 AU 1°52'03 1°50'54 19°20'09 -0.7m 1.45189 AU -2°13'11

evening set	13105 Jul 27 12:47	27° <b>Ω</b> 07'30		inferior conj	13106 Jul 17 05:45	5° <b>Ω</b> 07'14	
inferior conj	13105 Aug 02 11:37	21° <b>Ω</b> 42′29	2°25'34	minimum elong	13106 Jul 17 07:29	5° <b>Ω</b> 01'52	2°54'37
minimum elong	13105 Aug 02 14:04	21° <b>Ω</b> 35'30	2°24'16	min. Earth dist.	13106 Jul 19 01:58	2° <b>Ω</b> 49'48	0.65909 AU
min. Earth dist.	13105 Aug 04 22:20	18° <b>Ω</b> 55'39	0.64069 AU		13106 Jul 21 14:01	30° <b>ℝ</b> ∽	
morning rise	13105 Aug 08 13:49	15° <b>Ω</b> 24'42		morning rise	13106 Jul 22 22:29	28°9543'55	
desc. node	13105 Aug 11 16:12	13° <b>Ω</b> 32'07		direct	13106 Jul 29 07:01	26° <b>©</b> 03'15	
direct	13105 Aug 15 04:43	12° <b>Ω</b> 48'58		desc. node	13106 Jul 29 13:36	26° <b>©</b> 03'31	
morning max el	13105 Aug 28 23:21	20° <b>Ω</b> 48'58	27°35'41		13106 Aug 07 04:58	0°N	
morning man vi	13105 Sep 05 21:52	0° m)	27 30 .1	morning max el	13106 Aug 11 10:35	3° <b>Ω</b> 50'43	26°42'35
	13105 Sep 05 21:32 13105 Sep 25 09:09	0° <del>ت</del>		morning max ci	•	0°m)	20 42 33
	•				13106 Aug 31 07:14	-	
morning set	13105 Oct 03 00:39	14° <b>£</b> 23'28		morning set	13106 Sep 16 06:06	27° Tp 26'42	
asc. node	13105 Oct 05 14:16	19° <b>₾</b> 33'59			13106 Sep 17 14:08	0∘ <b>⊽</b>	
max. Earth dist.	13105 Oct 07 18:47	24° <b>≏</b> 06'06	1.32682 AU	max. Earth dist.	13106 Sep 20 08:12	5° <b>≏</b> 24'00	1.34187 AU
	13105 Oct 10 13:25	$0^{\circ}$ M		asc. node	13106 Sep 22 10:53	9° <b>ჲ</b> 39'22	
superior conj	13105 Oct 11 00:52	1°M01'32	0°50'10	superior conj	13106 Sep 25 00:48	14° <b>≏</b> 58'27	0°24'22
minimum elong	13105 Oct 10 22:46	0° <b>ጤ</b> 50'14	0°50'13	minimum elong	13106 Sep 24 23:32	14° <b>≏</b> 51'52	0°24'17
evening rise	13105 Oct 17 23:51	16°ML05'32		evening rise	13106 Oct 02 09:44	0°M32'01	
	13105 Oct 24 19:47	0° <b>∡</b> ¹			13106 Oct 02 03:39	0° <b>M</b> ₊	
desc. node	13105 Nov 07 12:33	20° <b>∡</b> ¹46′27			13106 Oct 19 09:33	0° <b>∡</b> ¹	
evening max el	13105 Nov 09 10:36	22° <b>∡</b> ¹45'37	22°55'17	evening max el	13106 Oct 22 02:08	2° <b>∡</b> 56′27	21°18'03
retrograde	13105 Nov 22 14:13	29° <b>х</b> 17′31		desc. node	13106 Oct 25 09:54	5° <b>х</b> 47′00	
evening set	13105 Nov 26 14:10	28° <b>×</b> 42'46		retrograde	13106 Nov 03 01:50	8° <b>×</b> 17 00	
min. Earth dist.	13105 Dec 03 19:32	25° × 124'16	0.54958 AU	evening set	13106 Nov 05 01:30	8°×33'32'	
		24° <b>x</b> 42'26		•	13106 Nov 14 16:41	4° <b>×</b> <sup>7</sup> 43'13	5022126
inferior conj	13105 Dec 05 00:50			inferior conj			
minimum elong	13105 Dec 05 00:30	24° 🖈 42'54	5°54'38	minimum elong	13106 Nov 14 08:19	4° <b>√</b> 54'58	
morning rise	13105 Dec 13 12:18	20° <b>⋌</b> ′53'31		min. Earth dist.	13106 Nov 15 01:34	4° <b>⋌</b> ³30'42	0.54518 AU
direct	13105 Dec 16 13:34	20° <b>⋌</b> 31'49 –		morning rise	13106 Nov 22 23:04	0° <b>∡</b> ′53′28	
morning max el	13105 Dec 27 22:18	25° <b>₹</b> 57'02	20°54'54	direct	13106 Nov 26 21:15	0° <b>∡</b> °20′19	
	13105 Dec 31 14:46	0°₹		morning max el	13106 Dec 09 15:42	6° <b>∡</b> ¹28'06	22°35'03
asc. node	13106 Jan 01 14:41	1° <b>る</b> 16'33		asc. node	13106 Dec 19 11:47	18° <b>∡</b> 54′24	
morning set	13106 Jan 16 07:19	27°る17'21			13106 Dec 25 19:49	o°る	
	13106 Jan 17 14:35	0° <b>≈</b>		morning set	13106 Dec 31 18:19	12° <b>る</b> 03'21	
superior conj	13106 Jan 23 16:28	12° <b>≈</b> 39'25	1°18'54	superior conj	13107 Jan 07 18:21	27° <b>පි</b> 03'29	1°31'32
superior conj minimum elong	13106 Jan 23 16:28 13106 Jan 23 18:57	12°≈39'25 12°≈52'09	1°18'54 1°19'26		13107 Jan 07 18:21 13107 Jan 07 19:58	27° <b>ට</b> 03'29 27°ට12'05	1°31'32 1°32'22
				superior conj minimum elong			
minimum elong max. Earth dist.	13106 Jan 23 18:57 13106 Jan 28 16:13	12°≈52'09 22°≈40'00	1°19'26	minimum elong	13107 Jan 07 19:58	27° <b>පි</b> 12'05 0°≈	1°32'22
minimum elong	13106 Jan 23 18:57 13106 Jan 28 16:13 13106 Feb 01 15:04	12°≈52'09 22°≈40'00 0°¥12'08	1°19'26	minimum elong max. Earth dist.	13107 Jan 07 19:58 13107 Jan 09 03:40 13107 Jan 11 07:44	27° <b>ප</b> 12'05 0°≈ 4°≈31'33	
minimum elong max. Earth dist. evening rise	13106 Jan 23 18:57 13106 Jan 28 16:13 13106 Feb 01 15:04 13106 Feb 01 12:28	12°≈52'09 22°≈40'00 0°¥12'08 0°¥	1°19'26	minimum elong max. Earth dist. evening rise	13107 Jan 07 19:58 13107 Jan 09 03:40 13107 Jan 11 07:44 13107 Jan 15 20:06	27° <b>ජ</b> 12'05 0°≈ 4°≈31'33 13°≈35'44	1°32'22
minimum elong max. Earth dist.	13106 Jan 23 18:57 13106 Jan 28 16:13 13106 Feb 01 15:04 13106 Feb 01 12:28 13106 Feb 03 12:07	12°≈52'09 22°≈40'00 0°升12'08 0°升 3°升39'05	1°19'26	minimum elong max. Earth dist.	13107 Jan 07 19:58 13107 Jan 09 03:40 13107 Jan 11 07:44 13107 Jan 15 20:06 13107 Jan 21 08:49	27°♂12'05 0°≈ 4°≈31'33 13°≈35'44 23°≈58'16	1°32'22
minimum elong max. Earth dist. evening rise desc. node	13106 Jan 23 18:57 13106 Jan 28 16:13 13106 Feb 01 15:04 13106 Feb 01 12:28 13106 Feb 03 12:07 13106 Feb 19 14:58	12°≈52'09 22°≈40'00 0°¥12'08 0°¥ 3°¥39'05 0° <b>Y</b>	1°19'26 1.35666 AU	minimum elong max. Earth dist. evening rise	13107 Jan 07 19:58 13107 Jan 09 03:40 13107 Jan 11 07:44 13107 Jan 15 20:06 13107 Jan 21 08:49 13107 Jan 24 19:12	27°♂12'05 0°≈ 4°≈31'33 13°≈35'44 23°≈58'16 0°⊁	1°32'22
minimum elong max. Earth dist. evening rise desc. node evening max el	13106 Jan 23 18:57 13106 Jan 28 16:13 13106 Feb 01 15:04 13106 Feb 01 12:28 13106 Feb 03 12:07 13106 Feb 19 14:58 13106 Mar 09 00:57	12°≈52'09 22°≈40'00 0°¥12'08 0°¥ 3°¥39'05 0°Ψ 21°¥45'33	1°19'26	minimum elong max. Earth dist. evening rise desc. node	13107 Jan 07 19:58 13107 Jan 09 03:40 13107 Jan 11 07:44 13107 Jan 15 20:06 13107 Jan 21 08:49 13107 Jan 24 19:12 13107 Feb 14 13:16	27°♂12'05 0°≈ 4°≈31'33 13°≈35'44 23°≈58'16 0°升 0°°	1°32'22 1.33864 AU
minimum elong max. Earth dist. evening rise desc. node evening max el retrograde	13106 Jan 23 18:57 13106 Jan 28 16:13 13106 Feb 01 15:04 13106 Feb 01 12:28 13106 Feb 03 12:07 13106 Feb 19 14:58 13106 Mar 09 00:57 13106 Mar 21 21:24	12°≈52'09 22°≈40'00 0° ₭ 12'08 0° ₭ 3° ₭ 39'05 0° Ŷ 21° Ŷ 45'33 29° Ŷ '03'45	1°19'26 1.35666 AU	minimum elong max. Earth dist. evening rise desc. node evening max el	13107 Jan 07 19:58 13107 Jan 09 03:40 13107 Jan 11 07:44 13107 Jan 15 20:06 13107 Jan 21 08:49 13107 Jan 24 19:12 13107 Feb 14 13:16 13107 Feb 19 14:26	27°♂12'05 0°≈ 4°≈31'33 13°≈35'44 23°≈58'16 0°¥ 0°Y 5°Y'22'43	1°32'22
minimum elong max. Earth dist. evening rise  desc. node  evening max el retrograde evening set	13106 Jan 23 18:57 13106 Jan 28 16:13 13106 Feb 01 15:04 13106 Feb 03 12:07 13106 Feb 19 14:58 13106 Mar 09 00:57 13106 Mar 21 21:24 13106 Mar 28 03:22	12°≈52'09 22°≈40'00 0° ₭ 12'08 0° ₭ 3° ₭ 39'05 0° Ŷ 21° Ŷ 45'33 29° Ŷ 03'45 26° Ŷ 32'37	1°19'26 1.35666 AU	minimum elong max. Earth dist. evening rise desc. node evening max el retrograde	13107 Jan 07 19:58 13107 Jan 09 03:40 13107 Jan 11 07:44 13107 Jan 15 20:06 13107 Jan 21 08:49 13107 Jan 24 19:12 13107 Feb 14 13:16 13107 Feb 19 14:26 13107 Mar 05 00:35	27°♂12'05 0°≈ 4°≈31'33 13°≈35'44 23°≈58'16 0°¥ 0°Y 5°Y22'43 12°Y49'23	1°32'22 1.33864 AU
minimum elong max. Earth dist. evening rise  desc. node  evening max el retrograde evening set asc. node	13106 Jan 23 18:57 13106 Jan 28 16:13 13106 Feb 01 15:04 13106 Feb 03 12:07 13106 Feb 19 14:58 13106 Mar 09 00:57 13106 Mar 21 21:24 13106 Mar 28 03:22 13106 Mar 30 11:41	12°≈52'09 22°≈40'00 0° ₭ 12'08 0° ₭ 3° ₭ 39'05 0° ❤ 21° ❤ 45'33 29° ❤ 03'45 26° ❤ 32'37 24° ❤ 17'55	1°19'26 1.35666 AU 26°18'04	minimum elong max. Earth dist. evening rise desc. node  evening max el retrograde evening set	13107 Jan 07 19:58 13107 Jan 09 03:40 13107 Jan 11 07:44 13107 Jan 15 20:06 13107 Jan 21 08:49 13107 Jan 24 19:12 13107 Feb 14 13:16 13107 Feb 19 14:26 13107 Mar 05 00:35 13107 Mar 11 15:45	27°♂12'05 0°≈ 4°≈31'33 13°≈35'44 23°≈58'16 0°¥ 0°Y 5°Y22'43 12°Y49'23 10°Y17'06	1°32'22 1.33864 AU 27°07'26
minimum elong max. Earth dist. evening rise  desc. node  evening max el retrograde evening set	13106 Jan 23 18:57 13106 Jan 28 16:13 13106 Feb 01 15:04 13106 Feb 03 12:07 13106 Feb 19 14:58 13106 Mar 09 00:57 13106 Mar 21 21:24 13106 Mar 28 03:22 13106 Mar 30 11:41 13106 Apr 01 06:41	12°≈52'09 22°≈40'00 0° ₭ 12'08 0° ₭ 3° ₭ 39'05 0° ❤ 21° ❤ 45'33 29° ❤ 03'45 26° ❤ 32'37 24° ❤ 17'55 22° ❤ 14'25	1°19'26 1.35666 AU 26°18'04 0.66868 AU	minimum elong max. Earth dist. evening rise desc. node evening max el retrograde	13107 Jan 07 19:58 13107 Jan 09 03:40 13107 Jan 11 07:44 13107 Jan 15 20:06 13107 Jan 21 08:49 13107 Jan 24 19:12 13107 Feb 14 13:16 13107 Feb 19 14:26 13107 Mar 05 00:35 13107 Mar 11 15:45 13107 Mar 15 13:56	27°♂12'05 0°≈ 4°≈31'33 13°≈35'44 23°≈58'16 0°¥ 0°Y 5°Y22'43 12°Y49'23 10°Y17'06 6°Y32'12	1°32'22 1.33864 AU
minimum elong max. Earth dist. evening rise  desc. node  evening max el retrograde evening set asc. node	13106 Jan 23 18:57 13106 Jan 28 16:13 13106 Feb 01 15:04 13106 Feb 03 12:07 13106 Feb 03 12:07 13106 Feb 19 14:58 13106 Mar 09 00:57 13106 Mar 21 21:24 13106 Mar 28 03:22 13106 Mar 30 11:41 13106 Apr 01 06:41 13106 Apr 03 00:52	12°≈52'09 22°≈40'00 0° ₭ 12'08 0° ₭ 3° ₭ 39'05 0° Ŷ 21° Ŷ 45'33 29° Ŷ 03'45 26° Ŷ 32'37 24° Ŷ 17'55 22° Ŷ 14'25 20° Ŷ 05'22	1°19'26 1.35666 AU 26°18'04 0.66868 AU 1°06'00	minimum elong max. Earth dist. evening rise desc. node  evening max el retrograde evening set	13107 Jan 07 19:58 13107 Jan 09 03:40 13107 Jan 11 07:44 13107 Jan 15 20:06 13107 Jan 21 08:49 13107 Jan 24 19:12 13107 Feb 14 13:16 13107 Feb 19 14:26 13107 Mar 05 00:35 13107 Mar 11 15:45	27°♂12'05 0°≈ 4°≈31'33 13°≈35'44 23°≈58'16 0°¥ 0°Y 5°Y22'43 12°Y49'23 10°Y17'06 6°Y32'12 4°Y30'52	1°32'22 1.33864 AU 27°07'26 0.65364 AU
minimum elong max. Earth dist. evening rise  desc. node  evening max el retrograde evening set asc. node min. Earth dist.	13106 Jan 23 18:57 13106 Jan 28 16:13 13106 Feb 01 15:04 13106 Feb 03 12:07 13106 Feb 19 14:58 13106 Mar 09 00:57 13106 Mar 21 21:24 13106 Mar 28 03:22 13106 Mar 30 11:41 13106 Apr 01 06:41	12°≈52'09 22°≈40'00 0° ₭ 12'08 0° ₭ 3° ₭ 39'05 0° ❤ 21° ❤ 45'33 29° ❤ 03'45 26° ❤ 32'37 24° ❤ 17'55 22° ❤ 14'25	1°19'26 1.35666 AU 26°18'04 0.66868 AU	minimum elong  max. Earth dist. evening rise desc. node  evening max el retrograde evening set min. Earth dist.	13107 Jan 07 19:58 13107 Jan 09 03:40 13107 Jan 11 07:44 13107 Jan 15 20:06 13107 Jan 21 08:49 13107 Jan 24 19:12 13107 Feb 14 13:16 13107 Feb 19 14:26 13107 Mar 05 00:35 13107 Mar 11 15:45 13107 Mar 15 13:56	27°♂12'05 0°≈ 4°≈31'33 13°≈35'44 23°≈58'16 0°¥ 0°Y 5°Y22'43 12°Y49'23 10°Y17'06 6°Y32'12	1°32'22 1.33864 AU 27°07'26
minimum elong max. Earth dist. evening rise  desc. node  evening max el retrograde evening set asc. node min. Earth dist. inferior conj	13106 Jan 23 18:57 13106 Jan 28 16:13 13106 Feb 01 15:04 13106 Feb 03 12:07 13106 Feb 03 12:07 13106 Feb 19 14:58 13106 Mar 09 00:57 13106 Mar 21 21:24 13106 Mar 28 03:22 13106 Mar 30 11:41 13106 Apr 01 06:41 13106 Apr 03 00:52	12°≈52'09 22°≈40'00 0° ₭ 12'08 0° ₭ 3° ₭ 39'05 0° Ŷ 21° Ŷ 45'33 29° Ŷ 03'45 26° Ŷ 32'37 24° Ŷ 17'55 22° Ŷ 14'25 20° Ŷ 05'22	1°19'26 1.35666 AU 26°18'04 0.66868 AU 1°06'00	minimum elong  max. Earth dist. evening rise desc. node  evening max el retrograde evening set min. Earth dist. asc. node	13107 Jan 07 19:58 13107 Jan 09 03:40 13107 Jan 11 07:44 13107 Jan 15 20:06 13107 Jan 21 08:49 13107 Jan 24 19:12 13107 Feb 14 13:16 13107 Feb 19 14:26 13107 Mar 05 00:35 13107 Mar 11 15:45 13107 Mar 15 13:56 13107 Mar 17 09:09	27°♂12'05 0°≈ 4°≈31'33 13°≈35'44 23°≈58'16 0°¥ 0°Y 5°Y22'43 12°Y49'23 10°Y17'06 6°Y32'12 4°Y30'52	1°32'22 1.33864 AU 27°07'26 0.65364 AU
minimum elong max. Earth dist. evening rise  desc. node  evening max el retrograde evening set asc. node min. Earth dist. inferior conj minimum elong	13106 Jan 23 18:57 13106 Jan 28 16:13 13106 Feb 01 15:04 13106 Feb 01 12:28 13106 Feb 03 12:07 13106 Feb 19 14:58 13106 Mar 09 00:57 13106 Mar 21 21:24 13106 Mar 28 03:22 13106 Mar 30 11:41 13106 Apr 01 06:41 13106 Apr 03 00:52 13106 Apr 02 23:19	12°≈52'09 22°≈40'00 0° ₭ 12'08 0° ₭ 3° ₭ 39'05 0° Ŷ 21° Ŷ 45'33 29° Ŷ 03'45 26° Ŷ 32'37 24° Ŷ 17'55 22° Ŷ 14'25 20° Ŷ 05'22 20° Ŷ 10'07	1°19'26 1.35666 AU 26°18'04 0.66868 AU 1°06'00	minimum elong  max. Earth dist. evening rise desc. node  evening max el retrograde evening set min. Earth dist. asc. node inferior conj	13107 Jan 07 19:58 13107 Jan 09 03:40 13107 Jan 11 07:44 13107 Jan 15 20:06 13107 Jan 21 08:49 13107 Jan 24 19:12 13107 Feb 14 13:16 13107 Feb 19 14:26 13107 Mar 05 00:35 13107 Mar 11 15:45 13107 Mar 15 13:56 13107 Mar 17 09:09 13107 Mar 17 20:17	27°512'05 0°≈ 4°≈31'33 13°≈35'44 23°≈58'16 0°¥ 0°Y 5°Y22'43 12°Y49'23 10°Y17'06 6°Y32'12 4°Y30'52 3°Y59'22	1°32'22 1.33864 AU 27°07'26 0.65364 AU 0°08'56
minimum elong max. Earth dist. evening rise  desc. node  evening max el retrograde evening set asc. node min. Earth dist. inferior conj minimum elong morning rise direct	13106 Jan 23 18:57 13106 Jan 28 16:13 13106 Feb 01 15:04 13106 Feb 01 12:28 13106 Feb 03 12:07 13106 Feb 19 14:58 13106 Mar 09 00:57 13106 Mar 21 21:24 13106 Mar 28 03:22 13106 Mar 30 11:41 13106 Apr 01 06:41 13106 Apr 03 00:52 13106 Apr 02 23:19 13106 Apr 08 20:07 13106 Apr 11 23:31	12°≈52'09 22°≈40'00 0° ₭ 12'08 0° ₭ 3° ₭ 39'05 0° Ŷ 21° Ŷ 45'33 29° Ŷ 03'45 26° Ŷ 32'37 24° Ŷ 17'55 22° Ŷ 14'25 20° Ŷ 05'22 20° Ŷ 10'07 14° Ŷ 21'24 13° Ŷ 25'39	1°19'26 1.35666 AU 26°18'04 0.66868 AU 1°06'00	minimum elong  max. Earth dist. evening rise desc. node  evening max el retrograde evening set min. Earth dist. asc. node inferior conj minimum elong transit middle	13107 Jan 07 19:58 13107 Jan 09 03:40 13107 Jan 11 07:44 13107 Jan 15 20:06 13107 Jan 21 08:49 13107 Jan 24 19:12 13107 Feb 14 13:16 13107 Mar 05 00:35 13107 Mar 11 15:45 13107 Mar 15 13:56 13107 Mar 17 09:09 13107 Mar 17 20:17 13107 Mar 17 20:02	27°♂12'05 0°≈ 4°≈31'33 13°≈35'44 23°≈58'16 0°¥ 0°Y 5°Y22'43 12°Y49'23 10°Y17'06 6°Y32'12 4°Y30'52 3°Y59'22 4°Y00'05	1°32'22 1.33864 AU 27°07'26 0.65364 AU 0°08'56 0°08'52
minimum elong max. Earth dist. evening rise  desc. node  evening max el retrograde evening set asc. node min. Earth dist. inferior conj minimum elong morning rise	13106 Jan 23 18:57 13106 Jan 28 16:13 13106 Feb 01 15:04 13106 Feb 01 12:28 13106 Feb 03 12:07 13106 Feb 19 14:58 13106 Mar 09 00:57 13106 Mar 21 21:24 13106 Mar 28 03:22 13106 Mar 30 11:41 13106 Apr 01 06:41 13106 Apr 01 06:41 13106 Apr 02 23:19 13106 Apr 08 20:07 13106 Apr 11 23:31 13106 Apr 18 12:26	12°≈52'09 22°≈40'00 0° ₭ 12'08 0° ₭ 3° ₭ 39'05 0° Ŷ 21° Ŷ 45'33 29° Ŷ 03'45 26° Ŷ 32'37 24° Ŷ 17'55 22° Ŷ 14'25 20° Ŷ 10'07 14° Ŷ 21'24 13° Ŷ 25'39 16° Ŷ 55'01	1°19'26 1.35666 AU 26°18'04 0.66868 AU 1°06'00 1°05'10	minimum elong  max. Earth dist. evening rise desc. node  evening max el retrograde evening set min. Earth dist. asc. node inferior conj minimum elong transit middle transit begin	13107 Jan 07 19:58 13107 Jan 09 03:40 13107 Jan 11 07:44 13107 Jan 15 20:06 13107 Jan 21 08:49 13107 Jan 24 19:12 13107 Feb 14 13:16 13107 Feb 19 14:26 13107 Mar 05 00:35 13107 Mar 11 15:45 13107 Mar 15 13:56 13107 Mar 17 09:09 13107 Mar 17 20:17 13107 Mar 17 20:02 13107 Mar 17 20:02 13107 Mar 17 17:31	27°512'05 0°≈ 4°≈31'33 13°≈35'44 23°≈58'16 0°¥ 0°Y 5°Y22'43 12°Y49'23 10°Y17'06 6°Y32'12 4°Y30'52 3°Y59'22 4°Y00'05 4°Y00'05 4°Y07'09	1°32'22 1.33864 AU 27°07'26 0.65364 AU 0°08'56 0°08'52
minimum elong max. Earth dist. evening rise  desc. node  evening max el retrograde evening set asc. node min. Earth dist. inferior conj minimum elong morning rise direct morning max el	13106 Jan 23 18:57 13106 Jan 28 16:13 13106 Feb 01 15:04 13106 Feb 01 12:28 13106 Feb 03 12:07 13106 Feb 19 14:58 13106 Mar 09 00:57 13106 Mar 21 21:24 13106 Mar 28 03:22 13106 Mar 30 11:41 13106 Apr 01 06:41 13106 Apr 03 00:52 13106 Apr 02 23:19 13106 Apr 08 20:07 13106 Apr 11 23:31 13106 Apr 18 12:26 13106 Apr 28 12:05	12°≈52'09 22°≈40'00 0° ₭ 12'08 0° ₭ 3° ₭ 39'05 0° Ŷ 21° Ŷ 45'33 29° Ŷ 03'45 26° Ŷ 32'37 24° Ŷ 17'55 22° Ŷ 14'25 20° Ŷ 05'22 20° Ŷ 10'07 14° Ŷ 21'24 13° Ŷ 25'39 16° Ŷ 55'01 0° ₭	1°19'26 1.35666 AU 26°18'04 0.66868 AU 1°06'00 1°05'10	minimum elong  max. Earth dist. evening rise desc. node  evening max el retrograde evening set min. Earth dist. asc. node inferior conj minimum elong transit middle	13107 Jan 07 19:58 13107 Jan 09 03:40 13107 Jan 11 07:44 13107 Jan 15 20:06 13107 Jan 21 08:49 13107 Jan 24 19:12 13107 Feb 14 13:16 13107 Feb 19 14:26 13107 Mar 05 00:35 13107 Mar 11 15:45 13107 Mar 17 15:45 13107 Mar 17 20:17 13107 Mar 17 20:02 13107 Mar 17 20:02 13107 Mar 17 17:31 13107 Mar 17 22:32	27°512'05 0°≈ 4°≈31'33 13°≈35'44 23°≈58'16 0°¥ 0°Y 5°Y22'43 12°Y49'23 10°Y17'06 6°Y32'12 4°Y30'52 3°Y59'22 4°Y00'05 4°Y00'05 4°Y07'09 3°Y53'01	1°32'22 1.33864 AU 27°07'26 0.65364 AU 0°08'56 0°08'52
minimum elong max. Earth dist. evening rise  desc. node  evening max el retrograde evening set asc. node min. Earth dist. inferior conj minimum elong morning rise direct morning max el  desc. node	13106 Jan 23 18:57 13106 Jan 28 16:13 13106 Feb 01 15:04 13106 Feb 01 12:28 13106 Feb 03 12:07 13106 Feb 19 14:58 13106 Mar 09 00:57 13106 Mar 21 21:24 13106 Mar 28 03:22 13106 Mar 30 11:41 13106 Apr 01 06:41 13106 Apr 01 06:41 13106 Apr 02 23:19 13106 Apr 02 23:19 13106 Apr 11 23:31 13106 Apr 18 12:26 13106 Apr 28 12:05 13106 May 02 14:19	12°≈52'09 22°≈40'00 0° ₭ 12'08 0° ₭ 3° ₭ 39'05 0° Ŷ 21° Ŷ 45'33 29° Ŷ 03'45 26° Ŷ 32'37 24° Ŷ 17'55 22° Ŷ 14'25 20° Ŷ 05'22 20° Ŷ 10'07 14° Ŷ 21'24 13° Ŷ 25'39 16° Ŷ 55'01 0° ♉ 6° ♉ 16'55	1°19'26 1.35666 AU 26°18'04 0.66868 AU 1°06'00 1°05'10	minimum elong  max. Earth dist. evening rise desc. node  evening max el retrograde evening set min. Earth dist. asc. node inferior conj minimum elong transit middle transit begin transit end	13107 Jan 07 19:58 13107 Jan 09 03:40 13107 Jan 11 07:44 13107 Jan 15 20:06 13107 Jan 21 08:49 13107 Jan 24 19:12 13107 Feb 14 13:16 13107 Feb 19 14:26 13107 Mar 05 00:35 13107 Mar 11 15:45 13107 Mar 17 13:56 13107 Mar 17 20:02 13107 Mar 17 20:02 13107 Mar 17 20:02 13107 Mar 17 17:31 13107 Mar 17 22:32 13107 Mar 21 18:30	27° ₹12'05 0° ≈ 4° ≈ 31'33 13° ≈ 35'44 23° ≈ 58'16 0° ¥ 0° ¥ 0° ¥ 12° ¥49'23 10° ¥17'06 6° ¥32'12 4° ¥30'52 3° ¥59'22 4° ¥00'05 4° ¥00'05 4° ¥00'05 4° ¥07'09 3° ¥53'01 30° ₹}	1°32'22 1.33864 AU 27°07'26 0.65364 AU 0°08'56 0°08'52
minimum elong max. Earth dist. evening rise  desc. node  evening max el retrograde evening set asc. node min. Earth dist. inferior conj minimum elong morning rise direct morning max el	13106 Jan 23 18:57 13106 Jan 28 16:13 13106 Feb 01 15:04 13106 Feb 01 12:28 13106 Feb 03 12:07 13106 Feb 19 14:58 13106 Mar 09 00:57 13106 Mar 21 21:24 13106 Mar 28 03:22 13106 Mar 30 11:41 13106 Apr 01 06:41 13106 Apr 03 00:52 13106 Apr 02 23:19 13106 Apr 08 20:07 13106 Apr 11 23:31 13106 Apr 18 12:26 13106 Apr 28 12:05 13106 May 02 14:19 13106 May 09 09:49	12°≈52'09 22°≈40'00 0° ₭ 12'08 0° ₭ 3° ₭ 39'05 0° Ŷ 21° Ŷ 45'33 29° Ŷ 03'45 26° Ŷ 32'37 24° Ŷ 17'55 22° Ŷ 14'25 20° Ŷ 05'22 20° Ŷ 10'07 14° Ŷ 21'24 13° Ŷ 25'39 16° Ŷ 55'01 0° ႘ 6° ႘ 16'55 16° ႘ 58'06	1°19'26 1.35666 AU 26°18'04 0.66868 AU 1°06'00 1°05'10	minimum elong  max. Earth dist. evening rise desc. node  evening max el retrograde evening set min. Earth dist. asc. node inferior conj minimum elong transit middle transit begin transit end  morning rise	13107 Jan 07 19:58 13107 Jan 09 03:40 13107 Jan 11 07:44 13107 Jan 15 20:06 13107 Jan 21 08:49 13107 Jan 24 19:12 13107 Feb 14 13:16 13107 Feb 19 14:26 13107 Mar 05 00:35 13107 Mar 11 15:45 13107 Mar 17 13:56 13107 Mar 17 20:02 13107 Mar 17 20:02 13107 Mar 17 20:02 13107 Mar 17 17:31 13107 Mar 17 22:32 13107 Mar 21 18:30 13107 Mar 24 01:53	27° ₹12'05 0° ≈ 4° ≈ 31'33 13° ≈ 35'44 23° ≈ 58'16 0° ¥ 0° Ŷ 5° Ŷ 22'43 12° Ŷ 49'23 10° Ŷ 17'06 6° Ŷ 32'12 4° Ŷ 30'52 3° Ŷ 59'22 4° Ŷ 00'05 4° Ŷ 00'05 4° Ŷ 00'05 4° Ŷ 07'09 3° Ŷ 53'01 30° R ¥ 28° ¥ 28'00	1°32'22 1.33864 AU 27°07'26 0.65364 AU 0°08'56 0°08'52
minimum elong max. Earth dist. evening rise  desc. node  evening max el retrograde evening set asc. node min. Earth dist. inferior conj minimum elong morning rise direct morning max el  desc. node	13106 Jan 23 18:57 13106 Jan 28 16:13 13106 Feb 01 15:04 13106 Feb 01 12:28 13106 Feb 03 12:07 13106 Feb 19 14:58 13106 Mar 09 00:57 13106 Mar 21 21:24 13106 Mar 28 03:22 13106 Mar 30 11:41 13106 Apr 01 06:41 13106 Apr 01 06:41 13106 Apr 02 23:19 13106 Apr 02 23:19 13106 Apr 11 23:31 13106 Apr 18 12:26 13106 Apr 28 12:05 13106 May 02 14:19	12°≈52'09 22°≈40'00 0° ₭ 12'08 0° ₭ 3° ₭ 39'05 0° Ŷ 21° Ŷ 45'33 29° Ŷ 03'45 26° Ŷ 32'37 24° Ŷ 17'55 22° Ŷ 14'25 20° Ŷ 05'22 20° Ŷ 10'07 14° Ŷ 21'24 13° Ŷ 25'39 16° Ŷ 55'01 0° ♉ 6° ♉ 16'55	1°19'26 1.35666 AU 26°18'04 0.66868 AU 1°06'00 1°05'10	minimum elong  max. Earth dist. evening rise desc. node  evening max el retrograde evening set min. Earth dist. asc. node inferior conj minimum elong transit middle transit begin transit end	13107 Jan 07 19:58 13107 Jan 09 03:40 13107 Jan 11 07:44 13107 Jan 15 20:06 13107 Jan 21 08:49 13107 Jan 24 19:12 13107 Feb 14 13:16 13107 Mar 05 00:35 13107 Mar 11 15:45 13107 Mar 15 13:56 13107 Mar 17 20:02 13107 Mar 17 20:02 13107 Mar 17 17:31 13107 Mar 17 17:31 13107 Mar 17 17:31 13107 Mar 24 01:53 13107 Mar 24 01:53 13107 Mar 26 19:37	27° ₹12'05 0° ≈ 4° ≈31'33 13° ≈35'44 23° ≈58'16 0° ¥ 0° Ŷ 5° Ŷ22'43 12° Ŷ49'23 10° Ŷ17'06 6° Ŷ32'12 4° Ŷ30'52 3° Ŷ59'22 4° Ŷ00'05 4° Ŷ00'05 4° Ŷ07'09 3° Ŷ53'01 30° ₹ ¥28'00 27° ¥47'52	1°32'22 1.33864 AU 27°07'26 0.65364 AU 0°08'56 0°08'52
minimum elong max. Earth dist. evening rise  desc. node  evening max el retrograde evening set asc. node min. Earth dist. inferior conj minimum elong morning rise direct morning max el  desc. node morning set	13106 Jan 23 18:57 13106 Jan 28 16:13 13106 Feb 01 15:04 13106 Feb 01 12:28 13106 Feb 03 12:07 13106 Feb 19 14:58 13106 Mar 09 00:57 13106 Mar 21 21:24 13106 Mar 28 03:22 13106 Mar 30 11:41 13106 Apr 01 06:41 13106 Apr 03 00:52 13106 Apr 02 23:19 13106 Apr 08 20:07 13106 Apr 11 23:31 13106 Apr 18 12:26 13106 Apr 28 12:05 13106 May 09 09:49 13106 May 09 09:49 13106 May 17 17:03	12°≈52'09 22°≈40'00 0° ₭ 12'08 0° ₭ 3° ₭ 39'05 0° Ŷ 21° Ŷ 45'33 29° Ŷ 03'45 26° Ŷ 32'37 24° Ŷ 17'55 22° Ŷ 14'25 20° Ŷ 10'07 14° Ŷ 21'24 13° Ŷ 25'39 16° Ŷ 55'01 0° ႘ 6° ႘ 16'55 16° ႘ 58'06 0° Ⅱ	1°19'26 1.35666 AU 26°18'04 0.66868 AU 1°06'00 1°05'10 18°32'15	minimum elong  max. Earth dist. evening rise desc. node  evening max el retrograde evening set min. Earth dist. asc. node inferior conj minimum elong transit middle transit begin transit end  morning rise direct	13107 Jan 07 19:58 13107 Jan 09 03:40 13107 Jan 11 07:44 13107 Jan 15 20:06 13107 Jan 21 08:49 13107 Jan 24 19:12 13107 Feb 14 13:16 13107 Mar 05 00:35 13107 Mar 15 13:56 13107 Mar 17 09:09 13107 Mar 17 20:02 13107 Mar 17 20:02 13107 Mar 17 17:31 13107 Mar 17 17:31 13107 Mar 17 17:31 13107 Mar 17 12:32 13107 Mar 24 01:53 13107 Mar 26 19:37 13107 Mar 31 22:17	27° ₹12'05 0° ≈ 4° ≈ 31'33 13° ≈ 35'44 23° ≈ 58'16 0° ¥ 0° Ŷ 5° Ŷ 22'43 12° Ŷ 49'23 10° Ŷ 17'06 6° Ŷ 32'12 4° Ŷ 30'52 3° Ŷ 59'22 4° Ŷ 00'05 4° Ŷ 00'05 4° Ŷ 00'05 4° Ŷ 00'05 4° Ŷ 00'05 28° ¥ 28'00 27° ¥ 47'52 0° Ŷ	1°32'22 1.33864 AU 27°07'26 0.65364 AU 0°08'56 0°08'52 0°08'52
minimum elong max. Earth dist. evening rise  desc. node  evening max el retrograde evening set asc. node min. Earth dist. inferior conj minimum elong morning rise direct morning max el  desc. node morning set	13106 Jan 23 18:57 13106 Jan 28 16:13 13106 Feb 01 15:04 13106 Feb 01 12:28 13106 Feb 03 12:07 13106 Feb 19 14:58 13106 Mar 09 00:57 13106 Mar 21 21:24 13106 Mar 28 03:22 13106 Mar 30 11:41 13106 Apr 01 06:41 13106 Apr 03 00:52 13106 Apr 02 23:19 13106 Apr 08 20:07 13106 Apr 11 23:31 13106 Apr 18 12:26 13106 Apr 28 12:05 13106 May 09 09:49 13106 May 09 09:49 13106 May 17 17:03	12°≈52'09 22°≈40'00 0° ₭ 12'08 0° ₭ 3° ₭ 39'05 0° Ŷ 21° Ŷ 45'33 29° Ŷ 03'45 26° Ŷ 32'37 24° Ŷ 17'55 22° Ŷ 14'25 20° Ŷ 05'22 20° Ŷ 10'07 14° Ŷ 21'24 13° Ŷ 25'39 16° Ŷ 55'01 0° ႘ 6° ႘ 16'55 16° ႘ 58'06 0° Ⅱ	1°19'26 1.35666 AU 26°18'04 0.66868 AU 1°06'00 1°05'10 18°32'15	minimum elong  max. Earth dist. evening rise desc. node  evening max el retrograde evening set min. Earth dist. asc. node inferior conj minimum elong transit middle transit begin transit end  morning rise direct morning max el	13107 Jan 07 19:58 13107 Jan 09 03:40 13107 Jan 11 07:44 13107 Jan 15 20:06 13107 Jan 21 08:49 13107 Jan 24 19:12 13107 Feb 14 13:16 13107 Mar 05 00:35 13107 Mar 11 15:45 13107 Mar 15 13:56 13107 Mar 17 20:02 13107 Mar 17 20:02 13107 Mar 17 20:02 13107 Mar 17 17:31 13107 Mar 17 17:31 13107 Mar 17 22:32 13107 Mar 24 01:53 13107 Mar 26 19:37 13107 Mar 31 22:17 13107 Mar 31 22:17	27°512'05 0°≈ 4°≈31'33 13°≈35'44 23°≈58'16 0°¥ 0°Y 5°Y22'43 12°Y49'23 10°Y17'06 6°Y32'12 4°Y30'52 3°Y59'22 4°Y00'05 4°Y00'05 4°Y00'05 4°Y07'09 3°Y53'01 30°R¥ 28°¥28'00 27°¥47'52 0°Y 1°Y06'39	1°32'22 1.33864 AU 27°07'26 0.65364 AU 0°08'56 0°08'52
minimum elong max. Earth dist. evening rise  desc. node  evening max el retrograde evening set asc. node min. Earth dist. inferior conj minimum elong morning rise direct morning max el  desc. node morning set	13106 Jan 23 18:57 13106 Jan 28 16:13 13106 Feb 01 15:04 13106 Feb 01 12:28 13106 Feb 03 12:07 13106 Feb 19 14:58 13106 Mar 09 00:57 13106 Mar 21 21:24 13106 Mar 28 03:22 13106 Mar 30 11:41 13106 Apr 01 06:41 13106 Apr 02 23:19 13106 Apr 02 23:19 13106 Apr 08 20:07 13106 Apr 11 23:31 13106 Apr 18 12:26 13106 Apr 28 12:05 13106 May 09 09:49 13106 May 09 09:49 13106 May 17 17:03	12°≈52'09 22°≈40'00 0° ₭ 12'08 0° ₭ 3° ₭ 39'05 0° Ŷ 21° Ŷ 45'33 29° Ŷ 03'45 26° Ŷ 32'37 24° Ŷ 17'55 22° Ŷ 14'25 20° Ŷ 05'22 20° Ŷ 10'07 14° Ŷ 21'24 13° Ŷ 25'39 16° Ŷ 55'01 0° ႘ 6° ႘ 16'55 16° ႘ 58'06 0° Ⅱ  12° ∏ 01'15 11° ∏ 37'19	1°19'26 1.35666 AU 26°18'04 0.66868 AU 1°06'00 1°05'10 18°32'15	minimum elong  max. Earth dist. evening rise desc. node  evening max el retrograde evening set min. Earth dist. asc. node inferior conj minimum elong transit middle transit begin transit end  morning rise direct  morning max el desc. node	13107 Jan 07 19:58 13107 Jan 09 03:40 13107 Jan 11 07:44 13107 Jan 15 20:06 13107 Jan 21 08:49 13107 Jan 24 19:12 13107 Feb 14 13:16 13107 Mar 05 00:35 13107 Mar 11 15:45 13107 Mar 15 13:56 13107 Mar 17 09:09 13107 Mar 17 20:02 13107 Mar 17 20:02 13107 Mar 17 20:02 13107 Mar 17 17:31 13107 Mar 17 17:31 13107 Mar 24 01:53 13107 Mar 24 01:53 13107 Mar 31 22:17 13107 Apr 02 03:56 13107 Apr 19 10:58	27° ₹12'05 0° ≈ 4° ≈ 31'33 13° ≈ 35'44 23° ≈ 58'16 0° ¥ 0° ♀ 5° ♀ 22'43 12° ♀ 49'23 10° ♀ 17'06 6° ♀ 32'12 4° ♀ 30'52 3° ♀ 59'22 4° ♀ 00'05 4° ♀ 00'05 4° ♀ 00'05 4° ♀ 00'05 4° ♀ 00'05 28° ♀ 25'01 30° ℞ Ӿ 28° Ӿ 28'00 27° Ӿ 47'52 0° ♀ 1° ♀ 06'39 26° ♀ 29'26	1°32'22 1.33864 AU 27°07'26 0.65364 AU 0°08'56 0°08'52 0°08'52
minimum elong max. Earth dist. evening rise  desc. node  evening max el retrograde evening set asc. node min. Earth dist. inferior conj minimum elong morning rise direct morning max el  desc. node morning set	13106 Jan 23 18:57 13106 Jan 28 16:13 13106 Feb 01 15:04 13106 Feb 01 12:28 13106 Feb 03 12:07 13106 Feb 19 14:58 13106 Mar 09 00:57 13106 Mar 21 21:24 13106 Mar 28 03:22 13106 Mar 30 11:41 13106 Apr 01 06:41 13106 Apr 02 23:19 13106 Apr 02 23:19 13106 Apr 08 20:07 13106 Apr 11 23:31 13106 Apr 18 12:26 13106 Apr 28 12:05 13106 May 09 09:49 13106 May 09 09:49 13106 May 17 17:03	12°≈52'09 22°≈40'00 0° ₭ 12'08 0° ₭ 3° ₭ 39'05 0° Ŷ 21° Ŷ 45'33 29° Ŷ 03'45 26° Ŷ 32'37 24° Ŷ 17'55 22° Ŷ 14'25 20° Ŷ 05'22 20° Ŷ 10'07 14° Ŷ 21'24 13° Ŷ 25'39 16° Ŷ 55'01 0° ႘ 6° ႘ 16'55 16° ႘ 58'06 0° Ⅱ  12° ∏ 01'15 11° ∏ 37'19 11° ∏ 42'54	1°19'26 1.35666 AU 26°18'04 0.66868 AU 1°06'00 1°05'10 18°32'15	minimum elong  max. Earth dist. evening rise desc. node  evening max el retrograde evening set min. Earth dist. asc. node inferior conj minimum elong transit middle transit begin transit end  morning rise direct morning max el	13107 Jan 07 19:58 13107 Jan 09 03:40 13107 Jan 11 07:44 13107 Jan 15 20:06 13107 Jan 21 08:49 13107 Jan 24 19:12 13107 Feb 14 13:16 13107 Mar 05 00:35 13107 Mar 11 15:45 13107 Mar 15 13:56 13107 Mar 17 20:02 13107 Mar 17 20:02 13107 Mar 17 20:02 13107 Mar 17 17:31 13107 Mar 17 22:32 13107 Mar 24 01:53 13107 Mar 24 01:53 13107 Mar 31 22:17 13107 Apr 02 03:56 13107 Apr 19 10:58 13107 Apr 20 07:48	27° ₹12'05 0° ≈ 4° ≈ 31'33 13° ≈ 35'44 23° ≈ 58'16 0° ¥ 0° ♀ 5° ♀22'43 12° ♀49'23 10° ♀17'06 6° ♀32'12 4° ♀30'52 3° ♀59'22 4° ♀00'05 4° ♀00'05 4° ♀00'05 4° ♀00'05 4° ♀00'05 28° ♀25'00 27° ♀47'52 0° ♀ 1° ♀06'39 26° ♀29'26 27° ♀54'44	1°32'22 1.33864 AU 27°07'26 0.65364 AU 0°08'56 0°08'52 0°08'52
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minimum elong max. Earth dist. evening rise  desc. node  evening max el retrograde evening set asc. node min. Earth dist. inferior conj minimum elong morning rise direct morning max el  desc. node morning set	13106 Jan 23 18:57 13106 Jan 28 16:13 13106 Feb 01 15:04 13106 Feb 01 12:28 13106 Feb 03 12:07 13106 Feb 19 14:58 13106 Mar 09 00:57 13106 Mar 21 21:24 13106 Mar 28 03:22 13106 Mar 30 11:41 13106 Apr 01 06:41 13106 Apr 02 23:19 13106 Apr 08 20:07 13106 Apr 08 20:07 13106 Apr 11 23:31 13106 Apr 18 12:26 13106 Apr 28 12:05 13106 May 09 09:49 13106 May 17 17:03  13106 May 25 09:41 13106 May 25 03:33 13106 May 25 04:59 13106 May 25 04:59 13106 Jun 05 20:50	12°≈52'09 22°≈40'00 0° ₭ 12'08 0° ₭ 3° ₭ 39'05 0° Ŷ 21° Ŷ 45'33 29° Ŷ 03'45 26° Ŷ 32'37 24° Ŷ 17'55 22° Ŷ 14'25 20° Ŷ 10'07 14° Ŷ 21'24 13° Ŷ 25'39 16° Ŷ 55'01 0° ♉ 6° ♉ 16'55 16° ♉ 58'06 0° Ⅱ  12° ∏ 01'15 11° ∏ 37'19 11° ∏ 42'54 0° ☺	1°19'26 1.35666 AU 26°18'04 0.66868 AU 1°06'00 1°05'10 18°32'15	minimum elong  max. Earth dist. evening rise desc. node  evening max el retrograde evening set min. Earth dist. asc. node inferior conj minimum elong transit middle transit begin transit end  morning rise direct  morning max el desc. node	13107 Jan 07 19:58 13107 Jan 09 03:40 13107 Jan 11 07:44 13107 Jan 15 20:06 13107 Jan 21 08:49 13107 Jan 24 19:12 13107 Feb 14 13:16 13107 Mar 05 00:35 13107 Mar 11 15:45 13107 Mar 15 13:56 13107 Mar 17 20:02 13107 Mar 17 20:02 13107 Mar 17 20:02 13107 Mar 17 17:31 13107 Mar 17 22:32 13107 Mar 24 01:53 13107 Mar 24 01:53 13107 Mar 31 22:17 13107 Apr 02 03:56 13107 Apr 19 10:58 13107 Apr 20 07:48	27° ₹12'05 0° ≈ 4° ≈ 31'33 13° ≈ 35'44 23° ≈ 58'16 0° ¥ 0° ♀ 5° ♀22'43 12° ♀49'23 10° ♀17'06 6° ♀32'12 4° ♀30'52 3° ♀59'22 4° ♀00'05 4° ♀00'05 4° ♀00'05 4° ♀00'05 4° ♀00'05 28° ♀25'00 27° ♀47'52 0° ♀ 1° ♀06'39 26° ♀29'26 27° ♀54'44	1°32'22 1.33864 AU 27°07'26 0.65364 AU 0°08'56 0°08'52 0°08'52
minimum elong max. Earth dist. evening rise  desc. node  evening max el retrograde evening set asc. node min. Earth dist. inferior conj minimum elong morning rise direct morning max el  desc. node morning set	13106 Jan 23 18:57 13106 Jan 28 16:13 13106 Feb 01 15:04 13106 Feb 01 12:28 13106 Feb 03 12:07 13106 Feb 19 14:58 13106 Mar 09 00:57 13106 Mar 21 21:24 13106 Mar 28 03:22 13106 Mar 30 11:41 13106 Apr 01 06:41 13106 Apr 03 00:52 13106 Apr 08 20:07 13106 Apr 08 20:07 13106 Apr 11 23:31 13106 Apr 18 12:26 13106 Apr 28 12:05 13106 May 02 14:19 13106 May 09 09:49 13106 May 17 17:03 13106 May 25 09:41 13106 May 25 09:41 13106 May 25 04:59 13106 Jun 05 20:50 13106 Jun 05 20:50 13106 Jun 10 02:17	12°≈52'09 22°≈40'00 0° ₭ 12'08 0° ₭ 3° ₭ 39'05 0° Ŷ 21° Ŷ 45'33 29° Ŷ 03'45 26° Ŷ 32'37 24° Ŷ 17'55 22° Ŷ 14'25 20° Ŷ 05'22 20° Ŷ 10'07 14° Ŷ 21'24 13° Ŷ 25'39 16° Ŷ 55'01 0° ♉ 6° ♉ 16'55 16° ♉ 58'06 0° Ⅱ  12° Ⅱ 01'15 11° Ⅲ 37'19 11° Ⅲ 42'54 0° ☜ 6° Წ 40'57	1°19'26 1.35666 AU 26°18'04 0.66868 AU 1°06'00 1°05'10 18°32'15 -2°06'41 2°07'20 1.45788 AU	minimum elong max. Earth dist. evening rise desc. node  evening max el retrograde evening set min. Earth dist. asc. node inferior conj minimum elong transit middle transit begin transit end  morning rise direct morning max el desc. node morning set	13107 Jan 07 19:58 13107 Jan 09 03:40 13107 Jan 11 07:44 13107 Jan 15 20:06 13107 Jan 21 08:49 13107 Jan 24 19:12 13107 Feb 14 13:16 13107 Mar 05 00:35 13107 Mar 11 15:45 13107 Mar 15 13:56 13107 Mar 17 20:02 13107 Mar 17 20:02 13107 Mar 17 20:02 13107 Mar 17 20:02 13107 Mar 17 17:31 13107 Mar 17 22:32 13107 Mar 21 18:30 13107 Mar 24 01:53 13107 Mar 31 22:17 13107 Apr 02 03:56 13107 Apr 19 10:58 13107 Apr 20 07:48 13107 Apr 21 14:27	27°512'05 0°≈ 4°≈31'33 13°≈35'44 23°≈58'16 0°¥ 0°Y 5°Y22'43 12°Y49'23 10°Y17'06 6°Y32'12 4°Y30'52 3°Y59'22 4°Y00'05 4°Y00'05 4°Y07'09 3°Y53'01 30°R¥ 28°¥28'00 27°¥47'52 0°Y 1°Y06'39 26°Y29'26 27°Y54'44 0°8	1°32'22  1.33864 AU  27°07'26  0.65364 AU  0°08'56 0°08'52 0°08'52  18°01'06
minimum elong max. Earth dist. evening rise  desc. node  evening max el retrograde evening set asc. node min. Earth dist. inferior conj minimum elong morning rise direct morning max el  desc. node morning set	13106 Jan 23 18:57 13106 Jan 28 16:13 13106 Feb 01 15:04 13106 Feb 01 12:28 13106 Feb 03 12:07 13106 Feb 19 14:58 13106 Mar 09 00:57 13106 Mar 21 21:24 13106 Mar 28 03:22 13106 Mar 30 11:41 13106 Apr 01 06:41 13106 Apr 03 00:52 13106 Apr 02 23:19 13106 Apr 08 20:07 13106 Apr 11 23:31 13106 Apr 18 12:26 13106 Apr 28 12:05 13106 May 02 14:19 13106 May 09 09:49 13106 May 17 17:03 13106 May 25 09:41 13106 May 25 09:41 13106 May 25 09:41 13106 May 25 04:59 13106 Jun 05 20:50 13106 Jun 10 02:17 13106 Jun 18 12:34	12°≈52'09 22°≈40'00 0° ₭ 12'08 0° ₭ 3° ₭ 39'05 0° Ŷ 21° Ŷ 45'33 29° Ŷ 03'45 26° Ŷ 32'37 24° Ŷ 17'55 22° Ŷ 14'25 20° Ŷ 05'22 20° Ŷ 10'07 14° Ŷ 21'24 13° Ŷ 25'39 16° Ŷ 55'01 0° ♉ 6° ♉ 16'55 16° ♉ 58'06 0° Ⅱ  12° Ⅱ 01'15 11° Ⅱ 37'19 11° Ⅱ 42'54 0° ☜ 6° Წ 40'57 20° Წ 00'02	1°19'26 1.35666 AU 26°18'04 0.66868 AU 1°06'00 1°05'10 18°32'15 -2°06'41 2°07'20 1.45788 AU	minimum elong  max. Earth dist. evening rise desc. node  evening max el retrograde evening set min. Earth dist. asc. node inferior conj minimum elong transit middle transit begin transit end  morning rise direct  morning max el desc. node morning set	13107 Jan 07 19:58 13107 Jan 09 03:40 13107 Jan 11 07:44 13107 Jan 15 20:06 13107 Jan 21 08:49 13107 Jan 24 19:12 13107 Feb 14 13:16 13107 Mar 05 00:35 13107 Mar 11 15:45 13107 Mar 15 13:56 13107 Mar 17 20:02 13107 Mar 17 20:02 13107 Mar 17 20:02 13107 Mar 17 20:02 13107 Mar 17 17:31 13107 Mar 17 22:32 13107 Mar 21 18:30 13107 Mar 24 01:53 13107 Mar 31 22:17 13107 Apr 02 03:56 13107 Apr 19 10:58 13107 Apr 20 07:48 13107 Mar 21 14:27	27°512'05 0°≈ 4°≈31'33 13°≈35'44 23°≈58'16 0°¥ 0°Y 5°Y22'43 12°Y49'23 10°Y17'06 6°Y32'12 4°Y30'52 3°Y59'22 4°Y00'05 4°Y07'09 3°Y53'01 30°R¥ 28°¥28'00 27°¥47'52 0°Y 1°Y06'39 26°Y29'26 27°Y54'44 0°8	1°32'22  1.33864 AU  27°07'26  0.65364 AU  0°08'56 0°08'52 0°08'52  18°01'06
minimum elong max. Earth dist. evening rise  desc. node  evening max el retrograde evening set asc. node min. Earth dist. inferior conj minimum elong morning rise direct morning max el  desc. node morning set	13106 Jan 23 18:57 13106 Jan 28 16:13 13106 Feb 01 15:04 13106 Feb 01 12:28 13106 Feb 03 12:07 13106 Feb 19 14:58 13106 Mar 09 00:57 13106 Mar 21 21:24 13106 Mar 28 03:22 13106 Mar 30 11:41 13106 Apr 01 06:41 13106 Apr 03 00:52 13106 Apr 02 23:19 13106 Apr 08 20:07 13106 Apr 11 23:31 13106 Apr 18 12:26 13106 Apr 28 12:05 13106 May 02 14:19 13106 May 09 09:49 13106 May 17 17:03 13106 May 25 09:41 13106 May 25 09:41 13106 May 25 09:41 13106 May 25 04:59 13106 Jun 05 20:50 13106 Jun 10 02:17 13106 Jun 18 12:34 13106 Jun 25 03:18	12°≈52'09 22°≈40'00 0° ₭ 12'08 0° ₭ 3° ₭ 39'05 0° Ŷ 21° Ŷ 45'33 29° Ŷ 03'45 26° Ŷ 32'37 24° Ŷ 17'55 22° Ŷ 14'25 20° Ŷ 10'07 14° Ŷ 21'24 13° Ŷ 25'39 16° Ŷ 55'01 0° ♉ 6° ♉ 16'55 16° ♉ 58'06 0° Ⅱ  12° ∏ 01'15 11° ∏ 37'19 11° ∏ 42'54 0° ☜ 6° Წ 40'57 20° ☜ 00'02 0° ₤	1°19'26 1.35666 AU 26°18'04 0.66868 AU 1°06'00 1°05'10 18°32'15 -2°06'41 2°07'20 1.45788 AU	minimum elong  max. Earth dist. evening rise desc. node  evening max el retrograde evening set min. Earth dist. asc. node inferior conj minimum elong transit middle transit begin transit end  morning rise direct  morning max el desc. node morning set	13107 Jan 07 19:58 13107 Jan 09 03:40 13107 Jan 11 07:44 13107 Jan 15 20:06 13107 Jan 21 08:49 13107 Jan 24 19:12 13107 Feb 14 13:16 13107 Feb 19 14:26 13107 Mar 05 00:35 13107 Mar 11 15:45 13107 Mar 17 15:45 13107 Mar 17 20:02 13107 Mar 17 20:02 13107 Mar 17 20:02 13107 Mar 17 22:32 13107 Mar 17 17:31 13107 Mar 24 01:53 13107 Mar 24 01:53 13107 Mar 26 19:37 13107 Apr 19 10:58 13107 Apr 19 10:58 13107 Apr 20 07:48 13107 Mar 21 14:27	27°512'05 0°≈ 4°≈31'33 13°≈35'44 23°≈58'16 0°¥ 0°Y 5°Y22'43 12°Y49'23 10°Y17'06 6°Y32'12 4°Y30'52 3°Y59'22 4°Y00'05 4°Y00'05 4°Y07'09 3°Y53'01 30°R¥ 28°¥28'00 27°¥47'52 0°Y 1°Y06'39 26°Y29'26 27°Y54'44 0°8	1°32'22  1.33864 AU  27°07'26  0.65364 AU  0°08'56 0°08'52 0°08'52  18°01'06  -1°41'10 1°41'00
minimum elong max. Earth dist. evening rise  desc. node  evening max el retrograde evening set asc. node min. Earth dist. inferior conj minimum elong morning rise direct morning max el  desc. node morning set  superior conj minimum elong max. Earth dist. evening rise greatest brilliancy  asc. node evening max el	13106 Jan 23 18:57 13106 Jan 28 16:13 13106 Feb 01 15:04 13106 Feb 01 12:28 13106 Feb 03 12:07 13106 Feb 19 14:58 13106 Mar 09 00:57 13106 Mar 21 21:24 13106 Mar 28 03:22 13106 Mar 30 11:41 13106 Apr 01 06:41 13106 Apr 03 00:52 13106 Apr 02 23:19 13106 Apr 08 20:07 13106 Apr 11 23:31 13106 Apr 18 12:26 13106 Apr 28 12:05 13106 May 09 09:49 13106 May 09 09:49 13106 May 17 17:03 13106 May 25 09:41 13106 May 25 09:41 13106 May 25 09:41 13106 Jun 05 20:50 13106 Jun 10 02:17 13106 Jun 18 12:34 13106 Jun 25 03:18 13106 Jun 25 03:18	12°≈52'09 22°≈40'00 0° ₭ 12'08 0° ₭ 3° ₭ 39'05 0° Ŷ 21° Ŷ 45'33 29° Ŷ 03'45 26° Ŷ 32'37 24° Ŷ 17'55 22° Ŷ 14'25 20° Ŷ 05'22 20° Ŷ 10'07 14° Ŷ 21'24 13° Ŷ 25'39 16° Ŷ 55'01 0° ႘ 6° ႘ 16'55 16° ႘ 58'06 0° Ⅱ  12° ∏ 01'15 11° ∏ 37'19 11° ∏ 42'54 0° ໑ 6° ໑ 40'57 20° ໑ 00'02 0° ℛ 1° ℛ 46'10 8° ℛ 13'39	1°19'26 1.35666 AU 26°18'04 0.66868 AU 1°06'00 1°05'10 18°32'15 -2°06'41 2°07'20 1.45788 AU -0.8m	minimum elong  max. Earth dist. evening rise desc. node  evening max el retrograde evening set min. Earth dist. asc. node inferior conj minimum elong transit middle transit begin transit end  morning rise direct morning max el desc. node morning set	13107 Jan 07 19:58 13107 Jan 09 03:40 13107 Jan 11 07:44 13107 Jan 15 20:06 13107 Jan 21 08:49 13107 Jan 24 19:12 13107 Feb 14 13:16 13107 Feb 19 14:26 13107 Mar 05 00:35 13107 Mar 11 15:45 13107 Mar 17 20:02 13107 Mar 17 22:32 13107 Mar 21 18:30 13107 Mar 24 01:53 13107 Mar 24 01:53 13107 Mar 31 22:17 13107 Apr 19 10:58 13107 Apr 20 07:48 13107 May 04 20:21 13107 May 04 11:09 13107 May 08 01:05 13107 May 08 01:05 13107 May 08 01:05 13107 May 10 09:44	27° \$\frac{12'05}{0° \times} 4° \times 31'33 13° \times 35'44 23° \times 58'16 0° \$\frac{1}{4} 0° \$\frac{1}{9} 10° \$\frac{1}{12'}05 10° \$\frac{1}{9} 10° \$\frac	1°32'22  1.33864 AU  27°07'26  0.65364 AU  0°08'56 0°08'52 0°08'52  18°01'06  -1°41'10 1°41'00
minimum elong max. Earth dist. evening rise  desc. node  evening max el retrograde evening set asc. node min. Earth dist. inferior conj minimum elong morning rise direct morning max el  desc. node morning set  superior conj minimum elong max. Earth dist. evening rise greatest brilliancy asc. node	13106 Jan 23 18:57 13106 Jan 28 16:13 13106 Feb 01 15:04 13106 Feb 01 12:28 13106 Feb 03 12:07 13106 Feb 19 14:58 13106 Mar 09 00:57 13106 Mar 21 21:24 13106 Mar 28 03:22 13106 Mar 30 11:41 13106 Apr 01 06:41 13106 Apr 03 00:52 13106 Apr 02 23:19 13106 Apr 08 20:07 13106 Apr 11 23:31 13106 Apr 18 12:26 13106 Apr 28 12:05 13106 May 09 09:49 13106 May 09 09:49 13106 May 17 17:03 13106 May 25 09:41 13106 May 25 09:41 13106 May 25 04:59 13106 Jun 10 02:17 13106 Jun 10 02:17 13106 Jun 12 03:18 13106 Jun 26 09:31 13106 Jun 26 09:31 13106 Jun 16 17:19	12°≈52'09 22°≈40'00 0° ₭ 12'08 0° ₭ 3° ₭ 39'05 0° Ŷ 21° Ŷ 45'33 29° Ŷ 03'45 26° Ŷ 32'37 24° Ŷ 17'55 22° Ŷ 14'25 20° Ŷ 05'22 20° Ŷ 10'07 14° Ŷ 21'24 13° Ŷ 25'39 16° Ŷ 55'01 0° ♉ 6° ♉ 16'55 16° ♉ 58'06 0° Ⅱ  12° ℍ 01'15 11° ℍ 37'19 11° ℍ 42'54 0° ☞ 6° Წ 40'57 20° © 00'02 0° ഏ 1° Ω 46'10	1°19'26 1.35666 AU 26°18'04 0.66868 AU 1°06'00 1°05'10 18°32'15 -2°06'41 2°07'20 1.45788 AU -0.8m	minimum elong  max. Earth dist. evening rise desc. node  evening max el retrograde evening set min. Earth dist. asc. node inferior conj minimum elong transit middle transit begin transit end  morning rise direct  morning max el desc. node morning set	13107 Jan 07 19:58 13107 Jan 09 03:40 13107 Jan 11 07:44 13107 Jan 15 20:06 13107 Jan 21 08:49 13107 Jan 24 19:12 13107 Feb 14 13:16 13107 Feb 19 14:26 13107 Mar 05 00:35 13107 Mar 11 15:45 13107 Mar 17 09:09 13107 Mar 17 20:02 13107 Mar 17 20:02 13107 Mar 17 20:02 13107 Mar 17 17:31 13107 Mar 17 22:32 13107 Mar 21 18:30 13107 Mar 24 01:53 13107 Mar 26 19:37 13107 Mar 31 22:17 13107 Apr 19 10:58 13107 Apr 20 07:48 13107 Apr 21 14:27 13107 May 04 20:21 13107 May 04 20:21 13107 May 04 11:09 13107 May 08 01:05	27°512'05 0°≈ 4°≈31'33 13°≈35'44 23°≈58'16 0°¥ 0°Y 5°Y22'43 12°Y49'23 10°Y17'06 6°Y32'12 4°Y30'52 3°Y59'22 4°Y00'05 4°Y00'05 4°Y07'09 3°Y53'01 30°R¥ 28°¥28'00 27°¥47'52 0°Y 1°Y06'39 26°Y29'26 27°Y54'44 0°8 21°817'06 20°840'48 26°818'41	1°32'22  1.33864 AU  27°07'26  0.65364 AU  0°08'56 0°08'52 0°08'52  18°01'06  -1°41'10 1°41'00

13108 Apr 29 09:45

13108 May 02 05:16

evening rise

25°842'21

 $\mathbb{I}^{\circ 0}$ 

max. Earth dist.

13109 Apr 02 10:36

13109 Apr 05 16:04

24°**Y**47'24 1.43265 AU

0°8

evening rise evening max el	13109 Apr 09 03:42 13109 Apr 25 12:43 13109 May 10 22:25	5° <b>8</b> 30′29 0° <b>Ⅱ</b> 19° <b>Ⅱ</b> 36′01	21°46'52	max. Earth dist.	13110 Mar 15 21:26 13110 Mar 20 15:26 13110 Mar 29 11:06	8° <b>Y</b> 14'52 16° <b>Y</b> 08'07 0° <b>႘</b>	1.41295 AU
asc. node	13109 May 17 00:45	24° <b>Ⅱ</b> 15′16			13110 Apr 20 09:38	$\Pi$ °0	
retrograde	13109 May 20 03:02	24° <b>Ⅱ</b> 59'33		evening max el	13110 Apr 23 14:23	3° <b>Ⅱ</b> 25'49	23°06'36
evening set	13109 May 24 16:16	23° <b>I</b> 107'32	2002110	retrograde	13110 May 03 23:00	9°II32'05	
inferior conj	13109 May 29 22:38	16° <b>Ⅱ</b> 50'27 16° <b>Ⅱ</b> 54'43	3°03'10 3°02'04	asc. node	13110 May 03 22:02	9° <b>Ⅲ</b> 32'04 7° <b>Ⅲ</b> 25'17	
minimum elong min. Earth dist.	13109 May 29 21:24 13109 May 30 01:08	16 <b>∏</b> 3443	0.68820 AU	evening set inferior conj	13110 May 08 23:39 13110 May 14 08:08	1° <b>II</b> 00'02	2°43'31
morning rise	13109 Jun 04 02:20	10° <b>I</b> 35'56	0.00020710	minimum elong	13110 May 14 06:16	1° <b>I</b> I06'30	2°42'19
direct	13109 Jun 09 00:38	8° <b>Ⅱ</b> 28'47		min. Earth dist.	13110 May 13 21:51	1° <b>П</b> 35'39	0.68850 AU
morning max el	13109 Jun 18 18:54	14° <b>Ⅱ</b> 14'15	22°31'06		13110 May 15 01:34	30° <b>₹</b> 8	
desc. node	13109 Jun 19 05:15	14° <b>Ⅱ</b> 40′34		morning rise	13110 May 19 12:49	24° <b>8</b> 52'30	
	13109 Jul 01 12:36	0ංම		direct	13110 May 23 22:12	23° <b>8</b> 05'48	
	13109 Jul 21 10:18	$0$ $^{\circ}\Omega$		morning max el	13110 Jun 01 10:54	28° <b>8</b> 00'05	21°07'22
morning set	13109 Jul 22 11:18	1° <b>Ω</b> 41'29			13110 Jun 03 08:26	0°II	
max. Earth dist.	13109 Jul 27 08:34	9° <b>Ω</b> 48'03	1.40754 AU	desc. node	13110 Jun 06 02:14	3° <b>Ⅱ</b> 12'35	
aumorior aoni	12100 Ana 04 04:42	23° <b>Ω</b> 28'05	1014142	marning gat	13110 Jun 25 02:03 13110 Jul 02 05:46	0°ഇ 11° <b>ഇ</b> 00'46	
superior conj minimum elong	13109 Aug 04 04:42 13109 Aug 04 10:14	23° <b>Ω</b> 52'55		morning set max. Earth dist.	13110 Jul 02 03:46 13110 Jul 09 13:52	22°543'41	1.42869 AU
minimum ciong	13109 Aug 04 10:14 13109 Aug 07 18:49	0° <b>m</b> )	1 1430	max. Earth dist.	13110 Jul 13 23:36	0°Ω	1.42809 AU
asc. node	13109 Aug 13 00:40	9° <b>m</b> ) 47'20			13110 341 13 23.30	V 00	
evening rise	13109 Aug 14 07:27	12° mp 12'19		superior conj	13110 Jul 16 17:50	4° <b>Ω</b> 39'17	-1°46'05
C	13109 Aug 24 06:52	0∘ <del>⊽</del>		minimum elong	13110 Jul 17 00:57	5° <b>Ω</b> 09'34	1°46'15
evening max el	13109 Aug 30 06:28	7° <b>≏</b> 49'11	18°21'37	evening rise	13110 Jul 28 08:54	25° <b>Ω</b> 04'03	
retrograde	13109 Sep 06 18:52	11° <b>≏</b> 37'19		asc. node	13110 Jul 30 21:20	29° <b>Ω</b> 34'30	
evening set	13109 Sep 08 20:53	11° <b>≏</b> 20'31			13110 Jul 31 03:03	0° <b>m</b>	
desc. node	13109 Sep 15 02:17	7° <b>£</b> 48'45		evening max el	13110 Aug 13 18:04	20° m 45'13	18°04'24
inferior conj	13109 Sep 16 10:45	6° <b>£</b> 43'36		retrograde	13110 Aug 20 11:38	24° Mp 12'24	
minimum elong min. Earth dist.	13109 Sep 16 09:48 13109 Sep 19 17:57	6° <b>♀</b> 45'33 4° <b>♀</b> 03'05	0°25'02 0.58349 AU	evening set inferior conj	13110 Aug 22 21:13	23° Mp 46'10	0°58'42
morning rise	13109 Sep 19 17.37 13109 Sep 23 19:15	4 <b>≗</b> 03 03 1° <b>≗</b> 20'24	0.38349 AU	minimum elong	13110 Aug 29 17:18 13110 Aug 29 19:01	18° Mp 48'48 18° Mp 44'44	0°57'47
morning risc	13109 Sep 23 17:13 13109 Sep 27 04:29	30°R MD		desc. node	13110 Sep 01 23:48	15° Mp 44'25	0 3/ 4/
direct	13109 Sep 27 01:29 13109 Sep 30 00:49	29° m 38'38		min. Earth dist.	13110 Sep 01 23:42	15° <b>m</b> ) 49'07	0.60604 AU
	13109 Oct 02 22:17	0∘ <b>⊽</b>		morning rise	13110 Sep 05 13:53	12° m 56'08	
morning max el	13109 Oct 14 08:26	7° <b>£</b> 17'27	27°17'22	direct	13110 Sep 12 03:55	10° <b>m</b> 48'10	
	13109 Oct 31 09:47	0°M₁		morning max el	13110 Sep 26 10:36	18° <b>m</b> 42'47	27°54'32
asc. node	13109 Nov 09 02:31	15°M44'29			13110 Oct 05 23:25	0∘ <b>⊽</b>	
morning set	13109 Nov 14 01:44	25°M55'22			13110 Oct 24 04:55	0°M	
	13109 Nov 15 23:14	0° <b>∡</b> ¹		asc. node	13110 Oct 26 23:14	5°M27'30	
aumorior aoni	13109 Nov 20 23:46	11° <b>∡</b> ¹07'02	1921126	morning set max. Earth dist.	13110 Oct 29 05:48 13110 Nov 04 04:29	10°M07'29 22°M56'39	1.31384 AU
superior conj minimum elong	13109 Nov 20 23:46 13109 Nov 20 22:17	11° <b>x</b> '07'02 10° <b>x</b> ''58'46	1°32'24	max. Earth dist.	13110 NOV 04 04:29	22"11630'39	1.31384 AU
max. Earth dist.	13109 Nov 20 22:17 13109 Nov 20 20:41	10° 🗷 49'52	1.31245 AU	superior conj	13110 Nov 05 10:44	25°M44'19	1°19'56
evening rise	13109 Nov 27 18:08	26° <b>₹</b> 100'56		minimum elong	13110 Nov 05 08:39	25°M32'41	1°20'26
S	13109 Nov 29 15:28	0°ರ		C	13110 Nov 07 08:42	0° <b>∡</b> ¹	
desc. node	13109 Dec 11 23:23	22° <b>ප</b> 52'11		evening rise	13110 Nov 12 03:33	10° <b>∡</b> ³31'44	
	13109 Dec 16 15:33	0° <b>≈</b>			13110 Nov 21 22:34	5°0	
evening max el	13109 Dec 27 13:56	13° <b>≈</b> 07'02	26°44'01	desc. node	13110 Nov 28 20:29	11° <b>る</b> 17'28	
retrograde	13110 Jan 10 12:47	20°≈15'38		evening max el	13110 Dec 09 08:08	24° <b>る</b> 05'17	25°30'18
evening set	13110 Jan 17 04:04	18°≈25'50	0.50207.411		13110 Dec 17 22:36	0° <b>≈</b> 1° <b>≈</b> 04'12	
min. Earth dist.	13110 Jan 21 03:56 13110 Jan 24 08:08	15°≈48'06 13°≈19'12	0.59287 AU	retrograde	13110 Dec 23 04:55 13110 Dec 28 11:31	1°≈04°12 30°Rる	
minimum elong	13110 Jan 24 08:08		3°35'44	evening set	13110 Dec 28 11:51 13110 Dec 29 03:54	30 KO 29°る42'51	
morning rise	13110 Feb 01 06:35	8°≈41'26	3 33 44	min. Earth dist.	13111 Jan 02 20:22	27°る04'07	0.57239 AU
direct	13110 Feb 03 07:48	8° <b>≈</b> 26'10		inferior conj	13111 Jan 05 17:20	25° <b>ට</b> 07'18	
asc. node	13110 Feb 05 01:24	8° <b>≈</b> 37'33		minimum elong	13111 Jan 06 01:55	24° <b>ප</b> 52'43	4°52'40
morning max el	13110 Feb 11 02:19	12° <b>≈</b> 17'13	18°14'19	morning rise	13111 Jan 14 02:28	20° <b>る</b> 52'03	
	13110 Feb 22 21:53	0° <b>)</b>		direct	13111 Jan 16 06:34	20° <b>ට</b> 37'51	
morning set	13110 Feb 26 18:49	7° <b>∺</b> 13'49		asc. node	13111 Jan 22 22:45	23° <b>⋜</b> 02'12	
		* 10 \ f =		morning max el	13111 Jan 25 05:52	24° <b>る</b> 59'19	18°58'45
superior conj	13110 Mar 08 06:59	24° <b>H</b> 55'56	0°13'47		13111 Jan 29 11:37	0°≈	
minimum elong behind sun begin	13110 Mar 08 08:01 13110 Mar 08 04:14	25° <b>光</b> 00'38 24° <b>光</b> 43'32	0°13'47	morning set	13111 Feb 10 17:40 13111 Feb 15 00:22	21°≈33'52 0° <b>米</b>	
behind sun begin	13110 Mar 08 04:14 13110 Mar 08 11:48	24° <del>X</del> 43°32 25° <del>X</del> 17'44			15111 100 13 00.22	υ <b>Λ</b>	
desc. node	13110 Mar 10 00:33	28°\(\)\(\)\(\)\(\)\(\)		superior conj	13111 Feb 19 04:31	8° <b>₩</b> 05'11	0°44'42
	13110 Mar 11 03:01	0° <b>Υ</b>		minimum elong	13111 Feb 19 07:04	8° <b>¥</b> 17′22	

desc. node	13111 Feb 24 21:05	18° <b>)</b> 39′21		max. Earth dist.	13112 Feb 08 11:07	3°¥09'07	1.36850 AU
max. Earth dist.	13111 Feb 26 04:34	21°\(\frac{1}{2}\)00'29	1.39072 AU	desc. node	13112 Feb 11 17:39	9° <b>¥</b> 12'36	1.50050710
evening rise	13111 Mar 02 00:30	27° <b>)</b> (41'44	-10,0,0,0	evening rise	13112 Feb 12 05:20	10° <b>¥</b> 05'25	
<i>8</i> 11	13111 Mar 03 09:03	0° <b>Υ</b>		<i>Q</i> 11	13112 Feb 24 01:30	0° <b>Υ</b>	
	13111 Mar 22 23:13	0°8			13112 Mar 17 14:09	0° <b>႘</b>	
evening max el	13111 Apr 06 04:12	17° <b>8</b> 17'32	24°26'57	evening max el	13112 Mar 18 17:34	1° <b>8</b> 08'51	25°41'07
retrograde	13111 Apr 17 15:38	24° <b>8</b> 00'48		retrograde	13112 Mar 31 03:51	8° <b>8</b> 18'26	
asc. node	13111 Apr 20 19:25	23° <b>8</b> 16'25		evening set	13112 Apr 06 03:34	5° <b>8</b> 50'21	
evening set	13111 Apr 23 03:58	21° <b>8</b> 41'32		asc. node	13112 Apr 06 16:50	5° <b>8</b> 21'16	
min. Earth dist.	13111 Apr 27 17:36	16° <b>8</b> 27'59	0.68422 AU	min. Earth dist.	13112 Apr 10 10:16	1° <b>8</b> 12'06	0.67553 AU
inferior conj	13111 Apr 28 16:23	15° <b>8</b> 11'32	2°13'49		13112 Apr 11 08:57	30° <b>₹Ƴ</b>	
minimum elong	13111 Apr 28 14:14	15° <b>8</b> 18'46	2°12'35	inferior conj	13112 Apr 11 21:24		1°33'51
morning rise	13111 May 04 00:39	9° <b>8</b> 12'03		minimum elong	13112 Apr 11 19:27	29° <b>Y</b> 26'26	1°32'47
direct	13111 May 07 21:35	7° <b>8</b> 46'23		morning rise	13112 Apr 17 11:53	23° <b>Y</b> '30'00	
morning max el	13111 May 15 10:01	11° <b>8</b> 58'10	19°55'07	direct	13112 Apr 20 21:17	22° <b>Y</b> ′24'07	
desc. node	13111 May 23 23:06	22° <b>8</b> 25'09		morning max el	13112 Apr 27 16:38	26° <b>Y</b> ′05'33	18°57'44
	13111 May 29 06:35	0°Π			13112 May 01 04:22	0° <b>8</b>	
morning set	13111 Jun 11 08:03	19° <b>∏</b> 40′56		desc. node	13112 May 09 19:52	12° <b>8</b> 06'51	
	13111 Jun 17 23:40	0∘ <b>ௐ</b>		greatest brilliancy	13112 May 11 01:44	13° <b>8</b> 59'20	-0.8m
max. Earth dist.	13111 Jun 22 01:37	6° <b>5</b> 26'11	1.44516 AU	morning set	13112 May 20 14:22	28° <b>8</b> 38'16	
					13112 May 21 11:27	0°Щ	
superior conj	13111 Jun 27 07:09	14° <b>©</b> 49'39		max. Earth dist.	13112 Jun 03 18:07	20° <b>∏</b> 40′21	1.45528 AU
minimum elong	13111 Jun 27 12:09	15° <b>©</b> 09'59	2°08'35				
	13111 Jul 06 11:19	0° <b>Ω</b>		superior conj	13112 Jun 05 23:27	24° <b>Ⅱ</b> 09'31	
evening rise	13111 Jul 10 15:50	7° <b>Ω</b> 06'04		minimum elong	13112 Jun 05 21:35	24° <b>Ⅱ</b> 02'13	2°13'56
asc. node	13111 Jul 17 18:05	19° <b>Ω</b> 06′28			13112 Jun 09 16:19	0°95	
·	13111 Jul 24 20:46	0° Mp	10007117	evening rise	13112 Jun 20 23:30	18° <b>©</b> 07'35	
evening max el	13111 Jul 28 08:16	4° Mp 05'07	18°06'15	4.	13112 Jun 28 07:25	0°Ω 8°Ω17'02	
retrograde	13111 Aug 03 17:32	7° Mp 25'32		asc. node	13112 Jul 03 14:56	$17^{\circ}\Omega 40'28$	10026121
evening set inferior conj	13111 Aug 06 11:19 13111 Aug 12 16:50	6° Тр 46'48 1° Тр 31'20	1°59'54	evening max el retrograde	13112 Jul 10 21:47 13112 Jul 17 08:11	$1/304028$ $21^{\circ}\Omega07'38$	18°26'21
minimum elong	13111 Aug 12 10:30 13111 Aug 12 19:22	1°Mp24'31	1°58'35	evening set	13112 Jul 17 08.11 13112 Jul 20 10:30	$20^{\circ}\Omega 14'06$	
minimum ciong	13111 Aug 12 19.22 13111 Aug 14 02:39	1 11/2431 30°RΩ	1 30 33	inferior conj	13112 Jul 26 05:13	14°Ω42'31	2°40'25
min. Earth dist.	13111 Aug 14 02:39	28° <b>Ω</b> 34'05	0.62857 AU	minimum elong	13112 Jul 26 07:24	$14^{\circ}\Omega 35'59$	
morning rise	13111 Aug 19 01:21	25° <b>Ω</b> 19'40	0.02037 AC	min. Earth dist.	13112 Jul 28 09:58	$12^{\circ}\Omega06'17$	0.64891 AU
desc. node	13111 Aug 19 21:18	24° <b>Ω</b> 44'51		morning rise	13112 Jul 28 03:38 13112 Aug 01 03:05	8° <b>Ω</b> 21'26	0.04071 AC
direct	13111 Aug 25 17:33	22° <b>Ω</b> 51'20		desc. node	13112 Aug 05 18:45	5° <b>Ω</b> 54'38	
4.1.001	13111 Sep 07 20:38	0° m)		direct	13112 Aug 07 15:49	5°Ω42'03	
morning max el	13111 Sep 08 18:27	0° m 53'25	27°52'49	morning max el	13112 Aug 21 05:00	13° <b>Ω</b> 39'21	27°16'22
	13111 Sep 30 03:12	0∘ <b>⊽</b>			13112 Sep 03 10:12	0° m)	
morning set	13111 Oct 13 03:18	23° <b>≏</b> 58'26			13112 Sep 21 18:32	0∘ <u>v</u>	
asc. node	13111 Oct 13 19:54	25° <b>Ω</b> 22'52		morning set	13112 Sep 25 15:33	7° <b>≏</b> 21'49	
	13111 Oct 16 01:24	$0^{\circ}$ M		asc. node	13112 Sep 29 16:31	15° <b>≏</b> 26'02	
max. Earth dist.	13111 Oct 18 07:36	4°M47'52	1.32051 AU	max. Earth dist.	13112 Sep 30 02:30	16° <b>≙</b> 17'08	1.33252 AU
superior conj	13111 Oct 20 19:10	10° <b>M</b> 10'44	1°02'38	superior conj	13112 Oct 03 22:56	24° <b>≏</b> 20'47	0°39'52
minimum elong	13111 Oct 20 16:54	9°M58'22	1°02'50	minimum elong	13112 Oct 03 21:06	24° <b>≙</b> 11'01	0°39'51
evening rise	13111 Oct 27 14:38	25°M04'45			13112 Oct 06 14:19	$0^{\circ}$ M	
	13111 Oct 29 22:15	0° <b>∡</b> ¹		evening rise	13112 Oct 11 01:32	9°M35'25	
desc. node	13111 Nov 15 17:42	28° <b>∡</b> ′41'47			13112 Oct 21 13:35	0° <b>∡</b>	
	13111 Nov 16 19:06	0° <b>ろ</b>		evening max el	13112 Nov 01 06:29	14° <b>≯</b> 22'36	22°12'34
evening max el	13111 Nov 20 19:11	4° <b>る</b> 20'03	23°54'10	desc. node	13112 Nov 01 15:01	14° <b>∡</b> °43′12	
retrograde	13111 Dec 04 08:39	11° <b>る</b> 05'38		retrograde	13112 Nov 14 00:21	20° <b>∡</b> ′41'51	
evening set	13111 Dec 09 03:52	10° <b>る</b> 15'19		evening set	13112 Nov 17 09:36	20° <b>∡</b> 16'33	
min. Earth dist.	13111 Dec 15 06:06	7° <b>る</b> 16'27		min. Earth dist.	13112 Nov 25 12:49	16° <b>₹</b> 39'30	0.54656 AU
inferior conj	13111 Dec 17 05:51	6°る04'48		inferior conj	13112 Nov 26 02:16	16° <b>₹</b> 20'36	
minimum elong	13111 Dec 17 10:20	5°る58'04	5°45'36	minimum elong	13112 Nov 25 22:04	16° <b>₹</b> 26'30	5°48'17
morning rise	13111 Dec 25 18:40	2° <b>る</b> 08'54		morning rise	13112 Dec 04 11:43	12° 🗷 33'21	
direct	13111 Dec 28 09:30	1°る51'37	20005150	direct	13112 Dec 07 21:27	12° 🗷 07'27	21025126
morning max el	13112 Jan 07 21:01	6° <b>る</b> 52'24	20~05'59	morning max el	13112 Dec 19 21:47	17° <b>x</b> 51'45	21~35′26
asc. node	13112 Jan 09 20:00	8° <b>る</b> 55'12		asc. node	13112 Dec 26 17:10	25° <b>メ</b> 59'53 0° <b>る</b>	
morning set	13112 Jan 22 21:42 13112 Jan 25 23:15	0° <b>≈</b> 6° <b>≈</b> 09'46		morning set	13112 Dec 29 08:14 13113 Jan 09 08:55	0°る 20°る54'04	
morning set	13114 Jan 23 25:13	U <b>≈</b> U9'40		morning set	13113 Jan 09 08:55 13113 Jan 13 16:13	20°€54*04 0°€	
superior conj	13112 Feb 02 16:02	21°≈51'58	1°08'28		13 10.13 Idii 13 10.13	U ~~	
minimum elong	13112 Feb 02 16:02 13112 Feb 02 18:48	21 ≈31 38 22°≈05'46	1°08'49	superior conj	13113 Jan 16 13:37	6° <b>≈</b> 05'17	1°25'04
mmmium ciong	13112 Feb 02 18.48 13112 Feb 06 19:24	0° <b>)</b>	1 00 7/	minimum elong	13113 Jan 16 15:47	6°≈16'34	
	20112100 00 17.24	· //		minimum clong	15115 Juli 10 15.4/	0 ~10 54	1 23 77

morning rise	13116 Sep 15 15:24	23° <b>m</b> 29'32		morning rise	13117 Aug 28 17:35	5° <b>m</b> ,27'25	
direct	13116 Sep 22 01:25	21° <b>m</b> 35'47		direct	13117 Sep 04 09:31	3° <b>m</b> 09'33	
morning max el	13116 Oct 06 09:20	29° <b>m</b> 23'14	27°38'01	morning max el	13117 Sep 18 14:00	11° <b>m</b> )08'15	27°58'23
	13116 Oct 07 00:07	0∘ <b>ত</b>			13117 Oct 03 09:47	0∘ <b>⊽</b>	
	13116 Oct 28 03:46	0° <b>M</b> .			13117 Oct 20 10:46	0° <b>M</b>	
asc. node	13116 Nov 03 04:47	11° <b>M</b> 25'21		asc. node	13117 Oct 21 01:29	1° <b>M</b> .14'27	
morning set	13116 Nov 07 01:18	19°M20'22		morning set	13117 Oct 22 02:50	3°M24'10	
morning sec	13116 Nov 11 23:12	0° <b>⊼</b>		max. Earth dist.	13117 Oct 22 02:30	15°M20'54	1.31602 AU
max. Earth dist.	13116 Nov 13 11:11	3° <b>∡</b> 19'58	1.31229 AU	max. Latin dist.	1311/ Oct 2/ 1/.21	13 1102034	1.51002 AC
max. Earm dist.	13110 NOV 13 11.11	3 X 1936	1.31229 AU		12117.0 + 20 11 55	100 <b>M</b> 15102	1012117
	1211631 14 01 47	40 7 41100	1007101	superior conj	13117 Oct 29 11:55	19°M 15'02	
superior conj	13116 Nov 14 01:47	4° <b>⋌</b> ¹41'23		minimum elong	13117 Oct 29 09:41	19° <b>M</b> .02'44	1°13'40
minimum elong	13116 Nov 13 23:59	4° <b>∡</b> ³31'25	1°28'03		13117 Nov 03 08:36	0° <b>∡</b>	
evening rise	13116 Nov 20 18:57	19° <b>∡</b> ′30'40		evening rise	13117 Nov 05 05:19	4° <b>∡</b> °03′20	
	13116 Nov 25 20:36	0°₹			13117 Nov 18 20:06	0°₹	
desc. node	13116 Dec 06 01:46	18° <b>る</b> 08'27		desc. node	13117 Nov 22 22:55	6° <b>る</b> 10'07	
	13116 Dec 14 15:59	0° <b>≈</b>		evening max el	13117 Dec 01 04:02	15° <b>る</b> 51'28	24°51'21
evening max el	13116 Dec 19 13:07	5° <b>≈</b> 13'25	26°16'23	retrograde	13117 Dec 14 22:43	22° <b>る</b> 44'54	
retrograde	13117 Jan 02 11:59	12° <b>≈</b> 18'45		evening set	13117 Dec 20 11:06	21° <b>る</b> 37'13	
evening set	13117 Jan 08 21:25	10° <b>≈</b> 40'31		min. Earth dist.	13117 Dec 25 15:54	18° <b>る</b> 52'10	0.56472 AU
min. Earth dist.	13117 Jan 13 02:36	8° <b>≈</b> 04'15	0.58378 AU	inferior conj	13117 Dec 28 05:25	17° <b>る</b> 13'37	
inferior conj	13117 Jan 16 05:09	5° <b>≈</b> 47'00		minimum elong	13117 Dec 28 13:00	17° <b>ろ</b> 01'26	
·	13117 Jan 16 13:39			•		17 30120 13° <b>る</b> 06'54	3 1930
minimum elong		5°≈31'19	4°09'50	morning rise	13118 Jan 05 17:04		
morning rise	13117 Jan 24 08:48	1°≈18'48		direct	13118 Jan 08 00:43	12°る51'53	
direct	13117 Jan 26 10:12	1° <b>≈</b> 04'35		asc. node	13118 Jan 17 01:16	16° <b>る</b> 57'52	
asc. node	13117 Jan 30 03:58	1° <b>≈</b> 54'16		morning max el	13118 Jan 17 14:46	17° <b>る</b> 29'34	19°24'28
morning max el	13117 Feb 03 16:11	5° <b>≈</b> 07'49	18°30'30		13118 Jan 26 17:31	0° <b>≈</b>	
	13117 Feb 19 06:41	0° <b>∀</b>		morning set	13118 Feb 03 16:34	15° <b>≈</b> 05′20	
morning set	13117 Feb 19 14:30	0° <b>)</b> 37′31			13118 Feb 11 03:55	0° <b>∀</b>	
superior conj	13117 Feb 28 14:57	17° <b>¥</b> 47'01	0°27'42	superior conj	13118 Feb 11 18:54	1° <b>¥</b> 13'13	0°55'40
minimum elong	13117 Feb 28 16:50	17° <b>¥</b> 55'41	0°27'43	minimum elong	13118 Feb 11 21:40	1° <b>¥</b> 26'43	0°55'50
desc. node	13117 Mar 04 02:42	24° <b>₭</b> 08'39		max. Earth dist.	13118 Feb 18 07:42	13° <b>¥</b> 33'40	1.38118 AU
	13117 Mar 07 10:16	0°Υ		desc. node	13118 Feb 18 23:15	14° <b>) (</b> 44'19	
max. Earth dist.	13117 Mar 08 01:13	1° <b>Υ′</b> 04'47	1.40368 AU	evening rise	13118 Feb 22 01:06	20° <b>)</b> 13′08	
	13117 Mar 08 01:13	8° <b>Υ</b> 17'12	1.40300 AU	evening rise	13118 Feb 27 19:33	20 <b>γ</b> (13 08	
evening rise		0°8				0°8	
	13117 Mar 26 04:38	_	22041107		13118 Mar 20 06:32	_	24050145
evening max el	13117 Apr 15 21:04	26° <b>8</b> 39'23	23°41'06	evening max el	13118 Mar 29 10:45	10° <b>8</b> 32'20	24°59'45
	13117 Apr 19 15:16	0°Щ		retrograde	13118 Apr 10 08:23	17° <b>8</b> 27'30	
retrograde	13117 Apr 26 17:38	3° <b>Ⅱ</b> 02'37		asc. node	13118 Apr 14 22:00	15° <b>8</b> 57'05	
asc. node	13117 Apr 28 00:36	2° <b>Ⅱ</b> 55'02		evening set	13118 Apr 16 01:38	15° <b>8</b> 04'12	
evening set	13117 May 01 23:08	0° <b>Ⅱ</b> 50′27		min. Earth dist.	13118 Apr 20 12:15	10° <b>8</b> 05'45	0.68109 AU
	13117 May 02 20:49	30° <b>₹</b> 8		inferior conj	13118 Apr 21 16:14	8° <b>8</b> 33'45	1°58'11
min. Earth dist.	13117 May 06 17:33	25° <b>8</b> 15'56	0.68725 AU	minimum elong	13118 Apr 21 14:05	8° <b>8</b> 40'47	1°56'59
inferior conj	13117 May 07 09:06	24° <b>8</b> 22'40	2°32'12	morning rise	13118 Apr 27 02:48	2° <b>8</b> 37'57	
minimum elong	13117 May 07 07:04	24° <b>8</b> 29'40	2°30'57	direct	13118 Apr 30 18:49	1° <b>8</b> 20'44	
morning rise	13117 May 12 14:58	18° <b>8</b> 18'08		morning max el	13118 May 07 22:49	5° <b>8</b> 17'41	19°28'42
direct	13117 May 16 18:58	16° <b>8</b> 40'17		desc. node	13118 May 18 01:23	18° <b>8</b> 04'46	
morning max el	13117 May 24 20:32	21° <b>8</b> 15'20	20°34'50	greatest brilliancy	13118 May 20 14:46	21° <b>8</b> 47'58	-0.7m
desc. node	13117 May 31 04:34	28° <b>8</b> 38'33	20 3 1 3 0	greatest orimaney	13118 May 26 02:20	0°Ⅱ	0.7111
desc. flode	13117 Jun 01 05:24	0°Ⅱ		morning sat	13118 Jun 02 02:56	10° <b>Ⅱ</b> 43'35	
				morning set			1 45020 ATT
	13117 Jun 21 17:43	0.20 0.20		max. Earth dist.	13118 Jun 14 08:49	29° <b>Ⅱ</b> 46'30	1.45039 AU
morning set	13117 Jun 23 01:44	2° <b>©</b> 03'41			13118 Jun 14 12:15	0	
max. Earth dist.	13117 Jul 01 18:18	15° <b>©</b> 46'33	1.43640 AU				
				superior conj	13118 Jun 18 10:14	6° <b>©</b> 12'52	
superior conj	13117 Jul 08 06:42	26°526'10		minimum elong	13118 Jun 18 12:47	6° <b>ॐ</b> 23'00	2°13'20
minimum elong	13117 Jul 08 13:32	26°954'36	1°57'20	evening rise	13118 Jul 02 12:35	29° <b>©</b> 15'04	
	13117 Jul 10 09:48	$0$ $^{\circ}$ $\Omega$			13118 Jul 02 23:22	$0$ $^{\circ}$ $\Omega$	
evening rise	13117 Jul 20 15:07	17° <b>Ω</b> 37'45		asc. node	13118 Jul 11 20:24	14° <b>Ω</b> 38'34	
asc. node	13117 Jul 24 23:36	25° <b>Ω</b> 14'47		evening max el	13118 Jul 21 01:16	27° <b>Ω</b> 11′01	18°12'37
	13117 Jul 27 18:14	0° <b>m</b> )			13118 Jul 24 22:27	0° <b>m</b>	
evening max el	13117 Aug 06 10:57	13° <b>m</b> ) 43'18	18°03'00	retrograde	13118 Jul 27 09:44	0° m/32'25	
retrograde	13117 Aug 12 23:37	17° m/05'33	-	<b>5</b> ·-	13118 Jul 29 20:37	30°R <b>Ω</b>	
evening set	13117 Aug 12 23:37	16° mp 34'15		evening set	13118 Jul 30 07:13	29° <b>Ω</b> 47'27	
inferior conj	•	10 m/3413	1°27'23	inferior conj	13118 Aug 05 07:39	$29^{\circ} \Omega^{4/2/}$ $24^{\circ} \Omega^{24/42}$	2°10'24
·	13117 Aug 22 02:12	-		-	-		
minimum elong	13117 Aug 22 04:27	11° Tp 23'28	1°26'12	minimum elong	13118 Aug 05 10:09	24°Ω17'41	
min. Earth dist.	13117 Aug 25 03:03	8° Mp 27'54	0.61581 AU	min. Earth dist.	13118 Aug 07 20:21	21° <b>Ω</b> 34'47	0.63765 AU
desc. node	13117 Aug 27 02:23	6° Mp 41'51		morning rise	13118 Aug 11 11:26	18° <b>Ω</b> 08'16	

desc. node	13118 Aug 13 23:52	16° <b>Ω</b> 32'48		minimum elong	13119 Jul 20 02:14	7° <b>Ω</b> 40'25	2°51'02
direct	13118 Aug 18 02:48	15° <b>Ω</b> 34'17		min. Earth dist.	13119 Jul 21 22:48	5° <b>Ω</b> 23'29	0.65660 AU
morning max el	13118 Aug 31 23:15	23° <b>Ω</b> 35′00	27°41'10	morning rise	13119 Jul 25 18:21	1° <b>Ω</b> 23′06	
	13118 Sep 06 16:57	0° <b>m</b> )			13119 Jul 27 16:30	30° <b>₹</b> ∽	
	13118 Sep 26 17:57	0∘ <b>ত</b>		desc. node	13119 Jul 31 21:18	28° <b>5</b> 42'48	
morning set	13118 Oct 05 20:41	17° <b>≏</b> 03'48		direct	13119 Aug 01 04:01	28° <b>5</b> 42'30	
asc. node	13118 Oct 07 22:07	21° <b>≏</b> 13'30			13119 Aug 06 01:29	$0^{\circ}\Omega$	
max. Earth dist.	13118 Oct 10 17:27	27° <b>♀</b> 03'44	1.32504 AU	morning max el	13119 Aug 14 10:25	6° <b>£</b> 33'11	26°52'04
	13118 Oct 12 02:38	0° <b>M</b> .			13119 Sep 01 12:14	0° <b>m</b> )	
				morning set	13119 Sep 19 03:59	0° <b>ჲ</b> 12'26	
superior conj	13118 Oct 13 18:36	3°M34'55	0°53'38	Č	13119 Sep 19 01:23	0∘ <b>⊽</b>	
minimum elong	13118 Oct 13 16:26	3°M23'13	0°53'43	max. Earth dist.	13119 Sep 23 08:19	8° <b>≏</b> 24'17	1.33927 AU
evening rise	13118 Oct 20 16:31	18°M35'57		asc. node	13119 Sep 24 18:42	11° <b>≏</b> 18'19	
8 21	13118 Oct 26 05:04	0° <b>∡</b> ¹			· · · · · · ·		
desc. node	13118 Nov 09 20:10	23°×7'02'03		superior conj	13119 Sep 27 19:34	17° <b>≏</b> 35'14	0°28'37
evening max el	13118 Nov 12 14:00	25° × 56'05	23°10'29	minimum elong	13119 Sep 27 18:08		0°28'32
e venning man er	13118 Nov 17 16:42	0°ਰ	25 10 25	g	13119 Oct 03 16:01	0°M	0 2032
retrograde	13118 Nov 25 20:29	2° <b>る</b> 31'59		evening rise	13119 Oct 05 10:01	3°ML03'31	
evening set	13118 Nov 30 01:37	1°る53'24		evening rise	13119 Oct 09 02:42	0° <b>⊼</b> ¹	
evening set	13118 Nov 30 01:37	30°R. <b>₹</b>		evening max el	13119 Oct 25 04:03	6° <b>∡</b> <sup>7</sup> 03'23	21°31'//2
min. Earth dist.	13118 Dec 04 13.47	28° <b>∡</b> <sup>7</sup> 40'36	0.55097 AU	desc. node	13119 Oct 23 04:03	8° <b>×</b> 19'37	21 31 42
	13118 Dec 08 10:00	27° × 50'50		retrograde	13119 Oct 27 17:31 13119 Nov 06 08:59	12° <b>х</b> 1937	
inferior conj	13118 Dec 08 10:00 13118 Dec 08 11:02	27° <b>x</b> ′30′30′ 27° <b>x</b> ′49′21		Č			
minimum elong			5°54'12	evening set	13119 Nov 09 05:20	11° <b>х</b> 48'41	5022110
morning rise	13118 Dec 16 22:02	24°×700'40		inferior conj	13119 Nov 18 02:34	7° <b>х</b> 54'36	
direct	13118 Dec 19 20:24	23° <b>х</b> 40'17	20044126	minimum elong	13119 Nov 17 19:06	8° <b>₹</b> 05'04	
morning max el	13118 Dec 30 23:38	28° <b>₹</b> '58'56	20°41'36	min. Earth dist.	13119 Nov 18 05:38	7° <b>∡</b> ′50′18	0.54519 AU
_	13119 Jan 01 00:10	0° <b>ろ</b>		morning rise	13119 Nov 26 09:45	4° <b>∡</b> ¹06'09	
asc. node	13119 Jan 03 22:27	3° <b>පි</b> 23'10		direct	13119 Nov 30 04:33	3° <b>⋌</b> ¹35'09	
morning set	13119 Jan 19 00:10	29° <b>る</b> 45'54		morning max el	13119 Dec 12 18:49	9° <b>∡</b> ³37′07	22°19'15
	13119 Jan 19 02:54	0° <b>≈</b>		asc. node	13119 Dec 21 19:34	20° <b>∡</b> 52'54	
					13119 Dec 27 04:29	0°ಕ	
superior conj	13119 Jan 26 11:06	15° <b>≈</b> 12'34		morning set	13120 Jan 03 10:51	14° <b>る</b> 31'41	
minimum elong	13119 Jan 26 13:41	15° <b>≈</b> 25'42	1°16'51				
max. Earth dist.	13119 Jan 31 16:05	25° <b>≈</b> 34'38	1.35961 AU	superior conj	13120 Jan 10 11:56	29° <b>る</b> 34'15	1°30'03
	13119 Feb 02 23:41	0° <b>∀</b>		minimum elong	13120 Jan 10 13:42	29° <b>る</b> 43'36	1°30'50
evening rise	13119 Feb 04 13:19	2° <b>升</b> 55′25			13120 Jan 10 16:48	0° <b>≈</b>	
desc. node	13119 Feb 05 19:50	5° <b>升</b> 15′05		max. Earth dist.	13120 Jan 14 06:17	7° <b>≈</b> 25'25	1.34103 AU
	13119 Feb 20 19:32	$0$ ° $\mathbf{\Upsilon}$		evening rise	13120 Jan 18 16:24	16° <b>≈</b> 14′26	
evening max el	13119 Mar 12 00:18	24° <b>Y</b> '22'45	26°08'58	desc. node	13120 Jan 23 16:29	25° <b>≈</b> 36′10	
	13119 Mar 19 04:10	$0^{\circ}$ 8			13120 Jan 26 04:01	0° <b>∀</b>	
retrograde	13119 Mar 24 18:14	1° <b>8</b> 39'09			13120 Feb 15 07:12	$0^{\circ}$ Y	
	13119 Mar 29 19:12	30° <b>ŖƳ</b>		evening max el	13120 Feb 22 13:48	8° <b>Ƴ</b> 02'17	27°01'30
evening set	13119 Mar 30 22:42	29° <b>Y</b> 08'33		retrograde	13120 Mar 06 22:27	15° <b>Ƴ</b> 28'44	
asc. node	13119 Apr 01 19:25	27° <b>Y</b> 23'35		evening set	13120 Mar 13 12:20	12° <b>Ƴ</b> 56′12	
min. Earth dist.	13119 Apr 04 02:49	24° <b>Y</b> 45'19	0.67060 AU	min. Earth dist.	13120 Mar 17 11:09	9° <b>Ƴ</b> 06′27	0.65610 AU
inferior conj	13119 Apr 05 19:12	22° <b>Y</b> ′40'22	1°13'43	asc. node	13120 Mar 18 16:52	7° <b>Ƴ</b> 42'11	
minimum elong	13119 Apr 05 17:32	22° <b>Y</b> '45'35	1°12'49	inferior conj	13120 Mar 19 15:45	6° <b>Ƴ</b> 36′26	0°18'18
morning rise	13119 Apr 11 13:09	16° <b>Ƴ</b> 54'50		minimum elong	13120 Mar 19 15:15	6° <b>Ƴ</b> 37'53	0°18'06
direct	13119 Apr 14 18:04	15° <b>Y</b> 56'35		morning rise	13120 Mar 25 19:40	1° <b>Y</b> 03'02	
morning max el	13119 Apr 21 08:24	19° <b>Ƴ</b> 28'36	18°38'21	direct	13120 Mar 28 14:42	0° <b>Y</b> 20'51	
C	13119 Apr 29 15:34	0°B		morning max el	13120 Apr 03 23:17	3° <b>Ƴ</b> 40'39	18°04'38
desc. node	13119 May 04 22:06	7° <b>8</b> 56'50		desc. node	13120 Apr 20 18:42	28° <b>Y</b> ′07′00	
morning set	13119 May 12 17:39	20° <b>8</b> 08'02			13120 Apr 21 22:30	0°B	
3	13119 May 19 00:58	0°II		morning set	13120 Apr 22 11:17	0° <b>8</b> 51'57	
max. Earth dist.	13119 May 28 03:33		1.45748 AU		теления по		
man. Darut dige.	10119 1114, 20 00.00	2.3.10	1.10,10110	superior conj	13120 May 07 06:09	24° <b>8</b> 32'19	-1°46'01
superior conj	13119 May 28 20:51	15° <b>Ⅱ</b> 20'51	-2°09'00	minimum elong	13120 May 07 00:09	23° <b>8</b> 56'14	
minimum elong	13119 May 28 15:44	15° <b>Ⅱ</b> 00'52		max. Earth dist.	13120 May 09 23:23		1.45707 AU
Clong	13119 Jun 07 04:45	0°95	2 07 73	max. Darm dist.	13120 May 10 17:46	0°Ⅱ	1.15/0/ AU
evening rise	13119 Jun 13 09:50	9° <b>9</b> 51'35		evening rise	13120 May 10 17:40 13120 May 23 08:41	19° <b>Ⅱ</b> 35'17	
greatest brilliancy	13119 Jun 20 22:07	21°548'36	-0.9m	Croning Hisc	13120 May 30 02:58	0°©	
greatest oriniancy	13119 Jun 26 05:21	21 948 30 0°Ω	V.7111	greatest brilliancy	13120 May 30 02.38 13120 Jun 05 02:13	0 9 9° <b>9</b> 02'15	-0.7m
asc. node	13119 Jun 28 17:17	3° <b>Ω</b> 38'10		asc. node	13120 Jun 14 14:15	9 <b>30</b> 2 13 22° <b>5</b> 04'51	· (). / III
			18°40'01		13120 Jun 14 14:13 13120 Jun 16 21:43	24°936'31	19°24'23
evening max el	13119 Jul 04 13:37 13119 Jul 11 03:06	10° <b>Ω</b> 50'44 14° <b>Ω</b> 24'51	10 4001	evening max el		28°935'46	17 44 43
retrograde	13119 Jul 11 03:06 13119 Jul 14 09:10	$13^{\circ} \Omega 24'31$		retrograde evening set	13120 Jun 24 00:27 13120 Jun 27 15:37	28°935'46 27°919'01	
evening set inferior conj	13119 Jul 14 09:10 13119 Jul 20 00:22	7° <b>Ω</b> 46'10	2052!11	-		21°9319'01 21°9326'47	3000100
annand COM	13119 Jul 20 00.22	/ 064010	4 34 11	inferior conj	13120 Jul 03 01:00	/ 4 02 د ت ۱ د	3 0700

minimum elong	13120 Jul 03 01:52	21° <b>©</b> 23'55	3°08'07	minimum elong	13121 Jun 17 06:37	5° <b>5</b> 21'34	3°11'54
min. Earth dist.	13120 Jul 04 08:54	19° <b>©</b> 41'56	0.67156 AU	min. Earth dist.	13121 Jun 18 00:37	4° <b>©</b> 19'54	0.68203 AU
morning rise	13120 Jul 08 11:36	15° <b>5</b> 03'01			13121 Jun 21 12:13	30°RⅡ	
direct	13120 Jul 14 12:02	12° <b>©</b> 25'16		morning rise	13121 Jun 22 12:40	29° <b>Ⅱ</b> 00′18	
desc. node	13120 Jul 17 18:37	13° <b>©</b> 04'35		direct	13121 Jun 28 01:35	26° <b>Ⅲ</b> 33'32	
morning max el	13120 Jul 26 21:18	19° <b>©</b> 50'28	25°39'43	desc. node	13121 Jul 04 15:50	29° <b>Ⅱ</b> 12'04	
	13120 Aug 04 13:41	$0$ $^{\circ}\Omega$			13121 Jul 05 16:53	0ංම	
	13120 Aug 24 14:55	0° <b>m</b> )		morning max el	13121 Jul 09 07:20	3° <b>©</b> 17'37	24°13'52
morning set	13120 Aug 31 21:05	12° mp 41'21			13121 Jul 29 17:22	0°N	
max. Earth dist.	13120 Sep 04 13:02		1.35825 AU	morning set	13121 Aug 13 19:27	24° <b>Ω</b> 18'27	
	13120 Sep 09 22:18	0∘ <b>⊽</b>		Fauth diet	13121 Aug 17 01:19	0° <b>m</b>	1 20070 AII
superior conj	13120 Sep 10 12:09	1° <b>≏</b> 09'28	0°01'14	max. Earth dist.	13121 Aug 17 11:11	0° Mp 44'06	1.38070 AU
minimum elong	13120 Sep 10 12:09 13120 Sep 10 12:14	1° <b>⊆</b> 09′51	0°01'19	superior conj	13121 Aug 24 16:56	14° <b>m</b> ) 08'42	-0°34'43
behind sun begin	13120 Sep 10 12:14 13120 Sep 10 06:02	ე° <b>ჲ</b> 38'43	0 01 17	minimum elong	13121 Aug 24 19:20	14° <b>m</b> ) 20'11	0°34'40
behind sun end	13120 Sep 10 00:02 13120 Sep 10 18:26	1° <b>⊆</b> 41'03		asc. node	13121 Aug 28 11:51	21° <b>m</b> ) 29'48	0 34 40
asc. node	13120 Sep 10 15:18	1° <b>£</b> 25'18		use. noue	13121 Sep 01 18:59	0° <b>⊽</b>	
evening rise	13120 Sep 18 09:45	17° <b>£</b> 20'39		evening rise	13121 Sep 02 11:10	1° <b>£</b> 20'11	
S	13120 Sep 24 19:31	0° <b>M</b> .		evening max el	13121 Sep 18 23:12	28° <b>≙</b> 19'50	19°06'23
evening max el	13120 Oct 06 06:35	16°ML47'36	20°08'33		13121 Sep 20 19:46	0°M	
desc. node	13120 Oct 13 14:57	21°M35'24		retrograde	13121 Sep 27 22:54	2°M49'42	
retrograde	13120 Oct 16 21:44	22°ML04'58		evening set	13121 Sep 29 19:27	2°M38'58	
evening set	13120 Oct 18 22:18	21°M54'20		desc. node	13121 Sep 30 12:26	2°M29'29	
inferior conj	13120 Oct 27 21:00	17°M56'30	-4°13'53		13121 Oct 05 21:07	30° <b>₹</b> Ω	
minimum elong	13120 Oct 27 11:03	18°MJ11'21	4°10'12	inferior conj	13121 Oct 08 06:16	28° <b>≏</b> 25'48	
min. Earth dist.	13120 Oct 29 13:38	16°M55'50	0.54884 AU	minimum elong	13121 Oct 07 24:00	28° <b>≏</b> 36'29	
morning rise	13120 Nov 04 22:46	13°M49'16		min. Earth dist.	13121 Oct 11 01:28	26° <b>£</b> 31'49	0.56135 AU
direct	13120 Nov 09 15:19	13°ML01'30	2.400712.6	morning rise	13121 Oct 16 01:43	23° <b>£</b> 44'58	
morning max el	13120 Nov 23 05:45	19°M42'43	24°07'36	direct	13121 Oct 21 14:01	22° <b>₽</b> 34'22	25950100
asc. node	13120 Dec 01 20:57 13120 Dec 07 16:34	0° <b>ᡘ</b> ¹ 9° <b>ᡘ</b> ¹11'53		morning max el	13121 Nov 04 16:45 13121 Nov 04 22:23	29° <b>≗</b> 46'28 0° <b>™</b>	25°50'00
morning set	13120 Dec 07 10.34 13120 Dec 17 22:43	29° <b>х</b> 17'24		asc. node	13121 Nov 04 22.23 13121 Nov 24 13:28	28° <b>M</b> L07'01	
morning set	13120 Dec 17 22:45 13120 Dec 18 06:40	0°ਰ		ase. node	13121 Nov 25 13:26	0°×7	
		• •		morning set	13121 Dec 02 10:01	13° <b>₹</b> 757'28	
				morning set	13121 Dec 02 10.01		
superior conj	13120 Dec 24 18:36	14° <b>ප</b> 10'13	1°37'06	morning set	13121 Dec 02 10.01	13 × 37 20	
superior conj minimum elong	13120 Dec 24 18:36 13120 Dec 24 19:18	14°පි10'13 14°පි14'00	1°37'06 1°38'04	superior conj	13121 Dec 02 10:01 13121 Dec 09 04:43	28° <b>∡</b> 52'48	1°37'57
							1°37'57 1°38'56
minimum elong	13120 Dec 24 19:18	14° <b>る</b> 14'00	1°38'04	superior conj	13121 Dec 09 04:43	28° <b>∡</b> ′52'48	
minimum elong max. Earth dist.	13120 Dec 24 19:18 13120 Dec 27 04:20	14°පි14'00 19°පි22'29	1°38'04	superior conj minimum elong max. Earth dist.	13121 Dec 09 04:43 13121 Dec 09 04:19	28° 矛52'48 28° 矛50'34 0° る 1°る29'27	
minimum elong max. Earth dist.	13120 Dec 24 19:18 13120 Dec 27 04:20 13121 Jan 01 07:01 13121 Jan 01 06:35 13121 Jan 09 13:15	14°る14'00 19°る22'29 0°≈02'13 0°≈ 15°≈42'46	1°38'04	superior conj minimum elong	13121 Dec 09 04:43 13121 Dec 09 04:19 13121 Dec 09 16:51	28° ₹52'48 28° ₹50'34 0° ጜ 1° ጜ29'27 14° ጜ10'19	1°38'56
minimum elong max. Earth dist. evening rise desc. node	13120 Dec 24 19:18 13120 Dec 27 04:20 13121 Jan 01 07:01 13121 Jan 01 06:35 13121 Jan 09 13:15 13121 Jan 18 05:02	14°♂14'00 19°♂22'29 0°≈02'13 0°≈ 15°≈42'46 0°¥	1°38'04 1.32673 AU	superior conj minimum elong max. Earth dist. evening rise	13121 Dec 09 04:43 13121 Dec 09 04:19 13121 Dec 09 16:51 13121 Dec 10 09:01 13121 Dec 16 06:09 13121 Dec 24 08:08	28° ₹ 52'48 28° ₹ 50'34 0° ₹ 1° ₹ 29'27 14° ₹ 10'19 0° ≈	1°38'56
minimum elong max. Earth dist. evening rise  desc. node evening max el	13120 Dec 24 19:18 13120 Dec 27 04:20 13121 Jan 01 07:01 13121 Jan 01 06:35 13121 Jan 09 13:15 13121 Jan 18 05:02 13121 Feb 04 02:21	14°♂14'00 19°♂22'29 0°≈02'13 0°≈ 15°≈42'46 0°升 21°升21'01	1°38'04 1.32673 AU	superior conj minimum elong max. Earth dist.	13121 Dec 09 04:43 13121 Dec 09 04:19 13121 Dec 09 16:51 13121 Dec 10 09:01 13121 Dec 16 06:09 13121 Dec 24 08:08 13121 Dec 27 10:07	28° \$\times 52'48 28° \$\times 50'34 0° \times 10'32'27 14° \times 10'19 0° \times 5° \times 27'55	1°38'56
minimum elong max. Earth dist. evening rise  desc. node  evening max el retrograde	13120 Dec 24 19:18 13120 Dec 27 04:20 13121 Jan 01 07:01 13121 Jan 01 06:35 13121 Jan 09 13:15 13121 Jan 18 05:02 13121 Feb 04 02:21 13121 Feb 17 20:02	14°♂14'00 19°♂22'29 0°≈02'13 0°≈ 15°≈42'46 0°¥ 21°¥21'01 28°¥47'22	1°38'04 1.32673 AU	superior conj minimum elong max. Earth dist. evening rise desc. node	13121 Dec 09 04:43 13121 Dec 09 04:19 13121 Dec 09 16:51 13121 Dec 10 09:01 13121 Dec 16 06:09 13121 Dec 24 08:08 13121 Dec 27 10:07 13122 Jan 13 13:04	28° \$752'48 28° \$750'34 0° \$3 1° \$7529'27 14° \$710'19 0° \$25° \$27'55 0° \$7	1°38'56 1.31721 AU
minimum elong max. Earth dist. evening rise  desc. node  evening max el retrograde evening set	13120 Dec 24 19:18 13120 Dec 27 04:20 13121 Jan 01 07:01 13121 Jan 01 06:35 13121 Jan 09 13:15 13121 Jan 18 05:02 13121 Feb 04 02:21 13121 Feb 17 20:02 13121 Feb 24 16:18	14°♂14'00 19°♂22'29 0°≈02'13 0°≈ 15°≈42'46 0° ¥ 21°¥21'01 28°¥47'22 26°¥19'55	1°38'04 1.32673 AU 27°30'04	superior conj minimum elong max. Earth dist. evening rise desc. node evening max el	13121 Dec 09 04:43 13121 Dec 09 04:19 13121 Dec 09 16:51 13121 Dec 10 09:01 13121 Dec 16 06:09 13121 Dec 24 08:08 13121 Dec 27 10:07 13122 Jan 13 13:04 13122 Jan 17 11:54	28° \$\frac{7}{5}2'48 28° \$\frac{7}{5}0'34 0° \frac{7}{6} 1° \frac{7}{6}29'27 14° \frac{7}{6}10'19 0° \approx 5° \approx 27'55 0°  4° \text{ \frac{7}{6}06'15}	1°38'56 1.31721 AU
minimum elong max. Earth dist. evening rise  desc. node  evening max el retrograde evening set min. Earth dist.	13120 Dec 24 19:18 13120 Dec 27 04:20 13121 Jan 01 07:01 13121 Jan 01 06:35 13121 Jan 09 13:15 13121 Jan 18 05:02 13121 Feb 04 02:21 13121 Feb 17 20:02 13121 Feb 24 16:18 13121 Feb 28 11:27	14°♂14'00 19°♂22'29 0°≈02'13 0°≈ 15°≈42'46 0° ¥ 21°¥21'01 28°¥47'22 26°¥19'55 23°¥00'26	1°38'04 1.32673 AU 27°30'04 0.63819 AU	superior conj minimum elong max. Earth dist. evening rise desc. node evening max el retrograde	13121 Dec 09 04:43 13121 Dec 09 04:19 13121 Dec 09 16:51 13121 Dec 10 09:01 13121 Dec 16 06:09 13121 Dec 24 08:08 13121 Dec 27 10:07 13122 Jan 13 13:04 13122 Jan 17 11:54 13122 Jan 31 09:47	28° ₹52'48 28° ₹50'34 0° ♂ 1° ♂29'27 14° ♂10'19 0° ≈ 5° ≈27'55 0° ¥ 4° ¥06'15 11° ¥25'42	1°38'56 1.31721 AU
minimum elong max. Earth dist. evening rise  desc. node  evening max el retrograde evening set min. Earth dist. inferior conj	13120 Dec 24 19:18 13120 Dec 27 04:20 13121 Jan 01 07:01 13121 Jan 01 06:35 13121 Jan 09 13:15 13121 Jan 18 05:02 13121 Feb 04 02:21 13121 Feb 17 20:02 13121 Feb 24 16:18 13121 Feb 28 11:27 13121 Mar 03 03:16	14°♂14'00 19°♂22'29 0°≈02'13 0°≈ 15°≈42'46 0° ¥ 21°¥21'01 28°¥47'22 26°¥19'55 23°¥00'26 20°¥15'49	1°38'04 1.32673 AU 27°30'04 0.63819 AU -0°48'08	superior conj minimum elong max. Earth dist. evening rise desc. node evening max el retrograde evening set	13121 Dec 09 04:43 13121 Dec 09 04:19 13121 Dec 09 16:51 13121 Dec 10 09:01 13121 Dec 16 06:09 13121 Dec 24 08:08 13121 Dec 27 10:07 13122 Jan 13 13:04 13122 Jan 17 11:54 13122 Jan 31 09:47 13122 Feb 07 07:47	28° \$\frac{1}{2}52'48 28° \$\frac{1}{2}50'34 0° \$\frac{1}{2}0'327 14° \$\frac{1}{2}0'19 0° \$\simes 27'55 0° \$\frac{1}{2}4° \$\frac{1}{2}0'15 11° \$\frac{1}{2}25'42 9° \$\frac{1}{2}11'12	1°38'56 1.31721 AU 27°28'23
minimum elong max. Earth dist. evening rise  desc. node  evening max el retrograde evening set min. Earth dist. inferior conj minimum elong	13120 Dec 24 19:18 13120 Dec 27 04:20 13121 Jan 01 07:01 13121 Jan 01 06:35 13121 Jan 09 13:15 13121 Jan 18 05:02 13121 Feb 04 02:21 13121 Feb 17 20:02 13121 Feb 24 16:18 13121 Feb 28 11:27 13121 Mar 03 03:16 13121 Mar 03 04:47	14°♂14'00 19°♂22'29 0°≈02'13 0°≈ 15°≈42'46 0° ¥ 21° ¥21'01 28° ¥47'22 26° ¥19'55 23° ¥00'26 20° ¥15'49 20° ¥11'53	1°38'04 1.32673 AU 27°30'04 0.63819 AU -0°48'08	superior conj minimum elong max. Earth dist. evening rise desc. node evening max el retrograde evening set min. Earth dist.	13121 Dec 09 04:43 13121 Dec 09 04:19 13121 Dec 09 16:51 13121 Dec 10 09:01 13121 Dec 16 06:09 13121 Dec 24 08:08 13121 Dec 27 10:07 13122 Jan 13 13:04 13122 Jan 31 09:47 13122 Feb 07 07:47 13122 Feb 11 01:56	28° \$\frac{1}{2}52'48 28° \$\frac{1}{2}50'34 0° \frac{1}{2}0"\frac{1}{2}29'27 14° \frac{1}{2}10'19 0° \times 5° \times27'55 0° \times 4° \times06'15 11° \times25'42 9° \times11'12 6° \times16'38	1°38'56 1.31721 AU 27°28'23 0.61771 AU
minimum elong max. Earth dist. evening rise  desc. node  evening max el retrograde evening set min. Earth dist. inferior conj minimum elong asc. node	13120 Dec 24 19:18 13120 Dec 27 04:20 13121 Jan 01 07:01 13121 Jan 01 06:35 13121 Jan 09 13:15 13121 Jan 18 05:02 13121 Feb 04 02:21 13121 Feb 17 20:02 13121 Feb 24 16:18 13121 Feb 28 11:27 13121 Mar 03 03:16 13121 Mar 03 04:47 13121 Mar 05 14:19	14°る14'00 19°る22'29 0°≈02'13 0°≈ 15°≈42'46 0°米 21°米21'01 28° ¥47'22 26° ¥19'55 23° ¥00'26 20° ¥15'49 20° ¥11'53 17° ¥49'51	1°38'04 1.32673 AU 27°30'04 0.63819 AU -0°48'08	superior conj minimum elong max. Earth dist. evening rise desc. node evening max el retrograde evening set min. Earth dist. inferior conj	13121 Dec 09 04:43 13121 Dec 09 04:19 13121 Dec 09 16:51 13121 Dec 10 09:01 13121 Dec 16 06:09 13121 Dec 24 08:08 13121 Dec 27 10:07 13122 Jan 13 13:04 13122 Jan 31 09:47 13122 Feb 07 07:47 13122 Feb 11 01:56 13122 Feb 14 02:34	28° \$\frac{1}{2}52'48 28° \$\frac{1}{2}50'34 0° \$\frac{1}{2}529'27 14° \$\frac{1}{2}0'19 0° \$\infty\$ 5° \$\infty 27'55 0° \$\frac{1}{2}42 9° \$\frac{1}{2}11'12 6° \$\frac{1}{2}6'38 3° \$\frac{1}{2}30'30	1°38'56 1.31721 AU 27°28'23 0.61771 AU -2°04'27
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minimum elong max. Earth dist. evening rise  desc. node  evening max el retrograde evening set min. Earth dist. inferior conj minimum elong asc. node morning rise direct morning max el  morning set desc. node  superior conj minimum elong max. Earth dist.	13120 Dec 24 19:18 13120 Dec 27 04:20 13121 Jan 01 07:01 13121 Jan 01 06:35 13121 Jan 09 13:15 13121 Jan 18 05:02 13121 Feb 04 02:21 13121 Feb 17 20:02 13121 Feb 24 16:18 13121 Feb 28 11:27 13121 Mar 03 03:16 13121 Mar 03 04:47 13121 Mar 05 14:19 13121 Mar 09 19:30 13121 Mar 12 06:11 13121 Mar 18 16:47 13121 Mar 27 15:38 13121 Apr 04 08:23 13121 Apr 04 08:23 13121 Apr 14 12:39  13121 Apr 17 06:45 13121 Apr 16 23:38 13121 Apr 16 23:38 13121 Apr 22 18:10	14°♂14'00 19°♂22'29 0°≈02'13 0°≈ 15°≈42'46 0° € 21° € € € € € € € € € € € € € € € € € € €	1°38'04 1.32673 AU 27°30'04 0.63819 AU -0°48'08 0°47'13 17°48'02	superior conj minimum elong  max. Earth dist. evening rise  desc. node  evening max el retrograde evening set min. Earth dist. inferior conj minimum elong  asc. node morning rise direct  morning max el morning set  desc. node	13121 Dec 09 04:43 13121 Dec 09 04:19 13121 Dec 09 16:51 13121 Dec 10 09:01 13121 Dec 16 06:09 13121 Dec 24 08:08 13121 Dec 27 10:07 13122 Jan 13 13:04 13122 Jan 17 11:54 13122 Feb 07 07:47 13122 Feb 11 01:56 13122 Feb 14 02:34 13122 Feb 14 06:54 13122 Feb 18 08:31 13122 Feb 20 11:45 13122 Feb 21 10:50 13122 Feb 23 13:19 13122 Feb 23 13:19 13122 Feb 28 13:09 13122 Mar 02 09:49 13122 Mar 18 03:23 13122 Mar 20 09:01 13122 Mar 25 11:47	28° ₹52'48 28° ₹50'34 0°♂ 1°♂29'27 14°♂10'19 0°≈ 5°≈27'55 0° ₩ 4° ₩06'15 11° ₩25'42 9° ₩11'12 6° ₩16'38 3° ₩30'30 3° ₩20'33 30° R≈ 28°≈48'40 28°≈28'59 28°≈08'03 0° ₩ 1° ₩36'06 26° ₩00'29 0° Ψ 9° Ψ01'37	1°38'56  1.31721 AU  27°28'23  0.61771 AU -2°04'27 2°02'11
minimum elong max. Earth dist. evening rise  desc. node  evening max el retrograde evening set min. Earth dist. inferior conj minimum elong asc. node morning rise direct morning max el  morning set desc. node  superior conj minimum elong	13120 Dec 24 19:18 13120 Dec 27 04:20 13121 Jan 01 07:01 13121 Jan 01 06:35 13121 Jan 09 13:15 13121 Jan 18 05:02 13121 Feb 04 02:21 13121 Feb 17 20:02 13121 Feb 24 16:18 13121 Feb 28 11:27 13121 Mar 03 03:16 13121 Mar 03 04:47 13121 Mar 05 14:19 13121 Mar 09 19:30 13121 Mar 12 06:11 13121 Mar 18 16:47 13121 Mar 27 15:38 13121 Apr 04 08:23 13121 Apr 04 08:23 13121 Apr 14 12:39  13121 Apr 17 06:45 13121 Apr 16 23:38 13121 Apr 22 18:10 13121 May 02 20:06	14°る14'00 19°る22'29 0°≈02'13 0°≈ 15°≈42'46 0°	1°38'04 1.32673 AU 27°30'04 0.63819 AU -0°48'08 0°47'13 17°48'02	superior conj minimum elong  max. Earth dist. evening rise  desc. node  evening max el retrograde evening set min. Earth dist. inferior conj minimum elong  asc. node morning rise direct  morning max el morning set  desc. node  superior conj	13121 Dec 09 04:43 13121 Dec 09 04:19 13121 Dec 09 16:51 13121 Dec 10 09:01 13121 Dec 16 06:09 13121 Dec 24 08:08 13121 Dec 27 10:07 13122 Jan 13 13:04 13122 Jan 17 11:54 13122 Feb 07 07:47 13122 Feb 11 01:56 13122 Feb 14 02:34 13122 Feb 14 06:54 13122 Feb 18 08:31 13122 Feb 20 11:45 13122 Feb 21 10:50 13122 Feb 21 08:50 13122 Feb 23 13:19 13122 Feb 28 13:09 13122 Mar 02 09:49 13122 Mar 18 03:23 13122 Mar 20 09:01 13122 Mar 25 11:47	28° ₹52'48 28° ₹50'34 0° ₹ 1° ₹29'27 14° ₹10'19 0° ≈ 5° ≈27'55 0° ₩ 4° ₩06'15 11° ₩25'42 9° ₩11'12 6° ₩16'38 3° ₩30'30 3° ₩20'33 30° ₹≈ 28° ≈48'40 28° ≈28'59 28° ≈08'03 0° ₩ 1° ₩36'06 26° ₩00'29 0° Ψ 9° Ψ01'37	1°38'56  1.31721 AU  27°28'23  0.61771 AU -2°04'27 2°02'11  17°49'19  -0°29'26
minimum elong max. Earth dist. evening rise  desc. node  evening max el retrograde evening set min. Earth dist. inferior conj minimum elong asc. node morning rise direct morning max el  morning set desc. node  superior conj minimum elong max. Earth dist.	13120 Dec 24 19:18 13120 Dec 27 04:20 13121 Jan 01 07:01 13121 Jan 01 06:35 13121 Jan 09 13:15 13121 Jan 18 05:02 13121 Feb 04 02:21 13121 Feb 17 20:02 13121 Feb 24 16:18 13121 Feb 28 11:27 13121 Mar 03 03:16 13121 Mar 03 04:47 13121 Mar 09 19:30 13121 Mar 09 19:30 13121 Mar 12 06:11 13121 Mar 18 16:47 13121 Mar 27 15:38 13121 Apr 04 08:23 13121 Apr 04 08:23 13121 Apr 17 06:45 13121 Apr 17 06:45 13121 Apr 16 23:38 13121 Apr 22 18:10 13121 May 02 20:06 13121 May 03 12:21	14°る14'00 19°る22'29 0°≈02'13 0°≈ 15°≈42'46 0° 光 21° 光21'01 28° 光47'22 26° 光19'55 23° 光00'26 20° 光15'49 20° 光11'53 17° 光49'51 14° 光56'52 14° 光27'11 17° 光46'01 0° Y 12° Y55'10 18° Y29'59 0° と	1°38'04 1.32673 AU 27°30'04 0.63819 AU -0°48'08 0°47'13 17°48'02	superior conj minimum elong  max. Earth dist. evening rise  desc. node  evening max el retrograde evening set min. Earth dist. inferior conj minimum elong  asc. node morning rise direct  morning max el morning set  desc. node  superior conj minimum elong	13121 Dec 09 04:43 13121 Dec 09 04:19 13121 Dec 09 16:51 13121 Dec 10 09:01 13121 Dec 16 06:09 13121 Dec 24 08:08 13121 Dec 27 10:07 13122 Jan 13 13:04 13122 Jan 17 11:54 13122 Feb 07 07:47 13122 Feb 11 01:56 13122 Feb 14 02:34 13122 Feb 14 06:54 13122 Feb 18 08:31 13122 Feb 20 11:45 13122 Feb 21 10:50 13122 Feb 23 13:19 13122 Feb 28 13:09 13122 Mar 02 09:49 13122 Mar 20 09:01 13122 Mar 29 07:02 13122 Mar 29 07:02 13122 Mar 29 07:02	28° ₹52'48 28° ₹50'34 0° ₹ 1° ₹29'27 14° ₹10'19 0° ≈ 5° ≈27'55 0° ₩ 4° ₩06'15 11° ₩25'42 9° ₩11'12 6° ₩16'38 3° ₩30'30 3° ₩20'33 30° ₹≈ 28° ≈48'40 28° ≈28'59 28° ≈08'03 0° ₩ 1° ₩36'06 26° ₩00'29 0° ♀ 9° ♀01'37	1°38'56  1.31721 AU  27°28'23  0.61771 AU -2°04'27 2°02'11  17°49'19  -0°29'26 0°29'10
minimum elong max. Earth dist. evening rise  desc. node  evening max el retrograde evening set min. Earth dist. inferior conj minimum elong asc. node morning rise direct morning max el  morning set desc. node  superior conj minimum elong max. Earth dist. evening rise	13120 Dec 24 19:18 13120 Dec 27 04:20 13121 Jan 01 07:01 13121 Jan 01 06:35 13121 Jan 09 13:15 13121 Jan 18 05:02 13121 Feb 04 02:21 13121 Feb 17 20:02 13121 Feb 24 16:18 13121 Feb 28 11:27 13121 Mar 03 03:16 13121 Mar 03 04:47 13121 Mar 09 19:30 13121 Mar 12 06:11 13121 Mar 12 06:11 13121 Mar 27 15:38 13121 Apr 04 08:23 13121 Apr 04 08:23 13121 Apr 14 12:39  13121 Apr 17 06:45 13121 Apr 22 18:10 13121 May 02 20:06 13121 May 03 12:21 13121 May 03 12:21 13121 May 03 12:21	14°る14'00 19°る22'29 0°≈02'13 0°≈ 15°≈42'46 0° ¥ 21° ¥21'01 28° ¥47'22 26° ¥19'55 23° ¥00'26 20° ¥11'53 17° ¥49'51 14° ¥56'52 14° ¥27'11 17° ¥46'01 0° ♀ 12° ♀55'10 18° ♀29'59 0° ௧ 4° ₺29'52 4° ₺00'59 13° ₺16'30 28° ₺57'51 0° Ⅲ 0° ♀	1°38'04 1.32673 AU 27°30'04 0.63819 AU -0°48'08 0°47'13 17°48'02 -1°09'49 1°09'22 1.44938 AU	superior conj minimum elong  max. Earth dist. evening rise  desc. node  evening max el retrograde evening set min. Earth dist. inferior conj minimum elong  asc. node morning rise direct  morning max el morning set  desc. node  superior conj	13121 Dec 09 04:43 13121 Dec 09 04:19 13121 Dec 09 16:51 13121 Dec 10 09:01 13121 Dec 16 06:09 13121 Dec 24 08:08 13121 Dec 27 10:07 13122 Jan 13 13:04 13122 Jan 17 11:54 13122 Feb 07 07:47 13122 Feb 11 01:56 13122 Feb 14 02:34 13122 Feb 14 06:54 13122 Feb 18 08:31 13122 Feb 20 11:45 13122 Feb 21 10:50 13122 Feb 23 13:19 13122 Feb 28 13:09 13122 Mar 02 09:49 13122 Mar 20 09:01 13122 Mar 29 07:02 13122 Mar 29 07:02 13122 Mar 29 04:15 13122 Mar 29 04:15 13122 Mar 29 04:15	28° ₹52'48 28° ₹50'34 0° ₹ 1° ₹29'27 14° ₹10'19 0° ≈ 5° ≈27'55 0° ₹ 4° ₹06'15 11° ₹25'42 9° ₹11'12 6° ₹16'38 3° ₹30'30 3° ₹20'33 30° ₹≈ 28° ≈48'40 28° ≈28'59 28° ≈08'03 0° ₹ 1° ₹36'06 26° ₹00'29 0° ₹ 9° ₹01'37	1°38'56  1.31721 AU  27°28'23  0.61771 AU -2°04'27 2°02'11  17°49'19  -0°29'26
minimum elong max. Earth dist. evening rise  desc. node  evening max el retrograde evening set min. Earth dist. inferior conj minimum elong asc. node morning rise direct morning max el  morning set desc. node  superior conj minimum elong max. Earth dist. evening rise	13120 Dec 24 19:18 13120 Dec 27 04:20 13121 Jan 01 07:01 13121 Jan 01 06:35 13121 Jan 09 13:15 13121 Jan 18 05:02 13121 Feb 04 02:21 13121 Feb 17 20:02 13121 Feb 24 16:18 13121 Feb 28 11:27 13121 Mar 03 03:16 13121 Mar 03 04:47 13121 Mar 09 19:30 13121 Mar 12 06:11 13121 Mar 12 06:11 13121 Mar 27 15:38 13121 Apr 04 08:23 13121 Apr 04 08:23 13121 Apr 14 12:39  13121 Apr 17 06:45 13121 Apr 16 23:38 13121 Apr 22 18:10 13121 May 03 12:21 13121 May 03 12:21 13121 May 23 23:45 13121 May 31 00:16	14°る14'00 19°る22'29 0°≈02'13 0°≈ 15°≈42'46 0° ¥ 21° ¥21'01 28° ¥47'22 26° ¥19'55 23° ¥00'26 20° ¥11'53 17° ¥49'51 14° ¥56'52 14° ¥27'11 17° ¥46'01 0° Y 12° Y55'10 18° Y29'59 0° 8 4° 829'52 4° 800'59 13° 816'30 28° 857'51 0° II 0° \$ 8° \$24'30	1°38'04 1.32673 AU 27°30'04 0.63819 AU -0°48'08 0°47'13 17°48'02	superior conj minimum elong  max. Earth dist. evening rise  desc. node  evening max el retrograde evening set min. Earth dist. inferior conj minimum elong  asc. node morning rise direct  morning max el morning set  desc. node  superior conj minimum elong  max. Earth dist.	13121 Dec 09 04:43 13121 Dec 09 04:19 13121 Dec 09 16:51 13121 Dec 10 09:01 13121 Dec 16 06:09 13121 Dec 24 08:08 13121 Dec 27 10:07 13122 Jan 13 13:04 13122 Jan 17 11:54 13122 Feb 07 07:47 13122 Feb 14 02:34 13122 Feb 14 02:34 13122 Feb 14 06:54 13122 Feb 18 08:31 13122 Feb 20 11:45 13122 Feb 21 10:56 13122 Feb 23 13:19 13122 Feb 23 13:19 13122 Feb 28 13:09 13122 Mar 02 09:49 13122 Mar 18 03:23 13122 Mar 20 09:01 13122 Mar 29 07:02 13122 Mar 29 07:02 13122 Mar 29 04:15 13122 Apr 05 10:09 13122 Apr 07 00:33	28° ₹52'48 28° ₹50'34 0° ₹ 1° ₹29'27 14° ₹10'19 0° ≈ 5° ≈27'55 0° ₹ 4° ₹06'15 11° ₹25'42 9° ₹11'12 6° ₹16'38 3° ₹30'30 3° ₹20'33 30° ₹≈ 28° ≈48'40 28° ≈28'59 28° ≈08'03 0° ₹ 1° ₹36'06 26° ₹00'29 0° ₹ 9° ₹01'37 15° ₹34'16 15° ₹22'28 27° ₹24'54 0° ₹	1°38'56  1.31721 AU  27°28'23  0.61771 AU -2°04'27 2°02'11  17°49'19  -0°29'26 0°29'10
minimum elong max. Earth dist. evening rise  desc. node  evening max el retrograde evening set min. Earth dist. inferior conj minimum elong asc. node morning rise direct morning max el morning set desc. node  superior conj minimum elong max. Earth dist. evening rise  evening max el asc. node	13120 Dec 24 19:18 13120 Dec 27 04:20 13121 Jan 01 07:01 13121 Jan 01 06:35 13121 Jan 09 13:15 13121 Jan 18 05:02 13121 Feb 04 02:21 13121 Feb 17 20:02 13121 Feb 24 16:18 13121 Feb 28 11:27 13121 Mar 03 03:16 13121 Mar 03 04:47 13121 Mar 05 14:19 13121 Mar 09 19:30 13121 Mar 12 06:11 13121 Mar 12 06:11 13121 Mar 27 15:38 13121 Apr 04 08:23 13121 Apr 04 08:23 13121 Apr 17 06:45 13121 Apr 16 23:38 13121 Apr 17 06:45 13121 Apr 17 06:45 13121 Apr 18 10:39 13121 Apr 19 20:06 13121 May 03 12:21 13121 May 03 12:21 13121 May 03 12:21 13121 May 31 00:16 13121 May 31 00:16 13121 May 31 00:16	14°る14'00 19°る22'29 0°≈02'13 0°≈ 15°≈42'46 0° Ж 21° Ж21'01 28° Ж47'22 26° Ж19'55 23° Ж00'26 20° Ж15'49 20° Ж11'53 17° Ж49'51 14° Ж56'52 14° Ж27'11 17° Ж46'01 0° Υ 12° Υ55'10 18° Υ29'59 0° ℧ 4° ℧29'52 4° ℧00'59 13° ℧16'30 28° ℧57'51 0° Ⅲ 0° 雰 8° \$224'30 9° \$47'27	1°38'04 1.32673 AU 27°30'04 0.63819 AU -0°48'08 0°47'13 17°48'02 -1°09'49 1°09'22 1.44938 AU	superior conj minimum elong  max. Earth dist. evening rise  desc. node  evening max el retrograde evening set min. Earth dist. inferior conj minimum elong  asc. node morning rise direct  morning max el morning set  desc. node  superior conj minimum elong	13121 Dec 09 04:43 13121 Dec 09 04:19 13121 Dec 09 16:51 13121 Dec 10 09:01 13121 Dec 16 06:09 13121 Dec 24 08:08 13121 Dec 27 10:07 13122 Jan 13 13:04 13122 Jan 17 11:54 13122 Feb 07 07:47 13122 Feb 14 02:34 13122 Feb 14 06:54 13122 Feb 14 06:54 13122 Feb 18 08:31 13122 Feb 20 11:45 13122 Feb 21 10:56 13122 Feb 23 13:19 13122 Feb 23 13:19 13122 Feb 28 13:09 13122 Mar 02 09:49 13122 Mar 18 03:23 13122 Mar 20 09:01 13122 Mar 20 09:01 13122 Mar 29 07:02 13122 Mar 29 04:15 13122 Mar 29 04:15 13122 Apr 05 10:09 13122 Apr 07 00:33 13122 Apr 17 10:13	28° ₹52'48 28° ₹50'34 0° ₹ 1° ₹29'27 14° ₹10'19 0° ≈ 5° ≈27'55 0° ₹ 4° ₹06'15 11° ¥25'42 9° ₹11'12 6° ₹16'38 3° ₹20'33 30° ₹≈ 28° ≈48'40 28° ≈28'59 28° ≈08'03 0° ₹ 1° ₹36'06 26° ₹00'29 0° ₹ 9° ₹01'37 15° ₹34'16 15° ₹22'28 27° ₹24'54 0° ₹ 8° ₹40'45	1°38'56  1.31721 AU  27°28'23  0.61771 AU -2°04'27 2°02'11  17°49'19  -0°29'26 0°29'10
minimum elong max. Earth dist. evening rise  desc. node  evening max el retrograde evening set min. Earth dist. inferior conj minimum elong asc. node morning rise direct morning max el  morning set desc. node  superior conj minimum elong max. Earth dist. evening rise	13120 Dec 24 19:18 13120 Dec 27 04:20 13121 Jan 01 07:01 13121 Jan 01 06:35 13121 Jan 09 13:15 13121 Jan 18 05:02 13121 Feb 04 02:21 13121 Feb 17 20:02 13121 Feb 24 16:18 13121 Feb 28 11:27 13121 Mar 03 03:16 13121 Mar 03 04:47 13121 Mar 09 19:30 13121 Mar 12 06:11 13121 Mar 12 06:11 13121 Mar 27 15:38 13121 Apr 04 08:23 13121 Apr 04 08:23 13121 Apr 14 12:39  13121 Apr 17 06:45 13121 Apr 16 23:38 13121 Apr 22 18:10 13121 May 03 12:21 13121 May 03 12:21 13121 May 23 23:45 13121 May 31 00:16	14°る14'00 19°る22'29 0°≈02'13 0°≈ 15°≈42'46 0° ¥ 21° ¥21'01 28° ¥47'22 26° ¥19'55 23° ¥00'26 20° ¥11'53 17° ¥49'51 14° ¥56'52 14° ¥27'11 17° ¥46'01 0° Y 12° Y55'10 18° Y29'59 0° 8 4° 829'52 4° 800'59 13° 816'30 28° 857'51 0° II 0° \$ 8° \$24'30	1°38'04 1.32673 AU 27°30'04 0.63819 AU -0°48'08 0°47'13 17°48'02 -1°09'49 1°09'22 1.44938 AU	superior conj minimum elong  max. Earth dist. evening rise  desc. node  evening max el retrograde evening set min. Earth dist. inferior conj minimum elong  asc. node morning rise direct  morning max el morning set  desc. node  superior conj minimum elong  max. Earth dist.	13121 Dec 09 04:43 13121 Dec 09 04:19 13121 Dec 09 16:51 13121 Dec 10 09:01 13121 Dec 16 06:09 13121 Dec 24 08:08 13121 Dec 27 10:07 13122 Jan 13 13:04 13122 Jan 17 11:54 13122 Feb 07 07:47 13122 Feb 14 02:34 13122 Feb 14 02:34 13122 Feb 14 06:54 13122 Feb 18 08:31 13122 Feb 20 11:45 13122 Feb 21 10:56 13122 Feb 23 13:19 13122 Feb 23 13:19 13122 Feb 28 13:09 13122 Mar 02 09:49 13122 Mar 18 03:23 13122 Mar 20 09:01 13122 Mar 29 07:02 13122 Mar 29 07:02 13122 Mar 29 04:15 13122 Apr 05 10:09 13122 Apr 07 00:33	28° ₹52'48 28° ₹50'34 0° ₹ 1° ₹29'27 14° ₹10'19 0° ≈ 5° ≈27'55 0° ₹ 4° ₹06'15 11° ₹25'42 9° ₹11'12 6° ₹16'38 3° ₹30'30 3° ₹20'33 30° ₹≈ 28° ≈48'40 28° ≈28'59 28° ≈08'03 0° ₹ 1° ₹36'06 26° ₹00'29 0° ₹ 9° ₹01'37 15° ₹34'16 15° ₹22'28 27° ₹24'54 0° ₹	1°38'56  1.31721 AU  27°28'23  0.61771 AU -2°04'27 2°02'11  17°49'19  -0°29'26 0°29'10 1.43522 AU

inferior conj

13121 Jun 17 06:48

5°520'58 3°12'54

asc. node

13122 May 19 08:32 26°**Ц**32'15

	10100 17 00 01 00	252H22121			1212234 06 10 06	120 T 02110	
retrograde	13122 May 22 21:39	27° <b>Ⅲ</b> 30′21		retrograde	13123 May 06 18:06	12° <b>Ⅱ</b> 03'19	
evening set	13122 May 27 09:18	25° <b>Ⅱ</b> 40'33		evening set	13123 May 11 17:02	9° <b>Ⅱ</b> 58'29	
inferior conj	13122 Jun 01 15:30	19° <b>Ⅱ</b> 24'54	3°05'15	min. Earth dist.	13123 May 16 16:37	4° <b>Ⅱ</b> 03'29	0.68875 AU
minimum elong	13122 Jun 01 14:24	19° <b>Ⅱ</b> 28'44	3°04'10	inferior conj	13123 May 17 01:04	3° <b>Ⅱ</b> 34'09	2°47'10
min. Earth dist.	13122 Jun 01 19:54	19° <b>Ⅱ</b> 09'31	0.68776 AU	minimum elong	13123 May 16 23:17	3° <b>Ⅱ</b> 40′22	2°45'59
morning rise	13122 Jun 06 19:18	13° <b>Ⅱ</b> 09'33			13123 May 19 17:37	30°₹ <b>႘</b>	
direct	13122 Jun 11 19:31	10° <b>Ⅱ</b> 59'40		morning rise	13123 May 22 05:26	27° <b>8</b> 25'32	
desc. node	13122 Jun 21 12:56	16° <b>Ⅱ</b> 39'09		direct	13123 May 26 16:41	25° <b>8</b> 35'48	
morning max el	13122 Jun 21 18:24	16° <b>Ⅱ</b> 52'48	22°44'16		13123 Jun 03 18:15	$\Pi$ $^{\circ}0$	
	13122 Jul 02 14:14	$0$ $\circ$ $\odot$		morning max el	13123 Jun 04 09:37	0° <b>Ⅲ</b> 37′28	21°19'13
	13122 Jul 22 18:18	$0^{\circ}\Omega$		desc. node	13123 Jun 08 09:56	5° <b>Ⅱ</b> 04'00	
morning set	13122 Jul 25 18:37	4° <b>£</b> 53′23			13123 Jun 26 08:09	$0$ $\circ$ $\odot$	
max. Earth dist.	13122 Jul 30 10:02	12° <b>Ω</b> 38'53	1.40418 AU	morning set	13123 Jul 05 16:35	14° <b>©</b> 21'56	
				max. Earth dist.	13123 Jul 12 14:15	25° <b>©</b> 26'19	1.42578 AU
superior conj	13122 Aug 07 05:52	26° <b>Ω</b> 23'52	-1°09'34		13123 Jul 15 08:34	$0^{\circ}\Omega$	
minimum elong	13122 Aug 07 11:01	26°Ω47'10					
	13122 Aug 09 05:14	0° m)		superior conj	13123 Jul 19 22:22	7° <b>Ω</b> 43'52	-1°41'48
asc. node	13122 Aug 15 08:29	11° <b>m</b> ) 29'06		minimum elong	13123 Jul 20 05:25	8° <b>Ω</b> 14'07	
evening rise	13122 Aug 17 03:51	14° m) 54'38		evening rise	13123 Jul 31 07:38	27° <b>Ω</b> 52'56	1 41 55
evening rise	13122 Aug 17 03:31 13122 Aug 25 10:15	0∘ <b>⊽</b>		evening rise	13123 Jul 31 07:38 13123 Aug 01 11:47	0°m	
evening max el	13122 Aug 23 10:13 13122 Sep 02 03:03	0 <del>=</del> 10° <b>£</b> 36'42	18°25'48	asc. node	13123 Aug 01 11:47 13123 Aug 02 05:11	1° <b>m</b> ) 18'26	
•	•		10 23 40		13123 Aug 02 03:11 13123 Aug 16 13:56	23° m) 28'33	18°05'44
retrograde	13122 Sep 09 19:16	14° <b>£</b> 29'25		evening max el	U	-	18 03 44
evening set	13122 Sep 11 20:15	14° <b>£</b> 13'43		retrograde	13123 Aug 23 09:43	26° m 58'05	
desc. node	13122 Sep 17 09:57	11° <b>Ω</b> 18'10		evening set	13123 Aug 25 18:02	26° m 33'33	
inferior conj	13122 Sep 19 12:54	9° <b>≙</b> 39'47		inferior conj	13123 Sep 01 16:37	21°Mp39'11	0°47'24
minimum elong	13122 Sep 19 11:22	9° <b>≏</b> 42'51	0°39'24	minimum elong	13123 Sep 01 18:04	21°M 35'50	0°46'38
min. Earth dist.	13122 Sep 22 19:30	7° <b>ჲ</b> 04'01	0.58033 AU	desc. node	13123 Sep 04 07:27	19° <b>m</b> 13'23	
morning rise	13122 Sep 26 23:01	4° <b>≏</b> 21'38		min. Earth dist.	13123 Sep 04 22:01	18° <b>m</b> 40'51	0.60259 AU
direct	13122 Oct 03 02:38	2° <b>≏</b> 44'08		morning rise	13123 Sep 08 15:00	15° <b>m</b> 50'07	
morning max el	13122 Oct 17 10:11	10° <b>≙</b> 19'55	27°08'35	direct	13123 Sep 15 04:08	13° <b>m</b> 45'42	
	13122 Nov 01 13:52	0° <b>M</b> .		morning max el	13123 Sep 29 11:26	21° <b>m</b> 38'58	27°51'33
asc. node	13122 Nov 11 10:18	17° <b>M</b> 28'54			13123 Oct 06 18:58	0∘ <b>ত</b>	
morning set	13122 Nov 16 19:01	28°M27'34			13123 Oct 25 15:00	0° <b>M</b>	
	13122 Nov 17 12:18	0° <b>∡</b> ¹		asc. node	13123 Oct 29 07:04	7° <b>IL</b> 10'07	
				morning set	13123 Oct 31 23:55	12°M43'00	
superior conj	13122 Nov 23 16:20	13° <b>∡</b> ³36'14	1°32'52	max. Earth dist.	13123 Nov 07 01:29	25°M50'26	1.31325 AU
minimum elong	13122 Nov 23 14:58	13° <b>∡</b> ′28'39	1°33'43				
max. Earth dist.	13122 Nov 23 17:20	13° <b>∡</b> ′41′50	1.31267 AU	superior conj	13123 Nov 08 03:34	28°M15'18	1°22'04
evening rise	13122 Nov 30 11:19	28° <b>⋌</b> ³32'21		minimum elong	13123 Nov 08 01:32	28°M04'02	1°22'38
8 11	13122 Dec 01 03:50	0°ප			13123 Nov 08 22:22	0° <b>∡</b> 7	
desc. node	13122 Dec 14 07:06	24° <b>♂</b> 42'55		evening rise	13123 Nov 14 20:20	13° <b>∡</b> '02'50	
desc. node	13122 Dec 17 15:54	0° <b>≈</b>		evening rise	13123 Nov 23 06:16	0°ਰ	
evening max el	13122 Dec 17 15:34 13122 Dec 30 15:32	16°≈05'13	26°52'20	desc. node	13123 Dec 01 04:12	³3° <b>ප</b> 16'16	
retrograde	13123 Jan 13 14:20	23°≈15'24	20 32 20	evening max el	13123 Dec 01 04:12 13123 Dec 12 10:57	13 <b>3</b> 1010 27° <b>3</b> 11'25	25°43'04
evening set	13123 Jan 20 07:13	21°≈21'40		evening max er	13123 Dec 12 10:37	27 <b>⊙</b> 1123	23 43 04
min. Earth dist.	13123 Jan 24 05:38		0.59606 AU	ratra ara da		0 ∞ 4°≈12'20	
		18°≈42'53		retrograde	13123 Dec 26 08:26		
inferior conj	13123 Jan 27 10:03	16°≈10'27		evening set	13124 Jan 01 10:30	2°≈46'24	0.57522 ATT
minimum elong	13123 Jan 27 17:23	15°≈55'47	3-23-22	min. Earth dist.	13124 Jan 05 23:28	0°≈08'54	0.57522 AU
morning rise	13123 Feb 04 06:33	11°≈29'36			13124 Jan 06 04:45	30°Rる	40.4511.1
direct	13123 Feb 06 07:53	11°≈13'51		inferior conj	13124 Jan 08 22:21	28° <b>る</b> 06'15	
asc. node	13123 Feb 07 09:09	11°≈18'08		minimum elong	13124 Jan 09 07:04	27° <b>る</b> 51'08	4°42'01
morning max el	13123 Feb 13 22:51	15°≈01'02	18°09'38	morning rise	13124 Jan 17 06:18	23° <b>⋜</b> 47'49	
	13123 Feb 24 06:14	0° <b>∀</b>		direct	13124 Jan 19 09:25	23° <b>る</b> 33'47	
morning set	13123 Mar 01 14:06	9° <b>)</b> 48'46		asc. node	13124 Jan 25 06:29	25° <b>る</b> 28'26	
				morning max el	13124 Jan 28 04:00	27° <b>ප්</b> 50'11	18°50'43
superior conj	13123 Mar 11 06:45	27° <b>)</b> 43′34	0°08'28		13124 Jan 30 04:13	0° <b>≈</b>	
minimum elong	13123 Mar 11 07:25	27° <b>)</b> 46′33	0°08'31	morning set	13124 Feb 13 11:41	24° <b>≈</b> 05'44	
behind sun begin	13123 Mar 11 00:56	27° <b>)</b> 17′26			13124 Feb 16 11:56	0° <b>ℋ</b>	
behind sun end	13123 Mar 11 13:54	28° <b>¥</b> 15'37					
desc. node	13123 Mar 12 08:18	29° <b>∺</b> 37'39		superior conj	13124 Feb 22 01:50	10° <b>)</b> 46′21	0°40'26
	13123 Mar 12 13:20	$0^{\circ}$ Y		minimum elong	13124 Feb 22 04:15	10° <b>) €</b> 57'47	0°40'29
max. Earth dist.	13123 Mar 18 21:48	10° <b>Ƴ</b> 59'03	1.41608 AU	desc. node	13124 Feb 27 04:51	20° <b>)</b> 14′54	
evening rise	13123 Mar 23 20:58	19° <b>Ƴ</b> 10'28		max. Earth dist.	13124 Feb 29 05:03	23° <b>)</b> 49′58	1.39410 AU
Č	13123 Mar 30 17:53	0°8			13124 Mar 03 18:22	0° <b>Υ</b>	
	13123 Apr 21 03:42	0°II		evening rise	13124 Mar 04 02:53	0° <b>Υ</b> 36'13	
evening max el	•		2205 4120	2		0°8	
	13123 Apr 26 13:38	6° H ()2'59	22-34-29		13124 Mar 23 U2:U2	0 ()	
asc. node	13123 Apr 26 13:38 13123 May 06 05:50	6°Щ02'59 12°Щ02'06	22°54'29	evening max el	13124 Mar 23 02:02 13124 Apr 08 03:34	19° <b>8</b> 54'12	24°15'11

retrograde	13124 Apr 19 11:21	26° <b>8</b> 32'52		retrograde	13125 Apr 03 00:18	10° <b>8</b> 52'34	
asc. node	13124 Apr 22 03:10	26° <b>8</b> 01'10		evening set	13125 Apr 08 22:18	8° <b>8</b> 25'42	
evening set	13124 Apr 24 21:54	24° <b>8</b> 15'18		asc. node	13125 Apr 09 00:33	8° <b>8</b> 20'54	
min. Earth dist.	13124 Apr 29 12:42	18° <b>8</b> 56'17	0.68515 AU	min. Earth dist.	13125 Apr 13 05:59	3° <b>8</b> 42'08	0.67710 AU
inferior conj	13124 Apr 30 09:38	17° <b>8</b> 45'37	2°19'00	inferior conj	13125 Apr 14 15:14	1° <b>8</b> 55'14	1°40'37
minimum elong	13124 Apr 30 07:29	17° <b>8</b> 52'51	2°17'46	minimum elong	13125 Apr 14 13:13	2° <b>8</b> 01'44	1°39'31
morning rise	13124 May 05 17:11	11° <b>8</b> 44'44			13125 Apr 16 03:46	30° <b>ŖƳ</b>	
direct	13124 May 09 15:53	10° <b>8</b> 16'01		morning rise	13125 Apr 20 04:37	26° <b>Ƴ</b> 03'26	
morning max el	13124 May 17 07:34	14° <b>8</b> 33'35	20°04'54	direct	13125 Apr 23 15:41	24° <b>Y</b> 54'39	
desc. node	13124 May 25 06:49	24° <b>8</b> 11'09		morning max el	13125 Apr 30 13:03	28° <b>Ƴ</b> 39'47	19°05'12
dese. Hode	13124 May 29 10:25	0°II		morning max or	13125 May 01 20:02	0°8	17 03 12
morning set	13124 Jun 13 20:06	23° <b>I</b> I04'24		desc. node	13125 May 12 03:36	13° <b>8</b> 49'11	
morning set	13124 Jun 18 07:23	0°95		greatest brilliancy	13125 May 12 05:36 13125 May 13 15:06	16° <b>8</b> 01'38	0.7m
E d Ed			1 4420C ATT	greatest offinality			-0.7111
max. Earth dist.	13124 Jun 24 00:41	9° <b>©</b> 00'59	1.44306 AU		13125 May 22 18:31	0°II	
	12124 7 20 15 10	100500150	2005127	morning set	13125 May 24 00:24	1° <b>I</b> I55'23	1 45404 433
superior conj	13124 Jun 29 15:10	18°902'52		max. Earth dist.	13125 Jun 06 16:41	23° <b>Ⅱ</b> 11'56	1.45424 AU
minimum elong	13124 Jun 29 20:50	18° <b>©</b> 25'59	2°06'09				
	13124 Jul 06 20:04	$0 ^{\circ} \Omega$		superior conj	13125 Jun 09 10:06	27° <b>Ⅱ</b> 29'10	
evening rise	13124 Jul 12 17:35	10° <b>Ω</b> 02'45		minimum elong	13125 Jun 09 09:27	27° <b>Ⅱ</b> 26'36	2°14'28
asc. node	13124 Jul 19 01:55	20° <b>Ω</b> 53'01			13125 Jun 11 00:18	$0$ $\circ$	
	13124 Jul 24 19:03	0° <b>m</b> ∕		evening rise	13125 Jun 24 04:54	21° <b>©</b> 13'43	
evening max el	13124 Jul 30 03:58	6° <b>™</b> 45'31	18°04'53		13125 Jun 29 13:44	$\mathfrak{O}^{\circ}\mathfrak{O}$	
retrograde	13124 Aug 05 13:52	10° Mp 06'02		asc. node	13125 Jul 05 22:44	10° <b>Ω</b> 07'23	
evening set	13124 Aug 08 06:24	9° <b>™</b> 29'22		evening max el	13125 Jul 13 17:48	20° <b>Ω</b> 19'21	18°22'16
inferior conj	13124 Aug 14 13:51	4° m) 16'37	1°51'58	retrograde	13125 Jul 20 03:21	23° <b>Ω</b> 44'27	
minimum elong	13124 Aug 14 16:21	4° mp 10'00	1°50'42	evening set	13125 Jul 23 04:27	22°Ω53'10	
min. Earth dist.	13124 Aug 17 10:03	1° Mp 17'36	0.62528 AU	inferior conj	13125 Jul 29 00:32	17° <b>Ω</b> 23'57	2°35'25
iiiii. Eartii uist.	13124 Aug 17 10:03	1 m/1/30 30°RΩ	0.02328 AU	minimum elong	13125 Jul 29 00:32 13125 Jul 29 02:49	$17^{\circ}\Omega 17'12$	2°34'09
	•			Č		$14^{\circ}\Omega 43'40$	0.64610 AU
morning rise	13124 Aug 21 00:06	28° <b>Ω</b> 07'12		min. Earth dist.	13125 Jul 31 07:25		0.04010 AU
desc. node	13124 Aug 21 04:57	27° <b>Ω</b> 58′29		morning rise	13125 Aug 03 23:52	11° <b>Ω</b> 03'53	
direct	13124 Aug 27 16:25	25° <b>Ω</b> 41′09		desc. node	13125 Aug 08 02:23	8° <b>Ω</b> 47'00	
	13124 Sep 06 15:10	0° <b>m</b> ∕		direct	13125 Aug 10 13:30	8° <b>Ω</b> 25'32	
morning max el	13124 Sep 10 18:28	3° Mp 43'03	27°55'27	morning max el	13125 Aug 24 04:39	16° <b>Ω</b> 24'03	27°23'43
	13124 Sep 30 09:11	0∘ <b>ত</b>			13125 Sep 04 10:39	0° <b>т</b> р	
morning set	13124 Oct 14 22:30	26° <b>≏</b> 37'34			13125 Sep 23 04:23	0。 <b>⊽</b>	
asc. node	13124 Oct 15 03:43	27° <b>≏</b> 04'07		morning set	13125 Sep 28 12:15	10° <b>≙</b> 05'05	
	13124 Oct 16 13:52	0° <b>M</b> .		asc. node	13125 Oct 02 00:19	17° <b>≏</b> 06'16	
max. Earth dist.	13124 Oct 20 05:25	7° <b>ጤ</b> 44'11	1.31914 AU	max. Earth dist.	13125 Oct 03 01:37	19° <b>≏</b> 16'29	1.33041 AU
superior conj	13124 Oct 22 12:28	12°ML43'51	1°05'38	superior conj	13125 Oct 06 17:01	26° <b>£</b> 56'32	0°43'41
minimum elong	13124 Oct 22 10:12	12°MJ31'24	1°05'53	minimum elong	13125 Oct 06 15:04	26° <b>£</b> 46′08	0°43'41
evening rise	13124 Oct 29 07:15	27°M35'54	1 03 33	minimum ciong	13125 Oct 08 03:14	0°M	0 13 11
evening rise	13124 Oct 30 10:10	27 11 <b>0</b> 3333 <b>∓</b>		evening rise	13125 Oct 08 03:14 13125 Oct 13 18:14	12°ML07'01	
		0°る		evening rise		0° <b>₹</b>	
	13124 Nov 16 09:50			1 1	13125 Oct 22 18:42		
desc. node	13124 Nov 17 01:24	0°る51'17		desc. node	13125 Nov 03 22:41	17° <b>∡</b> 06'40	
evening max el	13124 Nov 22 22:48	7° <b>る</b> 31'34	24°09'21	evening max el	13125 Nov 04 09:28	17° 🗷 33'24	22°27'21
retrograde	13124 Dec 06 14:07	14° <b>ප</b> 19'36		retrograde	13125 Nov 17 07:01	23° <b>≯</b> 57'12	
evening set	13124 Dec 11 13:59	13° <b>る</b> 24'58		evening set	13125 Nov 20 21:20	23° <b>≯</b> 28'52	
min. Earth dist.	13124 Dec 17 10:06		0.55802 AU	min. Earth dist.	13125 Nov 28 16:54	19° <b>₹</b> 58'39	0.54746 AU
inferior conj	13124 Dec 19 13:50	9° <b>る</b> 11'19		inferior conj	13125 Nov 29 12:00	19° <b>∡</b> ³31'43	-5°53'01
minimum elong	13124 Dec 19 19:20	9° <b>る</b> 02'56	5°40'14	minimum elong	13125 Nov 29 09:08	19° <b>∡</b> ³35'45	5°51'54
morning rise	13124 Dec 28 02:38	5° <b>る</b> 12'47		morning rise	13125 Dec 07 22:12	15° <b>∡</b> ¹44'10	
direct	13124 Dec 30 15:14	4° <b>る</b> 56'17		direct	13125 Dec 11 04:56	15° <b>√</b> 19'48	
morning max el	13125 Jan 09 21:11	9° <b>ප</b> 51'06	19°54'26	morning max el	13125 Dec 22 23:53	20° <b>х</b> 57′29	21°20'49
asc. node	13125 Jan 11 03:44	11° <b>る</b> 08'55		asc. node	13125 Dec 29 00:53	28° <b>х</b> 03′29	
	13125 Jan 23 07:41	0° <b>≈</b>			13125 Dec 30 09:12	0° <b>ට</b>	
morning set	13125 Jan 27 16:25	8° <b>≈</b> 39'41		morning set	13126 Jan 12 01:34	23° <b>පි</b> 22'54	
morning set	15125 3411 27 10.25	0,000,11		morning sec	13126 Jan 15 05:05	0°≈	
superior conj	13125 Feb 04 11:29	24° <b>≈</b> 28'04	1°05'19		13120 Jan 13 03.03	· ~	
				aunaries con:	12126 Jan 10 07:44	000077120	1022100
minimum elong	13125 Feb 04 14:17	24°≈41'56	1°05'36	superior conj	13126 Jan 19 07:44	8°≈37'38	1°23'00
	13125 Feb 07 07:05	0° <b>∺</b>		minimum elong	13126 Jan 19 10:01	8°≈49'29	1°23'36
max. Earth dist.	13125 Feb 10 11:15	6° <b>₩</b> 02'37	1.37175 AU	max. Earth dist.	13126 Jan 23 21:41	17°≈56'33	1.35134 AU
desc. node	13125 Feb 13 01:25	10° <b>)</b> 48′59		evening rise	13126 Jan 27 23:59	25°≈52'12	
evening rise	13125 Feb 14 04:57	12° <b>¥</b> 53′05			13126 Jan 30 05:20	0° <b>∀</b>	
	13125 Feb 24 08:26	$0$ ° $\mathbf{\gamma}$		desc. node	13126 Jan 30 22:02	1° <b>)</b> 16′05	
	13125 Mar 18 03:05	$0^{\circ}$ 8			13126 Feb 17 19:20	$0^{\circ}\mathbf{\Upsilon}$	
evening max el	13125 Mar 21 17:01	3° <b>8</b> 46'17	25°30'46	evening max el	13126 Mar 04 06:48	17° <b>Y</b> 33'40	26°33'50

retrograde	13126 Mar 17 07:48	24° <b>Y</b> ′55′15			13127 Jan 22 16:22	0° <b>∀</b>	
evening set	13126 Mar 23 16:25	22° <b>Y</b> 23'25			13127 Feb 13 17:16	$0^{\circ}$ Y	
asc. node	13126 Mar 26 21:59	19° <b>Ƴ</b> 12'55		evening max el	13127 Feb 14 20:18	1° <b>Y</b> 06'36	27°16'57
min. Earth dist.	13126 Mar 27 18:16	18° <b>Ƴ</b> 14'25	0.66490 AU	retrograde	13127 Feb 28 09:06	8° <b>Ƴ</b> 33'07	
inferior conj	13126 Mar 29 15:47	15° <b>Ƴ</b> 58'00	0°51'34	evening set	13127 Mar 07 02:16	6° <b>Ƴ</b> 02'00	
minimum elong	13126 Mar 29 14:31	16° <b>Ƴ</b> 01'51	0°50'55	min. Earth dist.	13127 Mar 10 23:23	2° <b>Y</b> 25'39	0.64892 AU
morning rise	13126 Apr 04 13:38	10° <b>Ƴ</b> 17′03		inferior conj	13127 Mar 13 08:53	29° <b>)</b> 48′16	-0°08'30
direct	13126 Apr 07 14:12	9° <b>Y</b> 25'56		minimum elong	13127 Mar 13 09:08	29° <b>)</b> 47′35	0°08'18
morning max el	13126 Apr 14 01:04	12° <b>Y</b> 51'19	18°21'50	transit middle	13127 Mar 13 09:08	29° <b>)</b> 47'35	0°08'18
Ü	13126 Apr 26 13:51	0°B		transit begin	13127 Mar 13 06:32	29° <b>)</b> 54'45	
desc. node	13126 Apr 29 00:16	3° <b>8</b> 49'32		transit end	13127 Mar 13 11:44	29° <b>¥</b> 40'26	
morning set	13126 May 04 01:47	11° <b>8</b> 51'27		transit ona	13127 Mar 13 04:38	30°R <b></b> ₩	
morning set	13126 May 15 13:35	0° <b>Ⅱ</b>		asc. node	13127 Mar 13 19:26	29° <b>¥</b> 19′26	
	13120 Way 13 13.33	υп		morning rise	13127 Mar 19 17:46	24° <b>H</b> 20'37	
gumariar agni	12126 May 10, 17:52	6° <b>Ⅲ</b> 32'15	2001/22	direct	13127 Mar 19 17:40 13127 Mar 22 09:10	23°\(\)\(\)\(\)\(\)	
superior conj	13126 May 19 17:52	6°Щ02'22					17955127
minimum elong	13126 May 19 10:13			morning max el	13127 Mar 28 17:28	27° <b>)</b> €01'45	17°55'27
max. Earth dist.	13126 May 20 12:17	7° <b>Ⅱ</b> 44'12	1.45825 AU	_	13127 Mar 31 09:18	0° <b>Υ</b>	
	13126 Jun 03 18:11	0ං <b>ව</b>		morning set	13127 Apr 15 07:43	23° <b>Y</b> 11'33	
evening rise	13126 Jun 04 15:48	1° <b>9</b> 24'44		desc. node	13127 Apr 15 20:52	24° <b>Y</b> ′05'59	
greatest brilliancy	13126 Jun 14 14:47	16° <b>©</b> 57'34	-0.8m		13127 Apr 19 10:41	0° <b>8</b>	
asc. node	13126 Jun 22 19:39	28° <b>©</b> 53'48					
	13126 Jun 23 16:05	$0^{\circ}\Omega$		superior conj	13127 Apr 29 08:04	15° <b>8</b> 59'14	-1°31'43
evening max el	13126 Jun 27 04:38	4° <b>Ω</b> 02'11	18°57'00	minimum elong	13127 Apr 28 23:11	15° <b>8</b> 23'56	1°31'24
retrograde	13126 Jul 03 22:38	7° <b>Ω</b> 45'09		max. Earth dist.	13127 May 03 08:39	22° <b>8</b> 20'46	1.45471 AU
evening set	13126 Jul 07 08:36	6° <b>Ω</b> 37'45			13127 May 08 06:16	$\Pi^{\circ}0$	
inferior conj	13126 Jul 12 20:56	0°Ω53'26	3°01'08	evening rise	13127 May 15 08:08	10° <b>Ⅱ</b> 55'24	
minimum elong	13126 Jul 12 22:24	0° <b>Ω</b> 48'47	3°00'02		13127 May 27 22:34	0ಂಣ	
minimum ciong	13126 Jul 13 13:43	30°R.95	3 00 02	greatest brilliancy	13127 May 27 22:31	2° <b>9</b> 36'47	-0.6m
min. Earth dist.	13126 Jul 14 13:08	28°\$46'00	0.66352 AU	asc. node	13127 Jun 09 16:41	17° <b>©</b> 03'13	-0.0111
			0.00332 AU			17° <b>©</b> 49'15	10047155
morning rise	13126 Jul 18 11:29	24°529'49		evening max el	13127 Jun 10 10:30		19°47'55
direct	13126 Jul 24 17:42	21°5549'19		retrograde	13127 Jun 17 20:55	22°502'16	
desc. node	13126 Jul 25 23:46	21° <b>©</b> 55'02		evening set	13127 Jun 21 16:16	20°538'10	
morning max el	13126 Aug 06 15:38	29° <b>©</b> 30'21	26°23'36	inferior conj	13127 Jun 27 00:05	14° <b>©</b> 40'15	3°12'14
	13126 Aug 07 03:14	$0^{\circ}\Omega$		minimum elong	13127 Jun 27 00:30	14° <b>©</b> 38'49	3°11'12
	13126 Aug 29 07:45	0° <b>m</b> y		min. Earth dist.	13127 Jun 28 01:49	13° <b>©</b> 13'54	0.67663 AU
morning set	13126 Sep 11 13:55	22° <b>m</b> 57'00		morning rise	13127 Jul 02 08:22	8° <b>©</b> 17'33	
	13126 Sep 15 06:16	0∘ <b>⊽</b>		direct	13127 Jul 08 04:02	5° <b>©</b> 43'56	
max. Earth dist.	13126 Sep 15 11:56	0° <b>£</b> 27'46	1.34684 AU	desc. node	13127 Jul 12 21:03	7° <b>5</b> 05'04	
asc. node	13126 Sep 18 20:54	7° <b>₽</b> 11'57		morning max el	13127 Jul 20 02:12	12° <b>©</b> 52'42	25°04'16
	ī			Ü	13127 Aug 02 22:00	$0^{\circ}\Omega$	
superior conj	13126 Sep 20 14:46	10° <b>≏</b> 46'07	0°16'31		13127 Aug 22 02:08	0° m)	
minimum elong	13126 Sep 20 13:52	10° <b>≏</b> 41'29	0°16'25	morning set	13127 Aug 24 23:35	5° m) 04'28	
evening rise	13126 Sep 28 03:19	26° <b>⊆</b> 30'18	0 1025	max. Earth dist.	13127 Aug 24 23:33 13127 Aug 28 13:34	11° mp 34'33	1.36756 AU
evening rise	1	20 <u>=</u> 30 18		max. Earth dist.	13127 Aug 26 13.54	11 11/25433	1.50750 AC
	13126 Sep 29 19:49		20052157		12127 9 04 02.45	24° m 05'46	0015107
evening max el	13126 Oct 17 04:11		20°53'57	superior conj	13127 Sep 04 02:45	~	
	13126 Oct 19 13:07	0° <b>∡</b>		minimum elong	13127 Sep 04 03:43	24° <b>m</b> 10'34	0°15'08
desc. node	13126 Oct 21 20:03	1° <b>∡</b> ³35′21		behind sun begin	13127 Sep 04 01:27	23° m 59'22	
retrograde	13126 Oct 28 17:37	3° <b>∡</b> ³37'35 −		behind sun end	13127 Sep 04 05:59	24° TD 21'46	
evening set	13126 Oct 31 03:43	3° <b>∡</b> ¹23'34		asc. node	13127 Sep 05 17:29	27° Mp 17'50	
	13126 Nov 08 05:54	30°RM₊			13127 Sep 07 01:52	0∘ <b>⊽</b>	
inferior conj	13126 Nov 09 03:24	29°M29'33	-5°04'42	evening rise	13127 Sep 12 08:19	10° <b>≏</b> 40′26	
minimum elong	13126 Nov 08 17:53	29°M43'04	5°01'45		13127 Sep 22 17:02	0° <b>M</b>	
min. Earth dist.	13126 Nov 09 23:10	29°M01'26	0.54563 AU	evening max el	13127 Sep 29 12:41	8° <b>M</b> 55'48	19°39'20
morning rise	13126 Nov 17 08:17	25°M35'57		desc. node	13127 Oct 08 17:30	13°M51'19	
direct	13126 Nov 21 12:44	24°M58'25		retrograde	13127 Oct 09 10:36	13° <b>M</b> 52'47	
	13126 Dec 03 03:50	0° <b>∡</b> ¹		evening set	13127 Oct 11 07:54	13°M42'48	
morning max el	13126 Dec 04 14:21	1° <b>∡</b> 17'15	23°04'53	inferior conj	13127 Oct 20 02:45	9°M39'05	-3°29'44
asc. node	13126 Dec 15 21:56	15° <b>₹</b> 55'35	20 0100	minimum elong	13127 Oct 20 02:43	9°M52'58	3°26'06
use. Houe	13126 Dec 13 21:36 13126 Dec 23 14:36	0° <b>る</b>		min. Earth dist.	13127 Oct 19 17.33 13127 Oct 22 08:15	8°M15'09	0.55314 AU
morning set		8° <b>る</b> 09'27					0.55514 AU
morning set	13126 Dec 27 13:01	o 009727		morning rise	13127 Oct 28 02:07	5°M18'51	
	10105 - 01 111		1000110	direct	13127 Nov 02 03:12	4°M22'24	2.10.5211.5
superior conj	13127 Jan 03 11:21	23°る06'08	1°33'49	morning max el	13127 Nov 16 00:21	11°M 17'22	24°53'15
minimum elong	13127 Jan 03 12:41	23° <b>ප</b> 13'16	1°34'42		13127 Nov 30 04:25	0° <b>∡</b> ¹	
max. Earth dist.	13127 Jan 06 15:34	29° <b>る</b> 50'25	1.33445 AU	asc. node	13127 Dec 02 18:55	4° <b>∡</b> °30'52	
	13127 Jan 06 17:24	0° <b>≈</b>		morning set	13127 Dec 12 00:52	22° <b>х</b> 53′16	
evening rise	13127 Jan 11 08:23	9° <b>≈</b> 24'31			13127 Dec 15 07:17	ರ∘ರ	
desc. node	13127 Jan 17 18:45	21° <b>≈</b> 31'50					

superior conj	13127 Dec 18 19:44	7° <b>る</b> 45'25	1°38'11	minimum elong	13128 Dec 02 05:56	22° <b>∡</b> ¹24'37	1°37'28
minimum elong	13127 Dec 18 19:58	7°る46'39	1°39'13	max. Earth dist.	13128 Dec 02 03:30	24° <b>x</b> 24'37	1.31456 AU
max. Earth dist.	13127 Dec 10 15:38 13127 Dec 20 16:49	11°る52'05	1.32201 AU	max. Lattii dist.	13128 Dec 02 25:17	0°る	1.51450 AC
evening rise	13127 Dec 26 02:55	23° <b>る</b> 21'14	1.52201 710	evening rise	13128 Dec 09 04:54	7° <b>る</b> 35'52	
e vennig rise	13127 Dec 29 10:37	0°≈		evening rise	13128 Dec 20 21:32	0°≈	
desc. node	13128 Jan 04 15:33	11° <b>≈</b> 30'04		desc. node	13128 Dec 21 12:29	1°≈03'32	
	13128 Jan 16 09:09	0° <b>₩</b>		evening max el	13129 Jan 09 14:53	26° <b>≈</b> 38'12	27°17'19
evening max el	13128 Jan 28 07:43	14° <b>¥</b> 12'08	27°33'18		13129 Jan 13 14:33	0° <b>₩</b>	_, _, _,
retrograde	13128 Feb 11 03:25	21° <b>¥</b> 36'13		retrograde	13129 Jan 23 13:45	3° <b>)</b> 54′50	
evening set	13128 Feb 18 01:20	19° <b>¥</b> 12'55		evening set	13129 Jan 30 10:31	1° <b>)</b> 47′58	
min. Earth dist.	13128 Feb 21 19:29	16° <b>¥</b> 05'17	0.62977 AU	C	13129 Feb 02 00:28	30°R≈	
inferior conj	13128 Feb 24 15:38	13° <b>¥</b> 18′04	-1°19'24	min. Earth dist.	13129 Feb 03 05:26	29° <b>≈</b> 01'34	0.60852 AU
minimum elong	13128 Feb 24 18:16	13° <b>¥</b> 11'35	1°17'55	inferior conj	13129 Feb 06 08:38	26°≈18'54	-2°39'01
asc. node	13128 Feb 28 16:54	9° <b>)</b> 42′02		minimum elong	13129 Feb 06 14:17	26° <b>≈</b> 06'39	2°36'12
morning rise	13128 Mar 02 13:44	8° <b>)</b> €06'28		morning rise	13129 Feb 13 21:08	21° <b>≈</b> 26′08	
direct	13128 Mar 04 21:31	7° <b>)</b> 40′56		asc. node	13129 Feb 14 14:18	21° <b>≈</b> 15'57	
morning max el	13128 Mar 11 11:15	11° <b>)</b> 02′08	17°46'23	direct	13129 Feb 15 23:40	21° <b>≈</b> 07'57	
	13128 Mar 24 07:43	$0^{\circ}$ Y		morning max el	13129 Feb 23 03:06	24° <b>≈</b> 43′03	17°55'32
morning set	13128 Mar 27 14:55	5° <b>Y</b> 43'23			13129 Feb 27 11:18	0° <b>)</b>	
desc. node	13128 Apr 01 17:24	14° <b>Y</b> 33'01		morning set	13129 Mar 10 17:16	19° <b>)</b> €08'36	
					13129 Mar 16 16:51	$0^{\circ}$ $\Upsilon$	
superior conj	13128 Apr 08 18:23	26° <b>Y</b> 24'34	-0°52'44	desc. node	13129 Mar 19 13:57	5° <b>Y</b> 06'47	
minimum elong	13128 Apr 08 13:05	26° <b>Y</b> 02'40	0°52'19				
	13128 Apr 10 22:51	$0^{\circ}$ 8		superior conj	13129 Mar 21 05:02	7° <b>Ƴ</b> 57'40	
max. Earth dist.	13128 Apr 15 02:36	6° <b>8</b> 42'45	1.44409 AU	minimum elong	13129 Mar 21 03:54	7° <b>Ƴ</b> 52'48	0°12'39
evening rise	13128 Apr 23 19:38	20° <b>8</b> 21'37		behind sun begin	13129 Mar 20 22:52	7° <b>Ƴ</b> 30'51	
	13128 Apr 30 03:48	$\Pi$ °0		behind sun end	13129 Mar 21 08:57	8° <b>Ƴ</b> 14'43	
	13128 May 21 21:44	$0$ $\circ$		max. Earth dist.	13129 Mar 28 16:14	20° <b>Ƴ</b> 35'33	1.42758 AU
evening max el	13128 May 23 10:30	1° <b>9</b> 36'57	20°52'59	evening rise	13129 Apr 03 17:45	0° <b>8</b> 21'50	
asc. node	13128 May 26 13:50	4° <b>ॐ</b> 22'51			13129 Apr 03 12:13	$0^{\circ}S$	
retrograde	13128 May 31 19:55	6° <b>≤</b> 29'29			13129 Apr 23 17:01	$\Pi$ °0	
evening set	13128 Jun 05 01:20	4° <b>©</b> 48'54		evening max el	13129 May 06 05:13	15° <b>Ⅲ</b> 25'25	22°08'27
	13128 Jun 09 07:51	30°RⅡ		asc. node	13129 May 13 11:03	20° <b>I</b> 37'30	
inferior conj	13128 Jun 10 07:25	28° <b>Ⅱ</b> 38'59		retrograde	13129 May 15 17:44	21° <b>I</b> 101'30	
minimum elong	13128 Jun 10 06:49	28° <b>Ⅱ</b> 41'01	3°09'57	evening set	13129 May 20 10:00	19° <b>Ⅱ</b> 05'18	
min. Earth dist.	13128 Jun 10 19:23	27° <b>Ⅱ</b> 57'29	0.68504 AU	inferior conj	13129 May 25 16:44		2°58'49
morning rise	13128 Jun 15 12:04	22° <b>Ⅱ</b> 20'14		minimum elong	13129 May 25 15:19	12° <b>Ⅱ</b> 50′29	2°57'41
direct	13128 Jun 20 19:32	20° <b>Ⅱ</b> 00'18		min. Earth dist.	13129 May 25 15:40	12° <b>Ⅱ</b> 49'14	0.68875 AU
desc. node	13128 Jun 28 18:13	23° <b>Ⅱ</b> 49'05	22025120	morning rise	13129 May 30 20:26	6°Ⅱ32'35	
morning max el	13128 Jul 01 12:36	26° <b>Ⅱ</b> 23'55	23°35'38	direct	13129 Jun 04 15:04	4° <b>Ⅱ</b> 30′57	2280(15)
	13128 Jul 04 20:16	0°©		morning max el	13129 Jun 14 00:59	10° <b>Ⅲ</b> 02'17 11° <b>Ⅲ</b> 42'33	22°06'56
morning set	13128 Jul 26 11:16	0° <b>Ω</b> 16° <b>Ω</b> 16'36		desc. node	13129 Jun 15 15:18 13129 Jun 29 17:07	11° <b>ய</b> 42'33	
max. Earth dist.	13128 Aug 05 12:39 13128 Aug 09 11:14		1.39070 AU	morning set	13129 Jul 17 00:56	0 26° 26° 22'27	
max. Earth dist.	13128 Aug 13 08:54	0° m)	1.39070 AU	morning set	13129 Jul 17 00:36	20 <b>3</b> 22 27	
	13126 Aug 13 06.34	V III		max. Earth dist.	13129 Jul 22 11:19		1.41371 AU
superior conj	13128 Aug 17 01:19	6° m 47'09	-0°49'33	max. Latin dist.	1312) Jul 22 11.1)	3 6610 47	1.413/1 AU
minimum elong	13128 Aug 17 01:19 13128 Aug 17 04:52	7° m) 03'48		superior conj	13129 Jul 30 06:04	18° <b>Ω</b> 39'37	-1°23'53
asc. node	13128 Aug 22 14:07	17° <b>m</b> ) 20'36	0 1923	minimum elong	13129 Jul 30 12:14	19° <b>Ω</b> 06'57	
evening rise	13128 Aug 26 06:30	24° m/30'27			13129 Aug 05 12:40	0° m)	
	13128 Aug 29 02:44	0∘ <u>ರ</u>		asc. node	13129 Aug 09 10:46	7° <b>m</b> ) 15'48	
evening max el	13128 Sep 11 10:33	20° <b>₽</b> 47'56	18°46'32	evening rise	13129 Aug 09 18:13	7° m/ 50'22	
retrograde	13128 Sep 19 19:51	25° <b>♀</b> 00'43		<i>y</i>	13129 Aug 22 20:28	0∘ <u>⊽</u>	
evening set	13128 Sep 21 17:28	24° <b>≏</b> 48'32		evening max el	13129 Aug 25 17:58	3° <b>£</b> 21'03	18°14'55
desc. node	13128 Sep 24 15:00	23° <b>-</b> 47′15		retrograde	13129 Sep 02 00:05	7° <b>♀</b> 01'51	
inferior conj	13128 Sep 29 20:53	20° <b>£</b> 26′56	-1°39'38	evening set	13129 Sep 04 04:02	6° <b>£</b> 42'52	
minimum elong	13128 Sep 29 16:45	20° <b>ჲ</b> 34'30		inferior conj	13129 Sep 11 12:47	2° <b>≙</b> 00'24	-0°00'13
min. Earth dist.	13128 Oct 02 22:46			minimum elong	13129 Sep 11 12:46	2° <b>ჲ</b> 00'26	0°00'17
morning rise	13128 Oct 07 12:40	15° <b>≏</b> 29'31		transit middle	13129 Sep 11 12:46	2° <b>ჲ</b> 00'26	0°00'17
direct	13128 Oct 13 07:57	14° <b>≏</b> 07'44		transit begin	13129 Sep 11 09:19	2° <b>≙</b> 07'46	
morning max el	13128 Oct 27 13:54	21° <b>≏</b> 31'42	26°27'21	transit end	13129 Sep 11 16:13	1° <b>≏</b> 53'04	
-	13128 Nov 04 00:03	$0^{\circ}$ M		desc. node	13129 Sep 11 12:31	2° <b>≏</b> 00'59	
asc. node	13128 Nov 18 15:48	23°M38'17			13129 Sep 13 21:10	30°R, Mp	
	13128 Nov 21 21:18	0° <b>∡</b> ¹		min. Earth dist.	13129 Sep 14 20:21	29° <b>m</b> 12'08	0.58957 AU
morning set	13128 Nov 25 11:25	7° <b>∡</b> "29'47		morning rise	13129 Sep 18 18:04	26° <b>m</b> 28'01	
				direct	13129 Sep 25 02:44	24° <b>m</b> 38'19	
superior conj	13128 Dec 02 06:46	22° <b>∡</b> ¹29'15	1°36'31		13129 Oct 06 19:56	0∘ <b>亚</b>	

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morning max el	13129 Oct 09 10:33	2° <b>₽</b> 22'50	27°31'33		13130 Oct 04 11:23	0∘ <b>亚</b>	
	13129 Oct 29 11:06	0°M,			13130 Oct 21 22:15	0°M,	
asc. node	13129 Nov 05 12:36	13°M08'46		asc. node	13130 Oct 23 09:19	2°M55'49	
morning set	13129 Nov 09 18:52	21°M53'35		morning set	13130 Oct 24 21:18	6°M00'10	1 21517 411
	13129 Nov 13 12:48	0° <b>∡</b> ¹		max. Earth dist.	13130 Oct 30 14:38	18°M 15'03	1.31517 AU
superior conj	13129 Nov 16 18:25	7° <b>∡</b> 11'10	1°29'00	superior conj	13130 Nov 01 04:52	21°M46'00	1°15'47
minimum elong	13129 Nov 16 16:44	7° <b>∡</b> 101'46	1°29'44	minimum elong	13130 Nov 01 02:40	21°M33'52	1°16'12
max. Earth dist.	13129 Nov 16 07:48	6° <b>∡</b> 111'55	1.31225 AU		13130 Nov 04 21:58	0° <b>∡</b> ¹	
evening rise	13129 Nov 23 11:55	22° <b>∡</b> "01'43		evening rise	13130 Nov 07 21:58	6° <b>х</b> 33′42	
	13129 Nov 27 07:36	ರ∘ರ			13130 Nov 19 23:52	ರ°0	
desc. node	13129 Dec 08 09:30	20° <b>පි</b> 01'56		desc. node	13130 Nov 25 06:37	8° <b>る</b> 12'10	
	13129 Dec 15 07:28	0° <b>≈</b>		evening max el	13130 Dec 04 07:18	18° <b>る</b> 59'33	25°05'21
evening max el	13129 Dec 22 15:17	8° <b>≈</b> 14'48	26°26'42	retrograde	13130 Dec 18 02:44	25° <b>る</b> 54'46	
retrograde	13130 Jan 05 14:16	15° <b>≈</b> 21'10		evening set	13130 Dec 23 19:07	24° <b>る</b> 42'17	
evening set	13130 Jan 12 01:52	13° <b>≈</b> 38'54		min. Earth dist.	13130 Dec 28 19:17		0.56729 AU
min. Earth dist.	13130 Jan 16 04:59		0.58688 AU	inferior conj	13130 Dec 31 11:39	20°る14'48	
inferior conj	13130 Jan 19 08:17	8°≈40'47		minimum elong	13130 Dec 31 19:43	20° <b>る</b> 01'36	5°10'42
minimum elong	13130 Jan 19 16:33	8°≈25'11	3°57'54	morning rise	13131 Jan 08 22:36	16° <b>ろ</b> 05'08	
morning rise	13130 Jan 27 10:11	4°≈09'09 3°≈54'38		direct asc. node	13131 Jan 11 04:51 13131 Jan 19 08:57	15°る50'30 19°る17'16	
direct asc. node	13130 Jan 29 11:23 13130 Feb 01 11:39	3 ≈34 38 4°≈27'35		morning max el	13131 Jan 20 13:34	19 <b>3</b> 1710 20° <b>る</b> 22'17	10015102
morning max el	13130 Feb 06 13:13	4 ≈2733 7°≈53'34	18°24'26	morning max er	13131 Jan 27 22:05	20 <b>3</b> 22 17 0° <b>≈</b>	19 13 02
morning max ci	13130 Feb 20 17:07	0° <b>∺</b>	10 24 20	morning set	13131 Feb 06 10:07	0 <b>~</b> 17° <b>≈</b> 35'33	
morning set	13130 Feb 22 09:08	3° <b>¥</b> 10′28		morning sec	13131 Feb 12 15:52	0° <b>∀</b>	
						• /	
superior conj	13130 Mar 03 13:31	20° <b>)</b> 30′54	0°22'52	superior conj	13131 Feb 14 15:16	3° <b>¥</b> 51′07	0°51'54
minimum elong	13130 Mar 03 15:08	20° <b>¥</b> 38′17	0°22'51	minimum elong	13131 Feb 14 17:59	4° <b>₩</b> 04'15	0°52'01
desc. node	13130 Mar 06 10:29	25° <b>)</b> 43′39		desc. node	13131 Feb 21 07:01	16° <b>) 1</b> 9′38	
	13130 Mar 08 20:23	$0^{\circ}$ Y		max. Earth dist.	13131 Feb 21 08:20	16° <b>¥</b> 25'32	1.38448 AU
max. Earth dist.	13130 Mar 11 01:37	3° <b>Y</b> 50'48	1.40694 AU	evening rise	13131 Feb 25 02:10	23° <b>∺</b> 03'39	
evening rise	13130 Mar 15 11:25	11° <b>Y</b> 15'42			13131 Mar 01 04:12	0° <b>Υ</b>	
	13130 Mar 27 10:15	0°8			13131 Mar 21 06:07	0° <b>8</b>	
evening max el	13130 Apr 18 20:30	29° <b>8</b> 16'33	23°29'04	evening max el	13131 Apr 01 10:09	13° <b>8</b> 08'54	24°48'26
	13130 Apr 19 14:17	0°Щ 5°Щ33'50		retrograde	13131 Apr 13 04:15	20° <b>8</b> 00'01	
retrograde asc. node	13130 Apr 29 12:54 13130 Apr 30 08:20	5° <b>П</b> 33'50		asc. node evening set	13131 Apr 17 05:40 13131 Apr 18 19:50	18° <b>8</b> 47'54 17° <b>8</b> 38'01	
evening set	13130 Apr 30 08:20	3° <b>П</b> 23'31		min. Earth dist.	13131 Apr 18 19:30 13131 Apr 23 07:28	17 <b>8</b> 3801	0.68229 AU
evening set	13130 May 07 19:35	30°R₩		inferior conj	13131 Apr 24 09:38	11° <b>8</b> 07'41	2°04'00
min. Earth dist.	13130 May 09 12:25		0.68780 AU	minimum elong	13131 Apr 24 07:29	11° <b>8</b> 14'49	
inferior conj	13130 May 10 02:07	26° <b>8</b> 56'37		morning rise	13131 Apr 29 19:21	5° <b>8</b> 10'37	
minimum elong	13130 May 10 00:08		2°35'15	direct	13131 May 03 13:05	3° <b>8</b> 50'28	
morning rise	13130 May 15 07:31	20° <b>8</b> 51'00		morning max el	13131 May 10 19:51	7° <b>8</b> 52'12	19°37'39
direct	13130 May 19 13:26	19° <b>8</b> 09'58		desc. node	13131 May 20 09:05	19° <b>8</b> 48'31	
morning max el	13130 May 27 18:42	23° <b>8</b> 51'27	20°45'56	greatest brilliancy	13131 May 23 12:09	24° <b>8</b> 19'11	-0.6m
	13130 Jun 02 03:40	$\Pi$ °0			13131 May 27 08:05	$\Pi$ °0	
desc. node	13130 Jun 02 12:15	0° <b>Ⅱ</b> 27'10		morning set	13131 Jun 05 14:36	14° <b>Ⅱ</b> 05'30	
	13130 Jun 23 00:45	0.20		T	13131 Jun 15 20:19	0°©	1 11052 177
morning set	13130 Jun 26 13:29	5°526'51	1 42204 ATT	max. Earth dist.	13131 Jun 17 07:59	2°9920'37	1.44873 AU
max. Earth dist.	13130 Jul 04 18:18	18-49/26/12	1.43384 AU	superior conj	13131 Jun 21 19:37	9° <b>©</b> 29'04	-2°11'08
superior conj	13130 Jul 11 12:48	29° <b>©</b> 34'39	-1°53'17	minimum elong	13131 Jun 21 19:37 13131 Jun 21 23:08	9°9029'04 9°9043'11	
minimum elong	13130 Jul 11 12:48	0°Ω04'08		minimum ciong	13131 Jul 04 07:33	9 <b>3</b> 43 11	2 12 02
minimum ciong	13130 Jul 11 18:50	0° <b>Ω</b>	1 33 37	evening rise	13131 Jul 05 15:53	2° <b>Ω</b> 15'33	
evening rise	13130 Jul 23 15:03	20° <b>Ω</b> 29'35		asc. node	13131 Jul 14 04:13	16° <b>Ω</b> 26'09	
asc. node	13130 Jul 27 07:29	26° <b>£</b> 59'31		evening max el	13131 Jul 23 21:00	29° <b>Ω</b> 49'56	18°10'00
	13130 Jul 29 00:55	0° <b>m</b> )		<i>Q</i>	13131 Jul 24 01:07	0° m)	
evening max el	13130 Aug 09 06:43	16° m/25'08	18°03'05	retrograde	13131 Jul 30 05:34	3° <b>m</b> 10'46	
retrograde	13130 Aug 15 20:49	19° <b>m</b> 48'44		evening set	13131 Aug 02 01:45	2° m/28'01	
evening set	13130 Aug 18 08:45	19° <b>m</b> 19'14			13131 Aug 05 09:56	30°R <b>Ω</b>	
inferior conj	13130 Aug 25 00:26	14° <b>m</b> 16'44	1°17'33	inferior conj	13131 Aug 08 03:53	27° <b>Ω</b> 07'41	2°12'46
minimum elong	13130 Aug 25 02:32	14° Mp 11'35	1°16'28	minimum elong	13131 Aug 08 06:24	27° <b>Ω</b> 00'41	2°11'29
min. Earth dist.	13130 Aug 28 02:38	11° <b>m</b> ) 15'42	0.61243 AU	min. Earth dist.	13131 Aug 10 18:34	24° <b>Ω</b> 14'54	0.63452 AU
desc. node	13130 Aug 29 10:00	10° Mp 05'10		morning rise	13131 Aug 14 09:17	20° <b>Ω</b> 52'43	
morning rise	13130 Aug 31 17:38	8° m, 18'02		desc. node	13131 Aug 16 07:28	19° <b>Ω</b> 36'51	
direct	13130 Sep 07 09:03	6° Mp 03'32	2795750	direct	13131 Aug 21 01:00	18° <b>Ω</b> 20'36	27045150
morning max el	13130 Sep 21 14:21	14° Mp 00'45	2/~5/50	morning max el	13131 Sep 03 23:10	26° <b>Ω</b> 22'01	21~45'59

	13131 Sep 07 08:25	0° <b>™</b>		desc. node	13132 Aug 02 04:53	1° <b>Ω</b> 25′15	
	13131 Sep 28 02:02	0∘ <b>⊽</b>		direct	13132 Aug 03 01:12	1° <b>Ω</b> 22'40	
morning set	13131 Oct 08 16:29	19° <b>≙</b> 43'59		morning max el	13132 Aug 16 10:12	9° <b>Ω</b> 16'11	27°01'05
asc. node	13131 Oct 10 05:58	22° <b>ჲ</b> 53'51			13132 Sep 01 16:15	0° <b>™</b>	
max. Earth dist.	13131 Oct 13 15:55	0° <b>M</b> ₀01′22	1.32331 AU		13132 Sep 19 12:15	0∘ <b>ত</b>	
	13131 Oct 13 15:39	0° <b>M</b> .		morning set	13132 Sep 21 01:34	2° <b>♀</b> 57'45	
				max. Earth dist.	13132 Sep 25 08:11	11° <b>≏</b> 24'33	1.33677 AU
superior conj	13131 Oct 16 12:11	6° <b>™</b> 08'19	0°56'59	asc. node	13132 Sep 26 02:33	12° <b>≏</b> 58′00	
minimum elong	13131 Oct 16 09:58	5° <b>M</b> 56′18	0°57'06				
evening rise	13131 Oct 23 09:09	21°M06'42		superior conj	13132 Sep 29 14:09	20° <b>₽</b> 11'54	0°32'45
	13131 Oct 27 15:14	0° <b>∡</b> ¹		minimum elong	13132 Sep 29 12:33	20° <b>ഫ</b> 03'28	0°32'41
desc. node	13131 Nov 12 03:50	25° <b>∡</b> 16′22			13132 Oct 04 04:38	0° <b>M</b>	
evening max el	13131 Nov 15 17:28	29° <b>х</b> 07'17	23°25'50	evening rise	13132 Oct 06 19:36	5° <b>M</b> 35′08	
	13131 Nov 16 16:00	0° <b>ರ</b>			13132 Oct 19 21:39	0° <b>∡</b> 7	
retrograde	13131 Nov 29 02:38	5° <b>る</b> 46'59		evening max el	13132 Oct 27 06:19	9° <b>∡</b> 11'52	21°45'46
evening set	13131 Dec 03 12:53	5° <b>る</b> 04'23		desc. node	13132 Oct 29 01:10	10° <b>∡</b> ¹49'59	
min. Earth dist.	13131 Dec 10 03:30	1° <b>る</b> 56'52	0.55255 AU	retrograde	13132 Nov 08 16:13	15° <b>∡</b> ¹21'35	
inferior conj	13131 Dec 11 18:58	0° <b>る</b> 59'16	-5°53'28	evening set	13132 Nov 11 16:46	15° <b>∡</b> ′00′58	
minimum elong	13131 Dec 11 21:18	0° <b>る</b> 55'50	5°52'21	inferior conj	13132 Nov 20 12:35	11° <b>∡</b> ¹06′27	-5°39'47
	13131 Dec 13 12:03	30°₽ <b>⋌</b> ¹		minimum elong	13132 Nov 20 06:10	11° <b>∡</b> 15′28	5°38'01
morning rise	13131 Dec 20 07:26	27° <b>∡</b> ¹07′26		min. Earth dist.	13132 Nov 20 09:48	11° <b>∡</b> 10′22	0.54545 AU
direct	13131 Dec 23 03:00	26° <b>∡</b> ¹48'16		morning rise	13132 Nov 28 20:34	7° <b>∡</b> 18'50	
	13131 Dec 31 16:17	0°₹		direct	13132 Dec 02 12:06	6° <b>∡</b> ¹49'45	
morning max el	13132 Jan 03 00:43	2° <b>る</b> 00'29	20°28'39	morning max el	13132 Dec 14 21:48	12° <b>∡</b> ¹45'46	22°03'36
asc. node	13132 Jan 06 06:10	5° <b>る</b> 31'40		asc. node	13132 Dec 23 03:18	22° <b>∡</b> 52'41	
	13132 Jan 20 14:43	0° <b>≈</b>			13132 Dec 27 11:41	8°0	
morning set	13132 Jan 21 17:03	2° <b>≈</b> 14'48		morning set	13133 Jan 05 03:25	17° <b>る</b> 00'02	
					13133 Jan 11 05:58	0° <b>≈</b>	
superior conj	13132 Jan 29 05:55	17° <b>≈</b> 46′29	1°13'41				
minimum elong	13132 Jan 29 08:34	17° <b>≈</b> 59'56	1°14'06	superior conj	13133 Jan 12 05:41	2° <b>≈</b> 05'22	
max. Earth dist.	13132 Feb 03 15:57	28° <b>≈</b> 28'47	1.36267 AU	minimum elong	13133 Jan 12 07:36	2° <b>≈</b> 15'27	
	13132 Feb 04 11:04	0° <b>\</b>		max. Earth dist.	13133 Jan 16 05:01	10°≈19'24	1.34359 AU
evening rise	13132 Feb 07 11:53	5° <b>)</b> 39'40		evening rise	13133 Jan 20 13:01	18° <b>≈</b> 53'55	
desc. node	13132 Feb 08 03:37	6° <b>¥</b> 51'25		desc. node	13133 Jan 25 00:17	27°≈14'11	
	13132 Feb 22 00:55	0°Υ			13133 Jan 26 13:22	0° <b>)</b> €	
evening max el	13132 Mar 13 23:36	26° <b>Y</b> 59'28	25°59'29		13133 Feb 15 04:04	0°Υ	2 (0 5 5 10 0
. 1	13132 Mar 17 08:05	0°8		evening max el	13133 Feb 24 13:11	10° <b>℃</b> 41'12	26°55'00
retrograde	13132 Mar 26 14:57	4° <b>8</b> 13'49		retrograde	13133 Mar 09 20:09	18° <b>℃</b> 06'57	
evening set	13132 Apr 01 17:48	1°843'54		evening set	13133 Mar 16 08:42	15° <b>Υ</b> 34'25	0.65040.441
asc. node	13132 Apr 03 03:04	0° <b>8</b> 27'30		min. Earth dist.	13133 Mar 20 08:16		0.65849 AU
	13132 Apr 03 13:46	30°₹ <b>Υ</b>	0 (50 40 47)	asc. node	13133 Mar 21 00:31	10° <b>℃</b> 53'12	0005100
min. Earth dist.	13132 Apr 05 22:45	27° <b>Y</b> 15'31	0.67243 AU	inferior conj	13133 Mar 22 11:03	9° <b>Y</b> 12'49	0°27'28
inferior conj	13132 Apr 07 13:21	25° <b>Y</b> 14'52	1°21'10	minimum elong	13133 Mar 22 10:19	9° <b>Υ</b> 14'57	0°27'06
minimum elong	13132 Apr 07 11:33	25° <b>Y</b> 20′29	1°20'12	morning rise	13133 Mar 28 13:17	3° <b>Υ</b> 37'21	
morning rise	13132 Apr 13 06:02	19° <b>℃</b> 27'44		direct	13133 Mar 31 09:41	2°Y53'00	10000122
direct	13132 Apr 16 12:29	18° <b>Y</b> 26'54	18°44'47	morning max el	13133 Apr 06 18:40	6° <b>Y</b> 14'01 29° <b>Y</b> 44'40	18°08'32
morning max el	13132 Apr 23 04:26 13132 Apr 29 17:17	22° <b>Y</b> 01'55 0° <b>と</b>	18-44-47	desc. node	13133 Apr 23 02:28 13133 Apr 23 06:16	0° <b>8</b>	
desc. node	13132 Apr 29 17:17 13132 May 06 05:49	9° <b>8</b> 36'54		morning set	13133 Apr 25 00:10 13133 Apr 25 15:21	3° <b>8</b> 50'34	
morning set	13132 May 15 02:00	23° <b>8</b> 19'17		morning set	13133 Apr 23 13.21	3 03034	
morning set	13132 May 19 08:44	0°Ⅱ		superior conj	13133 May 10 16:16	27° <b>8</b> 48'12	-1°50'32
max. Earth dist.	13132 May 19 08:44 13132 May 30 01:55		1.45687 AU	minimum elong	13133 May 10 07:15	27° <b>8</b> 12'53	
max. Latin dist.	13132 Way 30 01.33	10 143 00	1.43007 AC	minimum ciong	13133 May 12 01:54	27 <b>日</b> 233	1 30 30
superior conj	13132 May 31 07:53	18° <b>Ⅱ</b> 40'10	-2°10'50	max. Earth dist.	13133 May 12 01:34		1.45758 AU
minimum elong	13132 May 31 07:53	18° <b>Ⅱ</b> 24'30		evening rise	13133 May 26 18:28	22° <b>I</b> I50'36	1.43/30 AC
minimum ciong	13132 May 31 03:32 13132 Jun 07 12:46	0°95	2 1141	evening rise	13133 May 20 18:28 13133 May 31 09:26	0°95	
evening rise	13132 Jun 15 16:45	13°900'37		greatest brilliancy	13133 Jun 07 20:04	11° <b>©</b> 22'31	-0.7m
greatest brilliancy	13132 Jun 22 02:11	23°©15'13	-0.9m	asc. node	13133 Jun 16 22:01	24°502'05	V. / III
Sicurest offinality	13132 Jun 26 09:04	23 <b>3</b> 13 13	0.7111	evening max el	13133 Jun 19 18:42	24 <b>3</b> 02 03 27° <b>9</b> 13'35	19°16'48
asc. node	13132 Jun 30 01:04	5° <b>Ω</b> 29'41		Croning max ci	13133 Jun 23 04:26	27 <b>3</b> 13 33	17 10 70
evening max el	13132 Jul 06 09:47	13° <b>Ω</b> 28'03	18°34'53	retrograde	13133 Jun 26 18:58	1° <b>Ω</b> 08'13	
retrograde	13132 Jul 12 22:03	16° <b>Ω</b> 59'34	10 54 55	evening set	13133 Jun 30 08:44	29°©53'58	
evening set	13132 Jul 12 22:03 13132 Jul 16 02:46	16° <b>Ω</b> 01'39		evening set	13133 Jun 30 05:10	29 933 38 30°R9	
inferior conj	13132 Jul 21 19:08	10° <b>Ω</b> 25'38	2°48'18	inferior conj	13133 Jul 05 18:47	24°903'50	3°07'28
minimum elong	13132 Jul 21 19.08 13132 Jul 21 21:07	10 <b>δι</b> 23 38 10° <b>Ω</b> 19'34		minimum elong	13133 Jul 05 19:49	24 903 30 24°900'28	3°06'24
min. Earth dist.	13132 Jul 23 19:48	7° <b>Ω</b> 57'55		min. Earth dist.	13133 Jul 07 04:52	22°S12'49	0.66961 AU
morning rise	13132 Jul 27 14:25	4°Ω03'02	3.05570 AU	morning rise	13133 Jul 11 06:20	17°939'57	3.00701 AU
	10102 vai 2/ 17.20	. 000502			10100 Jul 11 00.20	., -3,51	

direct	13133 Jul 17 08:24	15° <b>©</b> 01'06		min. Earth dist.	13134 Jun 20 19:51	6° <b>©</b> 48'23	0.68078 AU
desc. node	13133 Jul 20 02:14	15° <b>©</b> 28'42		morning rise	13134 Jun 25 06:25	1° <b>©</b> 34'54	
morning max el	13133 Jul 29 21:07	22° <b>©</b> 31'02	25°51'35		13134 Jun 27 11:05	30°R∏	
	13133 Aug 05 10:59	$0$ $\circ$ $\Omega$		direct	13134 Jun 30 21:09	29° <b>∏</b> 06′08	
	13133 Aug 25 23:04	0° <b>m</b> )			13134 Jul 04 14:19	$0$ $\circ$	
morning set	13133 Sep 03 21:03	15° <b>m</b> 33'03		desc. node	13134 Jul 06 23:29	1° <b>©</b> 21'53	
max. Earth dist.	13133 Sep 07 14:09	22° Mp 30'25	1.35518 AU	morning max el	13134 Jul 12 07:12	5°956'44	24°27'09
	13133 Sep 11 10:17	0∘ <b>⊽</b>			13134 Jul 30 22:25	$0$ $\circ$ $\Omega$	
asc. node	13133 Sep 12 23:09	3° <b>₾</b> 04'42		morning set	13134 Aug 16 22:30	27° <b>Ω</b> 18′21	
					13134 Aug 18 11:22	0° <b>™</b>	
superior conj	13133 Sep 13 08:13	3° <b>ჲ</b> 50'29	0°03'35	max. Earth dist.	13134 Aug 20 13:04	3°m/42'00	1.37727 AU
minimum elong	13133 Sep 13 08:00	3° <b>≏</b> 49'27	0°03'31				
behind sun begin	13133 Sep 13 02:00	3° <b>₽</b> 19'04		superior conj	13134 Aug 27 15:01	16° Mp 55'27	-0°29'29
behind sun end	13133 Sep 13 14:01	4° <b>£</b> 19'53		minimum elong	13134 Aug 27 17:01	17° <b>m</b> ) 05'07	0°29'26
evening rise	13133 Sep 21 03:17	19° <b>≏</b> 54'03		asc. node	13134 Aug 30 19:44	23° <b>m</b> 09'51	
	13133 Sep 26 04:05	0°M₊			13134 Sep 03 06:18	0∘ <b>⊽</b>	
evening max el	13133 Oct 09 06:46	19°M49'05	20°19'39	evening rise	13134 Sep 05 05:44	3° <b>ჲ</b> 56'36	
desc. node	13133 Oct 15 22:34	24°M25'29			13134 Sep 20 17:32	$0^{\circ}$ M	
retrograde	13133 Oct 20 03:47	25°M13'26		evening max el	13134 Sep 21 21:23	1°M13'44	19°14'12
evening set	13133 Oct 22 06:17	25°ML02'13		retrograde	13134 Oct 01 02:30	5°M50'16	
inferior conj	13133 Oct 31 05:44	21°M05'53	-4°28'26	evening set	13134 Oct 02 23:01	5°M39'51	
minimum elong	13133 Oct 30 19:39	21°M20'42	4°24'50	desc. node	13134 Oct 02 20:03	5°M41'11	
min. Earth dist.	13133 Nov 01 17:20	20°M13'33	0.54774 AU	inferior conj	13134 Oct 11 12:09	1°M29'16	-2°42'59
morning rise	13133 Nov 08 08:18	17° <b>M</b> L02'44		minimum elong	13134 Oct 11 05:09	1° <b>M</b> 40'56	2°39'55
direct	13133 Nov 12 21:50	16° <b>M</b> ₊17'42			13134 Oct 13 17:44	30°Ŗ <b>죠</b>	
morning max el	13133 Nov 26 09:16	22°M53'25	23°51'21	min. Earth dist.	13134 Oct 14 04:17	29° <b>≏</b> 42'50	0.55902 AU
	13133 Dec 02 16:16	0° <b>∡</b> ¹		morning rise	13134 Oct 19 08:44	26° <b>≏</b> 54'05	
asc. node	13133 Dec 10 00:22	11° <b>∡</b> ¹04'50		direct	13134 Oct 24 18:18	25° <b>≏</b> 47'20	
	13133 Dec 19 19:22	0°ප			13134 Nov 04 10:07	$0^{\circ}$ M	
morning set	13133 Dec 20 15:15	1° <b>ප</b> 45'46		morning max el	13134 Nov 07 19:45	2°M54'55	25°36'00
				asc. node	13134 Nov 26 21:19	29°M55'11	
superior conj	13133 Dec 27 11:39	16° <b>る</b> 39'17	1°36'25		13134 Nov 26 22:22	0° <b>∡</b>	
minimum elong	13133 Dec 27 12:30	16° <b>පි</b> 43'59	1°37'23	morning set	13134 Dec 05 02:47	16° <b>≯</b> 27'08	
max. Earth dist.	13133 Dec 30 01:59	22° <b>る</b> 14'57	1.32860 AU		13134 Dec 11 06:44	8°0	
	13134 Jan 02 19:00	0° <b>≈</b>					
evening rise	13134 Jan 04 02:08	2° <b>≈</b> 37'43		superior conj	13134 Dec 11 21:24	1° <b>る</b> 21'17	1°38'12
desc. node	13134 Jan 11 21:01	17° <b>≈</b> 23'07		minimum elong	13134 Dec 11 21:10	1° <b>る</b> 19'57	1°39'12
	13134 Jan 19 09:52	0° <b>∀</b>		max. Earth dist.	13134 Dec 13 05:59	4° <b>ප</b> 21'16	1.31828 AU
evening max el	13134 Feb 07 02:07	24° <b>)</b> €04'08	27°27'37	evening rise	13134 Dec 19 00:11	16° <b>る</b> 43'17	
	13134 Feb 15 00:50	$0^{\circ}$ Y			13134 Dec 25 17:43	0° <b>≈</b>	
retrograde	13134 Feb 20 18:44	1° <b>Y</b> 30'39		desc. node	13134 Dec 29 17:52	7° <b>≈</b> 12'07	
	13134 Feb 26 02:46	30° <b>₹</b> ₩			13135 Jan 14 03:39	0° <b>)</b> €	
evening set	13134 Feb 27 14:18	29° <b>)</b> 02′09		evening max el	13135 Jan 20 12:22	6° <b>¥</b> 55'41	27°30'46
min. Earth dist.	13134 Mar 03 09:56	25° <b>)</b> 38′20	0.64105 AU	retrograde	13135 Feb 03 09:41	14° <b>) (</b> 16′10	
inferior conj	13134 Mar 06 00:07	22° <b>)</b> 55′17	-0°37'20	evening set	13135 Feb 10 07:53	11° <b>)</b> 59'11	
minimum elong	13134 Mar 06 01:17	22° <b>)</b> 52′15	0°36'38	min. Earth dist.	13135 Feb 14 01:55	9° <b>∺</b> 01'31	0.62090 AU
asc. node	13134 Mar 07 22:00	20° <b>¥</b> 58′17		inferior conj	13135 Feb 17 01:32	6° <b>) 1</b> 4′42	-1°52'19
morning rise	13134 Mar 12 14:22	17° <b>∺</b> 33'52		minimum elong	13135 Feb 17 05:24	6° <b>米</b> 05′39	1°50'15
direct	13134 Mar 15 02:14	17° <b>)</b> €02'30		asc. node	13135 Feb 22 19:28	1° <b>)</b> 46′30	
morning max el	13134 Mar 21 11:59	20° <b>)</b> € 20'44	17°49'23	morning rise	13135 Feb 24 05:39	1° <b>)</b> 10′26	
	13134 Mar 28 20:24	$0^{\circ}$ $\Upsilon$		direct	13135 Feb 26 10:57	0° <b>)</b> 48′22	
morning set	13134 Apr 07 08:43	15° <b>Ƴ</b> 43'08		morning max el	13135 Mar 05 05:21	4° <b>) (</b> 14′13	17°47'57
desc. node	13134 Apr 09 23:03	20° <b>Y</b> ′06′02		morning set	13135 Mar 21 00:54	28° <b>)</b> (40′53	
	13134 Apr 15 21:42	$9^{\circ}$ 8			13135 Mar 21 18:44	$0$ ° $\Upsilon$	
				desc. node	13135 Mar 27 19:36	10° <b>Ƴ</b> 36'49	
superior conj	13134 Apr 20 13:49	7° <b>8</b> 36'42	-1°15'46				
minimum elong	13134 Apr 20 06:08	7° <b>8</b> 05'42	1°15'19	superior conj	13135 Apr 01 10:30	18° <b>Ƴ</b> 31'19	-0°35'32
max. Earth dist.	13134 Apr 25 16:54		1.45098 AU	minimum elong	13135 Apr 01 07:05	18° <b>Ƴ</b> 16'54	0°35'13
	13134 May 04 19:45	$\Pi$ $\circ 0$			13135 Apr 08 09:20	$9^{\circ}$ 8	
evening rise	13134 May 06 06:38	2° <b>Ⅱ</b> 13'46		max. Earth dist.	13135 Apr 08 09:46	0° <b>8</b> 01'41	1.43773 AU
	13134 May 25 00:19	$0$ $\circ$		evening rise	13135 Apr 15 21:11	11° <b>8</b> 51'44	
evening max el	13134 Jun 02 22:11	11° <b>©</b> 01'28	20°14'11		13135 Apr 27 21:54	$\Pi$ °0	
asc. node	13134 Jun 03 19:06	11° <b>©</b> 52'08		evening max el	13135 May 16 19:54	24° <b>Ⅱ</b> 50′08	21°24'06
retrograde	13134 Jun 10 17:40	15° <b>©</b> 30'07		asc. node	13135 May 21 16:17	28° <b>Ⅱ</b> 46'40	
evening set	13134 Jun 14 17:13	13° <b>©</b> 59'02			13135 May 25 09:05	$0$ $\circ$	
inferior conj	13134 Jun 19 23:59	7° <b>9</b> 56'07	3°13'06	retrograde	13135 May 25 16:16	0° <b>ട്</b> 00'27	
minimum elong	13134 Jun 19 23:58	7° <b>9</b> 56'10	3°12'05		13135 May 25 23:24	30°RⅡ	

	12125 M 20 02-10	200T12155			12126 Mars 12 10-10	12° <b>Ⅲ</b> 30'40	
evening set	13135 May 30 02:19	28° <b>Ⅱ</b> 12'55	2007105	evening set	13136 May 13 10:19		2050122
inferior conj	13135 Jun 04 08:24	21° <b>I</b> I58'38	3°07'05	inferior conj	13136 May 18 17:58	6° <b>Ⅱ</b> 07'19	
minimum elong	13135 Jun 04 07:26	22° <b>I</b> I02'02	3°06'01	minimum elong	13136 May 18 16:15	6° <b>Ⅱ</b> 13'15	2°49'23
min. Earth dist.	13135 Jun 04 14:44	21° <b>Ⅲ</b> 36'38	0.68724 AU	min. Earth dist.	13136 May 18 11:23	6° <b>Ⅲ</b> 30′11	0.68893 AU
morning rise	13135 Jun 09 12:22	15° <b>Ⅱ</b> 42'27		morning rise	13136 May 23 22:04	29° <b>8</b> 57'31	
direct	13135 Jun 14 14:28	13° <b>Ⅱ</b> 29'57			13136 May 23 20:54	30° <b>₹</b> 8	
desc. node	13135 Jun 23 20:37	18° <b>Ⅱ</b> 38'17		direct	13136 May 28 11:10	28° <b>8</b> 04'45	
morning max el	13135 Jun 24 18:02	19° <b>Ⅱ</b> 30′53	22°57'28		13136 Jun 02 13:54	$\Pi$ $^{\circ}0$	
	13135 Jul 03 14:47	$0$ $\circ$ $\odot$		morning max el	13136 Jun 06 08:28	3° <b>Ⅲ</b> 14′03	21°31'14
	13135 Jul 24 02:13	$0^{\circ}\Omega$		desc. node	13136 Jun 09 17:38	6° <b>Ⅱ</b> 55'26	
morning set	13135 Jul 29 01:19	8° <b>Ω</b> 02'44			13136 Jun 26 14:06	0ಂಣ	
max. Earth dist.	13135 Aug 02 11:34	15° <b>Ω</b> 29'45	1.40074 AU	morning set	13136 Jul 08 02:53	17° <b>©</b> 40'46	
				max. Earth dist.	13136 Jul 14 14:31	28°908'07	1.42275 AU
superior conj	13135 Aug 10 06:33	29° <b>Ω</b> 17'21	1004'20	max. Earth dist.	13136 Jul 15 17:38	0° <b>Ω</b>	1.12273710
minimum elong	13135 Aug 10 00:33	29° <b>Ω</b> 39'01			13130 Jul 13 17.36	0 82	
minimum ciong	-		1 0411	superior conj	12126 Iul 22 02:10	10° <b>Ω</b> 45'57	1927!10
	13135 Aug 10 15:52	0° M)		1 3	13136 Jul 22 02:19		
asc. node	13135 Aug 17 16:21	13° Mp 09'57		minimum elong	13136 Jul 22 09:13	11° <b>Ω</b> 15'49	1°3/21
evening rise	13135 Aug 19 23:55	17° <b>m</b> 35'13			13136 Aug 01 21:12	0° <b>m</b>	
	13135 Aug 26 16:06	0∘ <b>⊽</b>		evening rise	13136 Aug 02 05:55	0° <b>m</b> ,39′38	
evening max el	13135 Sep 04 23:45	13° <b>≏</b> 24'09	18°30'30	asc. node	13136 Aug 03 13:01	3° <b>m</b> 01'03	
retrograde	13135 Sep 12 20:05	17° <b>≏</b> 21'47		evening max el	13136 Aug 18 09:51	26° Mp 11'35	18°07'32
evening set	13135 Sep 14 20:04	17° <b>≏</b> 07'08		retrograde	13136 Aug 25 08:03	29° <b>m</b> 43'44	
desc. node	13135 Sep 19 17:33	14° <b>≙</b> 45'43		evening set	13136 Aug 27 15:09	29° <b>m</b> 20'48	
inferior conj	13135 Sep 22 15:31	12° <b>♀</b> 36'17	-0°55'11	inferior conj	13136 Sep 03 16:17	24° m 29'31	0°35'34
minimum elong	13135 Sep 22 13:21	12° <b>₽</b> 40'31	0°54'12	minimum elong	13136 Sep 03 17:25	24° m/26'58	0°34'57
min. Earth dist.	13135 Sep 25 21:16	10° <b>≏</b> 05'39	0.57717 AU	desc. node	13136 Sep 05 15:02	22° m/42'50	
morning rise	13135 Sep 30 03:10	7° <b>£</b> 23'18		min. Earth dist.	13136 Sep 06 22:33	21° m/33'00	0.59913 AU
direct	13135 Oct 06 04:44	5° <b>£</b> 50'01		morning rise	13136 Sep 10 16:27	18° <b>m</b> ) 44'21	0.03310110
morning max el	13135 Oct 20 12:09	13° <b>≏</b> 22'55	26°50'04	direct	13136 Sep 17 04:35	16° m) 43'32	
morning max cr	13135 Nov 02 16:23	0° <b>M</b> .	20 39 04		13136 Oct 01 12:17	24° m) 35'07	27°47'39
				morning max el		24 1∭3307 0° <b>Ω</b>	21 4139
asc. node	13135 Nov 13 18:09	19°M 13'35			13136 Oct 06 11:07		
	13135 Nov 19 01:08	0° ⊀¹			13136 Oct 26 00:35	0°M,	
morning set	13135 Nov 19 12:13	0° <b>∡</b> 759′02		asc. node	13136 Oct 30 14:53	8° <b>M</b> 52′22	
				morning set	13136 Nov 02 17:49	15° <b>M</b> 17′04	
superior conj	13135 Nov 26 08:53	16° <b>∡</b> ¹04'54	1°34'02	max. Earth dist.	13136 Nov 08 22:16	28° <b>™</b> 42'41	1.31281 AU
superior conj minimum elong	13135 Nov 26 08:53 13135 Nov 26 07:40	15° <b>∡</b> ¹58′03	1°34'02 1°34'54		13136 Nov 08 22:16	28°M42'41	1.31281 AU
				max. Earth dist.	13136 Nov 08 22:16 13136 Nov 09 20:16	28°M42'41 0° ₹ 45'05	1.31281 AU 1°24'06
minimum elong	13135 Nov 26 07:40	15° <b>∡</b> ¹58′03	1°34'54				
minimum elong	13135 Nov 26 07:40 13135 Nov 26 13:58	15° <b>х</b> 58′03 16° <b>х</b> 33′19	1°34'54	superior conj	13136 Nov 09 20:16	0° <b>⊀</b> ¹45′05	1°24'06
minimum elong max. Earth dist.	13135 Nov 26 07:40 13135 Nov 26 13:58 13135 Dec 02 16:40	15° <b>メ</b> 58'03 16° <b>メ</b> 33'19 0°る	1°34'54	superior conj	13136 Nov 09 20:16 13136 Nov 09 18:19	0° <b>х</b> ¹45'05 0° <b>х</b> ³34'15	1°24'06
minimum elong max. Earth dist.	13135 Nov 26 07:40 13135 Nov 26 13:58 13135 Dec 02 16:40 13135 Dec 03 04:33	15° <b>メ</b> 58'03 16° <b>メ</b> 33'19 0°る 1°る03'27	1°34'54	superior conj minimum elong	13136 Nov 09 20:16 13136 Nov 09 18:19 13136 Nov 09 12:10	0° ₹ 45'05 0° ₹ 34'15 0° ₹	1°24'06
minimum elong max. Earth dist. evening rise desc. node	13135 Nov 26 07:40 13135 Nov 26 13:58 13135 Dec 02 16:40 13135 Dec 03 04:33 13135 Dec 16 14:49 13135 Dec 18 18:25	15° ₹58'03 16° ₹33'19 0° ₹ 1° ₹03'27 26° ₹32'19 0° ≈	1°34'54 1.31297 AU	superior conj minimum elong evening rise	13136 Nov 09 20:16 13136 Nov 09 18:19 13136 Nov 09 12:10 13136 Nov 16 13:06 13136 Nov 23 15:14	0° 🗗 45′05 0° 🗗 34′15 0° 🗗 15° 🗗 32′56 0° ಕ	1°24'06
minimum elong max. Earth dist. evening rise desc. node evening max el	13135 Nov 26 07:40 13135 Nov 26 13:58 13135 Dec 02 16:40 13135 Dec 03 04:33 13135 Dec 16 14:49 13135 Dec 18 18:25 13136 Jan 02 16:55	15° ₹58'03 16° ₹33'19 0° ጜ 1° ጜ03'27 26° ጜ32'19 0° ≈ 19° ≈01'42	1°34'54	superior conj minimum elong	13136 Nov 09 20:16 13136 Nov 09 18:19 13136 Nov 09 12:10 13136 Nov 16 13:06 13136 Nov 23 15:14 13136 Dec 02 11:53	0°♂45'05 0°♂34'15 0°♂ 15°♂32'56 0°♂ 15°♂12'47	1°24'06
minimum elong max. Earth dist. evening rise desc. node evening max el retrograde	13135 Nov 26 07:40 13135 Nov 26 13:58 13135 Dec 02 16:40 13135 Dec 03 04:33 13135 Dec 16 14:49 13135 Dec 18 18:25 13136 Jan 02 16:55 13136 Jan 16 15:44	15° ₹58'03 16° ₹33'19 0° ₹ 1° ₹03'27 26° ₹32'19 0° ≈ 19° ≈01'42 26° ≈13'43	1°34'54 1.31297 AU	superior conj minimum elong evening rise desc. node	13136 Nov 09 20:16 13136 Nov 09 18:19 13136 Nov 09 12:10 13136 Nov 16 13:06 13136 Nov 23 15:14 13136 Dec 02 11:53 13136 Dec 14 07:06	0° ₹45'05 0° ₹34'15 0° ₹ 15° ₹32'56 0° ₹ 15° ₹12'47 0° ≈	1°24'06 1°24'42
minimum elong max. Earth dist. evening rise desc. node evening max el retrograde evening set	13135 Nov 26 07:40 13135 Nov 26 13:58 13135 Dec 02 16:40 13135 Dec 03 04:33 13135 Dec 16 14:49 13135 Dec 18 18:25 13136 Jan 02 16:55 13136 Jan 16 15:44 13136 Jan 23 09:59	15° ₹58'03 16° ₹33'19 0° で 1° で303'27 26° で32'19 0° ≈ 19° ≈01'42 26° ≈13'43 24° ≈16'13	1°34'54 1.31297 AU 26°59'56	superior conj minimum elong evening rise desc. node evening max el	13136 Nov 09 20:16 13136 Nov 09 18:19 13136 Nov 09 12:10 13136 Nov 16 13:06 13136 Nov 23 15:14 13136 Dec 02 11:53 13136 Dec 14 07:06 13136 Dec 14 13:31	0° ₹45′05 0° ₹34′15 0° ₹ 15° ₹32′56 0° ₹ 15° ₹12′47 0° ≈ 0° ≈15′19	1°24'06 1°24'42
minimum elong max. Earth dist. evening rise desc. node evening max el retrograde evening set min. Earth dist.	13135 Nov 26 07:40 13135 Nov 26 13:58 13135 Dec 02 16:40 13135 Dec 03 04:33 13135 Dec 16 14:49 13135 Dec 18 18:25 13136 Jan 02 16:55 13136 Jan 16 15:44 13136 Jan 23 09:59 13136 Jan 27 07:09	15° ₹58'03 16° ₹33'19 0° で 1° で03'27 26° で32'19 0° ≈ 19° ≈01'42 26° ≈13'43 24° ≈16'13 21° ≈36'01	1°34'54 1.31297 AU 26°59'56 0.59927 AU	superior conj minimum elong evening rise desc. node evening max el retrograde	13136 Nov 09 20:16 13136 Nov 09 18:19 13136 Nov 09 12:10 13136 Nov 16 13:06 13136 Nov 23 15:14 13136 Dec 02 11:53 13136 Dec 14 07:06 13136 Dec 14 13:31 13136 Dec 28 11:36	0° 🗗 45'05 0° 🗗 34'15 0° 🗗 15° 🗗 32'56 0° 云 15° 云 12'47 0° 無 0° 無 15'19 7° 無 17'59	1°24'06 1°24'42
minimum elong max. Earth dist. evening rise desc. node evening max el retrograde evening set min. Earth dist. inferior conj	13135 Nov 26 07:40 13135 Nov 26 13:58 13135 Dec 02 16:40 13135 Dec 03 04:33 13135 Dec 16 14:49 13135 Dec 18 18:25 13136 Jan 02 16:55 13136 Jan 16 15:44 13136 Jan 23 09:59 13136 Jan 27 07:09 13136 Jan 30 11:35	15° \$\times 58'03 16° \$\times 33'19 0° \$\times 10'303'27 26° \$\times 32'19 0° \$\times 19° \$\times 01'42 26° \$\times 13'43 24° \$\times 16'13 21° \$\times 36'01 19° \$\times 00'19	1°34'54 1.31297 AU 26°59'56 0.59927 AU -3°14'11	superior conj minimum elong evening rise desc. node evening max el retrograde evening set	13136 Nov 09 20:16 13136 Nov 09 18:19 13136 Nov 09 12:10 13136 Nov 16 13:06 13136 Nov 23 15:14 13136 Dec 02 11:53 13136 Dec 14 07:06 13136 Dec 14 13:31 13136 Dec 28 11:36 13137 Jan 03 16:28	0° 🗗 45'05 0° 🗗 34'15 0° 🗗 15° 🗗 32'56 0° 石 15° 石 12'47 0° ≈ 0° ≈ 15'19 7° ≈ 17'59 5° ≈ 47'39	1°24'06 1°24'42 25°55'15
minimum elong max. Earth dist.  evening rise desc. node  evening max el retrograde evening set min. Earth dist. inferior conj minimum elong	13135 Nov 26 07:40 13135 Nov 26 13:58 13135 Dec 02 16:40 13135 Dec 03 04:33 13135 Dec 16 14:49 13135 Dec 18 18:25 13136 Jan 02 16:55 13136 Jan 16 15:44 13136 Jan 23 09:59 13136 Jan 27 07:09 13136 Jan 30 11:35 13136 Jan 30 18:30	15° ₹58'03 16° ₹33'19 0° で 1° で303'27 26° で32'19 0° ≈ 19° ≈01'42 26° ≈13'43 24° ≈16'13 21° ≈36'01 19° ≈00'19 18° ≈46'11	1°34'54 1.31297 AU 26°59'56 0.59927 AU	superior conj minimum elong evening rise desc. node evening max el retrograde evening set min. Earth dist.	13136 Nov 09 20:16 13136 Nov 09 18:19 13136 Nov 09 12:10 13136 Nov 16 13:06 13136 Nov 23 15:14 13136 Dec 02 11:53 13136 Dec 14 07:06 13136 Dec 14 13:31 13136 Dec 28 11:36 13137 Jan 03 16:28 13137 Jan 08 02:22	0° ₹45'05 0° ₹34'15 0° ₹ 15° ₹32'56 0° ₹ 15° ₹12'47 0° ≈ 0° ≈15'19 7° ≈17'59 5° ≈47'39 3° ≈10'55	1°24'06 1°24'42 25°55'15 0.57815 AU
minimum elong max. Earth dist.  evening rise desc. node  evening max el retrograde evening set min. Earth dist. inferior conj minimum elong morning rise	13135 Nov 26 07:40 13135 Nov 26 13:58 13135 Dec 02 16:40 13135 Dec 03 04:33 13135 Dec 16 14:49 13135 Dec 18 18:25 13136 Jan 02 16:55 13136 Jan 23 09:59 13136 Jan 27 07:09 13136 Jan 30 11:35 13136 Jan 30 18:30 13136 Feb 07 06:05	15° \$\times 58'03 16° \$\times 33'19 0° \$\times 1° \$\times 03'27 26° \$\times 32'19 0° \$\times 19° \$\times 01'42 26° \$\times 13'43 24° \$\times 16'13 21° \$\times 36'01 19° \$\times 00'19 18° \$\times 46'11 14° \$\times 16'26	1°34'54 1.31297 AU 26°59'56 0.59927 AU -3°14'11	superior conj minimum elong evening rise desc. node evening max el retrograde evening set min. Earth dist. inferior conj	13136 Nov 09 20:16 13136 Nov 09 18:19 13136 Nov 09 12:10 13136 Nov 16 13:06 13136 Nov 23 15:14 13136 Dec 02 11:53 13136 Dec 14 07:06 13136 Dec 14 13:31 13136 Dec 28 11:36 13137 Jan 03 16:28 13137 Jan 08 02:22 13137 Jan 11 02:49	0° ₹45'05 0° ₹34'15 0° ₹ 15° ₹32'56 0° ₹ 15° ₹12'47 0° ≈ 0° ≈15'19 7° ≈17'59 5° ≈47'39 3° ≈10'55 1° ≈02'46	1°24'06 1°24'42 25°55'15 0.57815 AU -4°34'13
minimum elong max. Earth dist.  evening rise desc. node  evening max el retrograde evening set min. Earth dist. inferior conj minimum elong morning rise direct	13135 Nov 26 07:40 13135 Nov 26 13:58 13135 Dec 02 16:40 13135 Dec 03 04:33 13135 Dec 16 14:49 13135 Dec 18 18:25 13136 Jan 02 16:55 13136 Jan 16 15:44 13136 Jan 23 09:59 13136 Jan 30 11:35 13136 Jan 30 18:30 13136 Feb 07 06:05 13136 Feb 09 07:35	15° ズ 58'03 16° ズ 33'19 0° 云 1° 云 03'27 26° 云 32'19 0° ≈ 19° ≈ 01'42 26° ≈ 13'43 24° ≈ 16'13 21° ≈ 36'01 19° ≈ 00'19 18° ≈ 46'11 14° ≈ 16'26 14° ≈ 00'10	1°34'54 1.31297 AU 26°59'56 0.59927 AU -3°14'11	superior conj minimum elong evening rise desc. node evening max el retrograde evening set min. Earth dist.	13136 Nov 09 20:16 13136 Nov 09 18:19 13136 Nov 09 12:10 13136 Nov 16 13:06 13136 Nov 23 15:14 13136 Dec 02 11:53 13136 Dec 14 07:06 13136 Dec 14 13:31 13136 Dec 28 11:36 13137 Jan 03 16:28 13137 Jan 08 02:22 13137 Jan 11 02:49 13137 Jan 11 11:32	0° ₹45'05 0° ₹34'15 0° ₹ 15° ₹32'56 0° ₹ 15° ₹12'47 0° ≈ 0° ≈15'19 7° ≈17'59 5° ≈47'39 3° ≈10'55 1° ≈02'46 0° ≈47'19	1°24'06 1°24'42 25°55'15 0.57815 AU -4°34'13
minimum elong max. Earth dist.  evening rise desc. node  evening max el retrograde evening set min. Earth dist. inferior conj minimum elong morning rise direct asc. node	13135 Nov 26 07:40 13135 Nov 26 13:58 13135 Dec 02 16:40 13135 Dec 03 04:33 13135 Dec 16 14:49 13135 Dec 18 18:25 13136 Jan 02 16:55 13136 Jan 23 09:59 13136 Jan 30 11:35 13136 Jan 30 18:30 13136 Feb 07 06:05 13136 Feb 09 07:35 13136 Feb 09 16:52	15° ズ 58'03 16° ズ 33'19 0° ℧ 1° ℧ 03'27 26° ℧ 32'19 0° ※ 19° ※01'42 26° ※13'43 24° ※16'13 21° ※36'01 19° ※00'19 18° ※46'11 14° ※16'26 14° ※00'10 14° ※00'46	1°34'54 1.31297 AU 26°59'56 0.59927 AU -3°14'11 3°10'57	superior conj minimum elong evening rise desc. node evening max el retrograde evening set min. Earth dist. inferior conj minimum elong	13136 Nov 09 20:16 13136 Nov 09 18:19 13136 Nov 09 12:10 13136 Nov 16 13:06 13136 Nov 23 15:14 13136 Dec 02 11:53 13136 Dec 14 07:06 13136 Dec 14 13:31 13136 Dec 28 11:36 13137 Jan 03 16:28 13137 Jan 08 02:22 13137 Jan 11 02:49 13137 Jan 11 11:32 13137 Jan 12 14:45	0° ₹45'05 0° ₹34'15 0° ₹ 15° ₹32'56 0° ₹ 15° ₹12'47 0° ≈ 0° ≈15'19 7° ≈17'59 5° ≈47'39 3° ≈10'55 1° ≈02'46 0° ≈47'19 30° ₹₹	1°24'06 1°24'42 25°55'15 0.57815 AU -4°34'13
minimum elong max. Earth dist.  evening rise desc. node  evening max el retrograde evening set min. Earth dist. inferior conj minimum elong morning rise direct	13135 Nov 26 07:40 13135 Nov 26 13:58 13135 Dec 02 16:40 13135 Dec 03 04:33 13135 Dec 16 14:49 13135 Dec 18 18:25 13136 Jan 02 16:55 13136 Jan 16 15:44 13136 Jan 23 09:59 13136 Jan 30 11:35 13136 Jan 30 18:30 13136 Feb 07 06:05 13136 Feb 09 07:35	15° ズ 58'03 16° ズ 33'19 0° ℧ 1° ℧ 03'27 26° ℧ 32'19 0° ≫ 19° ≫ 01'42 26° ≫ 13'43 24° ≫ 16'13 21° ≫ 36'01 19° ≫ 00'19 18° ≫ 46'11 14° ≫ 16'26 14° ≫ 00'10 14° ≫ 00'46 17° ≫ 43'46	1°34'54 1.31297 AU 26°59'56 0.59927 AU -3°14'11	superior conj minimum elong evening rise desc. node evening max el retrograde evening set min. Earth dist. inferior conj minimum elong	13136 Nov 09 20:16 13136 Nov 09 18:19 13136 Nov 09 12:10 13136 Nov 16 13:06 13136 Nov 23 15:14 13136 Dec 02 11:53 13136 Dec 14 07:06 13136 Dec 14 13:31 13136 Dec 28 11:36 13137 Jan 03 16:28 13137 Jan 08 02:22 13137 Jan 11 02:49 13137 Jan 11 11:32	0° ₹45'05 0° ₹34'15 0° ₹ 15° ₹32'56 0° ₹ 15° ₹12'47 0° ≈ 0° ≈15'19 7° ≈17'59 5° ≈47'39 3° ≈10'55 1° ≈02'46 0° ≈47'19 30° ₹₹ 26° ₹41'01	1°24'06 1°24'42 25°55'15 0.57815 AU -4°34'13
minimum elong max. Earth dist.  evening rise desc. node  evening max el retrograde evening set min. Earth dist. inferior conj minimum elong morning rise direct asc. node	13135 Nov 26 07:40 13135 Nov 26 13:58 13135 Dec 02 16:40 13135 Dec 03 04:33 13135 Dec 16 14:49 13135 Dec 18 18:25 13136 Jan 02 16:55 13136 Jan 23 09:59 13136 Jan 30 11:35 13136 Jan 30 18:30 13136 Feb 07 06:05 13136 Feb 09 07:35 13136 Feb 09 16:52	15° ズ 58'03 16° ズ 33'19 0° 云 1° 云 03'27 26° 云 32'19 0° ≈ 19° ≈ 01'42 26° ≈ 13'43 24° ≈ 16'13 21° ≈ 36'01 19° ≈ 00'19 18° ≈ 46'11 14° ≈ 16'26 14° ≈ 00'46 17° ≈ 43'46 0° 沃	1°34'54 1.31297 AU 26°59'56 0.59927 AU -3°14'11 3°10'57	superior conj minimum elong evening rise desc. node evening max el retrograde evening set min. Earth dist. inferior conj minimum elong	13136 Nov 09 20:16 13136 Nov 09 18:19 13136 Nov 09 12:10 13136 Nov 16 13:06 13136 Nov 23 15:14 13136 Dec 02 11:53 13136 Dec 14 07:06 13136 Dec 14 13:31 13136 Dec 28 11:36 13137 Jan 03 16:28 13137 Jan 08 02:22 13137 Jan 11 02:49 13137 Jan 11 11:32 13137 Jan 12 14:45	0° 🗗 45'05 0° 🗗 34'15 0° 🗗 15° 🗗 32'56 0° 云 15° 云 12'47 0° 念 0° 念 15'19 7° 念 17'59 5° 念 47'39 3° 念 10'55 1° 念 02'46 0° 念 47'19 30° R 云 26° 云 41'01 26° 云 27'02	1°24'06 1°24'42 25°55'15 0.57815 AU -4°34'13
minimum elong max. Earth dist.  evening rise desc. node  evening max el retrograde evening set min. Earth dist. inferior conj minimum elong morning rise direct asc. node	13135 Nov 26 07:40 13135 Nov 26 13:58 13135 Dec 02 16:40 13135 Dec 03 04:33 13135 Dec 16 14:49 13135 Dec 18 18:25 13136 Jan 02 16:55 13136 Jan 23 09:59 13136 Jan 27 07:09 13136 Jan 30 11:35 13136 Jan 30 18:30 13136 Feb 07 06:05 13136 Feb 09 07:35 13136 Feb 09 16:52 13136 Feb 16 19:14	15° ズ 58'03 16° ズ 33'19 0° 云 1° 云 03'27 26° 云 32'19 0° ≈ 19° ≈ 01'42 26° ≈ 13'43 24° ≈ 16'13 21° ≈ 36'01 19° ≈ 00'19 18° ≈ 46'11 14° ≈ 16'26 14° ≈ 00'46 17° ≈ 43'46 0° 沃 12° 沃 23'42	1°34'54 1.31297 AU 26°59'56 0.59927 AU -3°14'11 3°10'57	superior conj minimum elong evening rise desc. node evening max el retrograde evening set min. Earth dist. inferior conj minimum elong	13136 Nov 09 20:16 13136 Nov 09 18:19 13136 Nov 09 12:10 13136 Nov 16 13:06 13136 Nov 23 15:14 13136 Dec 02 11:53 13136 Dec 14 07:06 13136 Dec 28 11:36 13137 Jan 03 16:28 13137 Jan 03 16:28 13137 Jan 11 02:49 13137 Jan 11 11:32 13137 Jan 12 14:45 13137 Jan 19 09:25	0° 🗗 45'05 0° 🗗 34'15 0° 🗗 15° 🗗 32'56 0° 云 15° 云 12'47 0° 念 0° 念 15'19 7° 念 17'59 5° 念 47'39 3° 念 10'55 1° 念 02'46 0° 念 47'19 30° R 云 26° 云 41'01 26° 云 27'02 27° 云 55'29	1°24'06 1°24'42 25°55'15 0.57815 AU -4°34'13
minimum elong max. Earth dist.  evening rise desc. node  evening max el retrograde evening set min. Earth dist. inferior conj minimum elong morning rise direct asc. node morning max el	13135 Nov 26 07:40 13135 Nov 26 13:58 13135 Dec 02 16:40 13135 Dec 03 04:33 13135 Dec 16 14:49 13135 Dec 18 18:25 13136 Jan 02 16:55 13136 Jan 23 09:59 13136 Jan 27 07:09 13136 Jan 30 11:35 13136 Feb 07 06:05 13136 Feb 09 07:35 13136 Feb 09 16:52 13136 Feb 16 19:14 13136 Feb 25 13:27	15° ズ 58'03 16° ズ 33'19 0° 云 1° 云 03'27 26° 云 32'19 0° ≈ 19° ≈ 01'42 26° ≈ 13'43 24° ≈ 16'13 21° ≈ 36'01 19° ≈ 00'19 18° ≈ 46'11 14° ≈ 16'26 14° ≈ 00'46 17° ≈ 43'46 0° 沃	1°34'54 1.31297 AU 26°59'56 0.59927 AU -3°14'11 3°10'57	superior conj minimum elong evening rise desc. node evening max el retrograde evening set min. Earth dist. inferior conj minimum elong morning rise direct	13136 Nov 09 20:16 13136 Nov 09 18:19 13136 Nov 09 12:10 13136 Nov 16 13:06 13136 Nov 23 15:14 13136 Dec 02 11:53 13136 Dec 14 07:06 13136 Dec 28 11:36 13137 Jan 03 16:28 13137 Jan 03 16:28 13137 Jan 11 02:49 13137 Jan 11 11:32 13137 Jan 12 14:45 13137 Jan 19 09:25 13137 Jan 21 11:44	0° 🗗 45'05 0° 🗗 34'15 0° 🗗 15° 🗗 32'56 0° 云 15° 云 12'47 0° 念 0° 念 15'19 7° 念 17'59 5° 念 47'39 3° 念 10'55 1° 念 02'46 0° 念 47'19 30° R 云 26° 云 41'01 26° 云 27'02	1°24'06 1°24'42 25°55'15 0.57815 AU -4°34'13
minimum elong max. Earth dist.  evening rise desc. node  evening max el retrograde evening set min. Earth dist. inferior conj minimum elong morning rise direct asc. node morning max el	13135 Nov 26 07:40 13135 Nov 26 13:58 13135 Dec 02 16:40 13135 Dec 03 04:33 13135 Dec 16 14:49 13135 Dec 18 18:25 13136 Jan 02 16:55 13136 Jan 23 09:59 13136 Jan 27 07:09 13136 Jan 30 11:35 13136 Feb 07 06:05 13136 Feb 09 07:35 13136 Feb 09 16:52 13136 Feb 16 19:14 13136 Feb 25 13:27 13136 Mar 03 09:36	15° ズ 58'03 16° ズ 33'19 0° 云 1° 云 03'27 26° 云 32'19 0° ≈ 19° ≈ 01'42 26° ≈ 13'43 24° ≈ 16'13 21° ≈ 36'01 19° ≈ 00'19 18° ≈ 46'11 14° ≈ 16'26 14° ≈ 00'46 17° ≈ 43'46 0° 沃 12° 沃 23'42	1°34'54 1.31297 AU 26°59'56 0.59927 AU -3°14'11 3°10'57	superior conj minimum elong evening rise desc. node evening max el retrograde evening set min. Earth dist. inferior conj minimum elong morning rise direct	13136 Nov 09 20:16 13136 Nov 09 18:19 13136 Nov 09 12:10 13136 Nov 16 13:06 13136 Nov 23 15:14 13136 Dec 02 11:53 13136 Dec 14 07:06 13136 Dec 14 13:31 13136 Dec 28 11:36 13137 Jan 03 16:28 13137 Jan 08 02:22 13137 Jan 11 02:49 13137 Jan 11 11:32 13137 Jan 12 14:45 13137 Jan 19 09:25 13137 Jan 21 11:44 13137 Jan 26 14:11	0° 🗷 45'05 0° 🗷 34'15 0° 🗷 15° 🗷 32'56 0° 云 15° ♂ 12'47 0° ≈ 0° ≈ 15'19 7° ≈ 17'59 5° ≈ 47'39 3° ≈ 10'55 1° ≈ 02'46 0° ≈ 47'19 30° R づ 26° ♂ 41'01 26° ♂ 27'02 27° ♂ 55'29	1°24'06 1°24'42 25°55'15 0.57815 AU -4°34'13
minimum elong max. Earth dist.  evening rise desc. node  evening max el retrograde evening set min. Earth dist. inferior conj minimum elong morning rise direct asc. node morning max el	13135 Nov 26 07:40 13135 Nov 26 13:58 13135 Dec 02 16:40 13135 Dec 03 04:33 13135 Dec 16 14:49 13135 Dec 18 18:25 13136 Jan 02 16:55 13136 Jan 23 09:59 13136 Jan 27 07:09 13136 Jan 30 11:35 13136 Feb 07 06:05 13136 Feb 09 07:35 13136 Feb 09 16:52 13136 Feb 16 19:14 13136 Feb 25 13:27 13136 Mar 03 09:36	15° ズ 58'03 16° ズ 33'19 0° 云 1° 云 03'27 26° 云 32'19 0° ≈ 19° ≈ 01'42 26° ≈ 13'43 24° ≈ 16'13 21° ≈ 36'01 19° ≈ 00'19 18° ≈ 46'11 14° ≈ 16'26 14° ≈ 00'46 17° ≈ 43'46 0° 沃 12° 沃 23'42	1°34'54 1.31297 AU 26°59'56 0.59927 AU -3°14'11 3°10'57	superior conj minimum elong evening rise desc. node evening max el retrograde evening set min. Earth dist. inferior conj minimum elong morning rise direct asc. node	13136 Nov 09 20:16 13136 Nov 09 18:19 13136 Nov 09 12:10 13136 Nov 16 13:06 13136 Nov 23 15:14 13136 Dec 02 11:53 13136 Dec 14 07:06 13136 Dec 14 13:31 13136 Dec 28 11:36 13137 Jan 03 16:28 13137 Jan 08 02:22 13137 Jan 11 02:49 13137 Jan 11 11:32 13137 Jan 12 14:45 13137 Jan 19 09:25 13137 Jan 21 11:44 13137 Jan 26 14:11 13137 Jan 29 09:16	0° ₹45'05 0° ₹34'15 0° ₹ 15° ₹32'56 0° ₹ 15° ₹12'47 0° ≈ 0° ≈15'19 7° ≈17'59 5° ≈47'39 3° ≈10'55 1° ≈02'46 0° ≈47'19 30° ₹ 26° ₹41'01 26° ₹27'02 27° ₹55'29 0° ≈	1°24'06 1°24'42 25°55'15 0.57815 AU -4°34'13 4°30'55
minimum elong max. Earth dist.  evening rise desc. node  evening max el retrograde evening set min. Earth dist. inferior conj minimum elong morning rise direct asc. node morning max el morning set	13135 Nov 26 07:40 13135 Nov 26 13:58 13135 Dec 02 16:40 13135 Dec 03 04:33 13135 Dec 16 14:49 13135 Dec 18 18:25 13136 Jan 02 16:55 13136 Jan 23 09:59 13136 Jan 27 07:09 13136 Jan 30 11:35 13136 Jan 30 18:30 13136 Feb 07 06:05 13136 Feb 09 07:35 13136 Feb 09 16:52 13136 Feb 16 19:14 13136 Feb 25 13:27 13136 Mar 03 09:36 13136 Mar 12 23:48	15° ₹58'03 16° ₹33'19 0° ₹ 1° ₹03'27 26° ₹32'19 0° ≈ 19° ≈01'42 26° ≈13'43 24° ≈16'13 21° ≈36'01 19° ≈00'19 18° ≈46'11 14° ≈16'26 14° ≈00'46 17° ≈43'46 0° ₩ 12° ₩23'42 0° Υ	1°34'54 1.31297 AU 26°59'56 0.59927 AU -3°14'11 3°10'57	superior conj minimum elong evening rise desc. node evening max el retrograde evening set min. Earth dist. inferior conj minimum elong morning rise direct asc. node	13136 Nov 09 20:16 13136 Nov 09 18:19 13136 Nov 09 12:10 13136 Nov 16 13:06 13136 Nov 23 15:14 13136 Dec 02 11:53 13136 Dec 14 07:06 13136 Dec 14 13:31 13136 Dec 28 11:36 13137 Jan 03 16:28 13137 Jan 08 02:22 13137 Jan 11 02:49 13137 Jan 11 11:32 13137 Jan 12 14:45 13137 Jan 19 09:25 13137 Jan 21 11:44 13137 Jan 26 14:11 13137 Jan 29 09:16 13137 Jan 30 01:47	0° ₹45'05 0° ₹34'15 0° ₹ 15° ₹32'56 0° ₹ 15° ₹12'47 0° ≈ 0° ≈15'19 7° ≈17'59 5° ≈47'39 3° ≈10'55 1° ≈02'46 0° ≈47'19 30° ₹ 26° ₹341'01 26° ₹27'02 27° ₹55'29 0° ≈ 0° ≈38'41	1°24'06 1°24'42 25°55'15 0.57815 AU -4°34'13 4°30'55
minimum elong max. Earth dist.  evening rise desc. node  evening max el retrograde evening set min. Earth dist. inferior conj minimum elong morning rise direct asc. node morning max el morning set	13135 Nov 26 07:40 13135 Nov 26 13:58 13135 Dec 02 16:40 13135 Dec 03 04:33 13135 Dec 16 14:49 13135 Dec 18 18:25 13136 Jan 02 16:55 13136 Jan 23 09:59 13136 Jan 30 11:35 13136 Jan 30 11:35 13136 Jan 30 18:30 13136 Feb 07 06:05 13136 Feb 09 07:35 13136 Feb 09 16:52 13136 Feb 16 19:14 13136 Feb 25 13:27 13136 Mar 03 09:36 13136 Mar 13 06:57 13136 Mar 13 06:57 13136 Mar 13 06:57	15° \$\times 58'03 16° \$\times 33'19 0° \$\times 1° \$\times 03'27 26° \$\times 32'19 0° \$\times 19° \$\times 01'42 26° \$\times 13'43 24° \$\times 16'13 21° \$\times 36'01 19° \$\times 00'19 18° \$\times 46'11 14° \$\times 16'26 14° \$\times 00'46 17° \$\times 43'46 0° \$\times 12° \$\times 23'42 0° \$\times 10'\$ \$\times 15'1	1°34'54 1.31297 AU 26°59'56 0.59927 AU -3°14'11 3°10'57 18°05'20	superior conj minimum elong evening rise desc. node evening max el retrograde evening set min. Earth dist. inferior conj minimum elong morning rise direct asc. node	13136 Nov 09 20:16 13136 Nov 09 18:19 13136 Nov 09 12:10 13136 Nov 16 13:06 13136 Nov 23 15:14 13136 Dec 02 11:53 13136 Dec 14 07:06 13136 Dec 14 13:31 13136 Dec 28 11:36 13137 Jan 03 16:28 13137 Jan 10 02:49 13137 Jan 11 11:32 13137 Jan 12 14:45 13137 Jan 19 09:25 13137 Jan 21 11:44 13137 Jan 26 14:11 13137 Jan 29 09:16 13137 Jan 30 01:47 13137 Feb 15 05:47	0° ₹45'05 0° ₹34'15 0° ₹ 15° ₹32'56 0° ₹ 15° ₹12'47 0° ≈ 0° ≈15'19 7° ≈17'59 5° ≈47'39 3° ≈10'55 1° ≈02'46 0° ≈47'19 30° ₹ 26° ₹341'01 26° ₹327'02 27° ₹55'29 0° ≈ 0° ≈38'41 26° ≈36'45	1°24'06 1°24'42 25°55'15 0.57815 AU -4°34'13 4°30'55
minimum elong max. Earth dist.  evening rise desc. node  evening max el retrograde evening set min. Earth dist. inferior conj minimum elong morning rise direct asc. node morning max el  morning set	13135 Nov 26 07:40 13135 Nov 26 13:58 13135 Dec 02 16:40 13135 Dec 03 04:33 13135 Dec 16 14:49 13135 Dec 18 18:25 13136 Jan 02 16:55 13136 Jan 23 09:59 13136 Jan 30 11:35 13136 Jan 30 18:30 13136 Feb 07 06:05 13136 Feb 09 07:35 13136 Feb 16 19:14 13136 Feb 25 13:27 13136 Mar 13 09:36 13136 Mar 13 06:57 13136 Mar 13 06:57 13136 Mar 13 07:12 13136 Mar 12 23:34	15° \$\times 58'03 16° \$\times 33'19 0° \$\times 1° \$\times 03'27 26° \$\times 32'19 0° \$\times 19° \$\times 01'42 26° \$\times 13'43 24° \$\times 16'13 21° \$\times 36'01 19° \$\times 00'19 18° \$\times 46'11 14° \$\times 16'26 14° \$\times 00'46 17° \$\times 43'46 0° \$\times 12° \$\times 23'42 0° \$\times 10° \$\times 32'58 29° \$\times 58'58	1°34'54 1.31297 AU 26°59'56 0.59927 AU -3°14'11 3°10'57 18°05'20	superior conj minimum elong evening rise desc. node evening max el retrograde evening set min. Earth dist. inferior conj minimum elong morning rise direct asc. node morning max el morning set	13136 Nov 09 20:16 13136 Nov 09 18:19 13136 Nov 09 12:10 13136 Nov 16 13:06 13136 Nov 23 15:14 13136 Dec 02 11:53 13136 Dec 14 07:06 13136 Dec 14 13:31 13136 Dec 28 11:36 13137 Jan 03 16:28 13137 Jan 03 16:28 13137 Jan 11 02:49 13137 Jan 11 11:32 13137 Jan 12 14:45 13137 Jan 19 09:25 13137 Jan 21 11:44 13137 Jan 26 14:11 13137 Jan 29 09:16 13137 Jan 30 01:47 13137 Feb 15 05:47 13137 Feb 16 23:30	0° ₹45'05 0° ₹34'15 0° ₹ 15° ₹32'56 0° ₹ 15° ₹12'47 0° ≈ 0° ≈15'19 7° ≈17'59 5° ≈47'39 3° ≈10'55 1° ≈02'46 0° ≈47'19 30° ₹₹ 26° ₹41'01 26° ₹27'02 27° ₹55'29 0° ≈ 0° ≈38'41 26° ≈36'45 0° ¥	1°24'06 1°24'42 25°55'15 0.57815 AU -4°34'13 4°30'55
minimum elong max. Earth dist.  evening rise desc. node  evening max el retrograde evening set min. Earth dist. inferior conj minimum elong morning rise direct asc. node morning max el  morning set	13135 Nov 26 07:40 13135 Nov 26 13:58 13135 Dec 02 16:40 13135 Dec 03 04:33 13135 Dec 16 14:49 13135 Dec 18 18:25 13136 Jan 02 16:55 13136 Jan 23 09:59 13136 Jan 30 11:35 13136 Jan 30 18:30 13136 Feb 07 06:05 13136 Feb 09 07:35 13136 Feb 16 19:14 13136 Feb 25 13:27 13136 Mar 13 09:36 13136 Mar 13 06:57 13136 Mar 13 07:12 13136 Mar 12 23:34 13136 Mar 12 23:34	15° \$\times 58'03 16° \$\times 33'19 0° \$\times 1° \$\times 03'27 26° \$\times 32'19 0° \$\times 19° \$\times 01'42 26° \$\times 13'43 24° \$\times 16'13 21° \$\times 36'01 19° \$\times 00'19 18° \$\times 46'11 14° \$\times 16'26 14° \$\times 00'46 17° \$\times 43'46 0° \$\times 12° \$\times 23'42 0° \$\times 10' \$\times 158'58 10 \$\times 158'58 1° \$\times 16'52	1°34'54 1.31297 AU 26°59'56 0.59927 AU -3°14'11 3°10'57 18°05'20	superior conj minimum elong evening rise  desc. node evening max el retrograde evening set min. Earth dist. inferior conj minimum elong  morning rise direct asc. node  morning max el morning set	13136 Nov 09 20:16 13136 Nov 09 18:19 13136 Nov 09 12:10 13136 Nov 16 13:06 13136 Nov 23 15:14 13136 Dec 02 11:53 13136 Dec 14 07:06 13136 Dec 14 13:31 13136 Dec 28 11:36 13137 Jan 03 16:28 13137 Jan 03 16:28 13137 Jan 11 02:49 13137 Jan 11 11:32 13137 Jan 12 14:45 13137 Jan 19 09:25 13137 Jan 21 11:44 13137 Jan 26 14:11 13137 Jan 29 09:16 13137 Jan 30 01:47 13137 Feb 15 05:47 13137 Feb 16 23:30	0° ₹45'05 0° ₹34'15 0° ₹ 15° ₹32'56 0° ₹ 15° ₹12'47 0° ≈ 0° ≈15'19 7° ≈17'59 5° ≈47'39 3° ≈10'55 1° ≈02'46 0° ≈47'19 30° ₹₹ 26° ₹41'01 26° ₹27'02 27° ₹55'29 0° ≈ 0° ≈38'41 26° ≈36'45 0° ¥	1°24'06 1°24'42 25°55'15 0.57815 AU -4°34'13 4°30'55
minimum elong max. Earth dist.  evening rise desc. node  evening max el retrograde evening set min. Earth dist. inferior conj minimum elong morning rise direct asc. node morning max el  morning set	13135 Nov 26 07:40 13135 Nov 26 13:58 13135 Dec 02 16:40 13135 Dec 03 04:33 13135 Dec 16 14:49 13135 Dec 18 18:25 13136 Jan 02 16:55 13136 Jan 23 09:59 13136 Jan 30 11:35 13136 Jan 30 18:30 13136 Feb 07 06:05 13136 Feb 09 07:35 13136 Feb 09 16:52 13136 Feb 16 19:14 13136 Feb 25 13:27 13136 Mar 03 09:36 13136 Mar 13 06:57 13136 Mar 13 06:57 13136 Mar 13 07:12 13136 Mar 13 14:50 13136 Mar 13 14:50 13136 Mar 13 16:07	15° \$\times 58'03 16° \$\times 33'19 0° \$\times 1° \$\times 03'27 26° \$\times 32'19 0° \$\times 19° \$\times 01'42 26° \$\times 13'43 24° \$\times 16'13 21° \$\times 36'01 19° \$\times 00'19 18° \$\times 46'11 14° \$\times 16'26 14° \$\times 00'46 17° \$\times 43'46 0° \$\times 12° \$\times 23'42 0° \$\times 12' \$\times 58'58 29° \$\times 58'58 1° \$\times 06'52 1° \$\times 12'33	1°34'54 1.31297 AU 26°59'56 0.59927 AU -3°14'11 3°10'57 18°05'20 0°03'03 0°03'03	superior conj minimum elong evening rise  desc. node evening max el retrograde evening set min. Earth dist. inferior conj minimum elong  morning rise direct asc. node  morning max el morning set	13136 Nov 09 20:16 13136 Nov 09 18:19 13136 Nov 09 12:10 13136 Nov 16 13:06 13136 Nov 23 15:14 13136 Dec 02 11:53 13136 Dec 14 07:06 13136 Dec 14 13:31 13136 Dec 28 11:36 13137 Jan 03 16:28 13137 Jan 03 16:28 13137 Jan 11 02:49 13137 Jan 11 11:32 13137 Jan 12 14:45 13137 Jan 19 09:25 13137 Jan 21 11:44 13137 Jan 26 14:11 13137 Jan 29 09:16 13137 Jan 30 01:47 13137 Feb 15 05:47 13137 Feb 16 23:30	0° ₹45'05 0° ₹34'15 0° ₹ 15° ₹32'56 0° ₹ 15° ₹12'47 0° ≈ 0° ≈15'19 7° ≈17'59 5° ≈47'39 3° ≈10'55 1° ≈02'46 0° ≈47'19 30° ₹ 26° ₹41'01 26° ₹27'02 27° ₹55'29 0° ≈ 0° ≈38'41 26° ≈36'45 0° ¥	1°24'06 1°24'42 25°55'15 0.57815 AU -4°34'13 4°30'55
minimum elong max. Earth dist.  evening rise desc. node  evening max el retrograde evening set min. Earth dist. inferior conj minimum elong morning rise direct asc. node morning max el  morning set  superior conj minimum elong behind sun begin behind sun end desc. node max. Earth dist.	13135 Nov 26 07:40 13135 Nov 26 13:58 13135 Dec 02 16:40 13135 Dec 03 04:33 13135 Dec 16 14:49 13135 Dec 18 18:25 13136 Jan 02 16:55 13136 Jan 16 15:44 13136 Jan 27 07:09 13136 Jan 30 11:35 13136 Jan 30 18:30 13136 Feb 07 06:05 13136 Feb 09 07:35 13136 Feb 09 16:52 13136 Feb 16 19:14 13136 Feb 25 13:27 13136 Mar 03 09:36 13136 Mar 12 23:48 13136 Mar 13 06:57 13136 Mar 13 07:12 13136 Mar 13 14:50 13136 Mar 13 16:07 13136 Mar 13 16:07 13136 Mar 20 21:56	15° \$\times 58'03 16° \$\times 33'19 0° \$\times 103'27 26° \$\times 32'19 0° \$\times 19° \$\times 01'42 26° \$\times 13'43 24° \$\times 16'13 21° \$\times 36'01 19° \$\times 00'19 18° \$\times 46'11 14° \$\times 16'26 14° \$\times 00'46 17° \$\times 43'46 0° \$\times 12° \$\times 23'42 0° \$\times 12'\$ \$\times 58'58 10° \$\times 13'3\$ \$\times 12'33 13° \$\times 11'99	1°34'54 1.31297 AU 26°59'56 0.59927 AU -3°14'11 3°10'57 18°05'20	superior conj minimum elong evening rise  desc. node evening max el retrograde evening set min. Earth dist. inferior conj minimum elong  morning rise direct asc. node  morning max el morning set	13136 Nov 09 20:16 13136 Nov 09 18:19 13136 Nov 09 12:10 13136 Nov 16 13:06 13136 Nov 23 15:14 13136 Dec 02 11:53 13136 Dec 14 07:06 13136 Dec 14 13:31 13136 Dec 28 11:36 13137 Jan 03 16:28 13137 Jan 03 16:28 13137 Jan 11 02:49 13137 Jan 11 11:32 13137 Jan 12 14:45 13137 Jan 19 09:25 13137 Jan 21 11:44 13137 Jan 26 14:11 13137 Jan 29 09:16 13137 Jan 30 01:47 13137 Feb 15 05:47 13137 Feb 16 23:30 13137 Feb 23 23:24 13137 Feb 24 01:39 13137 Feb 28 12:39	0° ₹45'05 0° ₹34'15 0° ₹ 15° ₹32'56 0° ₹ 15° ₹12'47 0° ≈ 0° ≈15'19 7° ≈17'59 5° ≈47'39 3° ≈10'55 1° ≈02'46 0° ≈47'19 30° ₹₹ 26° ₹341'01 26° ₹327'02 27° ₹55'29 0° ≈ 0° ≈38'41 26° ≈36'45 0° ¥	1°24'06 1°24'42 25°55'15 0.57815 AU -4°34'13 4°30'55 18°43'12 0°36'02 0°36'02
minimum elong max. Earth dist.  evening rise desc. node  evening max el retrograde evening set min. Earth dist. inferior conj minimum elong morning rise direct asc. node morning max el  morning set	13135 Nov 26 07:40 13135 Nov 26 13:58 13135 Dec 02 16:40 13135 Dec 03 04:33 13135 Dec 16 14:49 13135 Dec 18 18:25 13136 Jan 02 16:55 13136 Jan 23 09:59 13136 Jan 30 11:35 13136 Jan 30 11:35 13136 Feb 07 06:05 13136 Feb 09 07:35 13136 Feb 09 16:52 13136 Feb 16 19:14 13136 Feb 25 13:27 13136 Mar 03 09:36 13136 Mar 12 23:48 13136 Mar 13 06:57 13136 Mar 13 07:12 13136 Mar 13 16:07 13136 Mar 13 16:07 13136 Mar 20 21:56 13136 Mar 20 21:56	15° \$\times 58'03 16° \$\times 33'19 0° \$\times 103'27 26° \$\times 32'19 0° \$\times 19° \$\times 01'42 26° \$\times 13'43 24° \$\times 16'13 21° \$\times 36'01 19° \$\times 00'19 18° \$\times 46'11 14° \$\times 16'26 14° \$\times 00'46 17° \$\times 43'46 0° \$\times 12° \$\times 23'42 0° \$\times 120' \$\times 58'58 10° \$\times 29° \$\times 58'58 10° \$\times 12'33 13° \$\times 14'09 22° \$\times 13'27	1°34'54 1.31297 AU 26°59'56 0.59927 AU -3°14'11 3°10'57 18°05'20 0°03'03 0°03'03	superior conj minimum elong evening rise  desc. node evening max el retrograde evening set min. Earth dist. inferior conj minimum elong  morning rise direct asc. node  morning max el morning set	13136 Nov 09 20:16 13136 Nov 09 18:19 13136 Nov 09 12:10 13136 Nov 16 13:06 13136 Nov 23 15:14 13136 Dec 02 11:53 13136 Dec 14 07:06 13136 Dec 14 13:31 13136 Dec 28 11:36 13137 Jan 03 16:28 13137 Jan 08 02:22 13137 Jan 11 02:49 13137 Jan 12 14:45 13137 Jan 19 09:25 13137 Jan 21 11:44 13137 Jan 26 14:11 13137 Jan 29 09:16 13137 Jan 30 01:47 13137 Feb 15 05:47 13137 Feb 16 23:30  13137 Feb 23 23:24 13137 Feb 24 01:39 13137 Feb 28 12:39 13137 Mar 03 05:23	0° ₹45'05 0° ₹34'15 0° ₹ 15° ₹32'56 0° ₹ 15° ₹12'47 0° ≈ 0° ≈15'19 7° ≈17'59 5° ≈47'39 3° ≈10'55 1° ≈02'46 0° ≈47'19 30° ₹₹ 26° ₹341'01 26° ₹327'02 27° ₹55'29 0° ≈ 0° ≈38'41 26° ≈36'45 0° ¥ 13° ¥27'07 13° ¥37'41 21° ¥49'41 26° ¥37'07	1°24'06 1°24'42 25°55'15 0.57815 AU -4°34'13 4°30'55
minimum elong max. Earth dist.  evening rise desc. node  evening max el retrograde evening set min. Earth dist. inferior conj minimum elong morning rise direct asc. node morning max el  morning set  superior conj minimum elong behind sun begin behind sun end desc. node max. Earth dist.	13135 Nov 26 07:40 13135 Nov 26 13:58 13135 Dec 02 16:40 13135 Dec 03 04:33 13135 Dec 16 14:49 13135 Dec 18 18:25 13136 Jan 02 16:55 13136 Jan 23 09:59 13136 Jan 30 11:35 13136 Jan 30 11:35 13136 Feb 07 06:05 13136 Feb 09 07:35 13136 Feb 09 16:52 13136 Feb 16 19:14 13136 Feb 25 13:27 13136 Mar 03 09:36 13136 Mar 12 23:48 13136 Mar 13 06:57 13136 Mar 13 07:12 13136 Mar 13 14:50 13136 Mar 13 16:07 13136 Mar 20 21:56 13136 Mar 26 02:58 13136 Mar 26 02:58 13136 Mar 31 01:15	15° \$\times 58'03 16° \$\times 33'19 0° \$\times 103'27 26° \$\times 32'19 0° \$\times 19° \$\times 01'42 26° \$\times 13'43 24° \$\times 16'13 21° \$\times 36'01 19° \$\times 00'19 18° \$\times 46'11 14° \$\times 16'26 14° \$\times 00'46 17° \$\times 43'46 0° \$\times 12° \$\times 23'42 0° \$\times 120' \$\times 58'58 10° \$\times 23'58 29° \$\times 58'58 10° \$\times 12'33 130° \$\times 14'09 220° \$\times 13'27 0° \$\times 13'3'19'19'19'19'19'19'19'19'19'19'19'19'19'	1°34'54 1.31297 AU 26°59'56 0.59927 AU -3°14'11 3°10'57 18°05'20 0°03'03 0°03'03	superior conj minimum elong evening rise  desc. node evening max el retrograde evening set min. Earth dist. inferior conj minimum elong  morning rise direct asc. node  morning max el morning set	13136 Nov 09 20:16 13136 Nov 09 18:19 13136 Nov 09 12:10 13136 Nov 16 13:06 13136 Nov 23 15:14 13136 Dec 02 11:53 13136 Dec 14 07:06 13136 Dec 14 13:31 13136 Dec 28 11:36 13137 Jan 03 16:28 13137 Jan 08 02:22 13137 Jan 11 02:49 13137 Jan 12 14:45 13137 Jan 19 09:25 13137 Jan 21 11:44 13137 Jan 26 14:11 13137 Jan 29 09:16 13137 Jan 30 01:47 13137 Feb 15 05:47 13137 Feb 16 23:30 13137 Feb 23 23:24 13137 Feb 24 01:39 13137 Feb 28 12:39 13137 Mar 03 05:23 13137 Mar 03 05:23 13137 Mar 05 04:08	0° ₹45'05 0° ₹34'15 0° ₹ 15° ₹32'56 0° ₹ 15° ₹32'56 0° ₹ 15° ₹12'47 0° ≈ 0° ≈15'19 7° ≈17'59 5° ≈47'39 3° ≈10'55 1° ≈02'46 0° ≈47'19 30° ₹₹ 26° ₹41'01 26° ₹27'02 27° ₹55'29 0° ≈ 0° ≈38'41 26° ≈36'45 0° ₹ 13° ¥27'07 13° ¥37'41 21° ¥49'41 26° ¥37'07 0° ♀	1°24'06 1°24'42 25°55'15 0.57815 AU -4°34'13 4°30'55 18°43'12 0°36'02 0°36'02
minimum elong max. Earth dist.  evening rise desc. node  evening max el retrograde evening set min. Earth dist. inferior conj minimum elong morning rise direct asc. node morning max el  superior conj minimum elong behind sun begin behind sun end desc. node max. Earth dist. evening rise	13135 Nov 26 07:40 13135 Nov 26 13:58 13135 Dec 02 16:40 13135 Dec 03 04:33 13135 Dec 16 14:49 13135 Dec 18 18:25 13136 Jan 02 16:55 13136 Jan 16 15:44 13136 Jan 23 09:59 13136 Jan 30 11:35 13136 Feb 07 06:05 13136 Feb 07 06:05 13136 Feb 09 16:52 13136 Feb 09 16:52 13136 Feb 16 19:14 13136 Feb 25 13:27 13136 Mar 13 09:36 13136 Mar 13 06:57 13136 Mar 13 06:57 13136 Mar 13 14:50 13136 Mar 13 14:50 13136 Mar 20 21:56 13136 Mar 26 02:58 13136 Mar 31 01:15 13136 Mar 31 01:15	15° \$\times 58'03 16° \$\times 33'19 0° \$\times 103'27 26° \$\times 32'19 0° \$\times 19° \$\times 01'42 26° \$\times 13'43 24° \$\times 16'13 21° \$\times 36'01 19° \$\times 00'19 18° \$\times 46'11 14° \$\times 16'26 14° \$\times 00'46 17° \$\times 43'46 0° \$\times 120' \$\times 23'42 0° \$\times 120' \$\times 23'42 0° \$\times 120' \$\times 58'58 1° \$\times 0'52 1° \$\times 12'33 13° \$\times 14'09 22° \$\times 13'27 0° \$\times 0° \$\times 1	1°34'54 1.31297 AU 26°59'56 0.59927 AU -3°14'11 3°10'57 18°05'20 0°03'03 0°03'06	superior conj minimum elong evening rise  desc. node evening max el retrograde evening set min. Earth dist. inferior conj minimum elong  morning rise direct asc. node  morning max el morning set	13136 Nov 09 20:16 13136 Nov 09 18:19 13136 Nov 09 12:10 13136 Nov 16 13:06 13136 Nov 23 15:14 13136 Dec 02 11:53 13136 Dec 14 07:06 13136 Dec 14 13:31 13136 Dec 28 11:36 13137 Jan 03 16:28 13137 Jan 11 02:49 13137 Jan 11 11:32 13137 Jan 12 14:45 13137 Jan 19 09:25 13137 Jan 21 11:44 13137 Jan 26 14:11 13137 Jan 29 09:16 13137 Jan 30 01:47 13137 Feb 15 05:47 13137 Feb 16 23:30 13137 Feb 24 01:39 13137 Feb 28 12:39 13137 Mar 03 05:23 13137 Mar 05 04:08 13137 Mar 05 04:08 13137 Mar 07 05:41	0° 🗷 45'05 0° 🗷 34'15 0° 🗷 15° 🗷 32'56 0° 🛪 15° 🗷 12'47 0° 🕿 0° ※15'19 7° ※17'59 5° ※47'39 3° ※10'55 1° ※02'46 0° ※47'19 30° R 🛪 26° 🛪 41'01 26° 🛪 27'02 27° ♂ 555'29 0° ※ 0° ※38'41 26° ※36'45 0° ※ 13° ※27'07 13° ※37'41 21° ※49'41 26° ※37'07 0° ♀ 3° ♀ 30'44	1°24'06 1°24'42 25°55'15 0.57815 AU -4°34'13 4°30'55 18°43'12 0°36'02 0°36'02
minimum elong max. Earth dist.  evening rise desc. node  evening max el retrograde evening set min. Earth dist. inferior conj minimum elong morning rise direct asc. node morning max el  morning set  superior conj minimum elong behind sun begin behind sun end desc. node max. Earth dist. evening rise  evening max el	13135 Nov 26 07:40 13135 Nov 26 13:58 13135 Dec 02 16:40 13135 Dec 03 04:33 13135 Dec 16 14:49 13135 Dec 18 18:25 13136 Jan 02 16:55 13136 Jan 16 15:44 13136 Jan 23 09:59 13136 Jan 30 11:35 13136 Jan 30 18:30 13136 Feb 07 06:05 13136 Feb 09 07:35 13136 Feb 09 16:52 13136 Feb 16 19:14 13136 Feb 25 13:27 13136 Mar 03 09:36 13136 Mar 13 06:57 13136 Mar 13 06:57 13136 Mar 13 07:12 13136 Mar 13 14:50 13136 Mar 20 21:56 13136 Mar 20 21:56 13136 Mar 20 21:56 13136 Mar 31 01:15 13136 Apr 21 01:00 13136 Apr 28 12:47	15° \$\times 58'03 16° \$\times 33'19 0° \$\times 10' \$\times 03'27 26° \$\times 32'19 0° \$\times 19° \$\times 01'42 26° \$\times 13'43 24° \$\times 16'13 21° \$\times 36'01 19° \$\times 00'19 18° \$\times 46'11 14° \$\times 00'46 17° \$\times 43'46 0° \$\times 120' \$\times 23'42 0° \$\times 120' \$\times 32'58 29° \$\times 58'58 1° \$\times 0'32'58 29° \$\times 58'58 1° \$\times 10'32'7 0° \$\times 0'\$\times 13'27 0° \$\times 0'\$\times 13'03	1°34'54 1.31297 AU 26°59'56 0.59927 AU -3°14'11 3°10'57 18°05'20 0°03'03 0°03'06	superior conj minimum elong evening rise  desc. node evening max el retrograde evening set min. Earth dist. inferior conj minimum elong  morning rise direct asc. node  morning max el morning set  superior conj minimum elong desc. node max. Earth dist. evening rise	13136 Nov 09 20:16 13136 Nov 09 18:19 13136 Nov 09 12:10 13136 Nov 16 13:06 13136 Nov 23 15:14 13136 Dec 02 11:53 13136 Dec 14 07:06 13136 Dec 14 13:31 13136 Dec 28 11:36 13137 Jan 03 16:28 13137 Jan 10 02:49 13137 Jan 11 11:32 13137 Jan 12 14:45 13137 Jan 19 09:25 13137 Jan 21 11:44 13137 Jan 26 14:11 13137 Jan 29 09:16 13137 Jan 30 01:47 13137 Feb 15 05:47 13137 Feb 16 23:30 13137 Feb 24 01:39 13137 Feb 24 01:39 13137 Feb 28 12:39 13137 Mar 03 05:23 13137 Mar 05 04:08 13137 Mar 07 05:41 13137 Mar 07 05:41 13137 Mar 07 05:41	0° 🗷 45'05 0° 🗷 34'15 0° 🗷 15° 🗷 32'56 0° 🛪 15° 🗷 32'56 0° 🛪 15° 🛪 12'47 0° 🕿 0° ※15'19 7° ※17'59 5° ※47'39 3° ※10'55 1° ※02'46 0° ※47'19 30° 🥫 📆 26° 📆 41'01 26° 📆 27'02 27° 📆 55'29 0° ※ 0° ※38'41 26° ※36'45 0° 💥 13° ※27'07 13° ※37'41 21° ※49'41 26° ※37'07 0° ♀ 3° ♀30'44 0° ※	1°24'06 1°24'42 25°55'15 0.57815 AU -4°34'13 4°30'55 18°43'12 0°36'02 0°36'02 1.39746 AU
minimum elong max. Earth dist.  evening rise desc. node  evening max el retrograde evening set min. Earth dist. inferior conj minimum elong morning rise direct asc. node morning max el  superior conj minimum elong behind sun begin behind sun end desc. node max. Earth dist. evening rise	13135 Nov 26 07:40 13135 Nov 26 13:58 13135 Dec 02 16:40 13135 Dec 03 04:33 13135 Dec 16 14:49 13135 Dec 18 18:25 13136 Jan 02 16:55 13136 Jan 16 15:44 13136 Jan 23 09:59 13136 Jan 30 11:35 13136 Feb 07 06:05 13136 Feb 07 06:05 13136 Feb 09 16:52 13136 Feb 09 16:52 13136 Feb 16 19:14 13136 Feb 25 13:27 13136 Mar 13 09:36 13136 Mar 13 06:57 13136 Mar 13 06:57 13136 Mar 13 14:50 13136 Mar 13 14:50 13136 Mar 20 21:56 13136 Mar 26 02:58 13136 Mar 31 01:15 13136 Mar 31 01:15	15° ₹58'03 16° ₹33'19 0° ₹ 1° ₹03'27 26° ₹32'19 0° ≈ 19° ≈01'42 26° ≈13'43 24° ≈16'13 21° ≈36'01 19° ≈00'19 18° ≈46'11 14° ≈16'26 14° ≈00'10 14° ≈00'46 17° ≈43'46 0° ¥ 12° ¥23'42 0° Ŷ 0° Ŷ31'51 0° Ŷ32'58 29° ¥58'58 1° Ŷ06'52 1° Ŷ12'33 13° Ŷ41'09 22° Ŷ13'27 0° ₹ 0° ¶ 8° ¶39'03 14° ¶28'56	1°34'54 1.31297 AU 26°59'56 0.59927 AU -3°14'11 3°10'57 18°05'20 0°03'03 0°03'06	superior conj minimum elong evening rise  desc. node evening max el retrograde evening set min. Earth dist. inferior conj minimum elong  morning rise direct asc. node  morning max el morning set	13136 Nov 09 20:16 13136 Nov 09 18:19 13136 Nov 09 12:10 13136 Nov 16 13:06 13136 Nov 23 15:14 13136 Dec 02 11:53 13136 Dec 14 07:06 13136 Dec 14 13:31 13136 Dec 28 11:36 13137 Jan 03 16:28 13137 Jan 11 02:49 13137 Jan 11 11:32 13137 Jan 12 14:45 13137 Jan 19 09:25 13137 Jan 21 11:44 13137 Jan 26 14:11 13137 Jan 29 09:16 13137 Jan 20 01:47 13137 Feb 15 05:47 13137 Feb 16 23:30 13137 Feb 23 23:24 13137 Feb 24 01:39 13137 Feb 28 12:39 13137 Mar 03 05:23 13137 Mar 05 04:08 13137 Mar 07 05:41 13137 Mar 24 06:03 13137 Mar 24 06:03 13137 Mar 24 06:03 13137 Mar 24 06:03	0° \$\times^445'05 0° \$\times^34'15 0° \$\times^32'56 0° \$\times^63'2'56 0° \$\times^63'2'59 15° \$\times^63'2'46 0° \$\times^63'2'6'6 0° \$\times^63'2'02 27° \$\times^63'2'9 0° \$\times^63'45 0° \$\ti	1°24'06 1°24'42 25°55'15 0.57815 AU -4°34'13 4°30'55 18°43'12 0°36'02 0°36'02 1.39746 AU
minimum elong max. Earth dist.  evening rise desc. node  evening max el retrograde evening set min. Earth dist. inferior conj minimum elong morning rise direct asc. node morning max el  morning set  superior conj minimum elong behind sun begin behind sun end desc. node max. Earth dist. evening rise  evening max el	13135 Nov 26 07:40 13135 Nov 26 13:58 13135 Dec 02 16:40 13135 Dec 03 04:33 13135 Dec 16 14:49 13135 Dec 18 18:25 13136 Jan 02 16:55 13136 Jan 16 15:44 13136 Jan 23 09:59 13136 Jan 30 11:35 13136 Jan 30 18:30 13136 Feb 07 06:05 13136 Feb 09 07:35 13136 Feb 09 16:52 13136 Feb 16 19:14 13136 Feb 25 13:27 13136 Mar 03 09:36 13136 Mar 13 06:57 13136 Mar 13 06:57 13136 Mar 13 07:12 13136 Mar 13 14:50 13136 Mar 20 21:56 13136 Mar 20 21:56 13136 Mar 20 21:56 13136 Mar 31 01:15 13136 Apr 21 01:00 13136 Apr 28 12:47	15° \$\times 58'03 16° \$\times 33'19 0° \$\times 10' \$\times 03'27 26° \$\times 32'19 0° \$\times 19° \$\times 01'42 26° \$\times 13'43 24° \$\times 16'13 21° \$\times 36'01 19° \$\times 00'19 18° \$\times 46'11 14° \$\times 00'46 17° \$\times 43'46 0° \$\times 120' \$\times 23'42 0° \$\times 120' \$\times 32'58 29° \$\times 58'58 1° \$\times 0'32'58 29° \$\times 58'58 1° \$\times 10'32'7 0° \$\times 0'\$\times 13'27 0° \$\times 0'\$\times 13'03	1°34'54 1.31297 AU 26°59'56 0.59927 AU -3°14'11 3°10'57 18°05'20 0°03'03 0°03'06	superior conj minimum elong evening rise  desc. node evening max el retrograde evening set min. Earth dist. inferior conj minimum elong  morning rise direct asc. node  morning max el morning set  superior conj minimum elong desc. node max. Earth dist. evening rise	13136 Nov 09 20:16 13136 Nov 09 18:19 13136 Nov 09 12:10 13136 Nov 16 13:06 13136 Nov 23 15:14 13136 Dec 02 11:53 13136 Dec 14 07:06 13136 Dec 14 13:31 13136 Dec 28 11:36 13137 Jan 03 16:28 13137 Jan 10 02:49 13137 Jan 11 11:32 13137 Jan 12 14:45 13137 Jan 19 09:25 13137 Jan 21 11:44 13137 Jan 26 14:11 13137 Jan 29 09:16 13137 Jan 30 01:47 13137 Feb 15 05:47 13137 Feb 16 23:30 13137 Feb 24 01:39 13137 Feb 24 01:39 13137 Feb 28 12:39 13137 Mar 03 05:23 13137 Mar 05 04:08 13137 Mar 07 05:41 13137 Mar 07 05:41 13137 Mar 07 05:41	0° 🗷 45'05 0° 🗷 34'15 0° 🗷 15° 🗷 32'56 0° 🛪 15° 🗷 32'56 0° 🛪 15° 🛪 12'47 0° 🕿 0° ※15'19 7° ※17'59 5° ※47'39 3° ※10'55 1° ※02'46 0° ※47'19 30° 🥫 📆 26° 📆 41'01 26° 📆 27'02 27° 📆 55'29 0° ※ 0° ※38'41 26° ※36'45 0° 💥 13° ※27'07 13° ※37'41 21° ※49'41 26° ※37'07 0° ♀ 3° ♀30'44 0° ※	1°24'06 1°24'42 25°55'15 0.57815 AU -4°34'13 4°30'55 18°43'12 0°36'02 0°36'02 1.39746 AU

asc. node	13137 Apr 24 10:50	28° <b>8</b> 42'39		asc. node	13138 Apr 11 08:12	11° <b>8</b> 17'50	
evening set	13137 Apr 24 10:30 13137 Apr 27 15:42	26° <b>8</b> 48'01		evening set	13138 Apr 11 08:12 13138 Apr 11 16:52	11° <b>8</b> 00'04	
min. Earth dist.	13137 Apr 27 13:42 13137 May 02 07:43	21° <b>8</b> 23'32	0.68599 AU	min. Earth dist.	13138 Apr 11 10.32 13138 Apr 16 01:34	6° <b>8</b> 11'16	0.67858 AU
inferior conj	•	20° <b>8</b> 18'51	2°23'56	inferior conj	-	4° <b>8</b> 29'31	1°47'10
,	13137 May 03 02:46			•	13138 Apr 17 08:57		
minimum elong	13137 May 03 00:39	20° <b>8</b> 26'01	2°22'42	minimum elong	13138 Apr 17 06:53	4° <b>8</b> 36'15	1°46'01
morning rise	13137 May 08 09:40	14° <b>8</b> 16'37			13138 Apr 21 04:38	30° <b>₹</b> Υ	
direct	13137 May 12 10:12	12° <b>8</b> 44'43		morning rise	13138 Apr 22 21:17	28° <b>Y</b> 36'12	
morning max el	13137 May 20 05:14	17° <b>8</b> 08'17	20°15'02	direct	13138 Apr 26 10:04	27° <b>Y</b> ′24′29	
desc. node	13137 May 27 14:33	25° <b>8</b> 57'08			13138 May 02 01:26	0°8	
	13137 May 30 13:23	0°Щ		morning max el	13138 May 03 09:36	1° <b>8</b> 13'31	19°13'06
morning set	13137 Jun 17 08:11	26° <b>Ⅱ</b> 27'17		desc. node	13138 May 14 11:21	15° <b>8</b> 31'33	
	13137 Jun 19 15:09	0° <b>©</b>		greatest brilliancy	13138 May 16 06:46	18° <b>8</b> 12'01	-0.7m
max. Earth dist.	13137 Jun 26 23:53	11° <b>©</b> 35'53	1.44086 AU		13138 May 24 01:26	$\Pi$ °0	
				morning set	13138 May 27 11:00	5° <b>Ⅱ</b> 13'43	
superior conj	13137 Jul 02 22:43	21° <b>©</b> 14'13		max. Earth dist.	13138 Jun 09 15:29	25° <b>Ⅱ</b> 43'57	1.45308 AU
minimum elong	13137 Jul 03 04:54	21° <b>©</b> 39'39	2°03'19		13138 Jun 12 08:29	$0$ $\circ$ $\odot$	
	13137 Jul 08 05:08	$0$ $^{\circ}\Omega$					
evening rise	13137 Jul 15 18:49	12° <b>Ω</b> 57'18		superior conj	13138 Jun 12 20:33	0° <b>5</b> 47'46	-2°13'30
asc. node	13137 Jul 21 09:43	22° <b>Ω</b> 38′07		minimum elong	13138 Jun 12 21:06	0° <b>5</b> 49'54	2°14'30
	13137 Jul 25 21:06	0° <b>m</b> y		evening rise	13138 Jun 27 09:48	24° <b>©</b> 17'57	
evening max el	13137 Aug 01 23:38	9° Mg 25′26	18°03'52		13138 Jun 30 20:54	$0^{\circ}\Omega$	
retrograde	13137 Aug 08 10:19	12°Mp46'15		asc. node	13138 Jul 08 06:31	11° <b>Ω</b> 56′09	
evening set	13137 Aug 11 01:38	12° <b>m</b> ) 11'33		evening max el	13138 Jul 16 13:44	22° <b>Ω</b> 57'32	18°18'29
inferior conj	13137 Aug 17 11:08	7° <b>m</b> )01'31	1°43'36	retrograde	13138 Jul 22 22:40	26° <b>Ω</b> 20'56	
minimum elong	13137 Aug 17 13:34	6° Mp 55'11	1°42'21	evening set	13138 Jul 25 22:31	25° <b>Ω</b> 31'53	
min. Earth dist.	13137 Aug 20 09:05	4° <b>m</b> 01'14	0.62198 AU	inferior conj	13138 Jul 31 20:03	20° <b>Ω</b> 04'53	2°30'02
morning rise	13137 Aug 23 23:09	0° <b>m</b> 54'37		minimum elong	13138 Jul 31 22:26	19° <b>Ω</b> 58′00	2°28'45
desc. node	13137 Aug 23 12:32	1° <b>m</b> 14'09		min. Earth dist.	13138 Aug 03 05:01	17° <b>Ω</b> 20'58	0.64326 AU
	13137 Aug 25 09:10	30°R <b>Ω</b>		morning rise	13138 Aug 06 20:56	13° <b>Ω</b> 46′00	
direct	13137 Aug 30 15:30	28° <b>Ω</b> 31'10		desc. node	13138 Aug 10 09:59	11° <b>Ω</b> 41'44	
	13137 Sep 05 06:44	0° <b>m</b> )		direct	13138 Aug 13 11:18	11° <b>Ω</b> 08'59	
morning max el	13137 Sep 13 18:30	6° m/32'20	27°57'15	morning max el	13138 Aug 27 04:21	19° <b>Ω</b> 08'20	27°30'24
-	13137 Oct 01 14:23	0∘ <b>⊽</b>			13138 Sep 05 09:39	0° <b>m</b> )	
asc. node	13137 Oct 17 11:33	28° <b>≏</b> 44'42			13138 Sep 24 14:02	0∘ <u>ଫ</u>	
morning set	13137 Oct 17 17:27	29° <b>≏</b> 14'51		morning set	13138 Oct 01 08:40	12° <b>≏</b> 46'24	
8	13137 Oct 18 02:16	0° <b>M</b> .		asc. node	13138 Oct 04 08:11	18° <b>≏</b> 45'46	
max. Earth dist.	13137 Oct 23 02:58	10°M38'44	1.31791 AU	max. Earth dist.	13138 Oct 06 00:31	22° <b>£</b> 14'10	1.32841 AU
superior conj	13137 Oct 25 05:37	15°M15'28	1°08'30	superior conj	13138 Oct 09 10:57	29° <b>♀</b> 30'36	0°47'21
minimum elong	13137 Oct 25 03:21	15°Mo3'00	1°08'47	minimum elong	13138 Oct 09 08:55	29° <b>₽</b> 19'39	0°47'23
evening rise	13137 Oct 31 23:49	0° <b>∡</b> '05'49		•	13138 Oct 09 16:26	0° <b>M</b> .	
•	13137 Oct 31 22:44	0° <b>∡</b> ¹		evening rise	13138 Oct 16 10:54	14°MJ37'23	
	13137 Nov 17 06:00	0°ಕ		Ü	13138 Oct 24 01:52	0° <b>∡</b> ¹	
desc. node	13137 Nov 19 09:02	2° <b>ප</b> 57'41		desc. node	13138 Nov 06 06:18	19° <b>∡</b> ¹26'32	
evening max el	13137 Nov 26 02:21	10° <b>ප්</b> 41'27	24°24'19	evening max el	13138 Nov 07 12:36	20° <b>∡</b> ¹43'31	22°42'22
retrograde	13137 Dec 09 19:09	17° <b>ろ</b> 31'28		retrograde	13138 Nov 20 13:31	27° <b>∡</b> 11'45	
evening set	13137 Dec 14 23:30	16° <b>පි</b> 32'23		evening set	13138 Nov 24 09:03	26° <b>∡</b> ¹40'02	
min. Earth dist.	13137 Dec 20 13:56	13° <b>ප්</b> 41'19	0.56024 AU	min. Earth dist.	13138 Dec 01 20:56	23° <b>∡</b> 16′20	0.54849 AU
inferior conj	13137 Dec 22 21:19	12° <b>る</b> 15'26		inferior conj	13138 Dec 02 21:34	22° <b>∡</b> ¹41'25	-5°55'07
minimum elong	13137 Dec 23 03:41	12° <b>る</b> 05'33		minimum elong	13138 Dec 02 20:05	22° <b>х</b> 43'30	
morning rise	13137 Dec 31 09:53	8° <b>ਰ</b> 14'04		morning rise	13138 Dec 11 08:29	18° <b>₹</b> '53'16	
direct	13138 Jan 02 20:32	7° <b>る</b> 58'12		direct	13138 Dec 14 12:13	18° <b>∡</b> 30'23	
morning max el	13138 Jan 12 20:54	12° <b>る</b> 47'03	19°43'28	morning max el	13138 Dec 26 01:43	24° <b>×</b> <sup>7</sup> 01'24	21°06'42
asc. node	13138 Jan 13 11:26	13° <b>る</b> 23'05	19 19 20	asc. node	13138 Dec 31 08:38	0°る07'46	21 00 12
use. Houe	13138 Jan 24 16:48	0° <b>≈</b>		use. Houe	13138 Dec 31 06:20	0°る	
morning set	13138 Jan 30 09:37	11° <b>≈</b> 08'43		morning set	13139 Jan 14 18:17	25° <b>る</b> 51'22	
morning sec	13130 3411 30 07.37	11 / 000 15		morning sec	13139 Jan 16 17:51	0°≈	
superior conj	13138 Feb 07 07:07	27° <b>≈</b> 03'38	1°02'00				
minimum elong	13138 Feb 07 09:55	27° <b>≈</b> 17'28	1°02'14	superior conj	13139 Jan 22 02:00	11° <b>≈</b> 09'51	1°20'45
5	13138 Feb 08 19:03	0° <b>∀</b>		minimum elong	13139 Jan 22 04:24	11° <b>≈</b> 22'14	1°21'19
max. Earth dist.	13138 Feb 13 11:31	8° <b>)</b> 54′59	1.37500 AU	max. Earth dist.	13139 Jan 26 21:15	20° <b>≈</b> 51'32	1.35417 AU
desc. node	13138 Feb 15 09:13	12° <b>)</b> € 24'32		evening rise	13139 Jan 30 21:38	28° <b>≈</b> 34'10	
evening rise	13138 Feb 17 04:55	15° <b>)</b> 40'38		<i>3</i>	13139 Jan 31 16:04	0° <b>)</b> €	
<i>2</i> ·	13138 Feb 25 16:05	0° <b>Υ</b>		desc. node	13139 Feb 02 05:49	2° <b>)</b> 53′04	
	13138 Mar 18 20:27	0°8			13139 Feb 18 22:15	0° <b>Υ</b>	
evening max el	13138 Mar 24 16:29	6° <b>8</b> 23'03	25°20'11	evening max el	13139 Mar 07 06:15	20° <b>Υ</b> 11'51	26°25'33
retrograde	13138 Apr 05 20:32	13° <b>8</b> 25'42		retrograde	13139 Mar 20 04:51	27° <b>Υ</b> 31'41	
	p. 00 20.02	0-0 12			2000.01		

evening set	13139 Mar 26 12:04	25° <b>Y</b> 00'12			13140 Feb 14 04:08	0°Υ	
asc. node	13139 Mar 29 05:39	22° <b>Υ</b> 21'22		evening max el	13140 Feb 17 19:48	3° <b>Y</b> 47'34	27°12'01
min. Earth dist.	13139 Mar 30 14:42	20° <b>Υ</b> 46'17	0.66698 AU	retrograde	13140 Mar 02 07:09	11° <b>Υ</b> 14'09	
inferior conj	13139 Apr 01 10:25	18° <b>Ƴ</b> 33'45	0°59'46	evening set	13140 Mar 08 23:19	8° <b>Υ</b> 42'18	
minimum elong	13139 Apr 01 08:59	18° <b>Ƴ</b> 38′08	0°59'01	min. Earth dist.	13140 Mar 12 20:58	5° <b>Y</b> ′01′26	0.65155 AU
morning rise	13139 Apr 07 06:50	12° <b>Υ</b> 51'10		inferior conj	13140 Mar 15 04:49	2° <b>Y</b> 26'20	0°01'22
direct	13139 Apr 10 08:57	11° <b>Y</b> 57'33		minimum elong	13140 Mar 15 04:46	2° <b>Y</b> 26'27	0°01'24
morning max el	13139 Apr 16 20:49	15° <b>Y</b> 24'55	18°27'17	transit middle	13140 Mar 15 04:46	2° <b>Y</b> 26'27	0°01'24
	13139 Apr 27 19:12	$9^{\circ}$ 8		transit begin	13140 Mar 15 01:46	2° <b>Ƴ</b> 34'51	
desc. node	13139 May 01 08:03	5° <b>8</b> 29'05		transit end	13140 Mar 15 07:47	2° <b>Y</b> 18'03	
morning set	13139 May 07 08:27	14° <b>8</b> 58'16		asc. node	13140 Mar 15 03:07	2° <b>Ƴ</b> 31′03	
	13139 May 16 21:36	$\Pi^{\circ}0$			13140 Mar 17 11:35	30° <b>₹</b> ₩	
				morning rise	13140 Mar 21 11:54	26° <b>¥</b> 56'41	
superior conj	13139 May 23 04:56	9° <b>Ⅱ</b> 51'38	-2°04'29	direct	13140 Mar 24 04:34	26° <b>)</b> 18′12	
minimum elong	13139 May 22 22:04	9° <b>Ⅱ</b> 24'49	2°05'02	morning max el	13140 Mar 30 12:46	29° <b>)</b> ₹36′18	17°58'17
max. Earth dist.	13139 May 23 10:59	10° <b>Ⅱ</b> 15'13	1.45816 AU		13140 Mar 30 22:17	$0$ ° $\mathbf{\gamma}$	
	13139 Jun 05 01:41	$0$ $\circ$ $\odot$		morning set	13140 Apr 17 10:06	26° <b>Y</b> 05'44	
evening rise	13139 Jun 08 00:15	4°937'53		desc. node	13140 Apr 17 04:41	25° <b>Y</b> 43′29	
greatest brilliancy	13139 Jun 17 03:50	19° <b>5</b> 00'16	-0.8m		13140 Apr 19 19:08	$0^{\circ}$ 8	
	13139 Jun 24 13:28	$0$ $^{\circ}\Omega$					
asc. node	13139 Jun 25 03:25	0° <b>Ω</b> 47'41		superior conj	13140 May 01 17:04	19° <b>8</b> 12'08	
evening max el	13139 Jun 30 01:11	6° <b>Ω</b> 39'43	18°50'40	minimum elong	13140 May 01 07:58	18° <b>8</b> 36'05	
retrograde	13139 Jul 06 17:24	10° <b>Ω</b> 19'17		max. Earth dist.	13140 May 05 07:14	_	1.45570 AU
evening set	13139 Jul 10 02:00	9° <b>Ω</b> 14'19			13140 May 08 14:11	0°II	
inferior conj	13139 Jul 15 15:16	3° <b>Ω</b> 32'00		evening rise	13140 May 17 18:34	14° <b>Ⅱ</b> 12'08	
minimum elong	13139 Jul 15 16:53	3° <b>Ω</b> 26'56	2°57'04		13140 May 28 03:23	0°©	0.6
min. Earth dist.	13139 Jul 17 09:38	1° <b>Ω</b> 19'07	0.66122 AU	greatest brilliancy	13140 May 31 15:10	5°511'23	-0.6m
	13139 Jul 18 11:59	30°Rூ		asc. node	13140 Jun 11 00:26	19°503'29	10020122
morning rise	13139 Jul 21 07:00	27°508'29		evening max el	13140 Jun 12 07:51	20°526'19	19°39'23
direct	13139 Jul 27 14:28	24°927'52		retrograde	13140 Jun 19 15:28	24°934'24	
desc. node	13139 Jul 28 07:24	24° <b>©</b> 29'40 0° <b>Ω</b>		evening set	13140 Jun 23 09:19	23°S12'52	2011121
marning may al	13139 Aug 07 08:14		26°33'57	inferior conj	13140 Jun 28 17:37 13140 Jun 28 18:12	17° <b>©</b> 16'49 17° <b>©</b> 14'53	3°11'21 3°10'19
morning max el	13139 Aug 09 15:28 13139 Aug 30 13:54	2 <b>3 C</b> 12 Z1	20 33 37	minimum elong min. Earth dist.	13140 Jun 29 21:28	17 9014 33 15°9543'58	0.67495 AU
morning set	13139 Aug 30 13.34 13139 Sep 14 12:26	25° Mp 44'36		morning rise	13140 Jul	10°953'38	0.07493 AU
morning set	13139 Sep 14 12.20 13139 Sep 16 17:50	23 11 <b>√</b> 44 30		direct	13140 Jul 04 02:40 13140 Jul 09 23:59	8°918'30	
max. Earth dist.	13139 Sep 18 17:30	ა <b>_</b> 3° <b>ჲ</b> 29'08	1.34410 AU	desc. node	13140 Jul 14 04:43	9° <b>©</b> 23'03	
asc. node	13139 Sep 10 12:33	8° <b>£</b> 51'27	1.5 1110 110	morning max el	13140 Jul 22 02:14	15° <b>©</b> 33'27	25°16'53
use. Hode	13137 Sep 21 01.10	0 -3127		morning max or	13140 Aug 02 23:39	0° <b>Ω</b>	20 1000
superior conj	13139 Sep 23 09:55	13° <b>≏</b> 24'21	0°20'56		13140 Aug 22 11:09	0° <b>m</b> )	
minimum elong	13139 Sep 23 08:49	13° <b>≏</b> 18'35	0°20'51	morning set	13140 Aug 27 00:49	7° m 59'59	
evening rise	13139 Sep 30 20:28	29° <b>ჲ</b> 02'40		max. Earth dist.	13140 Aug 30 15:15	14° mp 35'22	1.36426 AU
S	13139 Oct 01 07:26	0°M			Ü	•	
	13139 Oct 19 06:52	0° <b>∡</b> ¹		superior conj	13140 Sep 05 23:36	26° Mp 49'23	-0°10'06
evening max el	13139 Oct 20 05:33	0° <b>∡</b> 758'19	21°06'49	minimum elong	13140 Sep 06 00:15	26° m 52'33	0°10'07
desc. node	13139 Oct 24 03:39	4° <b>∡</b> 13′28		behind sun begin	13140 Sep 05 19:14	26° <b>m</b> 27'39	
retrograde	13139 Nov 01 00:36	6° <b>≯</b> 50′03		behind sun end	13140 Sep 06 05:16	27° <b>m</b> 17'29	
evening set	13139 Nov 03 14:01	6° <b>∡</b> ³34'39		asc. node	13140 Sep 07 01:23	28° <b>m</b> 57'48	
inferior conj	13139 Nov 12 13:06	2° <b>∡</b> 140′52	-5°15'40		13140 Sep 07 13:47	0∘ <b>⊽</b>	
minimum elong	13139 Nov 12 04:08		5°13'01	evening rise	13140 Sep 14 02:17	13° <b>≏</b> 15'33	
min. Earth dist.	13139 Nov 13 03:02	2° <b>∡</b> ¹21'10	0.54524 AU		13140 Sep 22 20:23	0° <b>M</b> .	
	13139 Nov 17 15:00	30°RML		evening max el	13140 Oct 01 11:56	11°M54'21	19°49'03
morning rise	13139 Nov 20 18:46	28°M49'38		desc. node	13140 Oct 10 01:06	16°M51'03	
direct	13139 Nov 24 19:52	28°M14'32		retrograde	13140 Oct 11 15:55	16°M58'30	
	13139 Dec 01 15:35	0° <b>∡</b> ¹		evening set	13140 Oct 13 14:00	16°M48'27	
morning max el	13139 Dec 07 17:45	4° <b>₹</b> 27'30	22°48'48	inferior conj	13140 Oct 22 10:26	12°M46'58	
asc. node	13139 Dec 18 05:45	17° <b>₹</b> 52'33		minimum elong	13140 Oct 22 01:06	13°M01'22	3°42'09
	13139 Dec 25 00:54	0°る		min. Earth dist.	13140 Oct 24 11:42	11°M31'04	0.55145 AU
morning set	13139 Dec 30 05:34	10° <b>る</b> 38'18		morning rise	13140 Oct 30 10:39	8°M31'32	
	12140 1 06 04 46	25072500	1022125	direct	13140 Nov 04 08:46	7°M38'14	2.402.512.5
superior conj	13140 Jan 06 04:46	25° <b>る</b> 36'39		morning max el	13140 Nov 18 03:55	14°M28'43	24°37'35
minimum elong	13140 Jan 06 06:15	25° <b>⋜</b> 44'37	1°33'26	1	13140 Nov 30 07:51	0° <b>⊼</b> ¹	
mov E4l- J'	13140 Jan 08 06:25	0°≈ 2°2244!57	1 22665 ATT	asc. node	13140 Dec 04 02:46	6° <b>₹</b> 22'07	
max. Earth dist.	13140 Jan 09 13:58	2°≈44'57	1.33665 AU	morning set	13140 Dec 13 17:29	25° <b>≯</b> 22'47	
evening rise	13140 Jan 14 04:18	12°≈02'27			13140 Dec 15 20:40	0°ಕ	
desc. node	13140 Jan 20 02:31 13140 Jan 24 00:08	23°≈11'04 0° <b>)</b> €		superior conj	13140 Dec 20 12:37	10° <b>る</b> 14'51	1°37'56
	13170 Jan 24 00.08	υ <b>Λ</b>		superior collj	13170 Dec 20 12.3/	10 01431	1 3/30

minimum elong	13140 Dec 20 13:00	10°る17'00	1°38'55	max. Earth dist.	13141 Dec 05 19:53	26° <b>₹</b> 52'26	1.31537 AU
max. Earth dist.	13140 Dec 22 14:04	14°る44'28	1.32353 AU	man. Bartir digt.	13141 Dec 07 05:47	0°る	1.51057110
evening rise	13140 Dec 27 21:31	25° <b>ප</b> 56'01		evening rise	13141 Dec 11 22:31	10° <b>පි</b> 08'16	
<i>y</i>	13140 Dec 29 22:04	0° <b>≈</b>		<i>y</i>	13141 Dec 22 04:56	0° <b>≈</b>	
desc. node	13141 Jan 05 23:17	13° <b>≈</b> 12'12		desc. node	13141 Dec 23 20:09	2° <b>≈</b> 49'40	
	13141 Jan 16 10:04	0° <b>∀</b>		evening max el	13142 Jan 12 15:37	29° <b>≈</b> 30'35	27°21'57
evening max el	13141 Jan 30 07:35	16° <b>)</b> 57'43	27°32'49		13142 Jan 13 04:12	0° <b>)</b> €	
retrograde	13141 Feb 13 02:43	24° <b>)</b> € 22'59		retrograde	13142 Jan 26 14:19	6° <b>)</b> 48′23	
evening set	13141 Feb 20 00:09	21° <b>¥</b> 58′01		evening set	13142 Feb 02 11:35	4° <b>)</b> 38′46	
min. Earth dist.	13141 Feb 23 18:34	18° <b>)</b> 46′23	0.63276 AU	min. Earth dist.	13142 Feb 06 06:07	1° <b>){</b> 49'40	0.61171 AU
inferior conj	13141 Feb 26 13:17	15° <b>¥</b> 59'42			13142 Feb 08 08:05	30° <b>₹</b> ≈	
minimum elong	13141 Feb 26 15:30	15° <b>)</b> 54′08	1°06'45	inferior conj	13142 Feb 09 08:32	29° <b>≈</b> 05′26	
asc. node	13141 Mar 02 00:35	12° <b>)</b> 46′57		minimum elong	13142 Feb 09 13:43	28° <b>≈</b> 53'58	2°24'00
morning rise	13141 Mar 05 09:18	10° <b>¥</b> 45'32		morning rise	13142 Feb 16 18:52	24°≈09'32	
direct	13141 Mar 07 18:03	10° <b>¥</b> 18'40	17046126	asc. node	13142 Feb 16 22:01	24°≈07'17	
morning max el	13141 Mar 14 06:33	13° <b>¥</b> 38'50 0° <b>Ƴ</b>	17°46'36	direct	13142 Feb 18 21:57	23°≈50'30 27°≈23'03	17°52'58
morning set	13141 Mar 25 15:28 13141 Mar 30 13:55	0 1 8° <b>Υ</b> 28'07		morning max el	13142 Feb 25 22:51 13142 Feb 28 07:08	27 <b>≈</b> 23 03	1/ 3238
morning set desc. node	13141 Mai 30 13.33 13141 Apr 04 01:15	8 1 28 07 16° <b>Υ</b> 09'19		morning set	13142 Feb 28 07.08 13142 Mar 13 13:48	0 <del>X</del> 21° <b>¥</b> 46'45	
desc. Hode	13141 Apr 04 01.13	10 1 09 19		morning set	13142 Mar 18 03:02	21 <b>γ</b> (4043	
superior conj	13141 Apr 11 23:55	29° <b>Y</b> 27'52	-0°58'52	desc. node	13142 Mar 21 21:45	6°Υ'42'20	
minimum elong	13141 Apr 11 17:57	29° <b>Υ</b> '03'22	0°58'26				
	13141 Apr 12 07:45	0°8		superior conj	13142 Mar 24 06:56	10° <b>Y</b> 51′01	-0°18'39
max. Earth dist.	13141 Apr 18 01:23	9° <b>8</b> 15'43	1.44606 AU	minimum elong	13142 Mar 24 05:16	10° <b>Ƴ</b> 43'46	0°18'29
evening rise	13141 Apr 27 05:41	23° <b>8</b> 36'22		max. Earth dist.	13142 Mar 31 15:48	23° <b>Y</b> 14'11	1.43033 AU
	13141 May 01 10:21	$\Pi^{\circ}0$			13142 Apr 04 20:20	$0^{\circ}$ 8	
	13141 May 22 13:47	0ංම		evening rise	13142 Apr 07 01:28	3° <b>8</b> 30'09	
evening max el	13141 May 26 08:43	4°গু14'17	20°42'35		13142 Apr 24 19:43	$\Pi$ $^{\circ}0$	
asc. node	13141 May 28 21:32	6° <b>©</b> 31'50		evening max el	13142 May 09 04:11	18° <b>Ⅲ</b> 03′04	21°56'47
retrograde	13141 Jun 03 14:27	9° <b>5</b> 00'36		asc. node	13142 May 15 18:43	22° <b>Ⅱ</b> 57'43	
evening set	13141 Jun 07 18:17	7° <b>5</b> 22'31		retrograde	13142 May 18 12:26	23° <b>Ⅲ</b> 32'21	
inferior conj	13141 Jun 13 00:27	1° <b>©</b> 14'23	3°11'52	evening set	13142 May 23 03:04	21° <b>Ⅲ</b> 38′25	
minimum elong	13141 Jun 13 00:01	1°515'54	3°10'51	inferior conj	13142 May 28 09:35	15° <b>Ⅱ</b> 20'04	3°01'20
min. Earth dist.	13141 Jun 13 14:29	0°925'55	0.68407 AU	minimum elong	13142 May 28 08:16	15° <b>Ⅲ</b> 24'40	3°00'13
marning rigg	13141 Jun 13 22:02 13141 Jun 18 05:29	30°RⅡ 24°Ⅱ54'49		min. Earth dist.	13142 May 28 10:26 13142 Jun 02 13:16	15° <b>Ⅱ</b> 17'04 9° <b>Ⅱ</b> 06'15	0.68852 AU
morning rise direct	13141 Jun 23 14:51	24 <b>H</b> 34 49 22° <b>H</b> 32'22		morning rise direct	13142 Jun 07 09:52	9 <b>П</b> 00 13 7° <b>П</b> 01'37	
desc. node	13141 Jul 23 14:31 13141 Jul 01 01:56	25° <b>I</b> 54'46		morning max el	13142 Jun 17 00:14	12° <b>Ⅱ</b> 40′29	22°19'49
morning max el	13141 Jul 04 12:28	29° <b>I</b> I03'32	23°49'02	desc. node	13142 Jun 17 23:02	13° <b>∏</b> 39'12	22 17 47
morning must be	13141 Jul 05 10:20	0ಂಣ	23 .7 02	desc. node	13142 Jun 30 20:22	0.00	
	13141 Jul 27 17:38	0°N		morning set	13142 Jul 20 09:17	29° <b>©</b> 37'15	
morning set	13141 Aug 08 17:15	19° <b>Ω</b> 21'29		Č	13142 Jul 20 14:54	$0^{\circ}\Omega$	
max. Earth dist.	13141 Aug 12 12:51	25° <b>Ω</b> 58'12	1.38719 AU	max. Earth dist.	13142 Jul 25 12:19	8° <b>Ω</b> 04'48	1.41045 AU
	13141 Aug 14 19:09	0° <b>m</b>					
				superior conj	13142 Aug 02 08:05	21° <b>Ω</b> 37'57	-1°18'51
superior conj	13141 Aug 20 00:27	9° <b>m</b> ,37′29		minimum elong	13142 Aug 02 13:55	22° <b>Ω</b> 03′59	1°18'44
minimum elong	13141 Aug 20 03:35	9° <b>m</b> 52'18	0°44'08		13142 Aug 06 22:51	0° <b>m</b> )	
asc. node	13141 Aug 24 21:58	19° <b>m</b> 01'27		asc. node	13142 Aug 11 18:33	8° m 58'00	
evening rise	13141 Aug 29 01:39	27° m, 09'19		evening rise	13142 Aug 12 15:07	10° Tp 34'16	
	13141 Aug 30 12:38	ეა. <b>ひ</b> ვიცა	10053100		13142 Aug 23 17:16	0° <b>™</b>	10010110
evening max el	13141 Sep 14 08:04	23° <b>♀</b> 39'56 27° <b>♀</b> 58'24	18°53'00	evening max el	13142 Aug 28 14:18	6° <b>Ω</b> 07'37 9° <b>Ω</b> 52'11	18°18'19
retrograde evening set	13141 Sep 22 22:12 13141 Sep 24 19:17	27 <b>≗</b> 38 24 27° <b>≗</b> 46'49		retrograde evening set	13142 Sep 04 23:39 13142 Sep 07 02:34	9° <b>2</b> 3211	
desc. node	13141 Sep 26 22:35	27° <b>⊆</b> 4049 27° <b>⊆</b> 07'32		desc. node	13142 Sep 07 02:34 13142 Sep 13 20:06	5° <b>£</b> 32'01	
inferior conj	13141 Oct 03 01:24	23° <b>₽</b> 28'19	-1°56'05	inferior conj	13142 Sep 13 20:00 13142 Sep 14 14:04	4° <b>£</b> 54'55	-0°14'01
minimum elong	13141 Oct 03 01:24 13141 Oct 02 20:30		1°53'50	minimum elong	13142 Sep 14 14:04 13142 Sep 14 13:33	4° <b>£</b> 55'59	
min. Earth dist.	13141 Oct 06 01:19	21° <b>≏</b> 20'58	0.56605 AU	transit middle	13142 Sep 14 13:33	4° <b>Ω</b> 55'59	0°13'50
morning rise	13141 Oct 10 18:31	18° <b>≏</b> 36'39		transit begin	13142 Sep 14 11:45	4° <b>≙</b> 59'44	
direct	13141 Oct 16 11:28	17° <b>≏</b> 18'44		transit end	13142 Sep 14 15:21	4° <b>£</b> 52'13	
morning max el	13141 Oct 30 16:27	24° <b>≙</b> 38'48	26°14'51	min. Earth dist.	13142 Sep 17 21:33	2° <b>≏</b> 10'38	0.58631 AU
	13141 Nov 04 15:01	0° <b>M</b>			13142 Sep 20 22:47	30°R, M⊅	
asc. node	13141 Nov 20 23:40	25°M25'22		morning rise	13142 Sep 21 21:05	29° <b>m</b> 27'25	
	13141 Nov 23 08:17	0° <b>∡</b> ¹		direct	13142 Sep 28 04:11	27° <b>m</b> 41'55	
morning set	13141 Nov 28 04:17	10° <b>∡</b> ¹00′22			13142 Oct 05 16:20	0∘ <b>ত</b>	
		<del>-</del> -		morning max el	13142 Oct 12 11:53	5° <b>≏</b> 23'21	27°24'17
superior conj	13141 Dec 04 23:20	24° 🖈 58'11	1°37'09	1	13142 Oct 30 17:18	0°M	
minimum elong	13141 Dec 04 22:39	24° <b>₹</b> 54′24	1°38'07	asc. node	13142 Nov 07 20:27	14°M53'00	

morning set	13142 Nov 12 12:17 13142 Nov 15 02:11	24°M26′27 0°⊀		morning set max. Earth dist.	13143 Oct 27 15:36 13143 Nov 02 11:47	8°M36'08 21°M09'25	1.31438 AU
superior conj	13142 Nov 19 10:58	9° <b>∡</b> 740'48	1°30'30	superior conj	13143 Nov 03 21:42	24°M17'05	1°18'09
minimum elong	13142 Nov 19 09:24	9° <b>×</b> <sup>7</sup> 32'01	1°31'17	minimum elong	13143 Nov 03 19:34	24°ML05'12	1°18'38
max. Earth dist.	13142 Nov 19 04:23	9° <b>×</b> 704'01	1.31229 AU	minimum crong	13143 Nov 06 11:25	0° <b>√</b>	1 10 50
evening rise	13142 Nov 26 04:54	24° <b>х</b> ³33'03		evening rise	13143 Nov 10 14:37	9° <b>х</b> 04'33	
Č	13142 Nov 28 19:06	8°0		C	13143 Nov 21 05:16	8°0	
desc. node	13142 Dec 10 17:09	21° <b>る</b> 54'22		desc. node	13143 Nov 27 14:15	10° <b>る</b> 13'10	
	13142 Dec 16 03:04	0° <b>≈</b>		evening max el	13143 Dec 07 10:24	22° <b>る</b> 07'25	25°19'01
evening max el	13142 Dec 25 17:17	11° <b>≈</b> 15'35	26°36'25	retrograde	13143 Dec 21 06:34	29° <b>る</b> 04'38	
retrograde	13143 Jan 08 16:13	18° <b>≈</b> 23'09		evening set	13143 Dec 27 02:39	27° <b>る</b> 47'23	
evening set	13143 Jan 15 05:51	16° <b>≈</b> 36′50		min. Earth dist.	13143 Dec 31 22:31	25° <b>る</b> 07'08	0.56997 AU
min. Earth dist.	13143 Jan 19 07:09	13°≈59'48	0.59003 AU	inferior conj	13144 Jan 03 17:29	23°る15'40	
inferior conj minimum elong	13143 Jan 22 11:01	11°≈34'11		minimum elong	13144 Jan 04 01:54 13144 Jan 12 03:33	23°る01'38 19°る03'03	5°01'04
morning rise	13143 Jan 22 18:59 13143 Jan 30 11:05	11°≈18'48 6°≈59'12	3°45'43	morning rise direct	13144 Jan 14 08:34	19 <b>3</b> 03 03	
direct	13143 Feb 01 12:13	6°≈44'20		asc. node	13144 Jan 21 16:43	18 04842 21°る39'42	
asc. node	13143 Feb 03 19:24	7°≈03'59		morning max el	13144 Jan 23 12:08	21 <b>3</b> 37 <b>4</b> 2 23° <b>る</b> 14'51	19°06'04
morning max el	13143 Feb 09 10:03	10° <b>≈</b> 39'00	18°18'50	morning max or	13144 Jan 28 23:26	0°≈	17 00 01
	13143 Feb 22 02:48	0° <b>)</b> €		morning set	13144 Feb 09 03:48	20° <b>≈</b> 06'47	
morning set	13143 Feb 25 03:58	5° <b>)</b> 44′29		C	13144 Feb 14 03:38	0° <b>∀</b>	
-							
superior conj	13143 Mar 06 12:28	23° <b>¥</b> 16′26	0°17'50	superior conj	13144 Feb 17 11:58	6° <b>)</b> 30′38	0°47'56
minimum elong	13143 Mar 06 13:46	23° <b>)</b> €22'22	0°17'50	minimum elong	13144 Feb 17 14:36	6° <b>)</b> 43′16	0°48'02
desc. node	13143 Mar 08 18:16	27° <b>¥</b> 19′05		desc. node	13144 Feb 23 14:47	17° <b>)</b> ₹55′22	
	13143 Mar 10 06:31	0° <b>Υ</b>		max. Earth dist.	13144 Feb 24 08:56	19° <b>∺</b> 17'04	1.38784 AU
max. Earth dist.	13143 Mar 14 02:05	6° <b>Y</b> 36'53	1.41020 AU	evening rise	13144 Feb 28 03:42	25° <b>¥</b> 55'59	
evening rise	13143 Mar 18 16:01	14° <b>℃</b> 15'57			13144 Mar 01 13:04	0° <b>Υ</b>	
	13143 Mar 28 16:15	0° <b>B</b>		. 1	13144 Mar 21 07:02	0°8	24026154
avanina may al	13143 Apr 20 00:04	0° <b>Ц</b> 1° <b>Ц</b> 53'57	22016155	evening max el	13144 Apr 03 09:32	15° <b>8</b> 45'47 22° <b>8</b> 32'45	24°36'54
evening max el retrograde	13143 Apr 21 19:51 13143 May 02 08:01	1°Щ33'37 8°Щ05'14	23 10 33	retrograde asc. node	13144 Apr 15 00:04 13144 Apr 18 13:22	21° <b>8</b> 36'57	
asc. node	13143 May 02 08:01 13143 May 02 16:00	8° <b>П</b> 03'14		evening set	13144 Apr 18 13.22 13144 Apr 20 13:56	20° <b>8</b> 12'09	
evening set	13143 May 07 10:09	5° <b>П</b> 56'45		min. Earth dist.	13144 Apr 25 02:36	15° <b>8</b> 03'13	0.68341 AU
e venning see	13143 May 12 10:35	30°R <b>8</b>		inferior conj	13144 Apr 26 02:58	13° <b>8</b> 41'57	2°09'37
inferior conj	13143 May 12 19:03	29° <b>8</b> 30'46	2°40'31	minimum elong	13144 Apr 26 00:49	13° <b>8</b> 49'10	2°08'23
minimum elong	13143 May 12 17:08	29° <b>8</b> 37'24	2°39'18	morning rise	13144 May 01 11:53	7° <b>8</b> 43'36	
min. Earth dist.	13143 May 12 07:11	0° <b>Ⅲ</b> 11'42	0.68829 AU	direct	13144 May 05 07:20	6° <b>8</b> 20'30	
morning rise	13143 May 18 00:02	23° <b>8</b> 24'06		morning max el	13144 May 12 17:04	10° <b>8</b> 27'28	19°46'53
direct	13143 May 22 07:50	21° <b>8</b> 39'59		desc. node	13144 May 21 16:51	21° <b>8</b> 33'41	
morning max el	13143 May 30 17:01	26° <b>8</b> 28'10	20°57'17	greatest brilliancy	13144 May 25 14:55	27° <b>8</b> 10'11	-0.6m
	13143 Jun 02 22:44	0°II			13144 May 27 13:08	0°II	
desc. node	13143 Jun 04 19:59	2° <b>Ⅱ</b> 17'10		morning set	13144 Jun 08 02:29	17° <b>Ⅱ</b> 28'38	
	13143 Jun 24 07:22	0°55		Earth diet	13144 Jun 16 04:09	0°©	1 44600 ATT
morning set max. Earth dist.	13143 Jun 30 00:53 13143 Jul 07 18:23	8° <b>©</b> 49'26 21° <b>©</b> 06'59	1.43118 AU	max. Earth dist.	13144 Jun 19 07:05	4° <b>©</b> 55'22	1.44689 AU
max. Earth dist.	13143 Jul 13 03:47	0°Ω	1.43116 AU	superior conj	13144 Jun 24 04:33	12° <b>©</b> 44'48	-2°09'29
	13113 341 13 03.17	V 00		minimum elong	13144 Jun 24 08:57	13°902'32	
superior conj	13143 Jul 14 18:15	2° <b>Ω</b> 41'42	-1°49'25		13144 Jul 04 15:53	0°N	
minimum elong	13143 Jul 15 01:22	3° <b>Ω</b> 11'47		evening rise	13144 Jul 07 18:39	5° <b>Ω</b> 15'19	
evening rise	13143 Jul 26 14:27	23° <b>Ω</b> 20′17		asc. node	13144 Jul 15 11:58	18° <b>Ω</b> 13'37	
asc. node	13143 Jul 29 15:12	28° <b>Ω</b> 43'39			13144 Jul 23 10:50	0° <b>™</b>	
	13143 Jul 30 08:29	0° <b>™</b>		evening max el	13144 Jul 25 16:42	2° <b>m</b> 29'52	18°07'49
evening max el	13143 Aug 12 02:26	19° <b>m</b> 07'22	18°03'37	retrograde	13144 Aug 01 01:34	5° m 50'25	
retrograde	13143 Aug 18 18:18	22° <b>m</b> 32'46		evening set	13144 Aug 03 20:27	5° m 09'52	
evening set	13143 Aug 21 04:57	22° Mp 05'03			13144 Aug 09 21:28	30°R <b>Ω</b>	
inferior conj	13143 Aug 27 22:59	17° Mp 05'13	1°07'17	inferior conj	13144 Aug 10 00:22	29° <b>Ω</b> 52'07	2°05'45
minimum elong	13143 Aug 28 00:53	17° Mp 00'38	1°06'17	minimum elong	13144 Aug 10 02:54	29° <b>Ω</b> 45'11	2°04'26
min. Earth dist. desc. node	13143 Aug 31 02:24 13143 Aug 31 17:37	14° Mp 04'47 13° Mp 30'31	0.60900 AU	min. Earth dist. morning rise	13144 Aug 12 17:02 13144 Aug 16 07:26	26° <b>Ω</b> 56'45 23° <b>Ω</b> 38'48	0.63132 AU
morning rise	13143 Aug 31 17:37 13143 Sep 03 17:59	13° To 09'43		desc. node	13144 Aug 16 07:26 13144 Aug 17 15:06	23° <b>Ω</b> 44'53	
direct	13143 Sep 03 17.39 13143 Sep 10 08:44	8° <b>m</b> 58'41		direct	13144 Aug 17 13.06 13144 Aug 22 23:25	22 <b>δ l</b> 44 33 21° <b>Ω</b> 08'40	
morning max el	13143 Sep 10 08:44 13143 Sep 24 14:47	16° Mp 54'29	27°56'28	morning max el	13144 Aug 22 23:23 13144 Sep 05 23:10	29° <b>Ω</b> 10'36	27°50'02
	13143 Oct 05 11:02	ე° <b>ი</b>			13144 Sep 06 18:33	0° m)	5002
	13143 Oct 23 09:11	0° <b>M</b> .			13144 Sep 28 09:17	0∘ <mark>ಹ</mark>	
asc. node	13143 Oct 25 17:08	4°M37'57		morning set	13144 Oct 10 12:03	22° <b>≏</b> 24'14	

,	12144 0 4 11 12 47	240 0 24146			12145 0 02 10 56	00 %	
asc. node	13144 Oct 11 13:47	24° <b>₽</b> 34'46 0° <b>M</b> ₅			13145 Sep 02 18:56	0ം <b>ट</b> 0ംൂമ	
may Earth dist	13144 Oct 14 04:25 13144 Oct 15 14:09		1.32173 AU	marring gat	13145 Sep 20 22:40	0° <b>1</b> 2 5° <b>Ω</b> 42'58	
max. Earth dist.	13144 Oct 13 14.09	2 11639 02	1.321/3 AU	morning set asc. node	13145 Sep 23 22:52 13145 Sep 28 10:23	3 <b>≗</b> 42 38 14° <b>£</b> 38'13	
superior conj	13144 Oct 18 05:39	8° <b>M</b> 41'59	1°00'11	max. Earth dist.	13145 Sep 28 10.25 13145 Sep 28 07:45	14 <b>≗</b> 38 13 14° <b>£</b> 24'50	1.33444 AU
minimum elong	13144 Oct 18 03:34 13144 Oct 18 03:24	8°M29'44	1°00'11 1°00'22	max. Earth dist.	13143 Sep 26 07.43	14 == 24 30	1.33444 AU
evening rise	13144 Oct 25 01:46	23°M37'55	1 00 22	superior conj	13145 Oct 02 08:36	22° <b>≏</b> 48'48	0°36'46
evening 113e	13144 Oct 28 02:08	0° <b>⊼</b> ¹		minimum elong	13145 Oct 02 06:51	22° <b>₽</b> 39'36	0°36'44
desc. node	13144 Nov 13 11:28	27° <b>х</b> 29'00		g	13145 Oct 05 17:22	0°M	0 30
	13144 Nov 15 15:15	ರ°0		evening rise	13145 Oct 09 12:27	8°ML07'13	
evening max el	13144 Nov 17 20:58	2°る18'47	23°41'07	C	13145 Oct 20 22:30	0° <b>∡</b> ¹	
retrograde	13144 Dec 01 08:34	9° <b>ට</b> 01'48		evening max el	13145 Oct 30 08:52	12° <b>∡</b> ¹21'32	22°00'04
evening set	13144 Dec 05 23:44	8° <b>ට</b> 15'04		desc. node	13145 Oct 31 08:48	13° <b>∡</b> 18′01	
min. Earth dist.	13144 Dec 12 07:29	5° <b>る</b> 12'22	0.55432 AU	retrograde	13145 Nov 11 23:14	18° <b>∡</b> ³36'31	
inferior conj	13144 Dec 14 03:33	4° <b>る</b> 07'07	-5°50'29	evening set	13145 Nov 15 04:20	18° <b>∡</b> 13'30	
minimum elong	13144 Dec 14 07:07	4° <b>ට</b> 01'50	5°49'12	inferior conj	13145 Nov 23 22:31	14° <b>∡</b> 18′21	-5°45'47
morning rise	13144 Dec 22 16:19	0° <b>ට</b> 13'13		minimum elong	13145 Nov 23 17:16	14° <b>≮</b> ¹25'43	5°44'18
	13144 Dec 23 23:52	30°R <b>✓</b>		min. Earth dist.	13145 Nov 23 14:00	14° <b>∡</b> ³30′17	0.54596 AU
direct	13144 Dec 25 09:14	29° <b>∡</b> 55′08		morning rise	13145 Dec 02 07:17	10° <b>∡</b> ³31′04	
	13144 Dec 26 18:06	0°る <b>ろ</b>		direct	13145 Dec 05 19:40	10° <b>₹</b> 03'44	
morning max el	13145 Jan 05 01:28	5° <b>る</b> 01'10	20°16'14	morning max el	13145 Dec 18 00:29	15° <b>₹</b> 53'36	21°48'19
asc. node	13145 Jan 07 13:58	7° <b>る</b> 42'21		asc. node	13145 Dec 25 11:07	24° <b>₹</b> 54'14	
	13145 Jan 21 01:56	0° <b>≈</b>			13145 Dec 28 16:59	0°る 19°る28'48	
morning set	13145 Jan 23 10:01	4° <b>≈</b> 44'08		morning set	13146 Jan 07 20:02 13146 Jan 12 19:03	19° <b>⊘</b> 2848	
superior conj	13145 Jan 31 00:57	20° <b>≈</b> 21'20	1°10'49		13140 Jan 12 19.03	0 ~	
minimum elong	13145 Jan 31 03:40	20°≈35'00	1°11'12	superior conj	13146 Jan 14 23:34	4° <b>≈</b> 37'10	1°26'35
minimum ciong	13145 Feb 04 22:34	20 <b>≈</b> 33 00	1 11 12	minimum elong	13146 Jan 15 01:37	4°≈47'56	1°27'17
max. Earth dist.	13145 Feb 05 15:53	1° <b>)</b> 22'41	1.36579 AU	max. Earth dist.	13146 Jan 19 03:55	13°≈13'48	1.34620 AU
evening rise	13145 Feb 09 10:48	8° <b>¥</b> 25'13	1.50577110	evening rise	13146 Jan 23 09:53	21°≈34'30	1.5 1020 110
desc. node	13145 Feb 09 11:22	8° <b>)(</b> 27'48		desc. node	13146 Jan 27 08:01	28°≈52'15	
	13145 Feb 22 06:57	$0^{\circ}\Upsilon$			13146 Jan 27 23:03	0° <b>)</b> €	
evening max el	13145 Mar 16 22:55	29° <b>Ƴ</b> 36'37	25°49'45		13146 Feb 16 02:55	$0^{\circ}\mathbf{\Upsilon}$	
	13145 Mar 17 08:33	$9^{\circ}$ 8		evening max el	13146 Feb 27 12:38	13° <b>Y</b> 20'44	26°48'07
retrograde	13145 Mar 29 11:38	6° <b>8</b> 48'38		retrograde	13146 Mar 12 17:44	20° <b>Ƴ</b> 45′25	
evening set	13145 Apr 04 12:48	4° <b>8</b> 19'36		evening set	13146 Mar 19 04:55	18° <b>Ƴ</b> 13'04	
asc. node	13145 Apr 05 10:49	3° <b>8</b> 30'17		min. Earth dist.	13146 Mar 23 05:15	14° <b>Ƴ</b> 13'19	0.66077 AU
	13145 Apr 08 14:08	30° <b>₹Ƴ</b>		asc. node	13146 Mar 23 08:17	14° <b>Ƴ</b> 04'37	
min. Earth dist.	13145 Apr 08 18:39	29° <b>Y</b> 45′58	0.67413 AU	inferior conj	13146 Mar 25 06:12		0°36'21
inferior conj	13145 Apr 10 07:24		1°28'23	minimum elong	13146 Mar 25 05:15	11° <b>Υ</b> 52'42	0°35'53
minimum elong	13145 Apr 10 05:31		1°27'21	morning rise	13146 Mar 31 06:50	6° <b>Y</b> 12'27	
morning rise	13145 Apr 15 22:52	22° <b>Y</b> 01'07 20° <b>Y</b> 57'35		direct	13146 Apr 03 04:39	5° <b>Y</b> 25'48 8° <b>Y</b> 48'10	10012140
direct morning max el	13145 Apr 19 06:53 13145 Apr 26 00:37	20° <b>γ</b> 3733 24° <b>γ</b> 36'00	18°51'36	morning max el	13146 Apr 09 14:10 13146 Apr 24 13:22	0°8	18°12'49
morning max er	13145 Apr 20 00.37	24 13000 0° <b>と</b>	16 31 30	desc. node	13146 Apr 25 10:16	1° <b>8</b> 23'38	
desc. node	13145 May 08 13:36	11° <b>8</b> 18'22		morning set	13146 Apr 28 20:07	6° <b>8</b> 52'09	
greatest brilliancy	13145 May 09 18:34	13° <b>8</b> 08'18	-0.8m	morning sec	13146 May 13 09:52	0°II	
morning set	13145 May 18 11:01	26° <b>8</b> 33'16					
C	13145 May 20 16:11	$\Pi^{\circ}$		superior conj	13146 May 14 02:43	1° <b>II</b> 06'00	-1°54'45
max. Earth dist.	13145 Jun 02 00:21	19° <b>Ⅱ</b> 13'50	1.45607 AU	minimum elong	13146 May 13 18:03	0° <b>Ⅱ</b> 32'03	1°54'55
				max. Earth dist.	13146 May 15 19:58	3° <b>Ⅱ</b> 47'19	1.45796 AU
superior conj	13145 Jun 03 18:54	22° <b>I</b> I00'30	-2°12'12	evening rise	13146 May 30 04:00	$26^{\circ} \Pi 06' 20$	
minimum elong	13145 Jun 03 16:04	21° <b>Ⅱ</b> 49′23	2°13'08		13146 Jun 01 16:05	0ංම	
	13145 Jun 08 20:41	$0$ $\circ$ $\odot$		greatest brilliancy	13146 Jun 10 12:43	13° <b>©</b> 39'15	-0.7m
evening rise	13145 Jun 18 23:13	16° <b>©</b> 09'28		asc. node	13146 Jun 19 05:49	25° <b>©</b> 59'12	
	13145 Jun 27 13:51	$0$ $\circ$ $\Omega$		evening max el	13146 Jun 22 15:37	29° <b>©</b> 51'39	19°09'33
asc. node	13145 Jul 02 08:50	7° <b>Ω</b> 21'21		_	13146 Jun 22 18:59	0° <b>Ω</b>	
evening max el	13145 Jul 09 05:56	16° <b>Ω</b> 06'43	18°30'06	retrograde	13146 Jun 29 13:31	3° <b>Ω</b> 41'53	
retrograde	13145 Jul 15 17:07	19° <b>Ω</b> 35'46		evening set	13146 Jul 03 01:57	2° <b>£</b> 30′03	
evening set	13145 Jul 18 20:32	18° <b>Ω</b> 40'16	2014/00	inferior coni	13146 Jul 05 20:03	30°Rତ 26°ଦ୍ଧ42'02	3°05'24
inferior conj minimum elong	13145 Jul 24 14:08 13145 Jul 24 16:14	13° <b>Ω</b> 06'38 13° <b>Ω</b> 00'17	2°44'00 2°42'46	inferior conj minimum elong	13146 Jul 08 12:44 13146 Jul 08 13:56	26°938'11	3°05'24 3°04'21
min. Earth dist.	13145 Jul 24 16:14 13145 Jul 26 17:00	13° <b>0</b> 00°17 10° <b>0</b> 34'11	0.65129 AU	min. Earth dist.	13146 Jul 08 13:36 13146 Jul 10 00:59	26°93811 24°9345'03	0.66759 AU
morning rise	13145 Jul 30 10:47	6° <b>Ω</b> 44'44	0.0012) AU	morning rise	13146 Jul 14 01:18	24 \$343 03 20°\$18'09	3.00/37 AU
desc. node	13145 Aug 04 12:34	4° <b>Ω</b> 12'02		direct	13146 Jul 20 04:54	17°938'30	
direct	13145 Aug 05 22:40	4° <b>Ω</b> 04'47		desc. node	13146 Jul 22 09:55	17° <b>©</b> 56'22	
morning max el	13145 Aug 19 10:00	12° <b>Ω</b> 00'35	27°09'32	morning max el	13146 Aug 01 20:55	25°©12'32	26°03'05
=	=			=	=		

	13146 Aug 06 05:27	0° <b>Ω</b>		direct	13147 Jul 03 16:48	1° <b>©</b> 39'55	
	13146 Aug 27 06:35	0° <b>m</b> )		desc. node	13147 Jul 09 07:10	3°934'31	
morning set	13146 Sep 06 20:36	18° Mp 24'16		morning max el	13147 Jul 15 07:07	8°936'57	24°40'16
max. Earth dist.	13146 Sep 10 15:10	25° My 31'57	1.35220 AU	morning max er	13147 Jul 13 07:07 13147 Aug 01 02:32	0°Ω	24 40 10
max. Earm dist.	•	0° <b>⊽</b>	1.33220 AU		13147 Aug 01 02.32 13147 Aug 19 21:01		
1-	13146 Sep 12 22:03	0° <u>ኋ</u> 4° <b>Ω</b> 44'40			U	0° Mp 0° Mp 17'36	
asc. node	13146 Sep 15 06:59	4-24440		morning set	13147 Aug 20 01:02	-	1 27202 ATT
	121466 16 04 02	60.0 21120	0000110	max. Earth dist.	13147 Aug 23 15:00	6° Mp 41'42	1.37383 AU
superior conj	13146 Sep 16 04:02 13146 Sep 16 03:34	6° <b>£</b> 31'30 6° <b>£</b> 29'05	0°08'19 0°08'13	aumariar aani	12147 Aug 20 12:44	100 m 41150	0924117
minimum elong behind sun begin	*		0 08 13	superior conj	13147 Aug 30 12:44	19° Mp 41'59 19° Mp 49'52	
	13146 Sep 15 22:19	6° <b>♀</b> 02'25 6° <b>♀</b> 55'49		minimum elong	13147 Aug 30 14:22	•	0 24 10
behind sun end	13146 Sep 16 08:48	22° <b>£</b> 27'48		asc. node	13147 Sep 02 03:34	24° Mp 50'18 0° <u>₽</u>	
evening rise	13146 Sep 23 20:42	0°M			13147 Sep 04 17:42	0 <u>₽</u> 6° <b>₽</b> 33'23	
	13146 Sep 27 13:39		20021112	evening rise	13147 Sep 08 00:07	0 <b>=</b> 233 23 0°M	
evening max el	13146 Oct 12 07:16	22°M52'12	20°31°12		13147 Sep 21 06:44		10022122
desc. node	13146 Oct 18 06:12	27°M13'02 28°M23'36		evening max el	13147 Sep 24 19:48	8°M53'08	19°22'32
retrograde	13146 Oct 23 10:03 13146 Oct 25 14:54	28°M11'34		retrograde desc. node	13147 Oct 04 06:37	8°M50'51	
evening set			49.40100		13147 Oct 05 03:38		
inferior conj	13146 Nov 03 14:44	24°M16'24		evening set	13147 Oct 06 03:14	8°M42'58 4°M34'52	2050150
minimum elong	13146 Nov 03 04:41	24°M30'58	4°38'44	inferior conj	13147 Oct 14 18:33	4°11L34'32 4°11L47'26	
min. Earth dist.	13146 Nov 04 21:03	23°M32'27 20°M16'59	0.54682 AU	minimum elong min. Earth dist.	13147 Oct 14 10:50	2°M56'13	0.55681 AU
morning rise	13146 Nov 11 18:06	19°ML34'38			13147 Oct 17 07:12	0°ML05'10	0.55081 AU
direct	13146 Nov 16 04:35	26°ML04'35	22925107	morning rise	13147 Oct 22 16:08		
morning max el	13146 Nov 29 12:46	26°11604°33	23°33'07	direct	13147 Oct 22 21:35 13147 Oct 27 22:51	30° <b>₹</b> Ω 29° <b>Ω</b> 02'10	
asc. node	13146 Dec 03 05:49 13146 Dec 12 08:10	0 <b>x</b> . 12° <b>x</b> 759′27		direct	13147 Oct 27 22.31 13147 Nov 01 23:25	0°M	
asc. node		12 <b>x</b> ・3927		morning max el		6°ML05'17	25°21'26
morning set	13146 Dec 21 07:26 13146 Dec 23 07:46	0 る 4° <b>る</b> 14'53		morning max er	13147 Nov 10 22:56 13147 Nov 28 05:54	0° <b>√</b>	23 21 20
morning set	13140 Dec 23 07.40	4 01433		asc. node	13147 Nov 29 05:06	1° <b>х</b> ¹44'53	
superior conj	13146 Dec 30 04:45	19° <b>ろ</b> 09'18	1°35'37	morning set	13147 Nov 29 03:00 13147 Dec 07 19:28	18° <b>х</b> 57'34	
minimum elong	13146 Dec 30 05:47	19°る14'54	1°36'32	morning set	13147 Dec 17 17:28	0°る	
max. Earth dist.	13147 Jan 01 23:51	25° <b>る</b> 08'49	1.33054 AU		1314/ DCC 12 20.24	υ <b>Ο</b>	
max. Darm dist.	13147 Jan 04 07:31	0°≈	1.5505 1710	superior conj	13147 Dec 14 14:05	3°₹50'43	1°38'19
evening rise	13147 Jan 06 21:26	5° <b>≈</b> 14'31		minimum elong	13147 Dec 14 14:01	3° <b>ප</b> 50'18	1°39'20
desc. node	13147 Jan 14 04:44	19° <b>≈</b> 03'43		max. Earth dist.	13147 Dec 16 03:03	7° <b>ਰ</b> 14'17	1.31950 AU
	13147 Jan 20 15:29	0° <b>)</b> €		evening rise	13147 Dec 21 18:20	19° <b>ට</b> 17'26	
evening max el	13147 Feb 10 01:53	26° <b>) (</b> 47'43	27°24'32	C	13147 Dec 27 03:44	0° <b>≈</b>	
•	13147 Feb 13 18:22	$0^{\circ}$ Y		desc. node	13148 Jan 01 01:33	8° <b>≈</b> 56'15	
retrograde	13147 Feb 23 17:16	4° <b>Υ</b> 14'14			13148 Jan 14 22:02	0° <b>∀</b>	
evening set	13147 Mar 02 12:03	1° <b>Y</b> 44'45		evening max el	13148 Jan 23 12:35	9° <b>)</b> 44′28	27°32'19
	13147 Mar 04 14:11	30° <b>₹</b> ₩		retrograde	13148 Feb 06 09:17	17° <b>)</b> €06'07	
min. Earth dist.	13147 Mar 06 08:11	28° <b>¥</b> 16′36	0.64386 AU	evening set	13148 Feb 13 07:34	14° <b>)</b> 46′45	
inferior conj	13147 Mar 08 20:46	25° <b>∺</b> 35′20	-0°26'47	min. Earth dist.	13148 Feb 17 01:35	11° <b>)</b> 45′48	0.62407 AU
minimum elong	13147 Mar 08 21:34	25° <b>)</b> 33′10	0°26'16	inferior conj	13148 Feb 20 00:04	8° <b>)</b> ₹58'33	-1°40'22
asc. node	13147 Mar 10 05:46	24° <b>)</b> €08'48		minimum elong	13148 Feb 20 03:29	8° <b>¥</b> 50′25	1°38'31
morning rise	13147 Mar 15 09:04	20° <b>)</b> 11′36		asc. node	13148 Feb 25 03:10	4° <b>)</b> 46′45	
direct	13147 Mar 17 22:09	19° <b>∺</b> 38′27		morning rise	13148 Feb 27 02:04	3° <b>∺</b> 51'39	
morning max el	13147 Mar 24 07:12	22° <b>¥</b> 56′16	17°51'07	direct	13148 Feb 29 08:13	3° <b>¥</b> 28′25	
	13147 Mar 29 22:49	0° <b>Υ</b>		morning max el	13148 Mar 07 00:45	6° <b>¥</b> 52'17	17°47'01
morning set	13147 Apr 10 09:35	18° <b>Ƴ</b> 33'36			13148 Mar 22 03:59	0° <b>Υ</b>	
desc. node	13147 Apr 12 06:50	21° <b>Y</b> 43'13		morning set	13148 Mar 22 22:44	1° <b>Y</b> 22'37	
	13147 Apr 17 06:27	$_{0}$ 8		desc. node	13148 Mar 29 03:23	12° <b>Y</b> 12'44	
annoni	12147 4 22 21 25	100 4 4 4 4	1921/25	aumania '	12140 4 02 14 26	2100020110	0041120
superior conj	13147 Apr 23 21:25	10° <b>8</b> 46'04		superior conj	13148 Apr 03 14:26	21° <b>Υ</b> 30'18	
minimum elong max. Earth dist.	13147 Apr 23 13:14	10° <b>8</b> 13'13	1.45244 AU	minimum elong	13148 Apr 03 10:22	21° <b>Y</b> 13'12 0° <b>႘</b>	0-41-18
max. Earm dist.	13147 Apr 28 15:47 13147 May 06 03:08	18 <b>3</b> 2043 0° <b>Ⅱ</b>	1.43244 AU	max. Earth dist.	13148 Apr 08 18:05 13148 Apr 10 09:08	2° <b>8</b> 37'48	1.44010 AU
evening rise	13147 May 00 03:08 13147 May 09 17:15	5° <b>Ⅱ</b> 31'02		evening rise	13148 Apr 18 06:26	15° <b>8</b> 04'00	1.44010 AC
greatest brilliancy	13147 May 09 17:13 13147 May 24 17:42	28° <b>Ⅱ</b> 02'41	-0.6m	Croning Hac	13148 Apr 18 00:20	0°Ⅱ	
greatest oriniancy	13147 May 24 17.42 13147 May 26 02:19	28 <b>п</b> 0241 0° <b>©</b>	0.0111	evening max el	13148 May 18 18:23	27° <b>II</b> 27'02	21°12'59
evening max el	13147 Jun 05 19:58	13° <b>©</b> 39'12	20°04'43	Croning max of	13148 May 21 14:21	0°95	21 14 <i>3)</i>
asc. node	13147 Jun 06 02:53	13°956'22	20 0173	asc. node	13148 May 23 00:01	0°959'50	
retrograde	13147 Jun 13 12:05	18°902'04		retrograde	13148 May 27 10:49	2°931'02	
evening set	13147 Jun 17 10:11	16°933'23		evening set	13148 May 31 19:16	0°945'50	
inferior conj	13147 Jun 22 17:16	10° <b>©</b> 32'11	3°12'58	<b>3</b>	13148 Jun 01 15:50	30°RⅡ	
minimum elong	13147 Jun 22 17:24	10° <b>©</b> 31'43	3°11'58	inferior conj	13148 Jun 06 01:17		3°08'41
min. Earth dist.	13147 Jun 23 15:09	9° <b>©</b> 17'56	0.67945 AU	minimum elong	13148 Jun 06 00:27	24° <b>Ⅱ</b> 35'54	3°07'37
morning rise	13147 Jun 28 00:17	4° <b>©</b> 10'29		min. Earth dist.	13148 Jun 06 09:34	24° <b>Ⅱ</b> 04'14	0.68659 AU

morning rise	13148 Jun 11 05:27	18° <b>Ⅱ</b> 15'54		morning rise	13149 May 26 14:43	2° <b>Ⅱ</b> 30′13	
direct	13148 Jun 16 09:24	16° <b>Ⅱ</b> 00'47		direct	13149 May 31 05:43	0° <b>Ⅲ</b> 34'21	
desc. node	13148 Jun 25 04:20	20° <b>Ⅱ</b> 39'30		morning max el	13149 Jun 09 07:25	5° <b>Ⅱ</b> 51'23	21°43'32
morning max el	13148 Jun 26 17:44	22° <b>Ⅱ</b> 09'43	23°10'46	desc. node	13149 Jun 12 01:23	8° <b>∏</b> 48'44	
	13148 Jul 03 13:22	$0$ $\circ$ $\odot$			13149 Jun 27 19:22	$0$ $\circ$ $\odot$	
	13148 Jul 24 09:38	$0^{\circ}\Omega$		morning set	13149 Jul 11 12:45	20° <b>©</b> 59'06	
morning set	13148 Jul 31 07:27	11° <b>Ω</b> 11'22			13149 Jul 17 02:25	$0^{\circ}\Omega$	
max. Earth dist.	13148 Aug 04 13:04	18° <b>Ω</b> 22'01	1.39722 AU	max. Earth dist.	13149 Jul 17 14:55	0° <b>£</b> 51′36	1.41965 AU
	13148 Aug 11 02:20	0° m/					
	•	-		superior conj	13149 Jul 25 05:45	13° <b>Ω</b> 47'22	-1°32'40
superior conj	13148 Aug 12 06:46	2° Mp 10'22	-0°59'05	minimum elong	13149 Jul 25 12:26	14° <b>Ω</b> 16'33	1°32'38
minimum elong	13148 Aug 12 11:05	2°m/30'18		Ü	13149 Aug 03 06:53	0° <b>m</b> )	
asc. node	13148 Aug 19 00:09	14° <b>m</b> 51'07		evening rise	13149 Aug 05 03:48	3° m/25'48	
evening rise	13148 Aug 21 19:44	20° m 15'50		asc. node	13149 Aug 05 20:47	4° mp 43'37	
evening rise	13148 Aug 26 23:23	0° <b>⊽</b>		evening max el	13149 Aug 21 05:51	28° <b>m</b> ) 55'45	18°09'45
evening max el	13148 Sep 06 20:37	0 <b>—</b> 16° <b>Ω</b> 13'19	18°35'42	evening max er	13149 Aug 22 09:51	ე° <u>ი</u>	10 07 43
retrograde	13148 Sep 14 21:21	20° <b>⊆</b> 16'07	10 33 42	retrograde	13149 Aug 28 06:39	ა <b>_</b> 2° <b>ჲ</b> 30'41	
evening set	13148 Sep 16 20:21	20° <b>⊆</b> 1007 20° <b>⊆</b> 02'27		evening set	13149 Aug 30 12:35	2° <b>⊆</b> 09'14	
desc. node		20 <b>⊆</b> 02 27 18° <b>⊆</b> 12'33		evening set	13149 Aug 30 12:33	2 ==0914 30°R, m)	
	13148 Sep 21 01:09		1010146	::	1	עוואָ 30 אָן אָן 30 27° אָן 21'06	0022115
inferior conj	13148 Sep 24 18:38	15° <b>Ω</b> 34'50		inferior conj	13149 Sep 06 16:21	-	0°23'15
minimum elong	13148 Sep 24 15:47	15° <b>Ω</b> 40'15	1°09'26	minimum elong	13149 Sep 06 17:07	27° m) 19'24	0°22'48
min. Earth dist.	13148 Sep 27 23:16	13° <b>Ω</b> 09'42	0.57409 AU	desc. node	13149 Sep 07 22:41	26° m 13'18	
morning rise	13148 Oct 02 07:45	10° <b>≏</b> 27'11		min. Earth dist.	13149 Sep 09 23:19	24° TD 26'56	0.59574 AU
direct	13148 Oct 08 07:11	8° <b>≏</b> 57'59		morning rise	13149 Sep 13 18:19	21° <b>m</b> 40'09	
morning max el	13148 Oct 22 14:18	16° <b>≏</b> 27'58	26°48'42	direct	13149 Sep 20 05:21	19° <b>m</b> 43'05	
	13148 Nov 02 16:32	$0^{\circ}$ M		morning max el	13149 Oct 04 13:15	27° <b>m</b> 32'34	27°42'49
asc. node	13148 Nov 15 01:56	20°M59'21			13149 Oct 06 22:07	0∘ <b>⊽</b>	
	13148 Nov 19 13:23	0° <b>∡</b>			13149 Oct 27 09:24	$0^{\circ}$ M	
morning set	13148 Nov 21 05:18	3° <b>∡</b> ³31′00		asc. node	13149 Nov 01 22:41	10° <b>™</b> 35′06	
				morning set	13149 Nov 05 11:34	17° <b>M</b> 50'54	
superior conj	13148 Nov 28 01:25	18° <b>∡</b> ³34'17	1°35'02		13149 Nov 11 01:53	0° <b>∡</b> 7	
minimum elong	13148 Nov 28 00:19	18° <b>≯</b> ′28'13	1°35'56	max. Earth dist.	13149 Nov 11 18:56	1° <b>х</b> 34′46	1.31248 AU
max. Earth dist.	13148 Nov 28 10:33	19° <b>∡</b> ¹25'16	1.31342 AU				
	13148 Dec 03 05:39	8°0		superior conj	13149 Nov 12 12:55	3° <b>∡</b> 14'58	1°25'58
evening rise	13148 Dec 04 21:52	3° <b>る</b> 35'24		minimum elong	13149 Nov 12 11:03	3° <b>∡</b> ¹04'36	1°26'38
desc. node	13148 Dec 17 22:28	28° <b>පි</b> 21'10		evening rise	13149 Nov 19 05:53	18° <b>∡</b> 03'27	
	13148 Dec 18 22:28	0° <b>≈</b>		•	13149 Nov 25 01:05	0°రె	
evening max el	13149 Jan 04 18:00	21°≈57'10	27°06'41	desc. node	13149 Dec 04 19:31	17° <b>る</b> 08'07	
retrograde	13149 Jan 18 16:53	29° <b>≈</b> 10'57			13149 Dec 14 10:50	0° <b>≈</b>	
evening set	13149 Jan 25 12:11	27° <b>≈</b> 09'57		evening max el	13149 Dec 17 15:57	3° <b>≈</b> 18'38	26°06'52
min. Earth dist.	13149 Jan 29 08:22	24° <b>≈</b> 27'52	0.60251 AU	retrograde	13149 Dec 31 14:31	10° <b>≈</b> 22'44	
inferior conj	13149 Feb 01 12:35	21° <b>≈</b> 49'19		evening set	13150 Jan 06 21:54	8°≈48'07	
minimum elong	13149 Feb 01 19:04	21° <b>≈</b> 35'47		min. Earth dist.	13150 Jan 11 05:08	6°≈11'45	0.58115 AU
morning rise	13149 Feb 09 05:01	17°≈02'22	2 3031	inferior conj	13150 Jan 14 06:49	3°≈58'34	
direct	13149 Feb 11 06:48	16°≈45'31		minimum elong	13150 Jan 14 15:27	3°≈42'55	
asc. node	13149 Feb 11 00:48	16°≈45'47		minimum clong	13150 Jan 20 23:53	30°Rる	4 1927
		10 ≈4347 20°≈25'53	10001121	marning rise		30 KO 29°る33'20	
morning max el	13149 Feb 18 15:24		18°01'31	morning rise	13150 Jan 22 11:54		
	13149 Feb 25 18:49	0° <b>)</b> 14° <b>¥</b> 50!24		direct	13150 Jan 24 13:36	29° <b>る</b> 19'17	
morning set	13149 Mar 06 05:18	14° <b>)</b> €59'24			13150 Jan 27 23:53	0° <b>≈</b>	
	13149 Mar 14 10:12	0°Υ ••••••		asc. node	13150 Jan 28 21:55	0°≈25'00	
desc. node	13149 Mar 15 23:53	2° <b>Y</b> 47'39		morning max el	13150 Feb 01 23:17	3° <b>≈</b> 26′22	18°36'10
		••		morning set	13150 Feb 18 00:01	29° <b>≈</b> 08'27	
superior conj	13149 Mar 16 07:32	3° <b>Y</b> ′21′28			13150 Feb 18 10:41	0° <b>∀</b>	
minimum elong	13149 Mar 16 07:20	3° <b>Y</b> 20'33	0°02'28				
behind sun begin	13149 Mar 15 23:31	2° <b>Y</b> 45'59		superior conj	13150 Feb 26 21:16	16° <b>∺</b> 09'00	0°31'27
behind sun end	13149 Mar 16 15:09	3° <b>Y</b> 55′03		minimum elong	13150 Feb 26 23:19	16° <b>)</b> 18′34	0°31'28
max. Earth dist.	13149 Mar 23 21:43	16° <b>Ƴ</b> 21'43	1.42219 AU	desc. node	13150 Mar 02 20:23	23° <b>)</b> €24′26	
evening rise	13149 Mar 29 09:23	25° <b>Y</b> 17'49		max. Earth dist.	13150 Mar 06 05:41	29° <b>¥</b> 23′52	1.40080 AU
	13149 Apr 01 08:49	$0^{\circ}$ 8			13150 Mar 06 14:01	$0^{\circ}$ Y	
	13149 Apr 22 00:12	$\Pi^{\circ}0$		evening rise	13150 Mar 10 08:54	6° <b>Y</b> 26'47	
evening max el	13149 May 01 11:50	11° <b>Ⅱ</b> 15'44	22°30'24		13150 Mar 25 10:43	$9^{\circ}$ 8	
asc. node	13149 May 09 21:13	16° <b>Ⅲ</b> 54'11		evening max el	13150 Apr 14 02:21	25° <b>8</b> 06'47	23°51'25
retrograde	13149 May 11 08:04	17° <b>Ⅱ</b> 03'55			13150 Apr 20 02:36	0°II	
evening set	13149 May 16 03:32	15° <b>Ⅱ</b> 03′24		retrograde	13150 Apr 25 02:25	1° <b>Ⅱ</b> 34'57	
inferior conj	13149 May 21 10:48	8° <b>Ⅱ</b> 41'11	2°53'46	asc. node	13150 Apr 26 18:33	1° <b>Ⅱ</b> 22'17	
minimum elong	13149 May 21 09:11	8° <b>Ⅱ</b> 46'47			13150 Apr 29 13:48	30°R₩	
min. Earth dist.	13149 May 21 06:08		0.68895 AU	evening set	13150 Apr 30 09:24	29° <b>8</b> 21'08	
	21.5.1m, 21 00.00				p. 50 07.27		

min. Earth dist.	13150 May 05 02:42	23° <b>8</b> 51'14	0.68671 AU	minimum elong	13151 Apr 20 00:29	7° <b>8</b> 10'37	1°52'16
inferior conj	13150 May 05 19:52	22° <b>8</b> 52'39	2°28'41	morning rise	13151 Apr 25 13:57	1° <b>8</b> 08'59	
minimum elong	13150 May 05 17:47	22° <b>8</b> 59'44	2°27'26		13151 Apr 28 04:18	30° <b>ŖƳ</b>	
morning rise	13150 May 11 02:10	16° <b>8</b> 49'08		direct	13151 Apr 29 04:28	29° <b>Y</b> 54'16	
direct	13150 May 15 04:35	15° <b>8</b> 14'01			13151 Apr 30 05:03	$0^{\circ}S$	
morning max el	13150 May 23 03:04	19° <b>8</b> 43'43	20°25'33	morning max el	13151 May 06 06:20	3° <b>8</b> 47'24	19°21'20
desc. node	13150 May 29 22:19	27° <b>8</b> 44'30		desc. node	13151 May 16 19:07	17° <b>8</b> 14'19	
	13150 May 31 14:50	$\Pi$ °0		greatest brilliancy	13151 May 19 00:02	20° <b>8</b> 28'10	-0.7m
morning set	13150 Jun 20 20:15	29° <b>Ⅱ</b> 50′50			13151 May 25 08:00	$\Pi$ °0	
	13150 Jun 20 22:37	$0$ $\circ$		morning set	13151 May 30 22:02	8° <b>Ⅲ</b> 33'17	
max. Earth dist.	13150 Jun 29 23:23	14°9512'47	1.43855 AU	max. Earth dist.	13151 Jun 12 14:26		1.45175 AU
					13151 Jun 13 16:41	$0$ $\circ$	
superior conj	13150 Jul 06 05:47	24° <b>©</b> 24'57					
minimum elong	13150 Jul 06 12:23	24°952'14	2°00'09	superior conj	13151 Jun 16 06:40	4° <b>©</b> 05'28	
	13150 Jul 09 14:08	0°N		minimum elong	13151 Jun 16 08:20	4°9512'07	2°14'03
evening rise	13150 Jul 18 19:36	15° <b>Ω</b> 51'03		evening rise	13151 Jun 30 14:09	27° <b>©</b> 20'47	
asc. node	13150 Jul 23 17:30	24° <b>Ω</b> 23'00		,	13151 Jul 02 04:34	0°N	
	13150 Jul 27 01:24	0° m)	10002112	asc. node	13151 Jul 10 14:19	13°Ω44'17 25°Ω35'55	10015107
evening max el	13150 Aug 04 19:22	•	18°03'13	evening max el	13151 Jul 19 09:38		18°15'07
retrograde	13150 Aug 11 07:01	15° M) 27'35		retrograde	13151 Jul 25 18:12	28° <b>Ω</b> 58'04	
evening set	13150 Aug 13 21:09	14° Mp 54'45	1°34'44	evening set	13151 Jul 28 16:47	28°Ω11'12 22°Ω46'26	2024112
inferior conj minimum elong	13150 Aug 20 08:45 13150 Aug 20 11:06	9° my 47'22 9° my 41'23	1°33'32	inferior conj minimum elong	13151 Aug 03 15:51 13151 Aug 03 18:18	$22^{\circ} \Omega 39'27$	
min. Earth dist.	13150 Aug 20 11.00 13150 Aug 23 08:19	6° M) 46'23	0.61869 AU	min. Earth dist.	13151 Aug 05 18.18 13151 Aug 06 02:49	$19^{\circ}\Omega 59'10$	0.64031 AU
desc. node	13150 Aug 25 08:19	4° m) 32'38	0.01809 AU	morning rise	13151 Aug 00 02:49	$16^{\circ}\Omega 28'49$	0.04031 AU
morning rise	13150 Aug 26 22:34	3° m 43'10		desc. node	13151 Aug 05 16:17 13151 Aug 12 17:41	14° <b>Ω</b> 39'36	
direct	13150 Sep 02 14:48	1° m) 22'38		direct	13151 Aug 16 09:15	$13^{\circ}\Omega 53'20$	
morning max el	13150 Sep	9° m) 22'33	27°58'13	morning max el	13151 Aug 30 04:07	21°Ω53'22	27°36'28
morning max or	13150 Oct 02 18:26	0∘ <mark>ರ</mark>	27 30 13	morning max or	13151 Sep 06 06:28	0° m)	27 30 20
asc. node	13150 Oct 19 19:22	0°M25'17			13151 Sep 25 23:13	0∘ <del>⊽</del>	
use. Houe	13150 Oct 19 14:24	0°M		morning set	13151 Oct 04 04:55	ა — 15° <b>ჲ</b> 27'12	
morning set	13150 Oct 20 12:14	1°M51'30		asc. node	13151 Oct 06 16:01	20° <b>£</b> 25'04	
max. Earth dist.	13150 Oct 26 00:23	13° <b>M</b> 32'47	1.31680 AU	max. Earth dist.	13151 Oct 08 23:21	25° <b>≏</b> 11'56	1.32651 AU
					13151 Oct 11 05:39	0° <b>M</b> .	
superior conj	13150 Oct 27 22:42	17° <b>M</b> 46'49	1°11'13				
superior conj minimum elong	13150 Oct 27 22:42 13150 Oct 27 20:27	17°M46'49 17°M34'25	1°11'13 1°11'34	superior conj	13151 Oct 12 04:48	2°M04'20	0°50'55
				superior conj minimum elong	13151 Oct 12 04:48 13151 Oct 12 02:41	2°M04'20 1°M52'56	0°50'55 0°50'58
	13150 Oct 27 20:27	17° <b>M</b> .34'25 0° <b>⊀'</b> 2° <b>⊀'</b> 35'53					
minimum elong	13150 Oct 27 20:27 13150 Nov 02 11:41	17° <b>M</b> 34'25 0° <b>√</b>		minimum elong	13151 Oct 12 02:41	1°M52'56	
minimum elong evening rise desc. node	13150 Oct 27 20:27 13150 Nov 02 11:41 13150 Nov 03 16:25	17°M34'25 0°ダ 2°ダ35'53 0°る 5°る02'28	1°11'34	minimum elong evening rise desc. node	13151 Oct 12 02:41 13151 Oct 19 03:37	1° M 52'56 17° M 07'52 0° \$\textstyle{x}\$ 44'08	0°50'58
minimum elong evening rise  desc. node evening max el	13150 Oct 27 20:27 13150 Nov 02 11:41 13150 Nov 03 16:25 13150 Nov 18 05:46	17°M34'25 0°メ 2°メ35'53 0°उ 5°उ02'28 13°उ5'1'14	1°11'34	minimum elong evening rise	13151 Oct 12 02:41 13151 Oct 19 03:37 13151 Oct 25 10:27 13151 Nov 08 13:58 13151 Nov 10 15:55	1°M.52'56 17°M.07'52 0°⊀' 21°⊀'44'08 23°⊀'54'01	0°50'58
minimum elong evening rise  desc. node evening max el retrograde	13150 Oct 27 20:27 13150 Nov 02 11:41 13150 Nov 03 16:25 13150 Nov 18 05:46 13150 Nov 21 16:41 13150 Nov 29 05:55 13150 Dec 12 23:50	17°M34'25 0°ダ 2°ダ35'53 0°℧ 5°℧02'28 13°℧51'14 20°℧43'08	1°11'34	minimum elong evening rise desc. node evening max el	13151 Oct 12 02:41 13151 Oct 19 03:37 13151 Oct 25 10:27 13151 Nov 08 13:58 13151 Nov 10 15:55 13151 Nov 20 10:19	1°M52'56 17°M07'52 0° ₹ 21° ₹44'08 23° ₹54'01 0° ₹	0°50'58
minimum elong evening rise  desc. node evening max el retrograde evening set	13150 Oct 27 20:27 13150 Nov 02 11:41 13150 Nov 03 16:25 13150 Nov 18 05:46 13150 Nov 21 16:41 13150 Nov 29 05:55 13150 Dec 12 23:50 13150 Dec 18 08:37	17°™34'25 0°҂ 2°҂35'53 0°℧ 5°℧02'28 13°℧51'14 20°℧43'08 19°℧39'27	1°11'34 24°39'06	minimum elong evening rise desc. node	13151 Oct 12 02:41 13151 Oct 19 03:37 13151 Oct 25 10:27 13151 Nov 08 13:58 13151 Nov 10 15:55 13151 Nov 20 10:19 13151 Nov 23 19:57	1°肌52'56 17°肌07'52 0°メ 21°メ44'08 23°メ54'01 0°る 0°る26'31	0°50'58
minimum elong evening rise  desc. node evening max el retrograde evening set min. Earth dist.	13150 Oct 27 20:27 13150 Nov 02 11:41 13150 Nov 03 16:25 13150 Nov 18 05:46 13150 Nov 21 16:41 13150 Nov 29 05:55 13150 Dec 12 23:50 13150 Dec 18 08:37 13150 Dec 23 17:42	17°™34'25 0°҂ 2°҂35'53 0°♂ 5°♂02'28 13°♂51'14 20°♂43'08 19°♂39'27 16°♂51'49	1°11'34 24°39'06 0.56256 AU	minimum elong evening rise desc. node evening max el retrograde	13151 Oct 12 02:41 13151 Oct 19 03:37 13151 Oct 25 10:27 13151 Nov 08 13:58 13151 Nov 10 15:55 13151 Nov 20 10:19 13151 Nov 23 19:57 13151 Nov 27 07:29	1°肌52'56 17°肌07'52 0°メ 21°メ44'08 23°メ54'01 0°る 0°る26'31 30°Rメ	0°50'58
minimum elong evening rise  desc. node evening max el retrograde evening set min. Earth dist. inferior conj	13150 Oct 27 20:27 13150 Nov 02 11:41 13150 Nov 03 16:25 13150 Nov 18 05:46 13150 Nov 21 16:41 13150 Nov 29 05:55 13150 Dec 12 23:50 13150 Dec 18 08:37 13150 Dec 23 17:42 13150 Dec 26 04:30	17°™34'25 0°♂ 2°♂35'53 0°♂ 5°♂02'28 13°♂51'14 20°♂43'08 19°♂39'27 16°♂51'49 15°♂19'05	1°11'34 24°39'06 0.56256 AU -5°28'35	minimum elong evening rise  desc. node evening max el retrograde evening set	13151 Oct 12 02:41 13151 Oct 19 03:37 13151 Oct 25 10:27 13151 Nov 08 13:58 13151 Nov 10 15:55 13151 Nov 20 10:19 13151 Nov 23 19:57 13151 Nov 27 07:29 13151 Nov 27 20:42	1°M52'56 17°M07'52 0°ダ 21°ダ44'08 23°ダ54'01 0°उ 0°उ26'31 30°Rダ 29°ダ51'12	0°50'58 22°57'31
minimum elong evening rise  desc. node evening max el retrograde evening set min. Earth dist. inferior conj minimum elong	13150 Oct 27 20:27 13150 Nov 02 11:41 13150 Nov 03 16:25 13150 Nov 18 05:46 13150 Nov 21 16:41 13150 Nov 29 05:55 13150 Dec 12 23:50 13150 Dec 18 08:37 13150 Dec 23 17:42 13150 Dec 26 04:30 13150 Dec 26 11:36	17° M 34'25 0° ₹ 2° ₹ 35'53 0° ₹ 5° ₹ 02'28 13° ₹ 51'14 20° ₹ 43'08 19° ₹ 39'27 16° ₹ 51'49 15° ₹ 19'05 15° ₹ 07'51	1°11'34 24°39'06 0.56256 AU -5°28'35	minimum elong evening rise  desc. node evening max el retrograde evening set min. Earth dist.	13151 Oct 12 02:41 13151 Oct 19 03:37 13151 Oct 25 10:27 13151 Nov 08 13:58 13151 Nov 10 15:55 13151 Nov 20 10:19 13151 Nov 27 19:57 13151 Nov 27 07:29 13151 Nov 27 20:42 13151 Dec 05 00:56	1°M52'56 17°M07'52 0°ダ 21°ダ44'08 23°ダ54'01 0°♂ 0°♂26'31 30°Rダ 29°ダ51'12 26°ダ33'35	0°50'58 22°57'31 0.54970 AU
minimum elong evening rise  desc. node evening max el retrograde evening set min. Earth dist. inferior conj minimum elong morning rise	13150 Oct 27 20:27 13150 Nov 02 11:41 13150 Nov 03 16:25 13150 Nov 18 05:46 13150 Nov 21 16:41 13150 Nov 29 05:55 13150 Dec 12 23:50 13150 Dec 18 08:37 13150 Dec 26 04:30 13150 Dec 26 11:36 13151 Jan 03 16:39	17° M34'25 0° ₹ 2° ₹35'53 0° ₹ 5° ₹02'28 13° ₹51'14 20° ₹43'08 19° ₹39'27 16° ₹51'49 15° ₹19'05 15° ₹07'51 11° ₹14'51	1°11'34 24°39'06 0.56256 AU -5°28'35	minimum elong evening rise  desc. node evening max el retrograde evening set min. Earth dist. inferior conj	13151 Oct 12 02:41 13151 Oct 19 03:37 13151 Oct 25 10:27 13151 Nov 08 13:58 13151 Nov 10 15:55 13151 Nov 20 10:19 13151 Nov 23 19:57 13151 Nov 27 07:29 13151 Nov 27 20:42 13151 Dec 05 00:56 13151 Dec 06 06:58	1°M52'56 17°M07'52 0°ダ 21°ダ44'08 23°ダ54'01 0°♂ 0°♂26'31 30°Rダ 29°ダ51'12 26°ダ33'35 25°ダ50'40	0°50'58 22°57'31 0.54970 AU -5°55'50
minimum elong evening rise  desc. node evening max el retrograde evening set min. Earth dist. inferior conj minimum elong morning rise direct	13150 Oct 27 20:27 13150 Nov 02 11:41 13150 Nov 03 16:25 13150 Nov 18 05:46 13150 Nov 21 16:41 13150 Nov 29 05:55 13150 Dec 12 23:50 13150 Dec 18 08:37 13150 Dec 26 04:30 13150 Dec 26 11:36 13151 Jan 03 16:39 13151 Jan 06 01:34	17° M 34'25 0° ₹ 2° ₹ 35'53 0° ♂ 5° ♂ 02'28 13° ♂ 51'14 20° ♂ 43'08 19° ♂ 39'27 16° ♂ 51'49 15° ♂ 19'05 15° ♂ 07'51 11° ♂ 14'51 10° ♂ 59'31	1°11'34 24°39'06 0.56256 AU -5°28'35	minimum elong evening rise  desc. node evening max el retrograde  evening set min. Earth dist. inferior conj minimum elong	13151 Oct 12 02:41 13151 Oct 19 03:37 13151 Oct 25 10:27 13151 Nov 08 13:58 13151 Nov 10 15:55 13151 Nov 20 10:19 13151 Nov 27 19:57 13151 Nov 27 07:29 13151 Nov 27 20:42 13151 Dec 05 00:56 13151 Dec 06 06:58 13151 Dec 06 06:53	1°M52'56 17°M07'52 0°ズ 21°ズ44'08 23°ズ54'01 0°云 0°云26'31 30°Rズ 29°ズ51'12 26°ズ33'35 25°ズ50'40 25°ズ50'47	0°50'58 22°57'31 0.54970 AU -5°55'50
minimum elong evening rise  desc. node evening max el retrograde evening set min. Earth dist. inferior conj minimum elong morning rise direct asc. node	13150 Oct 27 20:27 13150 Nov 02 11:41 13150 Nov 03 16:25 13150 Nov 18 05:46 13150 Nov 21 16:41 13150 Nov 29 05:55 13150 Dec 12 23:50 13150 Dec 18 08:37 13150 Dec 23 17:42 13150 Dec 26 04:30 13150 Dec 26 11:36 13151 Jan 03 16:39 13151 Jan 06 01:34 13151 Jan 15 19:13	17°M34'25 0°ズ 2°ズ35'53 0°で 5°で02'28 13°で51'14 20°で43'08 19°で39'27 16°で51'49 15°で19'05 15°で07'51 11°で14'51 10°で559'31 15°で39'38	1°11'34 24°39'06 0.56256 AU -5°28'35 5°26'25	minimum elong evening rise  desc. node evening max el  retrograde  evening set min. Earth dist. inferior conj minimum elong morning rise	13151 Oct 12 02:41 13151 Oct 19 03:37 13151 Oct 25 10:27 13151 Nov 08 13:58 13151 Nov 10 15:55 13151 Nov 20 10:19 13151 Nov 27 19:57 13151 Nov 27 07:29 13151 Dec 05 00:56 13151 Dec 06 06:58 13151 Dec 06 06:53 13151 Dec 14 18:33	1°Mよ2'56 17°M07'52 0°ズ 21°ズ44'08 23°ズ54'01 0°云 0°云26'31 30°Rズ 29°ズ51'12 26°ズ33'35 25°ズ50'40 25°ズ50'47 22°ズ01'38	0°50'58 22°57'31 0.54970 AU -5°55'50
minimum elong evening rise  desc. node evening max el retrograde evening set min. Earth dist. inferior conj minimum elong morning rise direct	13150 Oct 27 20:27 13150 Nov 02 11:41 13150 Nov 03 16:25 13150 Nov 18 05:46 13150 Nov 21 16:41 13150 Nov 29 05:55 13150 Dec 12 23:50 13150 Dec 18 08:37 13150 Dec 23 17:42 13150 Dec 26 04:30 13150 Dec 26 11:36 13151 Jan 03 16:39 13151 Jan 06 01:34 13151 Jan 15 19:13 13151 Jan 15 20:21	17° M 34'25 0° ズ 2° ズ 35'53 0° 云 5° 云 02'28 13° 云 51'14 20° 云 43'08 19° 云 39'27 16° 云 51'49 15° 云 19'05 15° 云 07'51 11° 云 14'51 10° 云 59'31 15° 云 39'38 15° 云 42'22	1°11'34 24°39'06 0.56256 AU -5°28'35 5°26'25	minimum elong evening rise  desc. node evening max el  retrograde  evening set min. Earth dist. inferior conj minimum elong morning rise direct	13151 Oct 12 02:41 13151 Oct 19 03:37 13151 Oct 25 10:27 13151 Nov 08 13:58 13151 Nov 10 15:55 13151 Nov 20 10:19 13151 Nov 23 19:57 13151 Nov 27 07:29 13151 Nov 27 07:29 13151 Dec 05 00:56 13151 Dec 06 06:58 13151 Dec 06 06:53 13151 Dec 14 18:33 13151 Dec 17 19:21	1°Mよ52'56 17°M07'52 0°ズ 21°ズ44'08 23°ズ54'01 0°云 0°云26'31 30°Rズ 29°ズ51'12 26°ズ33'35 25°ズ50'40 25°ズ50'47 22°ズ01'38 21°ズ40'09	0°50'58 22°57'31 0.54970 AU -5°55'50 5°54'50
minimum elong evening rise  desc. node evening max el retrograde evening set min. Earth dist. inferior conj minimum elong morning rise direct asc. node morning max el	13150 Oct 27 20:27 13150 Nov 02 11:41 13150 Nov 03 16:25 13150 Nov 18 05:46 13150 Nov 21 16:41 13150 Nov 29 05:55 13150 Dec 12 23:50 13150 Dec 23 17:42 13150 Dec 26 04:30 13150 Dec 26 11:36 13151 Jan 03 16:39 13151 Jan 06 01:34 13151 Jan 15 19:13 13151 Jan 15 20:21 13151 Jan 26 00:29	17° M 34'25 0° ズ 2° ズ 35'53 0° ℧ 5° ℧ 02'28 13° ℧ 51'14 20° ℧ 43'08 19° ℧ 39'27 16° ℧ 51'49 15° ℧ 19'05 15° ℧ 07'51 11° ℧ 14'51 10° ℧ 59'31 15° ℧ 39'38 15° ℧ 42'22 0° ※	1°11'34 24°39'06 0.56256 AU -5°28'35 5°26'25	minimum elong evening rise  desc. node evening max el  retrograde  evening set min. Earth dist. inferior conj minimum elong morning rise	13151 Oct 12 02:41 13151 Oct 19 03:37 13151 Oct 25 10:27 13151 Nov 08 13:58 13151 Nov 10 15:55 13151 Nov 20 10:19 13151 Nov 23 19:57 13151 Nov 27 07:29 13151 Dec 05 00:56 13151 Dec 06 06:58 13151 Dec 06 06:53 13151 Dec 14 18:33 13151 Dec 17 19:21 13151 Dec 29 03:22	1° ML52'56 17° M07'52 0° ズ 21° ズ 44'08 23° ズ 54'01 0° 云 0° 云 26'31 30° R ズ 29° ズ 51'12 26° ズ 33'35 25° ズ 50'40 25° ズ 50'47 22° ズ 01'38 21° ズ 40'09 27° ズ 04'33	0°50'58 22°57'31 0.54970 AU -5°55'50 5°54'50
minimum elong evening rise  desc. node evening max el retrograde evening set min. Earth dist. inferior conj minimum elong morning rise direct asc. node	13150 Oct 27 20:27 13150 Nov 02 11:41 13150 Nov 03 16:25 13150 Nov 18 05:46 13150 Nov 21 16:41 13150 Nov 29 05:55 13150 Dec 12 23:50 13150 Dec 18 08:37 13150 Dec 23 17:42 13150 Dec 26 04:30 13150 Dec 26 11:36 13151 Jan 03 16:39 13151 Jan 06 01:34 13151 Jan 15 19:13 13151 Jan 15 20:21	17° M 34'25 0° ズ 2° ズ 35'53 0° 云 5° 云 02'28 13° 云 51'14 20° 云 43'08 19° 云 39'27 16° 云 51'49 15° 云 19'05 15° 云 07'51 11° 云 14'51 10° 云 59'31 15° 云 39'38 15° 云 42'22	1°11'34 24°39'06 0.56256 AU -5°28'35 5°26'25	minimum elong evening rise  desc. node evening max el  retrograde  evening set min. Earth dist. inferior conj minimum elong morning rise direct morning max el	13151 Oct 12 02:41 13151 Oct 19 03:37 13151 Oct 25 10:27 13151 Nov 08 13:58 13151 Nov 10 15:55 13151 Nov 20 10:19 13151 Nov 23 19:57 13151 Nov 27 07:29 13151 Dec 05 00:56 13151 Dec 06 06:58 13151 Dec 06 06:53 13151 Dec 17 19:21 13151 Dec 29 03:22 13151 Dec 31 21:24	1°M52'56 17°M07'52 0°ズ 21°ズ44'08 23°ズ54'01 0°중 0°중26'31 30°Rズ 29°ズ51'12 26°ズ33'35 25°ズ50'40 25°ズ50'47 22°ズ01'38 21°ズ40'09 27°ズ04'33 0°중	0°50'58 22°57'31 0.54970 AU -5°55'50 5°54'50
minimum elong evening rise  desc. node evening max el retrograde evening set min. Earth dist. inferior conj minimum elong morning rise direct asc. node morning max el  morning set	13150 Oct 27 20:27 13150 Nov 02 11:41 13150 Nov 03 16:25 13150 Nov 18 05:46 13150 Nov 21 16:41 13150 Nov 29 05:55 13150 Dec 12 23:50 13150 Dec 23 17:42 13150 Dec 26 04:30 13150 Dec 26 11:36 13151 Jan 03 16:39 13151 Jan 06 01:34 13151 Jan 15 19:13 13151 Jan 15 20:21 13151 Jan 26 00:29 13151 Feb 02 02:59	17°M34'25 0°ズ 2°ズ35'53 0°G 5°G02'28 13°G51'14 20°G43'08 19°G39'27 16°G51'49 15°G19'05 15°G07'51 11°G14'51 10°G59'31 15°G39'38 15°G42'22 0°≈ 13°≈38'37	1°11'34  24°39'06  0.56256 AU -5°28'35 5°26'25	minimum elong evening rise  desc. node evening max el  retrograde  evening set min. Earth dist. inferior conj minimum elong morning rise direct morning max el  asc. node	13151 Oct 12 02:41 13151 Oct 19 03:37 13151 Oct 25 10:27 13151 Nov 08 13:58 13151 Nov 10 15:55 13151 Nov 20 10:19 13151 Nov 23 19:57 13151 Nov 27 07:29 13151 Nov 27 07:29 13151 Dec 05 00:56 13151 Dec 06 06:58 13151 Dec 06 06:53 13151 Dec 17 19:21 13151 Dec 29 03:22 13151 Dec 31 21:24 13152 Jan 02 16:26	1°M52'56 17°M07'52 0°ズ 21°ズ44'08 23°ズ54'01 0°云 0°云26'31 30°Rズ 29°ズ51'12 26°ズ33'35 25°ズ50'40 25°ズ50'47 22°ズ01'38 21°ズ40'09 27°ズ04'33 0°云 2°云13'29	0°50'58 22°57'31 0.54970 AU -5°55'50 5°54'50
minimum elong evening rise  desc. node evening max el retrograde evening set min. Earth dist. inferior conj minimum elong morning rise direct asc. node morning max el  morning set	13150 Oct 27 20:27 13150 Nov 02 11:41 13150 Nov 03 16:25 13150 Nov 18 05:46 13150 Nov 21 16:41 13150 Nov 29 05:55 13150 Dec 12 23:50 13150 Dec 18 08:37 13150 Dec 23 17:42 13150 Dec 26 04:30 13150 Dec 26 11:36 13151 Jan 03 16:39 13151 Jan 06 01:34 13151 Jan 15 19:13 13151 Jan 15 20:21 13151 Jan 26 00:29 13151 Feb 02 02:59	17° M34'25 0° ダ 2° ダ35'53 0° ゼ 5° ゼ02'28 13° ゼ51'14 20° ゼ43'08 19° ゼ39'27 16° ゼ51'49 15° ゼ19'05 15° ゼ07'51 11° ゼ14'51 10° ゼ59'31 15° ゼ39'38 15° ゼ42'22 0° ≈ 13° ≈38'37	1°11'34  24°39'06  0.56256 AU -5°28'35 5°26'25  19°33'00  0°58'31	minimum elong evening rise  desc. node evening max el  retrograde  evening set min. Earth dist. inferior conj minimum elong morning rise direct morning max el	13151 Oct 12 02:41 13151 Oct 19 03:37 13151 Oct 25 10:27 13151 Nov 08 13:58 13151 Nov 10 15:55 13151 Nov 20 10:19 13151 Nov 23 19:57 13151 Nov 27 07:29 13151 Nov 27 07:29 13151 Dec 05 00:56 13151 Dec 06 06:58 13151 Dec 06 06:53 13151 Dec 17 19:21 13151 Dec 29 03:22 13151 Dec 31 21:24 13152 Jan 02 16:26 13152 Jan 17 11:08	1°M52'56 17°M07'52 0°ズ 21°ズ44'08 23°ズ54'01 0°云 0°云26'31 30°Rズ 29°ズ51'12 26°ズ33'35 25°ズ50'47 22°ズ01'38 21°ズ40'09 27°ズ04'33 0°云 2°云13'29 28°云20'11	0°50'58 22°57'31 0.54970 AU -5°55'50 5°54'50
minimum elong evening rise  desc. node evening max el retrograde evening set min. Earth dist. inferior conj minimum elong morning rise direct asc. node morning max el  morning set	13150 Oct 27 20:27 13150 Nov 02 11:41 13150 Nov 03 16:25 13150 Nov 18 05:46 13150 Nov 21 16:41 13150 Nov 29 05:55 13150 Dec 12 23:50 13150 Dec 23 17:42 13150 Dec 26 04:30 13150 Dec 26 11:36 13151 Jan 03 16:39 13151 Jan 06 01:34 13151 Jan 15 19:13 13151 Jan 15 20:21 13151 Jan 26 00:29 13151 Feb 02 02:59	17° M34'25 0° ダ 2° ダ35'53 0° ℧ 5° ℧02'28 13° ℧51'14 20° ℧43'08 19° ℧39'27 16° ℧51'49 15° ℧19'05 15° ℧07'51 11° ℧14'51 10° ℧59'31 15° ℧39'38 15° ℧42'22 0° ஊ 13° ≈38'37 29° ≈40'23 29° ≈54'03	1°11'34  24°39'06  0.56256 AU -5°28'35 5°26'25	minimum elong evening rise  desc. node evening max el  retrograde  evening set min. Earth dist. inferior conj minimum elong morning rise direct morning max el  asc. node	13151 Oct 12 02:41 13151 Oct 19 03:37 13151 Oct 25 10:27 13151 Nov 08 13:58 13151 Nov 10 15:55 13151 Nov 20 10:19 13151 Nov 23 19:57 13151 Nov 27 07:29 13151 Nov 27 07:29 13151 Dec 05 00:56 13151 Dec 06 06:58 13151 Dec 06 06:53 13151 Dec 17 19:21 13151 Dec 29 03:22 13151 Dec 31 21:24 13152 Jan 02 16:26	1°M52'56 17°M07'52 0°ズ 21°ズ44'08 23°ズ54'01 0°云 0°云26'31 30°Rズ 29°ズ51'12 26°ズ33'35 25°ズ50'40 25°ズ50'47 22°ズ01'38 21°ズ40'09 27°ズ04'33 0°云 2°云13'29	0°50'58 22°57'31 0.54970 AU -5°55'50 5°54'50
minimum elong evening rise  desc. node evening max el retrograde evening set min. Earth dist. inferior conj minimum elong morning rise direct asc. node morning max el  morning set	13150 Oct 27 20:27 13150 Nov 02 11:41 13150 Nov 03 16:25 13150 Nov 18 05:46 13150 Nov 21 16:41 13150 Nov 29 05:55 13150 Dec 12 23:50 13150 Dec 18 08:37 13150 Dec 23 17:42 13150 Dec 26 04:30 13150 Dec 26 11:36 13151 Jan 03 16:39 13151 Jan 06 01:34 13151 Jan 15 19:13 13151 Jan 15 20:21 13151 Jan 26 00:29 13151 Feb 02 02:59	17° M34'25 0° ダ 2° ダ35'53 0° ゼ 5° ゼ02'28 13° ゼ51'14 20° ゼ43'08 19° ゼ39'27 16° ゼ51'49 15° ゼ19'05 15° ゼ07'51 11° ゼ14'51 10° ゼ59'31 15° ゼ39'38 15° ゼ42'22 0° ≈ 13° ≈38'37	1°11'34  24°39'06  0.56256 AU -5°28'35 5°26'25  19°33'00  0°58'31	minimum elong evening rise  desc. node evening max el  retrograde  evening set min. Earth dist. inferior conj minimum elong morning rise direct morning max el  asc. node morning set	13151 Oct 12 02:41 13151 Oct 19 03:37 13151 Oct 25 10:27 13151 Nov 08 13:58 13151 Nov 10 15:55 13151 Nov 20 10:19 13151 Nov 23 19:57 13151 Nov 27 07:29 13151 Nov 27 07:29 13151 Dec 05 00:56 13151 Dec 06 06:58 13151 Dec 06 06:53 13151 Dec 17 19:21 13151 Dec 29 03:22 13151 Dec 31 21:24 13152 Jan 02 16:26 13152 Jan 17 11:08	1°M52'56 17°M07'52 0°ズ 21°ズ44'08 23°ズ54'01 0°云 0°云26'31 30°Rズ 29°ズ51'12 26°ズ33'35 25°ズ50'47 22°ズ01'38 21°ズ40'09 27°ズ04'33 0°云 2°云13'29 28°云20'11	0°50'58 22°57'31 0.54970 AU -5°55'50 5°54'50
minimum elong evening rise  desc. node evening max el retrograde evening set min. Earth dist. inferior conj minimum elong morning rise direct asc. node morning max el morning set superior conj minimum elong	13150 Oct 27 20:27 13150 Nov 02 11:41 13150 Nov 03 16:25 13150 Nov 18 05:46 13150 Nov 21 16:41 13150 Nov 29 05:55 13150 Dec 12 23:50 13150 Dec 18 08:37 13150 Dec 23 17:42 13150 Dec 26 04:30 13150 Dec 26 11:36 13151 Jan 03 16:39 13151 Jan 06 01:34 13151 Jan 15 19:13 13151 Jan 15 20:21 13151 Jan 26 00:29 13151 Feb 02 02:59  13151 Feb 10 03:02 13151 Feb 10 05:50 13151 Feb 10 07:03	17° M.34'25 0° ♂ 2° ♂35'53 0° ♂ 5° ♂02'28 13° ♂51'14 20° ♂43'08 19° ♂39'27 16° ♂51'49 15° ♂19'05 15° ♂07'51 11° ♂14'51 10° ♂59'31 15° ♂39'38 15° ♂42'22 0° ≈ 13° ≈38'37 29° ≈40'23 29° ≈54'03 0° ★	1°11'34  24°39'06  0.56256 AU -5°28'35 5°26'25  19°33'00  0°58'31 0°58'42	minimum elong evening rise  desc. node evening max el  retrograde  evening set min. Earth dist. inferior conj minimum elong morning rise direct morning max el  asc. node	13151 Oct 12 02:41 13151 Oct 19 03:37 13151 Oct 25 10:27 13151 Nov 08 13:58 13151 Nov 10 15:55 13151 Nov 20 10:19 13151 Nov 27 07:29 13151 Nov 27 07:29 13151 Dec 05 00:56 13151 Dec 06 06:58 13151 Dec 06 06:53 13151 Dec 14 18:33 13151 Dec 14 18:33 13151 Dec 17 19:21 13151 Dec 29 03:22 13151 Dec 31 21:24 13152 Jan 02 16:26 13152 Jan 17 11:08 13152 Jan 18 06:22	1°M52'56 17°M07'52 0°ズ 21°ズ44'08 23°ズ54'01 0°궁 0°궁26'31 30°Rズ 29°ズ51'12 26°ズ33'35 25°ズ50'40 25°ズ50'47 22°ズ01'38 21°ズ40'09 27°ズ04'33 0°ጜ 2°ጜ13'29 28°ጜ20'11 0°≈	0°50'58  22°57'31  0.54970 AU -5°55'50 5°54'50  20°53'01
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minimum elong evening rise  desc. node evening max el retrograde evening set min. Earth dist. inferior conj minimum elong morning rise direct asc. node morning max el  morning set  superior conj minimum elong max. Earth dist. desc. node evening rise	13150 Oct 27 20:27 13150 Nov 02 11:41 13150 Nov 03 16:25 13150 Nov 18 05:46 13150 Nov 21 16:41 13150 Nov 29 05:55 13150 Dec 12 23:50 13150 Dec 23 17:42 13150 Dec 26 04:30 13150 Dec 26 11:36 13151 Jan 03 16:39 13151 Jan 06 01:34 13151 Jan 15 19:13 13151 Jan 15 20:21 13151 Jan 26 00:29 13151 Feb 02 02:59  13151 Feb 10 03:02 13151 Feb 10 07:03 13151 Feb 10 07:03 13151 Feb 10 10:550 13151 Feb 10 07:03 13151 Feb 17 16:56 13151 Feb 27 00:07 13151 Mar 19 16:47 13151 Mar 27 16:00	17° M34'25 0° ズ 2° ズ35'53 0° 云 5° 云02'28 13° 云51'14 20° 云43'08 19° 云39'27 16° 云51'49 15° 云19'05 15° 云07'51 11° 云14'51 10° 云59'31 15° 云39'38 15° 云42'22 0° ≈ 13° ≈38'37 29° ≈40'23 29° ≈54'03 0° 光 11° 光47'56 13° 光59'47 18° 光29'39 0° Ƴ 0° 엉 8° 엉59'56	1°11'34  24°39'06  0.56256 AU -5°28'35 5°26'25  19°33'00  0°58'31 0°58'42  1.37833 AU	minimum elong evening rise  desc. node evening max el  retrograde  evening set min. Earth dist. inferior conj minimum elong morning rise direct morning max el  asc. node morning set  superior conj minimum elong max. Earth dist.  evening rise	13151 Oct 12 02:41 13151 Oct 19 03:37 13151 Oct 25 10:27 13151 Nov 08 13:58 13151 Nov 10 15:55 13151 Nov 20 10:19 13151 Nov 23 19:57 13151 Nov 27 07:29 13151 Nov 27 07:29 13151 Dec 05 00:56 13151 Dec 06 06:58 13151 Dec 14 18:33 13151 Dec 17 19:21 13151 Dec 29 03:22 13151 Dec 31 21:24 13152 Jan 02 16:26 13152 Jan 17 11:08 13152 Jan 18 06:22 13152 Jan 24 20:32 13152 Jan 24 23:02 13152 Jan 29 21:05 13152 Feb 02 03:08 13152 Feb 02 19:39 13152 Feb 04 13:32	1°M52'56 17°M07'52 0°ズ 21°ズ44'08 23°ズ54'01 0°궁 0°궁26'31 30°Rズ 29°ズ51'12 26°ズ33'35 25°ズ50'47 22°ズ01'38 21°ズ40'09 27°ズ04'33 0°궁 2°궁13'29 28°궁20'11 0°≈ 13°≈42'52 13°≈55'41 23°≈46'47 0°兴 1°光17'04 4°光29'22	0°50'58  22°57'31  0.54970 AU -5°55'50 5°54'50  20°53'01  1°18'21 1°18'52
minimum elong evening rise  desc. node evening max el retrograde evening set min. Earth dist. inferior conj minimum elong morning rise direct asc. node morning max el  morning set  superior conj minimum elong  max. Earth dist. desc. node evening rise  evening max el retrograde	13150 Oct 27 20:27 13150 Nov 02 11:41 13150 Nov 03 16:25 13150 Nov 18 05:46 13150 Nov 21 16:41 13150 Nov 29 05:55 13150 Dec 12 23:50 13150 Dec 23 17:42 13150 Dec 26 04:30 13150 Dec 26 11:36 13151 Jan 03 16:39 13151 Jan 05 16:39 13151 Jan 15 19:13 13151 Jan 15 20:21 13151 Jan 26 00:29 13151 Feb 10 03:02 13151 Feb 10 03:02 13151 Feb 10 07:03 13151 Feb 10 07:03 13151 Feb 17 16:56 13151 Feb 27 00:07 13151 Feb 27 00:07 13151 Mar 19 16:47 13151 Mar 27 16:00 13151 Apr 08 16:38	17° M34'25 0° ズ 2° ズ35'53 0° 云 5° 云02'28 13° 云51'14 20° 云43'08 19° 云39'27 16° 云51'49 15° 云19'05 15° 云07'51 11° 云14'51 10° 云59'31 15° 云39'38 15° 云42'22 0° ※ 13° ※38'37 29° ※40'23 29° ※54'03 0° 光 11° 光47'56 13° 光59'47 18° 光29'39 0° ϒ 0° 엉 8° 엉59'56 15° 엉58'36	1°11'34  24°39'06  0.56256 AU -5°28'35 5°26'25  19°33'00  0°58'31 0°58'42  1.37833 AU	minimum elong evening rise  desc. node evening max el  retrograde  evening set min. Earth dist. inferior conj minimum elong morning rise direct morning max el  asc. node morning set  superior conj minimum elong max. Earth dist. evening rise desc. node	13151 Oct 12 02:41 13151 Oct 19 03:37 13151 Oct 25 10:27 13151 Nov 08 13:58 13151 Nov 10 15:55 13151 Nov 20 10:19 13151 Nov 23 19:57 13151 Nov 27 07:29 13151 Nov 27 07:29 13151 Dec 05 00:56 13151 Dec 06 06:58 13151 Dec 06 06:58 13151 Dec 17 19:21 13151 Dec 29 03:22 13151 Dec 31 21:24 13152 Jan 02 16:26 13152 Jan 17 11:08 13152 Jan 18 06:22 13152 Jan 24 20:32 13152 Jan 24 23:02 13152 Jan 24 23:02 13152 Jan 29 21:05 13152 Feb 02 03:08 13152 Feb 02 19:39 13152 Feb 04 13:32 13152 Feb 04 13:32 13152 Feb 04 02:16	1°M52'56 17°M07'52 0°ズ 21°ズ44'08 23°ズ54'01 0°云 0°云26'31 30°Rズ 29°ズ51'12 26°ズ33'35 25°ズ50'40 25°ズ50'47 22°ズ01'38 21°ズ40'09 27°ズ04'33 0°云 2°云13'29 28°云20'11 0°≈ 13°≈42'52 13°≈55'41 23°≈46'47 0°兴 1°升17'04 4°升29'22 0°°	0°50'58  22°57'31  0.54970 AU -5°55'50 5°54'50  20°53'01  1°18'21 1°18'52 1.35707 AU
minimum elong evening rise  desc. node evening max el retrograde evening set min. Earth dist. inferior conj minimum elong morning rise direct asc. node morning set superior conj minimum elong max. Earth dist. desc. node evening rise  evening rise	13150 Oct 27 20:27 13150 Nov 02 11:41 13150 Nov 03 16:25 13150 Nov 18 05:46 13150 Nov 21 16:41 13150 Nov 29 05:55 13150 Dec 12 23:50 13150 Dec 18 08:37 13150 Dec 23 17:42 13150 Dec 26 04:30 13150 Dec 26 11:36 13151 Jan 03 16:39 13151 Jan 15 19:13 13151 Jan 15 20:21 13151 Jan 26 00:29 13151 Feb 10 03:02 13151 Feb 10 03:02 13151 Feb 10 07:03 13151 Feb 10 07:03 13151 Feb 10 105:50 13151 Feb 10 07:03 13151 Feb 10 105:50 13151 Feb 10 07:03 13151 Feb 10 07:03 13151 Feb 10 07:03 13151 Feb 20 05:19 13151 Feb 20 05:19 13151 Feb 27 00:07 13151 Mar 19 16:47 13151 Mar 27 16:00 13151 Apr 08 16:38 13151 Apr 13 15:58	17° M34'25 0° ズ 2° ズ35'53 0° 云 5° 云02'28 13° 云51'14 20° 云43'08 19° 云39'27 16° 云51'49 15° 云19'05 15° 云07'51 11° 云14'51 10° 云59'31 15° 云39'38 15° 云42'22 0° ※ 13° ※38'37 29° ※40'23 29° ※54'03 0° 光 11° 光47'56 13° 光59'47 18° 光29'39 0° ϒ 0° ႘ 8° ႘59'56 15° ႘58'36 14° ႘12'27	1°11'34  24°39'06  0.56256 AU -5°28'35 5°26'25  19°33'00  0°58'31 0°58'42  1.37833 AU	minimum elong evening rise  desc. node evening max el  retrograde  evening set min. Earth dist. inferior conj minimum elong morning rise direct morning max el  asc. node morning set  superior conj minimum elong max. Earth dist. evening rise desc. node	13151 Oct 12 02:41 13151 Oct 19 03:37 13151 Oct 25 10:27 13151 Nov 08 13:58 13151 Nov 10 15:55 13151 Nov 20 10:19 13151 Nov 23 19:57 13151 Nov 27 07:29 13151 Nov 27 07:29 13151 Dec 05 00:56 13151 Dec 06 06:58 13151 Dec 17 19:21 13151 Dec 14 18:33 13151 Dec 14 18:33 13151 Dec 31 21:24 13152 Jan 02 16:26 13152 Jan 17 11:08 13152 Jan 18 06:22 13152 Jan 24 20:32 13152 Jan 24 23:02 13152 Jan 24 23:02 13152 Jan 29 21:05 13152 Feb 02 03:08 13152 Feb 02 19:39 13152 Feb 04 13:32 13152 Feb 00 05:41	1°M52'56 17°M07'52 0°ズ 21°ズ44'08 23°ズ54'01 0°云 0°云26'31 30°Rズ 29°ズ51'12 26°ズ33'35 25°ズ50'47 22°ズ01'38 21°ズ40'09 27°ズ04'33 0°云 2°云13'29 28°云20'11 0°≈ 13°≈42'52 13°≈55'41 23°≈46'47 0°沃 1°升17'04 4°升29'22 0°Y 22°Y49'30	0°50'58  22°57'31  0.54970 AU -5°55'50 5°54'50  20°53'01  1°18'21 1°18'52 1.35707 AU
minimum elong evening rise  desc. node evening max el retrograde evening set min. Earth dist. inferior conj minimum elong morning rise direct asc. node morning max el  morning set  superior conj minimum elong  max. Earth dist. desc. node evening rise  evening max el retrograde asc. node evening set	13150 Oct 27 20:27 13150 Nov 02 11:41 13150 Nov 03 16:25 13150 Nov 18 05:46 13150 Nov 21 16:41 13150 Nov 29 05:55 13150 Dec 12 23:50 13150 Dec 18 08:37 13150 Dec 26 04:30 13150 Dec 26 11:36 13151 Jan 03 16:39 13151 Jan 15 19:13 13151 Jan 15 20:21 13151 Jan 26 00:29 13151 Feb 10 03:02 13151 Feb 10 03:02 13151 Feb 10 07:03 13151 Feb 10 07:03 13151 Feb 10 07:03 13151 Feb 10 10:56 13151 Feb 10 07:03	17° M34'25 0° ズ 2° ズ35'53 0° ℧ 5° ℧02'28 13° ℧51'14 20° ℧43'08 19° ℧39'27 16° ℧51'49 15° ℧19'05 15° ℧07'51 11° ℧14'51 10° ℧59'31 15° ℧39'38 15° ℧42'22 0° 総 13° 総38'37 29° 総40'23 29° 総54'03 0° ዢ 11° 光47'56 13° 光59'47 18° 光29'39 0° ♈ 0° ℧ 8° ℧59'56 15° ℧58'36 14° ℧12'27 13° ℧34'13	1°11'34  24°39'06  0.56256 AU -5°28'35 5°26'25  19°33'00  0°58'31 0°58'42  1.37833 AU  25°09'15	minimum elong evening rise  desc. node evening max el  retrograde  evening set min. Earth dist. inferior conj minimum elong morning rise direct morning max el  asc. node morning set  superior conj minimum elong max. Earth dist.  evening rise desc. node evening max el	13151 Oct 12 02:41 13151 Oct 12 03:37 13151 Oct 25 10:27 13151 Nov 08 13:58 13151 Nov 10 15:55 13151 Nov 20 10:19 13151 Nov 23 19:57 13151 Nov 27 07:29 13151 Nov 27 07:29 13151 Dec 05 00:56 13151 Dec 06 06:58 13151 Dec 14 18:33 13151 Dec 14 18:33 13151 Dec 17 19:21 13151 Dec 29 03:22 13151 Dec 31 21:24 13152 Jan 02 16:26 13152 Jan 17 11:08 13152 Jan 18 06:22 13152 Jan 24 20:32 13152 Jan 24 20:32 13152 Jan 29 21:05 13152 Feb 02 03:08 13152 Feb 02 19:39 13152 Feb 04 13:32 13152 Feb 00 05:41 13152 Mar 09 05:41 13152 Mar 09 05:41	1°M52'56 17°M07'52 0°ズ 21°ズ44'08 23°ズ54'01 0°云 0°云26'31 30°Rズ 29°ズ51'12 26°ズ33'35 25°ズ50'47 22°ズ01'38 21°ズ40'09 27°ズ04'33 0°云 2°云13'29 28°云20'11 0°≈ 13°≈42'52 13°≈55'41 23°≈46'47 0°沃 1°升17'04 4°升29'22 0°Y 22°Y49'30 0°엉	0°50'58  22°57'31  0.54970 AU -5°55'50 5°54'50  20°53'01  1°18'21 1°18'52 1.35707 AU

evening set	13152 Mar 28 07:32	27° <b>Y</b> 36′23		retrograde	13153 Mar 05 05:07	13° <b>Y</b> 53'42	
asc. node	13152 Mar 30 13:25	25° <b>Y</b> 28′05		evening set	13153 Mar 11 20:06	11° <b>Y</b> 21′23	
min. Earth dist.	13152 Apr 01 10:57	23° <b>Y</b> 17′29	0.66902 AU	min. Earth dist.	13153 Mar 15 18:22	7° <b>Ƴ</b> 35'48	0.65405 AU
inferior conj	13152 Apr 03 04:55	21° <b>Ƴ</b> 08'56	1°07'40	asc. node	13153 Mar 17 10:52	5° <b>Ƴ</b> 41'56	
minimum elong	13152 Apr 03 03:20	21° <b>Y</b> 13'47	1°06'50	inferior conj	13153 Mar 18 00:30	5° <b>Ƴ</b> 03'17	0°10'55
morning rise	13152 Apr 08 23:58	15° <b>Ƴ</b> 24'46		minimum elong	13153 Mar 18 00:11	5° <b>Ƴ</b> 04'09	0°10'50
direct	13152 Apr 12 03:36	14° <b>Ƴ</b> 28'39		transit middle	13153 Mar 18 00:11	5° <b>Ƴ</b> 04'09	0°10'50
morning max el	13152 Apr 18 16:40	17° <b>Ƴ</b> 58'18	18°33'01	transit begin	13153 Mar 17 21:59	5° <b>Υ</b> 10'24	
morning man vi	13152 Apr 27 23:35	0°8	10 33 01	transit end	13153 Mar 18 02:24	4° <b>Υ</b> 57'54	
desc. node	13152 May 02 15:48	7° <b>8</b> 08'24		transit ena	13153 Mar 23 09:25	30° <b>R</b> ₩	
	,						
morning set	13152 May 09 15:42	18° <b>8</b> 06'17		morning rise	13153 Mar 24 05:51	29° <b>)</b> €31'37	
	13152 May 17 05:38	$\Pi$ °0		direct	13153 Mar 26 23:46	28° <b>¥</b> 51'11	
					13153 Mar 30 15:09	$0$ ° $\mathbf{\gamma}$	
superior conj	13152 May 25 16:02	13° <b>Ⅱ</b> 10'41	-2°07'10	morning max el	13153 Apr 02 08:06	2° <b>Y</b> 10'02	18°01'29
minimum elong	13152 May 25 10:05	12° <b>Ⅱ</b> 47′26	2°07'49	desc. node	13153 Apr 19 12:24	27° <b>Ƴ</b> 20'16	
max. Earth dist.	13152 May 25 09:35	12° <b>Ⅱ</b> 45′28	1.45788 AU	morning set	13153 Apr 20 13:02	29° <b>Ƴ</b> 00'56	
	13152 Jun 05 09:29	0° <b>©</b>		Č	13153 Apr 21 03:29	0°8	
evening rise	13152 Jun 10 08:12	7° <b>5</b> 49'17			15105 11p1 21 05:25	• •	
-			-0.8m		12152 Mari 05, 02:27	220 425145	1942107
greatest brilliancy	13152 Jun 18 15:33	20°957'28	-0.8m	superior conj	13153 May 05 02:27	22° <b>8</b> 25'45	
_	13152 Jun 24 14:07	$0$ $\circ$ $\Omega$		minimum elong	13153 May 04 17:16	21° <b>8</b> 49'29	
asc. node	13152 Jun 26 11:14	2° <b>Ω</b> 40′26		max. Earth dist.	13153 May 08 05:37	27° <b>8</b> 21'03	1.45651 AU
evening max el	13152 Jul 01 21:36	9° <b>Ω</b> 16′56	18°44'47		13153 May 09 22:17	$\Pi$ $\circ 0$	
retrograde	13152 Jul 08 12:16	12° <b>Ω</b> 53′27		evening rise	13153 May 21 04:47	17° <b>Ⅲ</b> 28′01	
evening set	13152 Jul 11 19:30	11° <b>Ω</b> 50'57			13153 May 29 09:00	0ංම	
inferior conj	13152 Jul 17 09:46	6° <b>Ω</b> 10'45	2°54'55	greatest brilliancy	13153 Jun 03 11:24	7° <b>©</b> 39'47	-0.7m
minimum elong	13152 Jul 17 11:31	6°Ω05'17		asc. node	13153 Jun 13 08:13	21°902'17	***
min. Earth dist.	13152 Jul 19 06:19	3°Ω52'31	0.65875 AU		13153 Jun 15 05:01	23°902'51	19°31'11
mm. Earm dist.			0.038/3 AU	evening max el			19 31 11
	13152 Jul 22 20:53	30°Rூ		retrograde	13153 Jun 22 09:58	27°506'09	
morning rise	13152 Jul 23 02:42	29° <b>©</b> 47'23		evening set	13153 Jun 26 02:22	25°5647'11	
direct	13152 Jul 29 11:21	27° <b>©</b> 06'47		inferior conj	13153 Jul 01 11:12	19° <b>©</b> 53'10	3°10'11
desc. node	13152 Jul 29 15:05	27° <b>©</b> 06'52		minimum elong	13153 Jul 01 11:57	19° <b>©</b> 50'42	3°09'09
	13152 Aug 05 23:31	$0^{\circ}\Omega$		min. Earth dist.	13153 Jul 02 17:14	18° <b>©</b> 13'48	0.67315 AU
morning max el	13152 Aug 11 15:21	4° <b>Ω</b> 54'45	26°43'56	morning rise	13153 Jul 06 21:04	13° <b>©</b> 29'35	
Z .	13152 Aug 30 19:21	0°m		direct	13153 Jul 12 20:03	10°953'00	
morning set	13152 Sep 16 10:39	28° <b>m</b> ) 31'22		desc. node	13153 Jul 16 12:23	11°542'42	
morning set	-	0° <b>⊽</b>					25920117
T (1 1)	13152 Sep 17 05:13		1 241 45 4 11	morning max el	13153 Jul 25 02:10	18°913'43	25°29'17
max. Earth dist.	13152 Sep 20 13:01	6° <b>≙</b> 30'29	1.34145 AU		13153 Aug 04 00:02	$0$ $\circ$ $\Omega$	
asc. node	13152 Sep 22 12:37	10° <b>≏</b> 30'27			13153 Aug 23 19:55	0° <b>m</b>	
				morning set	13153 Aug 30 01:33	10° Mp 53′49	
superior conj	13152 Sep 25 04:55	16° <b>≏</b> 01'56	0°25'17	max. Earth dist.	13153 Sep 02 16:41	17° <b>m</b> 35'40	1.36101 AU
minimum elong	13152 Sep 25 03:37	15° <b>≙</b> 55'09	0°25'11				
	13152 Oct 01 19:35	0° <b>M</b> .		superior conj	13153 Sep 08 20:08	29° m 31'37	-0°05'08
evening rise	13152 Oct 02 13:33	1°MJ34'41		minimum elong	13153 Sep 08 20:28	29° m 33'14	0°05'12
evening rise	13152 Oct 18 16:30	0° <b>∡</b> 7		behind sun begin	13153 Sep 08 14:28	29° m 03'17	0 00 12
evening max el	13152 Oct 10 10:30 13152 Oct 22 07:14	4° <b>∡</b> ¹04'22	21°20'01	behind sun end	13153 Sep 00 14:20 13153 Sep 09 02:27	0° <b>೭</b> 03'14	
•			21 2001				
desc. node	13152 Oct 25 11:20	6° <b>∡</b> 748′20		asc. node	13153 Sep 09 09:11	0° <b>≙</b> 36'57	
retrograde	13152 Nov 03 07:42	10° <b>∡</b> ¹02'46			13153 Sep 09 01:49	0∘ <b>ত</b>	
evening set	13152 Nov 06 00:44	9° <b>҂</b> ′45'46		evening rise	13153 Sep 16 20:02	15° <b>≏</b> 49'37	
inferior conj	13152 Nov 14 22:54	5° <b>∡</b> 151'55	-5°25'23		13153 Sep 24 02:16	0° <b>M</b> ₊	
minimum elong	13152 Nov 14 14:41	6° <b>₰</b> 03'27	5°23'04	evening max el	13153 Oct 04 11:29	14°M53'32	19°59'18
min. Earth dist.	13152 Nov 15 06:59	5° <b>∡</b> ¹40'33	0.54512 AU	desc. node	13153 Oct 12 08:46	19° <b>M</b> 46'55	
morning rise	13152 Nov 23 05:23	2° <b>҂</b> 02'26		retrograde	13153 Oct 14 21:30	20°MJ04'46	
direct	13152 Nov 27 03:06	1° <b>∡</b> ¹29'36		evening set	13153 Oct 16 20:45	19°M54'29	
morning max el	13152 Dec 09 21:01	7° <b>∡</b> 736'42	22°32'50	inferior conj	13153 Oct 25 18:30	15°M55'02	4001/22
=			22 32 30	-			
asc. node	13152 Dec 19 13:32	19° <b>√</b> 49'44		minimum elong	13153 Oct 25 08:47		3°57'48
	13152 Dec 25 10:21	0°ਰ		min. Earth dist.	13153 Oct 27 15:17	14°M47'14	0.54998 AU
morning set	13152 Dec 31 22:07	13° <b>පි</b> 06'19		morning rise	13153 Nov 02 19:32	11°ML44'06	
				direct	13153 Nov 07 14:41	10°M53'48	
superior conj	13153 Jan 07 22:17	28° <b>පි</b> 06'45	1°31'12	morning max el	13153 Nov 21 07:27	17°M39'26	24°21'35
minimum elong	13153 Jan 07 23:56	28° <b>ට</b> 15'30	1°32'01		13153 Dec 01 09:01	0° <b>∡</b> ¹	
S	13153 Jan 08 19:38	0° <b>≈</b>		asc. node	13153 Dec 06 10:31	8° <b>∡</b> 13'03	
max. Earth dist.	13153 Jan 11 12:26	5°≈38'24	1.33896 AU	morning set	13153 Dec 16 10:00	27° <b>х</b> 51'05	
evening rise	13153 Jan 16 00:25	14°≈40'09	1.55070710	morning sec	13153 Dec 17 09:56	2/メ3103 0°る	
-					13133 DCC 1/ 07.30	ÿ	
desc. node	13153 Jan 21 10:13	24°≈48'57			12152 D 22 25 22	100=740:05	1027120
	13153 Jan 24 08:44	0° <b>∀</b>		superior conj	13153 Dec 23 05:29	12° <b>る</b> 43'25	1°37'30
				·			
evening max el	13153 Feb 13 20:04 13153 Feb 19 19:10	0°Υ 6°Υ27'03		minimum elong max. Earth dist.	13153 Dec 23 06:03 13153 Dec 25 11:20	12°る46'29 17°る35'45	1°38'30 1.32517 AU

		_					
evening rise	13153 Dec 30 16:14	28° <b>る</b> 30'16		max. Earth dist.	13154 Dec 08 16:33	29° <b>∡</b> ⁴43'13	1.31628 AU
	13153 Dec 31 10:01	0° <b>≈</b>			13154 Dec 08 19:35	0°₹	
desc. node	13154 Jan 08 07:00	14° <b>≈</b> 53′00		evening rise	13154 Dec 14 16:14	12° <b>る</b> 40'19	
	13154 Jan 17 12:51	0° <b>)</b> €			13154 Dec 23 13:22	0° <b>≈</b>	
evening max el	13154 Feb 02 07:23	19° <b>)</b> 41′52	27°31'42	desc. node	13154 Dec 26 03:53	4° <b>≈</b> 34'47	
retrograde	13154 Feb 16 01:51	27° <b>₩</b> 07'58			13155 Jan 13 07:50	0° <b>∀</b>	
evening set	13154 Feb 22 22:40	24° <b>)</b> 41'38		evening max el	13155 Jan 15 16:16	2° <b>)</b> €21'34	27°25'49
min. Earth dist.	13154 Feb 26 17:25	21° <b>)</b> 25'52	0.63566 AU	retrograde	13155 Jan 29 14:37	9° <b>)</b> 40′20	
inferior conj	13154 Mar 01 10:38	18° <b>¥</b> 40'04		evening set	13155 Feb 05 12:17	7° <b>)</b> (28'04	
minimum elong	13154 Mar 01 12:27	18° <b>)</b> ₹35'25	0°55'46	min. Earth dist.	13155 Feb 09 06:35	4° <b>¥</b> 36'06	0.61490 AU
asc. node		15° <b>X</b> 52'44	0 33 40			1° <b>¥</b> 50'42	
	13154 Mar 04 08:18			inferior conj	13155 Feb 12 08:05		
morning rise	13154 Mar 08 04:36	13° <b>)</b> €23'22		minimum elong	13155 Feb 12 12:47	1° <b>)</b> 40′03	2°11'50
direct	13154 Mar 10 14:21	12° <b>米</b> 55′01			13155 Feb 14 10:44	30° <b>Ŗ</b> ≈	
morning max el	13154 Mar 17 01:46	16° <b>) (</b> 14′23	17°47'13	asc. node	13155 Feb 19 05:43	27° <b>≈</b> 00′29	
	13154 Mar 26 22:24	$0^{\circ}$ Y		morning rise	13155 Feb 19 16:13	26° <b>≈</b> 51'43	
morning set	13154 Apr 02 13:21	11° <b>Y</b> 13'39		direct	13155 Feb 21 20:00	26° <b>≈</b> 31'42	
desc. node	13154 Apr 06 08:58	17° <b>Ƴ</b> 44'47			13155 Feb 28 17:44	0° <b>)</b> €	
	13154 Apr 13 16:48	0°8		morning max el	13155 Feb 28 18:29	0° <b>₩</b> 01'48	17°50'51
	1			morning set	13155 Mar 16 10:40	24° <b>)</b> €25'18	
superior conj	13154 Apr 15 05:59	2° <b>8</b> 32'11	-1°04'58		13155 Mar 19 13:12	0°Υ	
minimum elong	13154 Apr 14 23:22	•		desc. node	13155 Mar 24 05:30	8° <b>Υ</b> 17'01	
max. Earth dist.	13154 Apr 21 00:07	11° <b>8</b> 47'50		desc. Hode	13133 Wai 24 03.30	0 11/01	
	1	_	1.44791 AU		12155 14 27 00 24	1200045110	002420
evening rise	13154 Apr 30 15:59	26° <b>8</b> 51'29		superior conj	13155 Mar 27 09:24	13° <b>Y</b> 45'19	
	13154 May 02 17:19	$\Pi$ °0		minimum elong	13155 Mar 27 07:08	13° <b>Y</b> 35'34	
	13154 May 23 10:14	0		max. Earth dist.	13155 Apr 03 15:27	25° <b>Y</b> ′51′57	1.43302 AU
evening max el	13154 May 29 06:49	6° <b>ॐ</b> 51'08	20°32'22		13155 Apr 06 04:50	$9^{\circ}$ 8	
asc. node	13154 May 31 05:18	8°938'57		evening rise	13155 Apr 10 09:42	6° <b>8</b> 39'15	
retrograde	13154 Jun 06 08:53	11° <b>©</b> 31'05			13155 Apr 25 23:34	$\Pi^{\circ}0$	
evening set	13154 Jun 10 11:10	9° <b>©</b> 55'31		evening max el	13155 May 12 03:05	20° <b>Ⅱ</b> 40′05	21°45'09
inferior conj	13154 Jun 15 17:31	3° <b>©</b> 49'12	3°12'31	asc. node	13155 May 18 02:29	25° <b>Ⅱ</b> 15'32	
minimum elong	13154 Jun 15 17:13	3°950'12	3°11'30	retrograde	13155 May 21 07:04	26°∏02'33	
min. Earth dist.	13154 Jun 16 09:36	2°953'52	0.68305 AU	evening set	13155 May 25 20:06	24° <b>I</b> 10'49	
iiiii. Lartii dist.	13154 Jun 18 14:33	30°R <b>I</b>	0.00505710	inferior conj	13155 May 31 02:25	17° <b>I</b> 53'57	3003136
		27° <b>∏</b> 28'58			•	17 <b>Ⅲ</b> 53 37	3°02'30
morning rise	13154 Jun 20 22:59			minimum elong	13155 May 31 01:14		
direct	13154 Jun 26 10:16	25° <b>Ⅱ</b> 04'08		min. Earth dist.	13155 May 31 05:12	17° <b>Ⅱ</b> 44'16	0.68822 AU
desc. node	13154 Jul 03 09:35	28° <b>∏</b> 01'15		morning rise	13155 Jun 05 06:10	11° <b>Ⅲ</b> 39'17	
	13154 Jul 05 17:55	$0$ $\circ$ $\odot$		direct	13155 Jun 10 04:43	9° <b>Ⅱ</b> 31'46	
morning max el	13154 Jul 07 12:16	1° <b>©</b> 42'20	24°02'21	morning max el	13155 Jun 19 23:37	15° <b>Ⅱ</b> 18'15	22°32'50
	13154 Jul 28 23:41	$0$ $^{\circ}\Omega$		desc. node	13155 Jun 20 06:41	15° <b>Ⅱ</b> 36′08	
morning set	13154 Aug 11 21:11	22° <b>Ω</b> 23'42			13155 Jul 01 22:52	$0$ $\circ$ $\odot$	
max. Earth dist.	13154 Aug 15 14:27	28° <b>Ω</b> 53'22	1.38372 AU		13155 Jul 21 23:11	$0^{\circ}\Omega$	
	13154 Aug 16 05:25	0° <b>m</b> p		morning set	13155 Jul 23 17:03	2° <b>Ω</b> 49'37	
	· ·	•		max. Earth dist.	13155 Jul 28 13:30	10° <b>Ω</b> 53'15	1.40713 AU
superior conj	13154 Aug 22 23:06	12° m 25'42	-0°38'57				
minimum elong	13154 Aug 23 01:50	12° m/38'39		superior conj	13155 Aug 05 09:38	24° <b>Ω</b> 34'04	-1°13'45
asc. node	13154 Aug 27 05:46	20° Mp 41'14	0 3031	minimum elong	13155 Aug 05 05:56	24° <b>Ω</b> 58'39	
				minimum ciong	13155 Aug 08 09:19		1 13 30
evening rise	13154 Aug 31 20:30	29° m 46'22		1	-	0° Mp	
	13154 Aug 31 23:16	0∘ <b>⊽</b>	10050150	asc. node	13155 Aug 14 02:23	10° m 39'21	
evening max el	13154 Sep 17 05:45	26° <b>Ω</b> 31'55	18°59'59	evening rise	13155 Aug 15 11:43	13° <b>m</b> ) 16'24	
	13154 Sep 21 22:57	0°M₊			13155 Aug 24 18:53	0∘ <b>⊽</b>	
retrograde	13154 Sep 26 00:54	0°M56'21		evening max el	13155 Aug 31 10:44	8° <b>≏</b> 53'56	18°22'10
evening set	13154 Sep 27 21:39	0° <b>™</b> 45'16		retrograde	13155 Sep 07 23:39	12° <b>≏</b> 42'44	
desc. node	13154 Sep 29 06:14	0°M24'02		evening set	13155 Sep 10 01:31	12° <b>≏</b> 26′06	
	13154 Sep 30 08:08	30° <b>Ŗ</b> Ω		desc. node	13155 Sep 16 03:43	9° <b>ഫ</b> 01'31	
inferior conj	13154 Oct 06 06:21	26° <b>₽</b> 29'42	-2°12'40	inferior conj	13155 Sep 17 15:47	7° <b>≏</b> 49'35	-0°28'16
minimum elong	13154 Oct 06 00:41	26° <b>₽</b> 39'31	2°10'06	minimum elong	13155 Sep 17 14:43	7° <b>≏</b> 51'45	0°27'49
min. Earth dist.	13154 Oct 09 03:54	24° <b>≏</b> 29'22	0.56348 AU	min. Earth dist.	13155 Sep 20 22:53	5° <b>£</b> 09'45	0.58304 AU
morning rise	13154 Oct 14 00:42	21° <b>Ω</b> 43'51		morning rise	13155 Sep 25 00:27	2° <b>£</b> 27'08	
direct	13154 Oct 14 00.42	21° <b>⊆</b> 43'31 20° <b>⊆</b> 29'49		direct	13155 Oct 01 05:48	2 <b>=</b> 27 08 0° <b>Ω</b> 45'55	
			26001147				27016117
morning max el	13154 Nov 02 19:05	27° <b>Ω</b> 45'41	26°01'47	morning max el	13155 Oct 15 13:25	8° <b>Ω</b> 24'19	27°16'17
_	13154 Nov 05 00:00	0°M		_	13155 Oct 31 22:21	0°M	
asc. node	13154 Nov 23 07:24	27° <b>M</b> 11'49		asc. node	13155 Nov 10 04:13	16° <b>™</b> 36'44	
	13154 Nov 24 18:39	0°⊀		morning set	13155 Nov 15 05:38	26°M58'37	
morning set	13154 Nov 30 21:03	12° <b>₹</b> 29'56			13155 Nov 16 15:26	0° <b>∡</b>	
superior conj	13154 Dec 07 15:53	27° <b>∡</b> "26′21	1°37'38	superior conj	13155 Nov 22 03:32	12° <b>₹</b> 09'51	1°31'53
minimum elong	13154 Dec 07 15:21	27° <b>₹</b> 23'25	1°38'38	minimum elong	13155 Nov 22 02:05	12° <b>∡</b> *01'43	1°32'42

0°M

13157 Oct 15 17:10

Septem	max. Earth dist.	13157 Oct 18 12:07	5°M54'54	1.32029 AU	max. Earth dist.	13158 Oct 01 07:04	17° <b>£</b> 23'44	1.33224 AU
minimane one cereating rise of contriguents of contriguents of contriguents of contriguents of the con	superior coni	13157 Oct 20 23:02	11°M.14'26	1°03'17	superior coni	13158 Oct 05 02:53	25° <b>Ω</b> 24'31	0°40'40
evening rise         1315 Cot 2 19 k32         56 (PM)         Centing rise         1315 Rot 19 pill         69 (PM)         Centing rise         1315 Rot 2 19 cot 30         (PM)         (PM)         Centing rise         1315 Rot 2 19 cot 30         (PM)         (PM)         Centing rise         1315 Rot 2 19 cot 30         (PM)         Centing rise         1315 Rot 2 10 cot 30         (PM)         Centing rise         1315 Rot 2 10 cot 30         25 Cot 10 cot 30         Centing rise         1315 Rot 2 10 cot 30         (PM)         27 Section         Centing rise         1315 Rot 2 10 cot 30         (PM)         27 Section         Centing rise         1315 Rot 2 10 cot 30         27 Section         Centing rise         1315 Rot 19 cot 30         27 Section         Centing rise         1315 Rot 2 10 cot 30         27 Section         Centing rise         1315 Rot 2 10 cot 30         27 Section         Centing rise         1315 Rot 2 10 cot 30         27 Section         Advantage         1315 Rot 2 10 cot 30         27 Section         Advantage         1315 Rot 2 10 cot 30         27 Section Rise         28 Section Rise         1315 Rot 2 10 cot 30         28 Section Rise         1315 Rot 2 10 cot 30         28 Section Rise         1315 Rot 2 cot 30         28 Section Rise <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>								
Second	_			1 03 30	minimum crong			0 1035
Pace   1315 Now 15   1910   20943901   1315 Now 16   1024   1275 Now 16   1024 Now 17   1024 Now 1	e vennig 1190				evening rise			
cereing max of 13157 Nov 16 01-94         0°E         evening max of 13157 Nov 20 13-92         237919         237910         2379	desc. node				evening rise			
Decempancy   1315 Nov   100.22   \$6\frac{2091}{1}   \$2\frac{200}{2}   \$2\frac{200}	dese. node				evening max el			22°14'37
Servering set   1315 Dec   1416   175 Dec	evening max el			23°56'21	-			
No.   Pers	•	13157 Dec 04 14:16	12°る15'10			13158 Nov 15 06:03	21° <b>х</b> 51'06	
sine, Each dist.         11 JS Dec 15 11-29         8°B2557         0.5563 AU         sine counting intention conj 1315 Nov 27 062 12         12°P24923         5°9070           minimum clong         1315 Nov 2 16 1628         γ*Boff 16         5°44748         minimum clong         1315 Nov 2 61 821         12°P24918         0.5666 AU           minimum clong         1315 Nov 2 61 1507         2*B3972         2*B3972         cented         1315 Nov 2 61 821         12°P4028           ast. node         1315 Nov 2 1236         0°8-6         1318 Nov 2 10 222         0°97000         2*B326           morning set         1315 Nov 2 1236         0°8-6         10°8-10         1315 Nov 2 10°12         0°7           morning set         1315 Nov 2 1236         0°8-6         10°748         1315 Nov 2 11°14         0°75630           morning set         1315 Nov 2 1236         0°8-6         10°8-108         10°8-108         0°7           secrit dist.         1315 Nov 2 1236         0°8-101         10°8-108         10°8-108         10°8-108           secrit dist.         1315 Nov 2 10°12         10°12         10°12         10°24         10°8-108           secrit dist.         1315 Nov 2 10°12         10°12         10°24         10°8-108         10°8-108           secrit d	-	13157 Dec 09 10:10			C		21° <b>×7</b> 25'22	
Infinition   18   18   18   18   18   18   18   1	•	13157 Dec 15 11:29	8° <b>る</b> 25'57	0.55623 AU	-	13158 Nov 27 08:22	17° <b>∡</b> ¹29'23	-5°50'25
morning max el	inferior conj	13157 Dec 17 11:48	7° <b>る</b> 13'19	-5°46'17		13158 Nov 27 04:23	17° <b>∡</b> ³34'58	5°49'10
Second   1315 No. 2   1507   2°85 972   2°85 972   2°85 973	minimum elong	13157 Dec 17 16:28	7° <b>ට</b> 06'16	5°44'48	min. Earth dist.	13158 Nov 26 18:11	17° <b>∡</b> ¹49'18	0.54664 AU
moming max el   1318 kla   08   0154   7°50/52   20°04/18   moming max el   1318 kla   02   21.52   07°50/64   moming set   1318 kla   22   12.56   07°4   moming set   1318 kla   22   12.57   07°4   moming set   1318 kla   22   12.57   07°4   moming set   1318 kla   22   12.57   07°4   moming set   1318 kla   02   02.77   07°4   moming set   1318 kla   03   03   03   03   03   03   03   0	morning rise	13157 Dec 26 00:41	3° <b>る</b> 17'00		morning rise	13158 Dec 05 17:55	13° <b>∡</b> ′42′08	
See node   1318 Alan   99   21142   976   53147   1318 Alan   12142   1276   1318 Alan   13	direct	13157 Dec 28 15:07	2° <b>る</b> 59'52		direct	13158 Dec 09 03:13	13° <b>∡</b> 16′28	
Marche   13158   Marche   22   12-16   122-25-504   107-48   13159   10   12-14   12-14   10   12-14   12-14   10   12-14   1	morning max el	13158 Jan 08 01:54	7° <b>る</b> 59'52	20°04'18	morning max el	13158 Dec 21 02:52	19° <b>₰</b> 00'00	21°33'26
Moning set   13188 Jan 26 03.05   7*a=12*9   Moning set   13189 Jan 10 12*4   21*65*72   14*0   14	asc. node	13158 Jan 09 21:42	9° <b>ප</b> 53'47		asc. node	13158 Dec 27 18:51	26° <b>х</b> 756′30	
superior on 13158 Feb 02 2011 22*es5604 19748   19748		13158 Jan 22 12:36	0° <b>≈</b>			13158 Dec 29 19:54	0°₹	
superior conj         13158 Feb 02 20.11         22°s-86093         10°807         superior conj         13159 In 17 17.35         7°s-8078         1°2473           max. Earth dist.         13158 Feb 06 10.21         22°s-8093         10°807         max. Earth dist.         13159 Jan 17 17.35         7°s-80732         1°2516           des. node         31358 Feb 08 15.55         4°H.1537         1.36895 AU         max. Earth dist.         13159 Jan 20 09.10         16°s-8038         1.3489 AU           evening rise         13158 Feb 12 10.04         1°H.1109         0°C         6ces. node         13159 Jan 20 90.10         0°P         15°8-1830 AU           evening max el         13158 Mar 19 18.17         0°B         25°9142         25°9144         13159 Mar 20 12.07         15°97-30         0°P           evening max el         13158 Apr 10 18.33         6°B319         6°B319         evening max el         13158 Apr 10 18.33         6°B319         18°97-30         2°9°7-303 </td <td>morning set</td> <td>13158 Jan 26 03:05</td> <td>7°<b>≈</b>12'59</td> <td></td> <td>morning set</td> <td>13159 Jan 10 12:41</td> <td>21°<b>る</b>57'26</td> <td></td>	morning set	13158 Jan 26 03:05	7° <b>≈</b> 12'59		morning set	13159 Jan 10 12:41	21° <b>る</b> 57'26	
minimum elong						13159 Jan 14 08:04	0° <b>≈</b> ≈	
max. Farth disk	superior conj	13158 Feb 02 20:11	22° <b>≈</b> 56′04	1°07'48				
max. Earth dist.         13158 Feb 0 8 15.55         4°H1573         1.08895 AU         max. Earth dist.         13159 Jan 22 0.04         16°8-08°3         1.34890 AU           desc. node         13158 Feb 1 2 10.04         11°H1109         cevening rise         13159 Jan 29 0.010         0°H         cevening rise         13159 Jan 29 0.010         0°H         cevening rise         13159 Patr 17 0.320         0°P         cevening max el         13159 Patr 17 0.320         0°P         cevening max el         13159 Mar 19 2.19         22'19         2°B132         2°8'349         cevening max el         13159 Mar 19 2.10         15°P 5975         26°4030         0°P         cevening max el         13159 Mar 19 0.01         15°P 5975         26°4030         0°P         cevening max el         13159 Mar 19 0.01         15°P 5975         26°4030         0°P         28°230         cevening max el         13159 Mar 15 15.05         23°P 75701         28°4030         0°P         28°4030         13159 Mar 15 15.05         23°P 75701         28°4030         13158 Mar 15 15.00         23°P 75701         38°100         13158 Mar 25 15.58         17°P 1513         38°100         13158 Mar 25 15.58         17°P 1513         38°100         14°P 72020         14°P 2020         14°P 2020         14°P 2020         14°P 2020         14°P 2020         14°P 2020         14°P 2020 <td>minimum elong</td> <td>13158 Feb 02 22:57</td> <td>23°<b>≈</b>09'53</td> <td>1°08'07</td> <td>superior conj</td> <td>13159 Jan 17 17:35</td> <td>7°<b>≈</b>09'08</td> <td>1°24'37</td>	minimum elong	13158 Feb 02 22:57	23° <b>≈</b> 09'53	1°08'07	superior conj	13159 Jan 17 17:35	7° <b>≈</b> 09'08	1°24'37
desc. node   3158 Feb   11   908   10   908   17   1817   1918   191		13158 Feb 06 10:21	0° <b>)</b>		minimum elong	13159 Jan 17 19:46	7° <b>≈</b> 20'32	1°25'16
Part	max. Earth dist.	13158 Feb 08 15:55		1.36895 AU	max. Earth dist.	13159 Jan 22 03:04	16° <b>≈</b> 08'38	1.34890 AU
Part	desc. node	13158 Feb 11 19:08			evening rise	13159 Jan 26 07:02		
Cevening max el   13158 Mar 17 18:17   9°28   2°81342   2°81944   evening max el   13159 Mar 02 12:07   15°76953   26°4039	evening rise	13158 Feb 12 10:04				13159 Jan 29 09:10		
cenning max el         13158 Mar 19         22:19         2°813'22         2°8'39'44         evening max el         13159 Mar 12         12:07         15°°Y5'95'3         26°40'39'           retrograde         13158 Apr 0         13158 Apr 0         6°85'43'9         evening set         13159 Mar 12         20:04         20°7'50'50'         asc. node         13158 Apr 22         0:05'4         20°7'50'50'         asc. node         13158 Apr 22         15:58         17°°1'51'3         asc. node         13159 Mar 22         0:05         20°1'1'51'3         asc. node         13158 Apr 18         14"1'20'20'7         0*44'59         min. Earth dist.         13159 Mar 28         0:00         16°7'46'13         0.6304 AU         min. Earth dist.         13158 Mar 28         0:00         14"7'26'27         0*44'59         min. Earth dist.         13159 Mar 28         0:00         14"7'26'27         0*44'59         min. Earth dist.         13158 Mar 28         0:00         44"7'26'27         0*44'59         min. Earth dist.         13158 Mar 28         0:00         14"7'26'27         0*44'59         direct         13158 Mar 28         0:00         14"7'26'27         0*44'59         direct         13158 Mar 28         0:00         14"7'26'27         0*4'4'59         direct         13158 Mar 28         0:00         14"7'26'27         0*		13158 Feb 23 13:46			desc. node			
Petrograde   13158 Apr   01   08:13   9°B   22°B   February   February   13159 Mar   15   15:05   23°P(2301)   20°P(15:05   20°P(15:		13158 Mar 17 18:17				13159 Feb 17 03:36		
evening set   13158 Apr 07 07.41   6°B-5439   evening set   13159 Mar 22 00.54   20°P'50'56   38c. node   13158 Mar 25 15.78   17°P'15'13'   38c. node   13158 Mar 26 02.02   16°P'05'15'   37°P'15'13'   37°P'15'   37°P	•		_	25°39'44	-			26°40'39
Seconde   13158 Apr 17 18-33   6°8 31'01   seconde   13159 Mar 25 15:58   17°°° 15'13   seconde   min. Earth dist.   13159 Mar 25 15:58   17°° 15'13   30° 84' 14' 14'30   30° 84' 24' 7 18' 15' 14' 14' 13' 13' 15' 18' 18' 18' 18' 14' 14' 13' 18' 18' 18' 18' 18' 18' 18' 18' 18' 18	-	-	_		-			
min. Earth dist.   13158 Apr 13 14:30   2°8 1542   0.67574 AU   min. Earth dist.   13159 Mar 26 02:02   16°9 46'13   0.66304 AU inferior conj   13158 Apr 13 01:23   0°8 24'72   1°35'20   inferior conj   13159 Mar 26 02:02   16°9 46'13   0.66304 AU inferior conj   13159 Mar 28 02:00   46°9 26'70   0°44'59   0°44	=	-			Č			
minimum elong morning rise morning rise morning rise morning rise morning max el morning max el morning max el morning max el morning max morning set m		-						
minimum clong		-	_					
morning rise   13158 Apr   13   09.03   30°R°Y   morning rise   13159 Apr   03   00.14   8°P'4703   7°P'S800   direct   13159 Apr   12   09.42   11°P'21'53   18°17'29   morning max el   13158 Apr   22   01.19   23°P'2743   morning max el   13158 Apr   22   01.19   23°P'2743   morning max el   13158 Apr   28   02.57   27°P'0941   18°S8'46   morning max el   13159 Apr   25   19.57   0°B   morning max el   13158 May   01   11.34   0°B   desc. node   13159 Apr   27   17.59   3°B'02'26   desc. node   13158 May   01   21.19   12°B'593   morning set   13158 May   01   21.19   12°B'593   morning set   13158 May   12   04.38   14°B'57'21   -0.7m   morning set   13159 May   14   17.56   0°E   morning set   13158 May   12   03.37   29°B'48'33   max. Earth dist.   13158 Jun   04   22.49   21°H44'27   1.45515 AU   minimum elong   13159 May   17   13.24   4°E   14°E	•	-	_		-			
morning rise   13158 Apr   18   154   24 ° γ 3402   morning max el   13159 Apr   12   0.242   11 ° γ 2153   18 ° 1729   morning max el   13158 Apr   28   0.573   27 ° γ 0 ° 94   18 ° 58 ′ 46   morning max el   13159 Apr   12   0.242   11 ° γ 2153   18 ° 1729   morning max el   13158 Apr   28   0.573   27 ° γ 0 ° 94   18 ° 58 ′ 46   desc. node   13159 Apr   25   19.57   0° 8	minimum elong	-	_	1°34'16	_			0°44'25
morning max el   13158 Apr   22   01:19   23°°√2743   8°17'29   morning max el   13159 Apr   12   09:42   11°°√21'53   18°17'29   morning max el   13158 Apr   28   20:57   27°°√09'41   18°58'46   morning set   13159 Apr   25   19:57   0°8   3°80'226   desc. node   13158 May 10   11:34   0°8   desc. node   13159 Apr   25   19:57   0°8   3°80'226   desc. node   13158 May 10   11:34   4°85721   0.7m   13159 May 10   13159 May 10   13159 May 12   07:50   0°1   3158 May 21   20:37   29°848'33   3°158 May 12   23:35   0°1   superior conj   13158 May 21   23:35   0°1   superior conj   13158 May 12   23:35   0°1   superior conj   13159 May 17   05:13   3°15'206   1°58'34   3°15'34		•	•		=	-		
Morning max el   13158 Apr 28 20:57   27°V0941   18°58'46   desc. node   13159 Apr 27 17:59   3°BC0226   13158 May 10 11:134   0°BC   desc. node   13159 Apr 27 17:59   3°BC0226   14°C   13158 May 10 21:19   12°BC939   13159 May 02 01:31   9°BC51'13   13°C   13159 May 02 01:31   9°BC51'13   13°C   13158 May 12 04:38   14°BC721   0.7m   13159 May 17 13:24   4°IL240   1-3°S1'34   13158 May 12 12:35   0°IL   13159 May 17 13:24   4°IL240   1-3°S1'34   13159 May 17 05:13   3°IL5206   13858 May 18 18 18 18 18 18 18 18 18 18 18 18 18	C	-				-		10017120
desc. node   13158 May 0   11:34   0°8   morning set   13159 May 0   20:31   9°855'13		•		10050146	morning max ei	-		18°17'29
Morning set   13158 May 10 21:19   12°\beta59739   70.7m   13159 May 02 01:31   9°\beta5713   70.7m   13158 May 12 04:38   14°\beta5721   70.7m   13159 May 14 17:56   0°\beta17   70.7m   13158 May 12 01:37   29°\beta48'33   70°\beta18	morning max ei	-		18-38-40	dosa noda	-		
moming set   13158 May 12 04:38   14°85721   0.7m   13159 May 14 17:56   0°I   13158 May 21 20:37   29°848'33   14°158 May 21 23:35   0°I   13159 May 17 13:24   4°I 2403   1°58'34   13158 May 21 23:35   0°I   13159 May 17 13:24   4°I 2403   1°58'34   13159 May 18 18:24   6°I 17'23   1.45821 AU   13158 Jun 10 04:46   0°G   13159 Jun 10 21 3:08   29°I 2004   13159 Jun 10 21 3:08   29°I 2004   13158 Jun 10 04:46   0°G   13159 Jun 10 21 3:08   1	dasa nada					•		
Morning set   13158 May 21 20:37   29°848'33   30°		,		0.7m	morning set	•		
Max. Earth dist.   13158 May 21 23:35   0°				-0.7111		13139 May 14 17.30	υщ	
Max. Earth dist.   13158 Jun   04   22:49   21°	morning set		_		superior coni	13159 May 17 13:24	4°∏24'03	-1°58'34
Superior conj   13158 Jun   07   05:48   25°	max Farth dist			1 45515 AU		•		
superior conj         13158 Jun         07         05:48         25° Π20'11         -2° 13'06         evening rise         13159 Jun         02         13:08         29° Π20'47           minimum elong         13158 Jun         10         04:46         0°Φ         greatest brilliancy         13159 Jun         12         13:05° 150         -0.8m           evening rise         13158 Jun         28         19:47         0°Φ         asc. node         13159 Jun         23         05:59         0°Φ           asc. node         13158 Jul         04         16:41         9°Φ(11'59)         evening max el         13159 Jun         23         05:59         0°Φ           asc. node         13158 Jul         12         02:03         18°Ω45'05         18°25'40         retrograde         13159 Jul         02         08:04         6°Ω15'15         70°05'47         9°00'37	max. Dartii dist.	13130 Juli 01 22.17	21 221127	1.15515716	_	~		
Minimum elong   13158 Jun   07   04:10   25° II 13'46   2°14'05   greatest brilliancy   13159 Jun   13   04:06   15° 550'50   -0.8m	superior coni	13158 Jun 07 05:48	25° <b>Ⅲ</b> 20′11	-2°13'06		,		
Participar   Figure   Figur					8			
evening rise	0				greatest brilliancv			-0.8m
asc. node       13158 Jun       28       19:47 $0^{\circ}\Omega$ evening max el       13159 Jun       23       05:59 $0^{\circ}\Omega$ asc. node         evening max el       13158 Jul       04       16:41 $9^{\circ}\Omega$ 11'59       evening max el       13159 Jul       25       12:23 $2^{\circ}\Omega$ 29'07       19°02'37         evening max el       13158 Jul       13158 Jul       12       02:03       18° $\Omega$ 45'05       18°25'40       retrograde       13159 Jul       05       19:11       5° $\Omega$ 05'47         evening set       13158 Jul       21       14:25       21° $\Omega$ 18'41       13159 Jul       10       18:10       30° $\Re$ 5         inferior conj       13158 Jul       27       09:20       15° $\Omega$ 47'25       2°39'16       inferior conj       13159 Jul       10       18:0       29° $\Omega$ 19'48       3°03'06         min. Earth dist.       13158 Jul       27       11:33       15° $\Omega$ 40'50       2°38'02       min. Earth dist.       13159 Jul       11       08:07       29° $\Omega$ 15'30       3°02'00         min. Earth dist.       13158 Aug       0       07:26       9° $\Omega$ 26'26       morning rise       13159 Jul       12       21:10       27° $\Omega$ 17'06       0.66546 AU         morning max el	evening rise		19° <b>©</b> 16'31		-		27° <b>©</b> 54'49	
asc. node   13158 Jul   04   16:41   9°Ω11'59   evening max el   13159 Jun   25   12:23   2°Ω29'07   19°02'37   evening max el   13158 Jul   12   02:03   18°Ω45'05   18°25'40   retrograde   13159 Jul   02   08:04   6°Ω15'15   retrograde   13158 Jul   18   12:17   22°Ω11'52   evening set   13159 Jul   05   19:11   5°Ω05'47   evening set   13158 Jul   21   14:25   21°Ω18'41     13159 Jul   10   18:10   30°R©   inferior conj   13158 Jul   27   09:20   15°Ω47'25   2°39'16   inferior conj   13159 Jul   11   06:47   29°©19'48   3°03'06   minimum elong   13158 Jul   27   11:33   15°Ω40'50   2°38'02   minimum elong   13159 Jul   11   08:07   29°©15'30   3°02'00   min. Earth dist.   13158 Jul   29   14:23   13°Ω10'37   0.64857 AU   min. Earth dist.   13159 Jul   12   21:10   27°©17'06   0.66546 AU   morning rise   13158 Aug   02   07:26   9°Ω26'26   morning rise   13159 Jul   23   01:26   20°©15'50   direct   13158 Aug   08   20:11   7°Ω01'33   direct   13159 Jul   24   17:33   20°©26'03   morning max el   13158 Aug   20   09:43   14°Ω44'37   27°17'20   morning max el   13159 Aug   04   20:39   27°©53'41   26°14'15	<b>5</b> -							
retrograde   13158 Jul   18   12:17   22°Ω11'52   evening set   13159 Jul   05   19:11   5°Ω05'47   evening set   13158 Jul   21   14:25   21°Ω18'41   13159 Jul   10   18:10   30°R©     13159 Jul   10   18:10   30°R©     13158 Jul   27   09:20   15°Ω47'25   2°39'16   inferior conj   13159 Jul   11   06:47   29°©19'48   3°03'06   minimum elong   13158 Jul   27   11:33   15°Ω40'50   2°38'02   minimum elong   13159 Jul   11   08:07   29°©15'30   3°02'00   min. Earth dist.   13158 Jul   29   14:23   13°Ω10'37   0.64857 AU   min. Earth dist.   13159 Jul   16   20:24   22°©56'00   desc. node   13158 Aug   02   07:26   9°Ω26'26   morning rise   13159 Jul   16   20:24   22°©56'00   direct   13158 Aug   08   20:11   7°Ω01'33   direct   13159 Jul   23   01:26   20°©15'50   direct   13158 Aug   08   20:18   6°Ω47'13   desc. node   13159 Jul   24   17:33   20°©26'03   morning max el   13158 Aug   02   09:43   14°Ω44'37   27°17'20   morning max el   13159 Aug   04   20:39   27°©53'41   26°14'15   13158 Sep   03   20:28   0°M   13159 Aug   28   13:39   0°M   13159 Aug   29   13:45   20°M   13159 Aug   29   13:45   20°M   13159 Aug   29   13:4	asc. node	13158 Jul 04 16:41			evening max el	13159 Jun 25 12:23		19°02'37
evening set 13158 Jul 21 14:25 21°\$\Omega\$18'41	evening max el	13158 Jul 12 02:03	18° <b>Ω</b> 45'05	18°25'40	retrograde	13159 Jul 02 08:04	6° <b>Ω</b> 15'15	
evening set 13158 Jul 21 14:25 21°\$\Omega\$18'41	-				-			
minimum elong min. Earth dist. 13158 Jul 27 11:33 15° Ω40'50 2°38'02 minimum elong min. Earth dist. 13158 Jul 29 14:23 13° Ω10'37 0.64857 AU morning rise 13158 Aug 02 07:26 9° Ω26'26 morning rise disc. node 13158 Aug 08 20:11 7° Ω01'33 direct 13159 Jul 23 01:26 20° Ξ15'30 desc. node 13158 Aug 08 20:18 6° Ω47'13 desc. node 13159 Jul 24 17:33 20° Ξ26'03 morning max el 13158 Aug 22 09:43 14° Ω44'37 27°17'20 morning max el 13159 Aug 06 20:32 0° Ω 13158 Sep 03 20:28 0° № 13159 Aug 08 20:32 0° Ω 13159 Aug 08 20:32 0° Ω 13159 Aug 08 20:34 13159	evening set	13158 Jul 21 14:25	21° <b>Ω</b> 18'41			13159 Jul 10 18:10	30° <b>ℝ</b> ∽	
min. Earth dist. 13158 Jul 29 14:23 13°Ω10'37 0.64857 AU min. Earth dist. 13159 Jul 12 21:10 27°©17'06 0.66546 AU morning rise 13158 Aug 02 07:26 9°Ω26'26 morning rise 13159 Jul 16 20:24 22°©56'00 direct 13158 Aug 08 20:11 7°Ω01'33 direct 13159 Jul 23 01:26 20°©15'50 direct 13158 Aug 08 20:18 6°Ω47'13 desc. node 13159 Jul 24 17:33 20°©26'03 morning max el 13158 Aug 22 09:43 14°Ω44'37 27°17'20 morning max el 13159 Aug 04 20:39 27°©53'41 26°14'15 13158 Sep 03 20:28 0°№ 13159 Aug 06 20:32 0°Ω 13159 Aug 06 20:32 0°Ω 13159 Aug 06 20:32 0°Ω 13159 Aug 07 20:39 13159 Aug 07 20:39 13159 Aug 08 20:30 13159 Aug 08 20:30 0°Ω 13159 Aug 08 20:30 0°	inferior conj	13158 Jul 27 09:20	15° <b>Ω</b> 47'25	2°39'16	inferior conj	13159 Jul 11 06:47	29° <b>5</b> 19'48	3°03'06
morning rise       13158 Aug 02 07:26 $9^{\circ}\Omega 26'26$ morning rise       13159 Jul 16 20:24 $22^{\circ}\mathfrak{S}56'00$ desc. node       13158 Aug 06 20:11 $7^{\circ}\Omega 01'33$ direct       13159 Jul 23 01:26 $20^{\circ}\mathfrak{S}15'50$ direct       13158 Aug 08 20:18 $6^{\circ}\Omega 47'13$ desc. node       13159 Jul 24 17:33 $20^{\circ}\mathfrak{S}26'03$ morning max el       13158 Aug 22 09:43 $14^{\circ}\Omega 44'37$ 27°17'20       morning max el       13159 Aug 04 20:39 $27^{\circ}\mathfrak{S}53'41$ 26°14'15         13158 Sep 03 20:28 $0^{\circ}\mathfrak{M}$ 13159 Aug 28 13:39 $0^{\circ}\mathfrak{M}$ morning set       13158 Sep 26 19:51 $8^{\circ}\mathfrak{L}26'34$ morning set       13159 Sep 09 19:45 $21^{\circ}\mathfrak{M}13'59$	minimum elong	13158 Jul 27 11:33	15° <b>Ω</b> 40′50	2°38'02	minimum elong	13159 Jul 11 08:07	29° <b>©</b> 15'30	3°02'00
desc. node       13158 Aug 06 20:11 $7^{\circ}\Omega$ 01'33       direct       13159 Jul 23 01:26 $20^{\circ}$ \$15'50         direct       13158 Aug 08 20:18 $6^{\circ}\Omega$ 47'13       desc. node       13159 Jul 24 17:33 $20^{\circ}$ \$26'03         morning max el       13158 Aug 22 09:43 $14^{\circ}\Omega$ 44'37 27°17'20       morning max el       13159 Aug 04 20:39 $27^{\circ}$ \$53'41 26°14'15         13158 Sep 03 20:28 $0^{\circ}$ \$\mathrm{N}\$       13159 Aug 06 20:32 $0^{\circ}\Omega$ 13158 Sep 20 8:53 $0^{\circ}$ \$\mathrm{\Omega}\$       13159 Aug 28 13:39 $0^{\circ}$ \$\mathrm{N}\$         morning set       13158 Sep 26 19:51 $8^{\circ}$ \$\mathrm{\Omega}\$26'34       morning set       13159 Sep 09 19:45 $21^{\circ}$ \$\mathrm{N}\$13'59	min. Earth dist.		13° <b>Ω</b> 10′37	0.64857 AU	min. Earth dist.	13159 Jul 12 21:10	27°517'06	0.66546 AU
direct 13158 Aug 08 20:18 6° $\Omega$ 47'13 desc. node 13159 Jul 24 17:33 20° $\Omega$ 26'03 morning max el 13158 Aug 22 09:43 14° $\Omega$ 44'37 27°17'20 morning max el 13159 Aug 04 20:39 27° $\Omega$ 53'41 26°14'15 13158 Sep 03 20:28 0° $\Omega$ 13159 Aug 06 20:32 0° $\Omega$ 13159 Aug 06 20:32 0° $\Omega$ morning set 13158 Sep 26 19:51 8° $\Omega$ 26'34 morning set 13159 Sep 09 19:45 21° $\Omega$ 13'59 Sep 09 19:45	morning rise	13158 Aug 02 07:26			morning rise	13159 Jul 16 20:24	22° <b>©</b> 56'00	
morning max el   13158 Aug 22 09:43   14°Ω44'37   27°17'20   morning max el   13159 Aug 04 20:39   27°55'41   26°14'15     13158 Sep 03 20:28   0° th   13159 Aug 06 20:32   0°Ω     13158 Sep 20 08:53   0°Ω   13159 Aug 28 13:39   0° th     morning set   13158 Sep 26 19:51   8°Ω26'34   morning set   13159 Sep 09 19:45   21° th 13'59	desc. node	13158 Aug 06 20:11	7° <b>ん</b> 01'33		direct	13159 Jul 23 01:26	20°915'50	
13158 Sep 03 20:28 0° th 13159 Aug 06 20:32 0° Ω 13158 Sep 22 08:53 0° Ω 13159 Aug 28 13:39 0° th 13159 Aug 28 13:39 10° th 13159 Sep 09 19:45 21° th 13'59	direct	13158 Aug 08 20:18	6° <b>Ω</b> 47'13		desc. node	13159 Jul 24 17:33	20° <b>5</b> 26'03	
13158 Sep 22 08:53 0° ♀ 13159 Aug 28 13:39 0° № morning set 13158 Sep 26 19:51 8° ♀ 26'34 morning set 13159 Sep 09 19:45 21° № 13'59	morning max el	-		27°17'20	morning max el	-		26°14'15
morning set 13158 Sep 26 19:51 8° <b>≙</b> 26'34 morning set 13159 Sep 09 19:45 21° <b>m</b> 13'59		-	-			-		
		=				-	-	
asc. node 13158 Sep 30 18:15 16°♀18'06 max. Earth dist. 13159 Sep 13 16:04 28°₱33'30 1.34929 AU	•	-			=	-		
	asc. node	13158 Sep 30 18:15	16~ <del>11</del> 18'06		max. Earth dist.	13159 Sep 13 16:04	28° m)33′30	1.34929 AU

	13159 Sep 14 09:46	0∘ <b>⊽</b>		morning max el	13160 Jul 17 07:03	11° <b>©</b> 17'07	24052118
asc. node	13159 Sep 17 14:50	0 <b>==</b> 6° <b>£</b> 24'27		morning max er	13160 Aug 01 05:51	0°Ω	24 33 16
asc. Houc	13139 Sep 17 14.30	0 = 24 27			13160 Aug 20 06:26	0° <b>m</b> )	
superior conj	13159 Sep 18 23:36	9° <b>≏</b> 11'24	0°12'55	morning set	13160 Aug 22 03:03	3° m) 15'24	
minimum elong	13159 Sep 18 22:53	9° <b>Ω</b> 07'44	0°12'50	max. Earth dist.	13160 Aug 25 16:53	9° m 42'06	1.37041 AU
behind sun begin	13159 Sep 18 19:14	8° <b>≏</b> 49'06	0 12 30	max. Lartii dist.	15100 Aug 25 10.55	) iių +2 00	1.57041710
behind sun end	13159 Sep 10 13:14 13159 Sep 19 02:31	9° <b>₽</b> 26'23		superior conj	13160 Sep 01 10:06	22° m) 27'21	-0°19'09
evening rise	13159 Sep 19 02:51 13159 Sep 26 13:59	25° <b>£</b> 00'56		minimum elong	13160 Sep 01 10:00	22° m 33'29	
e vening rise	13159 Sep 29 00:09	0°M		asc. node	13160 Sep 03 11:25	26° m/30'38	0 19 00
evening max el	13159 Oct 15 08:03	25°M56'06	20°43'12	use. Houe	13160 Sep 05 11:25	0ಂ <del>⊽</del>	
desc. node	13159 Oct 19 00:05	29°M57'12	20 13 12	evening rise	13160 Sep 09 18:17	∘ <b>_</b> 9° <b>_</b> 09'34	
dese. node	13159 Oct 20 15:56	0° <b>⊼</b>		evening rise	13160 Sep 21 03:31	0°M	
retrograde	13159 Oct 26 16:34	1° <b>х</b> 34'36		evening max el	13160 Sep 26 18:28	7° <b>M</b> L06'19	19°31'23
evening set	13159 Oct 29 00:07	1° <b>х</b> 21'35		retrograde	13160 Oct 06 11:13	11°ML57'05	.,
e venning see	13159 Nov 02 04:28	30°RM		desc. node	13160 Oct 06 11:17	11°ML57'05	
inferior conj	13159 Nov 06 24:00	27°M27'12	-4°55'01	evening set	13160 Oct 08 08:07	11°ML47'03	
minimum elong	13159 Nov 06 14:10	27° <b>M</b> 41'18	4°51'50	inferior conj	13160 Oct 17 01:24	7° <b>M</b> .41'19	-3°16'28
min. Earth dist.	13159 Nov 08 00:44	26°M51'44	0.54609 AU	minimum elong	13160 Oct 16 17:02		3°12'57
morning rise	13159 Nov 15 04:09	23°M31'10		min. Earth dist.	13160 Oct 19 10:17	6° <b>M</b> ₊10'37	0.55478 AU
direct	13159 Nov 19 11:30	22°M51'25		morning rise	13160 Oct 24 23:57	3°M16'51	
morning max el	13159 Dec 02 16:13	29° <b>™</b> 15'29	23°18'52	direct	13160 Oct 30 03:41	2°M17'25	
5 5	13159 Dec 03 10:37	0° <b>∡</b> 7		morning max el	13160 Nov 13 02:15	9°M16'05	25°06'23
asc. node	13159 Dec 14 15:54	14° <b>√</b> 54'42		. 8	13160 Nov 28 12:07	0° <b>∡¹</b>	
	13159 Dec 22 18:55	0°る		asc. node	13160 Nov 30 12:51	3° <b>х</b> 34′52	
morning set	13159 Dec 26 00:16	6° <b>ප</b> 43'51		morning set	13160 Dec 09 12:04	21° <b>×</b> 727'24	
8				. 8	13160 Dec 13 10:00	5°0	
superior conj	13160 Jan 01 21:56	21° <b>る</b> 39'22	1°34'38				
minimum elong	13160 Jan 01 23:08	21° <b>ප්</b> 45'50	1°35'33	superior conj	13160 Dec 16 06:47	6° <b>る</b> 19'50	1°38'17
max. Earth dist.	13160 Jan 04 21:56	28° <b>පි</b> 03'07	1.33258 AU	minimum elong	13160 Dec 16 06:52	6° <b>ට</b> 20'20	1°39'18
	13160 Jan 05 20:15	0° <b>≈</b>		max. Earth dist.	13160 Dec 18 00:06	10° <b>පි</b> 06'40	1.32084 AU
evening rise	13160 Jan 09 16:55	7° <b>≈</b> 51'37		evening rise	13160 Dec 23 12:34	21° <b>る</b> 51'22	
desc. node	13160 Jan 16 12:28	20° <b>≈</b> 43'53		<i>8</i> 21	13160 Dec 27 14:24	0° <b>≈</b>	
	13160 Jan 21 21:59	0° <b>\</b>		desc. node	13161 Jan 02 09:18	10° <b>≈</b> 39'42	
evening max el	13160 Feb 13 01:30	29° <b>)</b> 30′12	27°20'44		13161 Jan 14 19:28	0° <b>)</b> €	
	13160 Feb 13 14:04	0°Υ		evening max el	13161 Jan 25 12:34	12° <b>)</b> 31'32	27°33'06
retrograde	13160 Feb 26 15:31	6° <b>Ƴ</b> 56'41		retrograde	13161 Feb 08 08:43	19° <b>)</b> 54'32	
evening set	13160 Mar 04 09:28	4° <b>Y</b> 26'18		evening set	13161 Feb 15 06:53	17° <b>)</b> € 33'00	
min. Earth dist.	13160 Mar 08 06:08	0° <b>Y</b> ′53'47	0.64663 AU	min. Earth dist.	13161 Feb 19 00:56	14° <b>¥</b> 28'31	0.62716 AU
	13160 Mar 09 02:18	30° <b>₽</b> ₩		inferior conj	13161 Feb 21 22:13	11° <b>)</b> (41'09	
inferior conj	13160 Mar 10 17:04	28° <b>)</b> 14'29	-0°16'27	minimum elong	13161 Feb 22 01:12	11° <b>)</b> 33'55	1°27'00
minimum elong	13160 Mar 10 17:33	28° <b>)</b> 13'10	0°16'07	asc. node	13161 Feb 26 10:50	7° <b>)</b> 48'24	
asc. node	13160 Mar 11 13:24	27° <b>¥</b> 19'52		morning rise	13161 Feb 28 22:07	6° <b>)</b> 31'44	
morning rise	13160 Mar 17 03:30	22° <b>)</b> (48'36		direct	13161 Mar 03 05:08	6° <b>₩</b> 07'18	
direct	13160 Mar 19 17:50	22° <b>)</b> 13'37		morning max el	13161 Mar 09 20:04	9° <b>¥</b> 29'33	17°46'30
morning max el	13160 Mar 26 02:22	25° <b>)</b> (31'13	17°53'15	. 8	13161 Mar 23 12:47	0° <b>Υ</b>	
5 5	13160 Mar 29 22:06	0° <b>Υ</b>		morning set	13161 Mar 25 20:54	4° <b>Υ</b> 05'04	
morning set	13160 Apr 12 10:55	21° <b>Y</b> °25'09		desc. node	13161 Mar 31 11:07	13° <b>Y</b> '48'33	
desc. node	13160 Apr 13 14:34	23° <b>Y</b> ′20′18					
	13160 Apr 17 15:07	0°8		superior conj	13161 Apr 06 18:52	24° <b>Y</b> 30'35	-0°47'47
	1			minimum elong	13161 Apr 06 14:07	24° <b>Υ</b> 10'50	0°47'24
superior conj	13160 Apr 26 05:28	13° <b>8</b> 56'27	-1°27'15	3	13161 Apr 10 02:54	0°8	
minimum elong	13160 Apr 25 20:52	13° <b>8</b> 22'07		max. Earth dist.	13161 Apr 13 08:13	5° <b>8</b> 12'32	1.44231 AU
max. Earth dist.	13160 Apr 30 14:32	20° <b>8</b> 52'39	1.45376 AU	evening rise	13161 Apr 21 15:55	18° <b>8</b> 17'00	
	13160 May 06 10:46	$\Pi^{\circ}0$		C	13161 Apr 29 09:10	$\Pi^{\circ}0$	
evening rise	13160 May 12 03:48	8° <b>Ⅱ</b> 47'57		evening max el	13161 May 21 16:44	0°904'02	21°02'09
<i>8</i> 11	13160 May 26 05:37	0ಂತಾ		<b>&amp;</b>	13161 May 21 15:08	0ංම	
greatest brilliancy	13160 May 26 22:00	0° <b>©</b> 59'39	-0.6m	asc. node	13161 May 25 07:44	3° <b>©</b> 11'32	
asc. node	13160 Jun 07 10:38	15°958'52		retrograde	13161 May 30 05:21	5°901'53	
evening max el	13160 Jun 07 17:31	16°5516'20	19°55'36	evening set	13161 Jun 03 12:11	3°519'07	
retrograde	13160 Jun 15 06:30	20°533'48	-	<u> </u>	13161 Jun 06 15:08	30°RⅡ	
evening set	13160 Jun 19 03:07	19° <b>©</b> 07'32		inferior conj	13161 Jun 08 18:13	27° <b>I</b> 107'49	3°10'03
inferior conj	13160 Jun 24 10:33	13°508'04	3°12'38	minimum elong	13161 Jun 08 17:31	27° <b>I</b> 10'14	3°09'00
minimum elong	13160 Jun 24 10:51	13°500'04	3°11'37	min. Earth dist.	13161 Jun 09 04:28	26° <b>Ⅲ</b> 32'12	0.68579 AU
min. Earth dist.	13160 Jun 25 10:30	11° <b>5</b> 67'04	0.67795 AU	morning rise	13161 Jun 13 22:37	20° <b>I</b> I49'46	
morning rise	-5.55 5411 25 10.50	(/ 1/	5.51175110		-5.5.5411 15 44.57		
	13160 Jun 29 18:15	6°9545'51		direct	13161 Jun 19 04:25	18°∏32'06	
direct	13160 Jun 29 18:15	6°\$45'51 4°\$13'38		direct	13161 Jun 19 04:25	18°∏32'06 22°∏42'16	
direct desc. node	13160 Jun 29 18:15 13160 Jul 05 12:28 13160 Jul 10 14:49	6°\$45'51 4°\$13'38 5°\$48'45		direct desc. node morning max el	13161 Jun 19 04:25 13161 Jun 27 11:59 13161 Jun 29 17:30	18° <b>П</b> 32'06 22° <b>П</b> 42'16 24° <b>П</b> 48'59	23°24'08

inferior conj	13163 May 08 12:56	25° <b>8</b> 27'06	2°33'07	morning rise	13164 Apr 27 06:34	3° <b>8</b> 42'08	
minimum elong	13163 May 08 10:54	25° <b>8</b> 34'03	2°31'53	direct	13164 Apr 30 22:50	2° <b>8</b> 24'29	
morning rise	13163 May 13 18:43	19° <b>8</b> 22'23		morning max el	13164 May 08 03:12	6° <b>8</b> 22'01	19°29'53
direct	13163 May 17 23:01	17° <b>8</b> 44'04		desc. node	13164 May 18 02:49	18° <b>8</b> 58'01	
morning max el	13163 May 26 01:05	22° <b>8</b> 20'00	20°36'21	greatest brilliancy	13164 May 20 18:59	22° <b>8</b> 50'57	-0.7m
desc. node	13163 Jun 01 06:00	29° <b>8</b> 32'56			13164 May 25 13:59	$\Pi^{\circ}$	
	13163 Jun 01 14:20	$\Pi^{\circ}$		morning set	13164 Jun 02 09:21	11° <b>Ⅱ</b> 54'20	
	13163 Jun 22 05:43	0°€			13164 Jun 14 00:41	0°€	
morning set	13163 Jun 24 08:10	3° <b>©</b> 14'41		max. Earth dist.	13164 Jun 14 13:29	0° <b>©</b> 50'28	1.45022 AU
max. Earth dist.	13163 Jul 02 23:06	16° <b>9</b> 51'23	1.43612 AU				
				superior conj	13164 Jun 18 16:20	7° <b>©</b> 22'40	-2°12'11
superior conj	13163 Jul 09 12:21	27° <b>©</b> 34'59	-1°56'16	minimum elong	13164 Jun 18 19:04	7° <b>©</b> 33'35	2°13'08
minimum elong	13163 Jul 09 19:14	28° <b>©</b> 03'40	1°56'40	evening rise	13164 Jul 02 17:53	0° <b>Ω</b> 22'48	
	13163 Jul 10 23:03	$0^{\circ}\Omega$			13164 Jul 02 12:25	$0^{\circ}\Omega$	
evening rise	13163 Jul 21 19:56	18° <b>Ω</b> 44'13		asc. node	13164 Jul 11 22:08	15° <b>Ω</b> 32'46	
asc. node	13163 Jul 26 01:22	26° <b>Ω</b> 08'24		evening max el	13164 Jul 21 05:26	28° <b>Ω</b> 15′18	18°12'11
	13163 Jul 28 07:12	0° <b>m</b> y			13164 Jul 23 06:12	0° <b>m</b> y	
evening max el	13163 Aug 07 15:07	14° <b>m</b> )48'01	18°02'57	retrograde	13164 Jul 27 13:54	1° Mp 36'37	
retrograde	13163 Aug 14 03:58	18° <b>m</b> ) 10'25		evening set	13164 Jul 30 11:11	0° <b>m</b> 51'59	
evening set	13163 Aug 16 16:55	17° <b>m</b> 39'24			13164 Jul 31 20:44	30°R <b>Ω</b>	
inferior conj	13163 Aug 23 06:41	12° Mp 34'36	1°25'20	inferior conj	13164 Aug 05 11:52	25° <b>Ω</b> 29'33	2°17'57
minimum elong	13163 Aug 23 08:55	12° <b>m</b> 29'03	1°24'12	minimum elong	13164 Aug 05 14:22	25° <b>Ω</b> 22'31	2°16'40
min. Earth dist.	13163 Aug 26 07:44	9° <b>m</b> 33'25	0.61534 AU	min. Earth dist.	13164 Aug 08 00:51	22° <b>Ω</b> 39'11	0.63722 AU
desc. node	13163 Aug 28 03:48	7° <b>m</b> 54′27		morning rise	13164 Aug 11 15:53	19° <b>Ω</b> 13'16	
morning rise	13163 Aug 29 22:19	6°₩33'19		desc. node	13164 Aug 14 01:15	17° <b>Ω</b> 41'44	
direct	13163 Sep 05 14:13	4° <b>m</b> 15'55		direct	13164 Aug 18 07:17	16° <b>Ω</b> 39'33	
morning max el	13163 Sep 19 18:48	12° <b>m</b> ) 14'25	27°58'27	morning max el	13164 Sep 01 03:59	24° <b>Ω</b> 40′22	27°41'55
	13163 Oct 03 20:54	0० <b>ত</b>			13164 Sep 06 00:02	0° <b>m</b> y	
	13163 Oct 21 02:01	$0^{\circ}$ M			13164 Sep 26 07:31	0∘ <b>亚</b>	
asc. node	13163 Oct 22 03:16	2°MJ07'11		morning set	13164 Oct 06 00:55	18° <b>≏</b> 08'34	
morning set	13163 Oct 23 06:55	4° <b>M</b> 28'41		asc. node	13164 Oct 07 23:53	22° <b>≏</b> 05'55	
max. Earth dist.	13163 Oct 28 21:46	16° <b>M</b> 27'48	1.31580 AU	max. Earth dist.	13164 Oct 10 22:02	28° <b>≏</b> 10'49	1.32473 AU
					13164 Oct 11 18:37	0°M₊	
superior conj	13163 Oct 30 15:46	20°M18'50	1°13'50				
			1 15 5 5				
minimum elong	13163 Oct 30 13:32	20°M06'34	1°14'14	superior conj	13164 Oct 13 22:30	4°M38'45	0°54'21
C	13163 Oct 30 13:32 13163 Nov 04 00:47	20° <b>™</b> 06'34 0° <b>√</b>		minimum elong	13164 Oct 13 22:30 13164 Oct 13 20:20	4°M26'58	0°54'21 0°54'27
minimum elong evening rise		20°M06'34 0°⊀ 5°⊀07'02				4° <b>ጤ</b> 26'58 19° <b>ጤ</b> 39'24	
C	13163 Nov 04 00:47	20°M06'34 0°ダ 5°ダ07'02 0°る		minimum elong	13164 Oct 13 20:20	4°M26'58	
C	13163 Nov 04 00:47 13163 Nov 06 09:05	20°M06'34 0°ダ 5°ダ07'02 0°ठ 7°ठ06'33	1°14'14	minimum elong	13164 Oct 13 20:20 13164 Oct 20 20:17	4° <b>ጤ</b> 26'58 19° <b>ጤ</b> 39'24	
evening rise	13163 Nov 04 00:47 13163 Nov 06 09:05 13163 Nov 19 08:01 13163 Nov 24 00:23 13163 Dec 02 09:24	20°M06'34 0°ダ 5°ダ07'02 0°る	1°14'14	minimum elong evening rise	13164 Oct 13 20:20 13164 Oct 20 20:17 13164 Oct 25 19:56	4°M26'58 19°M39'24 0°⊀ 24°⊀00'33 27°⊀05'41	0°54'27
evening rise desc. node	13163 Nov 04 00:47 13163 Nov 06 09:05 13163 Nov 19 08:01 13163 Nov 24 00:23	20°M06'34 0°ズ 5°ズ'07'02 0°궁 7°궁06'33 17°궁01'10 23°궁54'53	1°14'14	minimum elong evening rise desc. node	13164 Oct 13 20:20 13164 Oct 20 20:17 13164 Oct 25 19:56 13164 Nov 09 21:37	4°M26'58 19°M39'24 0°⊀ 24°⊀00'33 27°⊀05'41 0°♂	0°54'27
evening rise  desc. node evening max el	13163 Nov 04 00:47 13163 Nov 06 09:05 13163 Nov 19 08:01 13163 Nov 24 00:23 13163 Dec 02 09:24	20°M06'34 0°ダ 5°ダ07'02 0°उ 7°उ06'33 17°उ01'10	1°14'14 24°53'32	minimum elong evening rise desc. node	13164 Oct 13 20:20 13164 Oct 20 20:17 13164 Oct 25 19:56 13164 Nov 09 21:37 13164 Nov 12 19:21	4°M26'58 19°M39'24 0° ₹ 24° ₹00'33 27° ₹05'41 0° ₹ 3°₹42'10	0°54'27
evening rise  desc. node evening max el retrograde evening set min. Earth dist.	13163 Nov 04 00:47 13163 Nov 06 09:05 13163 Nov 19 08:01 13163 Nov 24 00:23 13163 Dec 02 09:24 13163 Dec 16 04:12 13163 Dec 21 17:12 13163 Dec 26 21:18	20°M.06'34 0° ₹ 5° ₹07'02 0° ₹ 7° ₹06'33 17° ₹01'10 23° ₹54'53 22° ₹46'31 20° ₹01'55	1°14'14 24°53'32 0.56503 AU	minimum elong evening rise desc. node evening max el	13164 Oct 13 20:20 13164 Oct 20 20:17 13164 Oct 25 19:56 13164 Nov 09 21:37 13164 Nov 12 19:21 13164 Nov 16 04:56	4°M26'58 19°M39'24 0° ₹ 24° ₹00'33 27° ₹05'41 0° ₹ 3° ₹42'10 3° ₹03'00	0°54'27
evening rise  desc. node evening max el retrograde evening set min. Earth dist. inferior conj	13163 Nov 04 00:47 13163 Nov 06 09:05 13163 Nov 19 08:01 13163 Nov 24 00:23 13163 Dec 02 09:24 13163 Dec 16 04:12 13163 Dec 26 21:18 13163 Dec 29 11:14	20°№06'34 0°♂ 5°♂07'02 0°♂ 7°♂06'33 17°♂01'10 23°♂54'53 22°♂46'31 20°♂01'55 18°♂22'26	1°14'14 24°53'32 0.56503 AU -5°20'31	minimum elong evening rise  desc. node evening max el  retrograde evening set	13164 Oct 13 20:20 13164 Oct 20 20:17 13164 Oct 25 19:56 13164 Nov 09 21:37 13164 Nov 12 19:21 13164 Nov 16 04:56 13164 Nov 26 02:15	4°M26'58 19°M39'24 0° ₹ 24° ₹00'33 27° ₹05'41 0° ₹ 3° ₹42'10 3° ₹03'00 30° ₹₹	0°54'27 23°12'46
evening rise  desc. node evening max el retrograde evening set min. Earth dist. inferior conj minimum elong	13163 Nov 04 00:47 13163 Nov 06 09:05 13163 Nov 19 08:01 13163 Nov 24 00:23 13163 Dec 02 09:24 13163 Dec 16 04:12 13163 Dec 21 17:12 13163 Dec 26 21:18 13163 Dec 29 11:14 13163 Dec 29 18:56	20°M.06'34 0° ₹ 5° ₹07'02 0° ₹ 7° ₹06'33 17° ₹01'10 23° ₹54'53 22° ₹46'31 20° ₹01'55 18° ₹22'26 18° ₹10'02	1°14'14 24°53'32 0.56503 AU -5°20'31	minimum elong evening rise  desc. node evening max el retrograde evening set min. Earth dist.	13164 Oct 13 20:20 13164 Oct 20 20:17 13164 Oct 25 19:56 13164 Nov 09 21:37 13164 Nov 12 19:21 13164 Nov 16 04:56 13164 Nov 26 02:15 13164 Nov 30 08:10	4°M26'58 19°M39'24 0° ₹ 24° ₹00'33 27° ₹05'41 0° ₹ 3° ₹42'10 3° ₹03'00 30° ₹ ₹ 29° ₹51'01	0°54'27 23°12'46 0.55113 AU
evening rise  desc. node evening max el retrograde evening set min. Earth dist. inferior conj minimum elong morning rise	13163 Nov 04 00:47 13163 Nov 06 09:05 13163 Nov 19 08:01 13163 Nov 24 00:23 13163 Dec 02 09:24 13163 Dec 16 04:12 13163 Dec 21 17:12 13163 Dec 26 21:18 13163 Dec 29 11:14 13163 Dec 29 18:56 13164 Jan 06 22:50	20°M.06'34 0° ₹ 5° ₹07'02 0° ₹ 7° ₹06'33 17° ₹01'10 23° ₹54'53 22° ₹46'31 20° ₹01'55 18° ₹22'26 18° ₹10'02 14° ₹15'19	1°14'14 24°53'32 0.56503 AU -5°20'31	minimum elong evening rise  desc. node evening max el retrograde evening set min. Earth dist. inferior conj	13164 Oct 13 20:20 13164 Oct 20 20:17 13164 Oct 25 19:56 13164 Nov 09 21:37 13164 Nov 12 19:21 13164 Nov 16 04:56 13164 Nov 26 02:15 13164 Nov 30 08:10 13164 Dec 06 22:38 13164 Dec 07 04:55 13164 Dec 08 16:08	4°M26'58 19°M39'24 0° ₹ 24° ₹00'33 27° ₹05'41 0° ₹ 3° ₹42'10 3° ₹303'00 30° ₹ ₹ 29° ₹51'01 29° ₹00'08	0°54'27 23°12'46 0.55113 AU -5°55'08
evening rise  desc. node evening max el retrograde evening set min. Earth dist. inferior conj minimum elong morning rise direct	13163 Nov 04 00:47 13163 Nov 06 09:05 13163 Nov 19 08:01 13163 Nov 24 00:23 13163 Dec 02 09:24 13163 Dec 16 04:12 13163 Dec 21 17:12 13163 Dec 26 21:18 13163 Dec 29 11:14 13163 Dec 29 18:56 13164 Jan 06 22:50 13164 Jan 09 06:14	20°M.06'34 0° ₹ 5° ₹07'02 0° ₹ 7° ₹06'33 17° ₹01'10 23° ₹54'53 22° ₹46'31 20° ₹01'55 18° ₹22'26 18° ₹10'02 14° ₹15'19 14° ₹00'24	1°14'14 24°53'32 0.56503 AU -5°20'31	minimum elong evening rise  desc. node evening max el  retrograde evening set  min. Earth dist. inferior conj minimum elong	13164 Oct 13 20:20 13164 Oct 20 20:17 13164 Oct 25 19:56 13164 Nov 09 21:37 13164 Nov 12 19:21 13164 Nov 16 04:56 13164 Nov 26 02:15 13164 Nov 30 08:10 13164 Dec 06 22:38 13164 Dec 07 04:55 13164 Dec 08 16:08 13164 Dec 08 17:25	4°M26'58 19°M39'24 0° ₹ 24° ₹00'33 27° ₹05'41 0° ₹ 3° ₹42'10 3° ₹03'00 30° ₹₹ 29° ₹51'01 29° ₹00'08 28° ₹58'18	0°54'27 23°12'46 0.55113 AU -5°55'08
evening rise  desc. node evening max el retrograde evening set min. Earth dist. inferior conj minimum elong morning rise direct asc. node	13163 Nov 04 00:47 13163 Nov 06 09:05 13163 Nov 19 08:01 13163 Nov 24 00:23 13163 Dec 02 09:24 13163 Dec 16 04:12 13163 Dec 21 17:12 13163 Dec 26 21:18 13163 Dec 29 11:14 13163 Dec 29 18:56 13164 Jan 06 22:50 13164 Jan 09 06:14 13164 Jan 18 02:57	20°M.06'34 0° ₹ 5° ₹07'02 0° ₹ 7° ₹06'33 17° ₹01'10 23° ₹554'53 22° ₹46'31 20° ₹01'55 18° ₹22'26 18° ₹10'02 14° ₹15'19 14° ₹00'24 17° ₹58'38	1°14'14 24°53'32 0.56503 AU -5°20'31 5°18'06	minimum elong evening rise  desc. node evening max el  retrograde evening set  min. Earth dist. inferior conj minimum elong morning rise	13164 Oct 13 20:20 13164 Oct 20 20:17 13164 Oct 25 19:56 13164 Nov 09 21:37 13164 Nov 12 19:21 13164 Nov 16 04:56 13164 Nov 26 02:15 13164 Nov 30 08:10 13164 Dec 06 22:38 13164 Dec 07 04:55 13164 Dec 08 16:08 13164 Dec 08 17:25 13164 Dec 17 04:17	4° M.26′58 19° M.39′24 0° \$\mathrightarrow{7}\$ 24° \$\mathrightarrow{7}\$05′41 0° \$\mathrightarrow{7}\$ 3° \$\mathrightarrow{7}\$42′10 3° \$\mathrightarrow{7}\$03′00 30° R.\$\mathrightarrow{7}\$29° \$\mathrightarrow{7}\$00′08 28° \$\mathrightarrow{7}\$58′18 25° \$\mathrightarrow{7}\$09′47	0°54'27 23°12'46 0.55113 AU -5°55'08
evening rise  desc. node evening max el retrograde evening set min. Earth dist. inferior conj minimum elong morning rise direct	13163 Nov 04 00:47 13163 Nov 06 09:05 13163 Nov 19 08:01 13163 Nov 24 00:23 13163 Dec 02 09:24 13163 Dec 16 04:12 13163 Dec 21 17:12 13163 Dec 26 21:18 13163 Dec 29 11:14 13163 Dec 29 18:56 13164 Jan 06 22:50 13164 Jan 18 02:57 13164 Jan 18 02:57	20°M06'34 0°ダ 5°ダ07'02 0°♂ 7°♂06'33 17°♂01'10 23°♂54'53 22°♂46'31 20°♂01'55 18°♂22'26 18°♂10'02 14°♂15'19 14°♂00'24 17°♂58'38 18°♂37'16	1°14'14 24°53'32 0.56503 AU -5°20'31	minimum elong evening rise  desc. node evening max el  retrograde evening set  min. Earth dist. inferior conj minimum elong morning rise direct	13164 Oct 13 20:20 13164 Oct 20 20:17 13164 Oct 25 19:56 13164 Nov 09 21:37 13164 Nov 12 19:21 13164 Nov 16 04:56 13164 Nov 26 02:15 13164 Nov 30 08:10 13164 Dec 06 22:38 13164 Dec 07 04:55 13164 Dec 08 16:08 13164 Dec 08 17:25 13164 Dec 17 04:17 13164 Dec 20 02:12	4°M26'58 19°M39'24 0° ₹ 24° ₹00'33 27° ₹05'41 0° ₹ 3° ₹42'10 3° ₹03'00 30° ₹ ₹ 29° ₹51'01 29° ₹00'08 28° ₹58'18 25° ₹09'47 24° ₹49'37	0°54'27 23°12'46 0.55113 AU -5°55'08 5°54'06
evening rise  desc. node evening max el retrograde evening set min. Earth dist. inferior conj minimum elong morning rise direct asc. node morning max el	13163 Nov 04 00:47 13163 Nov 06 09:05 13163 Nov 19 08:01 13163 Nov 24 00:23 13163 Dec 02 09:24 13163 Dec 16 04:12 13163 Dec 21 17:12 13163 Dec 26 21:18 13163 Dec 29 11:14 13163 Dec 29 18:56 13164 Jan 06 22:50 13164 Jan 18 02:57 13164 Jan 18 19:30 13164 Jan 27 06:12	20°M06'34 0°ズ 5°ズ07'02 0°♂ 7°♂06'33 17°♂01'10 23°♂54'53 22°♂46'31 20°♂01'55 18°♂22'26 18°♂10'02 14°♂15'19 14°♂00'24 17°♂58'38 18°♂37'16 0°≈	1°14'14 24°53'32 0.56503 AU -5°20'31 5°18'06	minimum elong evening rise  desc. node evening max el  retrograde evening set  min. Earth dist. inferior conj minimum elong morning rise	13164 Oct 13 20:20 13164 Oct 20 20:17 13164 Oct 25 19:56 13164 Nov 09 21:37 13164 Nov 12 19:21 13164 Nov 16 04:56 13164 Nov 26 02:15 13164 Nov 30 08:10 13164 Dec 06 22:38 13164 Dec 07 04:55 13164 Dec 08 16:08 13164 Dec 08 17:25 13164 Dec 17 04:17 13164 Dec 20 02:12 13164 Dec 31 04:42	4° M.26′58 19° M.39′24 0° ₹ 24° ₹00′33 27° ₹05′41 0° ₹ 3° ₹42′10 3° ₹03′00 30° ₹ ₹ 29° ₹51′01 29° ₹00′08 28° ₹58′18 25° ₹09′47 24° ₹49′37 0° ₹07′27	0°54'27 23°12'46 0.55113 AU -5°55'08 5°54'06
evening rise  desc. node evening max el retrograde evening set min. Earth dist. inferior conj minimum elong morning rise direct asc. node	13163 Nov 04 00:47 13163 Nov 06 09:05 13163 Nov 19 08:01 13163 Nov 24 00:23 13163 Dec 02 09:24 13163 Dec 16 04:12 13163 Dec 21 17:12 13163 Dec 26 21:18 13163 Dec 29 11:14 13163 Dec 29 18:56 13164 Jan 06 22:50 13164 Jan 18 02:57 13164 Jan 18 19:30 13164 Jan 27 06:12 13164 Feb 04 20:30	20°M.06'34 0°ズ 5°ズ07'02 0°उ 7°उ06'33 17°उ01'10 23°उ54'53 22°उ46'31 20°उ01'55 18°उ22'26 18°उ10'02 14°उ15'19 14°उ00'24 17°उ58'38 18°उ37'16 0°≈ 16°≈09'36	1°14'14 24°53'32 0.56503 AU -5°20'31 5°18'06	minimum elong evening rise  desc. node evening max el  retrograde evening set  min. Earth dist. inferior conj minimum elong morning rise direct morning max el	13164 Oct 13 20:20 13164 Oct 20 20:17 13164 Oct 25 19:56 13164 Nov 09 21:37 13164 Nov 12 19:21 13164 Nov 16 04:56 13164 Nov 26 02:15 13164 Nov 30 08:10 13164 Dec 06 22:38 13164 Dec 07 04:55 13164 Dec 08 16:08 13164 Dec 08 17:25 13164 Dec 17 04:17 13164 Dec 20 02:12 13164 Dec 31 04:42 13164 Dec 31 01:33	4°M26'58 19°M39'24 0°ズ 24°ズ00'33 27°ズ05'41 0°云 3°云42'10 3°云03'00 30°Rズ 29°ズ51'01 29°ズ00'08 28°ズ58'18 25°ズ09'47 24°ズ49'37 0°云07'27 0°云	0°54'27 23°12'46 0.55113 AU -5°55'08 5°54'06
evening rise  desc. node evening max el retrograde evening set min. Earth dist. inferior conj minimum elong morning rise direct asc. node morning max el	13163 Nov 04 00:47 13163 Nov 06 09:05 13163 Nov 19 08:01 13163 Nov 24 00:23 13163 Dec 02 09:24 13163 Dec 16 04:12 13163 Dec 21 17:12 13163 Dec 26 21:18 13163 Dec 29 11:14 13163 Dec 29 18:56 13164 Jan 06 22:50 13164 Jan 18 02:57 13164 Jan 18 19:30 13164 Jan 27 06:12	20°M06'34 0°ズ 5°ズ07'02 0°♂ 7°♂06'33 17°♂01'10 23°♂54'53 22°♂46'31 20°♂01'55 18°♂22'26 18°♂10'02 14°♂15'19 14°♂00'24 17°♂58'38 18°♂37'16 0°≈	1°14'14 24°53'32 0.56503 AU -5°20'31 5°18'06	minimum elong evening rise  desc. node evening max el  retrograde evening set  min. Earth dist. inferior conj minimum elong morning rise direct	13164 Oct 13 20:20 13164 Oct 20 20:17 13164 Oct 25 19:56 13164 Nov 09 21:37 13164 Nov 12 19:21 13164 Nov 16 04:56 13164 Nov 26 02:15 13164 Nov 30 08:10 13164 Dec 06 22:38 13164 Dec 07 04:55 13164 Dec 08 16:08 13164 Dec 08 17:25 13164 Dec 17 04:17 13164 Dec 20 02:12 13164 Dec 31 04:42 13164 Dec 31 01:33 13165 Jan 04 00:10	4° M.26′58 19° M.39′24 0° ፟፠ 24° ¾00′33 27° ¾05′41 0° ጜ 3° ጜ42′10 3° ጜ03′00 30° ዪ፟፠ 29° ¾51′01 29° ¾00′08 28° ¾58′18 25° ¾09′47 24° ¾49′37 0° ጜ07′27 0° ጜ	0°54'27 23°12'46 0.55113 AU -5°55'08 5°54'06
evening rise  desc. node evening max el retrograde evening set min. Earth dist. inferior conj minimum elong morning rise direct asc. node morning max el morning set	13163 Nov 04 00:47 13163 Nov 06 09:05 13163 Nov 19 08:01 13163 Nov 24 00:23 13163 Dec 02 09:24 13163 Dec 16 04:12 13163 Dec 21 17:12 13163 Dec 26 21:18 13163 Dec 29 11:14 13163 Dec 29 18:56 13164 Jan 06 22:50 13164 Jan 09 06:14 13164 Jan 18 02:57 13164 Jan 18 19:30 13164 Jan 27 06:12 13164 Feb 04 20:30 13164 Feb 11 18:55	20°M06'34 0°ダ 5°ダ07'02 0°℧ 7°℧06'33 17°℧01'10 23°℧54'53 22°℧46'31 20°℧01'55 18°℧22'26 18°℧10'02 14°℧15'19 14°℧00'24 17°℧58'38 18°℧37'16 0°≈ 16°≈09'36 0°光	1°14'14  24°53'32  0.56503 AU -5°20'31 5°18'06	minimum elong evening rise  desc. node evening max el  retrograde evening set  min. Earth dist. inferior conj minimum elong morning rise direct morning max el  asc. node	13164 Oct 13 20:20 13164 Oct 20 20:17 13164 Oct 25 19:56 13164 Nov 09 21:37 13164 Nov 12 19:21 13164 Nov 16 04:56 13164 Nov 26 02:15 13164 Nov 30 08:10 13164 Dec 06 22:38 13164 Dec 07 04:55 13164 Dec 08 16:08 13164 Dec 08 17:25 13164 Dec 17 04:17 13164 Dec 20 02:12 13164 Dec 31 04:42 13164 Dec 31 01:33 13165 Jan 04 00:10 13165 Jan 18 18:22	4°M26'58 19°M39'24 0° 24° 24° 3°05'41 0° 3° 3° 342'10 3° 30'8 29° 3'51'01 29° 3'00'08 28° 3'58'18 25° 3'09'47 24° 3'49'37 0° 507'27 0° 54 4° 521'17 0° ≈	0°54'27 23°12'46 0.55113 AU -5°55'08 5°54'06
evening rise  desc. node evening max el retrograde evening set min. Earth dist. inferior conj minimum elong morning rise direct asc. node morning max el  morning set	13163 Nov 04 00:47 13163 Nov 06 09:05 13163 Nov 19 08:01 13163 Nov 24 00:23 13163 Dec 02 09:24 13163 Dec 16 04:12 13163 Dec 21 17:12 13163 Dec 26 21:18 13163 Dec 29 11:14 13163 Dec 29 18:56 13164 Jan 06 22:50 13164 Jan 09 06:14 13164 Jan 18 02:57 13164 Jan 18 19:30 13164 Jan 27 06:12 13164 Feb 04 20:30 13164 Feb 11 18:55	20°M06'34 0°ダ 5°ダ07'02 0°℧ 7°℧06'33 17°℧01'10 23°℧54'53 22°℧46'31 20°℧01'55 18°℧22'26 18°℧10'02 14°℧15'19 14°℧00'24 17°℧58'38 18°℧37'16 0°≈ 16°≈09'36 0°光	1°14'14  24°53'32  0.56503 AU -5°20'31 5°18'06  19°23'03	minimum elong evening rise  desc. node evening max el  retrograde evening set  min. Earth dist. inferior conj minimum elong morning rise direct morning max el	13164 Oct 13 20:20 13164 Oct 20 20:17 13164 Oct 25 19:56 13164 Nov 09 21:37 13164 Nov 12 19:21 13164 Nov 16 04:56 13164 Nov 26 02:15 13164 Nov 30 08:10 13164 Dec 06 22:38 13164 Dec 07 04:55 13164 Dec 08 16:08 13164 Dec 08 17:25 13164 Dec 17 04:17 13164 Dec 20 02:12 13164 Dec 31 04:42 13164 Dec 31 01:33 13165 Jan 04 00:10	4° M.26′58 19° M.39′24 0° ፟፠ 24° ¾00′33 27° ¾05′41 0° ጜ 3° ጜ42′10 3° ጜ03′00 30° ዪ፟፠ 29° ¾51′01 29° ¾00′08 28° ¾58′18 25° ¾09′47 24° ¾49′37 0° ጜ07′27 0° ጜ	0°54'27 23°12'46 0.55113 AU -5°55'08 5°54'06
evening rise  desc. node evening max el retrograde evening set min. Earth dist. inferior conj minimum elong morning rise direct asc. node morning max el  morning set	13163 Nov 04 00:47 13163 Nov 06 09:05 13163 Nov 19 08:01 13163 Nov 24 00:23 13163 Dec 02 09:24 13163 Dec 16 04:12 13163 Dec 26 21:18 13163 Dec 29 11:14 13163 Dec 29 18:56 13164 Jan 06 22:50 13164 Jan 18 02:57 13164 Jan 18 19:30 13164 Jan 27 06:12 13164 Feb 04 20:30 13164 Feb 11 18:55	20°M.06'34 0° ₹ 5° ₹07'02 0° ♂ 7° ♂06'33 17° ♂01'10 23° ♂554'53 22° ♂46'31 20° ♂01'55 18° ♂22'26 18° ♂10'02 14° ♂15'19 14° ♂00'24 17° ♂58'38 18° ♂37'16 0° ≈ 16° ≈09'36 0° 升 2° 升18'34 2° 升31'58	1°14'14  24°53'32  0.56503 AU -5°20'31 5°18'06  19°23'03  0°54'52 0°55'00	minimum elong evening rise  desc. node evening max el  retrograde evening set  min. Earth dist. inferior conj minimum elong morning rise direct morning max el  asc. node  morning set	13164 Oct 13 20:20 13164 Oct 20 20:17 13164 Oct 25 19:56 13164 Nov 09 21:37 13164 Nov 12 19:21 13164 Nov 16 04:56 13164 Nov 26 02:15 13164 Nov 30 08:10 13164 Dec 06 22:38 13164 Dec 07 04:55 13164 Dec 08 16:08 13164 Dec 08 17:25 13164 Dec 17 04:17 13164 Dec 20 02:12 13164 Dec 31 04:42 13164 Dec 31 01:33 13165 Jan 04 00:10 13165 Jan 18 18:22 13165 Jan 19 04:00	4°M26'58 19°M39'24 0°ズ 24°ズ00'33 27°ズ05'41 0°G 3°G42'10 3°G03'00 30°Rズ 29°ズ51'01 29°ズ00'08 28°ズ58'18 25°ズ09'47 24°ズ49'37 0°G07'27 0°G 4°G21'17 0°≈ 0°≈49'37	0°54'27 23°12'46 0.55113 AU -5°55'08 5°54'06 20°39'44
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evening rise  desc. node evening max el retrograde evening set min. Earth dist. inferior conj minimum elong morning rise direct asc. node morning max el  morning set  superior conj minimum elong max. Earth dist. desc. node evening rise	13163 Nov 04 00:47 13163 Nov 06 09:05 13163 Nov 19 08:01 13163 Nov 24 00:23 13163 Dec 02 09:24 13163 Dec 16 04:12 13163 Dec 26 21:18 13163 Dec 29 11:14 13163 Dec 29 11:14 13163 Dec 29 18:56 13164 Jan 06 22:50 13164 Jan 18 02:57 13164 Jan 18 19:30 13164 Jan 27 06:12 13164 Feb 04 20:30 13164 Feb 11 18:55 13164 Feb 12 23:14 13164 Feb 13 02:00 13164 Feb 19 12:41 13164 Feb 20 00:45 13164 Feb 23 06:06 13164 Feb 28 08:24 13164 Mar 19 15:09 13164 Mar 29 15:30 13164 Apr 10 12:37	20°M.06'34 0°ズ 5°ズ07'02 0°♂ 7°♂06'33 17°♂01'10 23°♂554'53 22°♂46'31 20°♂01'55 18°♂22'26 18°♂10'02 14°♂15'19 14°♂00'24 17°♂58'38 18°♂37'16 0°≈ 16°≈09'36 0°米 2°¥18'34 2°¥31'58 14°¥41'12 15°¥36'00 21°¥20'15 0°Ƴ 0°♥ 11°♂37'11 18°♂37'11	1°14'14  24°53'32  0.56503 AU -5°20'31 5°18'06  19°23'03  0°54'52 0°55'00 1.38168 AU	minimum elong evening rise  desc. node evening max el  retrograde evening set  min. Earth dist. inferior conj minimum elong morning rise direct morning max el  asc. node  morning set  superior conj minimum elong max. Earth dist. evening rise desc. node	13164 Oct 13 20:20 13164 Oct 20 20:17 13164 Oct 25 19:56 13164 Nov 09 21:37 13164 Nov 12 19:21 13164 Nov 16 04:56 13164 Nov 26 02:15 13164 Nov 30 08:10 13164 Dec 06 22:38 13164 Dec 07 04:55 13164 Dec 08 16:08 13164 Dec 17 04:17 13164 Dec 20 02:12 13164 Dec 31 01:33 13165 Jan 04 00:10 13165 Jan 18 18:22 13165 Jan 19 04:00 13165 Jan 26 15:12 13165 Jan 31 20:57 13165 Feb 02 14:19 13165 Feb 04 17:57 13165 Feb 05 21:21 13165 Feb 05 21:21 13165 Feb 07:00	4° \m26'58 19° \m39'24 0° \m24' \m200'33 27° \m205'41 0° \m3° \m303'00 30° \m3' \m29' \m25'101 29° \m30'08 28° \m358'18 25° \m309'47 24° \m349'37 0° \m30'727	0°54'27 23°12'46 0.55113 AU -5°55'08 5°54'06 20°39'44 1°15'47 1°16'14 1.36006 AU
evening rise  desc. node evening max el retrograde evening set min. Earth dist. inferior conj minimum elong morning rise direct asc. node morning max el  morning set  superior conj minimum elong max. Earth dist. desc. node evening rise  evening max el retrograde asc. node	13163 Nov 04 00:47 13163 Nov 06 09:05 13163 Nov 19 08:01 13163 Nov 24 00:23 13163 Dec 02 09:24 13163 Dec 16 04:12 13163 Dec 21 17:12 13163 Dec 26 21:18 13163 Dec 29 11:14 13163 Dec 29 18:56 13164 Jan 06 22:50 13164 Jan 18 02:57 13164 Jan 18 19:30 13164 Jan 27 06:12 13164 Feb 04 20:30 13164 Feb 11 18:55 13164 Feb 12 23:14 13164 Feb 13 02:00 13164 Feb 19 12:41 13164 Feb 20 00:45 13164 Feb 23 06:06	20°M.06'34 0°ズ 5°ズ07'02 0°♂ 7°♂06'33 17°♂01'10 23°♂554'53 22°♂46'31 20°♂01'55 18°♂22'26 18°♂10'02 14°♂15'19 14°♂00'24 17°♂58'38 18°♂37'16 0°≈ 16°≈09'36 0°¥ 2°¥18'34 2°¥31'58 14°¥41'12 15°¥36'00 21°¥20'15 0°Y 0°∀ 0°∀ 11°♂37'11 18°∀37'11 18°∀37'11 18°∀37'11 18°∀37'11	1°14'14  24°53'32  0.56503 AU -5°20'31 5°18'06  19°23'03  0°54'52 0°55'00 1.38168 AU	minimum elong evening rise  desc. node evening max el  retrograde evening set  min. Earth dist. inferior conj minimum elong morning rise direct morning max el  asc. node  morning set  superior conj minimum elong max. Earth dist. evening rise	13164 Oct 13 20:20 13164 Oct 20 20:17 13164 Oct 25 19:56 13164 Nov 09 21:37 13164 Nov 12 19:21 13164 Nov 16 04:56 13164 Nov 26 02:15 13164 Nov 30 08:10 13164 Dec 06 22:38 13164 Dec 07 04:55 13164 Dec 08 16:08 13164 Dec 17 04:17 13164 Dec 20 02:12 13164 Dec 31 01:33 13165 Jan 04 00:10 13165 Jan 18 18:22 13165 Jan 19 04:00 13165 Jan 26 15:12 13165 Jan 26 17:48 13165 Feb 02 14:19 13165 Feb 02 14:19 13165 Feb 04 17:57 13165 Feb 05 21:21 13165 Feb 05 21:21 13165 Feb 00 07:00 13165 Mar 12 05:01	4° \m26'58 19° \m39'24 0° \m24' \m200'33 27° \m205'41 0° \m3 \m30'300 30° \m3' \m29' \m25'101 29° \m20'00'08 28° \m358'18 25° \m20'47 24° \m349'37 0° \m30'727 16° \m30'727 16° \m30'727 25° \m30'727'16	0°54'27 23°12'46 0.55113 AU -5°55'08 5°54'06 20°39'44 1°15'47 1°16'14 1.36006 AU
evening rise  desc. node evening max el retrograde evening set min. Earth dist. inferior conj minimum elong morning rise direct asc. node morning max el  morning set  superior conj minimum elong max. Earth dist. desc. node evening rise  evening max el retrograde asc. node evening set	13163 Nov 04 00:47 13163 Nov 06 09:05 13163 Nov 19 08:01 13163 Nov 24 00:23 13163 Dec 02 09:24 13163 Dec 16 04:12 13163 Dec 26 21:18 13163 Dec 29 11:14 13163 Dec 29 11:14 13163 Dec 29 18:56 13164 Jan 06 22:50 13164 Jan 18 02:57 13164 Jan 18 19:30 13164 Jan 27 06:12 13164 Feb 04 20:30 13164 Feb 11 18:55  13164 Feb 12 23:14 13164 Feb 13 02:00 13164 Feb 19 12:41 13164 Feb 20 00:45 13164 Feb 23 06:06 13164 Feb 28 08:24 13164 Mar 19 15:09 13164 Mar 29 15:30 13164 Apr 10 12:37 13164 Apr 14 23:39 13164 Apr 16 05:39	20°M.06'34 0° ♂ 5° ♂07'02 0° ♂ 7° ♂06'33 17° ♂01'10 23° ♂554'53 22° ♂46'31 20° ♂01'55 18° ♂22'26 18° ♂10'02 14° ♂15'19 14° ♂00'24 17° ♂558'38 18° ♂37'16 0° ≈ 16° ≈09'36 0° ዧ 2° ዧ18'34 2° ዧ31'58 14° ዧ41'12 15° ዧ36'00 21° ዧ20'15 0° ௴ 0° ♂ 11° ♂37'11 18° ♂31'43 17° ♂05'25 16° ♂08'35	1°14'14  24°53'32  0.56503 AU -5°20'31 5°18'06  19°23'03  0°54'52 0°55'00 1.38168 AU  24°58'04	minimum elong evening rise  desc. node evening max el  retrograde evening set  min. Earth dist. inferior conj minimum elong morning rise direct morning max el  asc. node  morning set  superior conj minimum elong max. Earth dist.  evening rise desc. node  evening max el	13164 Oct 13 20:20 13164 Oct 20 20:17 13164 Oct 25 19:56 13164 Nov 09 21:37 13164 Nov 12 19:21 13164 Nov 16 04:56 13164 Nov 26 02:15 13164 Nov 30 08:10 13164 Dec 06 22:38 13164 Dec 07 04:55 13164 Dec 08 16:08 13164 Dec 08 17:25 13164 Dec 17 04:17 13164 Dec 20 02:12 13164 Dec 31 01:33 13165 Jan 04 00:10 13165 Jan 18 18:22 13165 Jan 26 15:12 13165 Jan 26 15:12 13165 Feb 02 14:19 13165 Feb 04 17:57 13165 Feb 05 21:21 13165 Feb 05 21:21 13165 Feb 07:00 13165 Mar 12 05:01 13165 Mar 17 15:05	4° \m26'58 19° \m39'24 0° \mathred{\$\textit{7}} 24° \mathred{\$\textit{7}}00'33 27° \mathred{\$\textit{7}}05'41 0° \mathred{\$\textit{3}} 3° \mathred{\$\textit{3}}42'10 3° \mathred{\$\textit{3}}03'00 30° \mathred{\$\textit{3}} 29° \mathred{\$\textit{3}}51'01 29° \mathred{\$\textit{3}}00'08 28° \mathred{\$\textit{3}}58'18 25° \mathred{\$\textit{3}}09'47 24° \mathred{\$\textit{3}}49'37 0° \mathred{\$\textit{3}}00'727 0° \mathred{\$\textit{3}} 4° \mathred{\$\textit{3}}21'17 0° \mathred{\$\textit{3}} 0° \mathred{\$\textit{3}}49'37 16° \mathred{\$\textit{3}}16'57 16° \mathred{\$\textit{3}}30'09 26° \mathred{\$\textit{3}}42'06 0° \mathred{\$\textit{4}} 4° \mathred{\$\textit{3}}01'14 6° \mathred{\$\textit{3}}06'34 0° \mathred{\$\textit{7}} 25° \mathred{\$\textit{2}}27'16 0° \mathred{\$\textit{3}}	0°54'27 23°12'46 0.55113 AU -5°55'08 5°54'06 20°39'44 1°15'47 1°16'14 1.36006 AU
evening rise  desc. node evening max el retrograde evening set min. Earth dist. inferior conj minimum elong morning rise direct asc. node morning max el  morning set  superior conj minimum elong max. Earth dist. desc. node evening rise  evening max el retrograde asc. node evening set min. Earth dist.	13163 Nov 04 00:47 13163 Nov 06 09:05 13163 Nov 19 08:01 13163 Nov 24 00:23 13163 Dec 02 09:24 13163 Dec 16 04:12 13163 Dec 21 17:12 13163 Dec 26 21:18 13163 Dec 29 11:14 13163 Dec 29 18:56 13164 Jan 06 22:50 13164 Jan 18 02:57 13164 Jan 18 02:57 13164 Jan 18 19:30 13164 Feb 04 20:30 13164 Feb 11 18:55  13164 Feb 12 23:14 13164 Feb 13 02:00 13164 Feb 19 12:41 13164 Feb 20 00:45 13164 Feb 23 06:06 13164 Feb 28 08:24 13164 Mar 19 15:09 13164 Mar 29 15:30 13164 Apr 10 12:37 13164 Apr 16 05:39 13164 Apr 16 05:39 13164 Apr 16 05:39	20°M06'34 0°ズ 5°ズ07'02 0°℧ 7°℧06'33 17°℧01'10 23°℧54'53 22°℧46'31 20°℧01'55 18°℧22'26 18°℧10'02 14°℧15'19 14°℧00'24 17°℧58'38 18°℧37'16 0°≈ 16°≈09'36 0°ℋ 2° ₭18'34 2° ₭31'58 14° ₭41'12 15° ₭36'00 21° ₭20'15 0°℃ 0°℧ 11°℧37'11 18°℧37'11 18°℧31'43 17°℧05'25 16°℧08'35 11°℧09'24	1°14'14  24°53'32  0.56503 AU -5°20'31 5°18'06  19°23'03  0°54'52 0°55'00 1.38168 AU  24°58'04  0.68134 AU	minimum elong evening rise  desc. node evening max el  retrograde evening set  min. Earth dist. inferior conj minimum elong morning rise direct morning max el  asc. node  morning set  superior conj minimum elong max. Earth dist.  evening rise desc. node  evening max el	13164 Oct 13 20:20 13164 Oct 20 20:17 13164 Nov 09 21:37 13164 Nov 12 19:21 13164 Nov 16 04:56 13164 Nov 26 02:15 13164 Nov 30 08:10 13164 Dec 06 22:38 13164 Dec 07 04:55 13164 Dec 08 16:08 13164 Dec 08 17:25 13164 Dec 20 02:12 13164 Dec 31 04:42 13164 Dec 31 01:33 13165 Jan 04 00:10 13165 Jan 18 18:22 13165 Jan 26 15:12 13165 Jan 26 17:48 13165 Feb 02 14:19 13165 Feb 04 17:57 13165 Feb 05 21:21 13165 Feb 05 21:21 13165 Feb 05 07:00 13165 Mar 12 05:01 13165 Mar 17 15:05 13165 Mar 24 22:36	4° \m26'58 19° \m39'24 0° \mathred{\$\textit{7}} 24° \mathred{\$\textit{7}}00'33 27° \mathred{\$\textit{7}}05'41 0° \mathred{\$\textit{3}} 3° \mathred{\$\textit{3}}42'10 3° \mathred{\$\textit{3}}03'00 30° \mathred{\$\textit{3}} 29° \mathred{\$\textit{3}}51'01 29° \mathred{\$\textit{3}}00'08 28° \mathred{\$\textit{3}}58'18 25° \mathred{\$\textit{3}}09'47 24° \mathred{\$\textit{3}}49'37 0° \mathred{\$\textit{3}}00'727 0° \mathred{\$\textit{3}} 4° \mathred{\$\textit{3}}21'17 0° \mathred{\$\textit{3}} 0° \mathred{\$\textit{3}}21'17 0° \mathred{\$\textit{3}} 4° \mathred{\$\textit{3}}21'17 0° \mathred{\$\textit{3}} 4° \mathred{\$\textit{3}}21'17 0° \mathred{\$\textit{3}} 0° \mathred{\$\textit{3}}49'37 16° \mathred{\$\textit{3}}21'17 0° \mathred{\$\textit{3}} 4° \mathred{\$\textit{3}}10'14 6° \mathred{\$\textit{4}}06'34 0° \mathred{\$\textit{4}} 2° \mathred{\$\textit{3}}27'16 0° \mathred{\$\textit{3}} 2° \mathred{\$\textit{3}}43'23	0°54'27 23°12'46 0.55113 AU -5°55'08 5°54'06 20°39'44 1°15'47 1°16'14 1.36006 AU
evening rise  desc. node evening max el retrograde evening set min. Earth dist. inferior conj minimum elong morning rise direct asc. node morning max el  morning set  superior conj minimum elong max. Earth dist. desc. node evening rise  evening max el retrograde asc. node evening set	13163 Nov 04 00:47 13163 Nov 06 09:05 13163 Nov 19 08:01 13163 Nov 24 00:23 13163 Dec 02 09:24 13163 Dec 16 04:12 13163 Dec 26 21:18 13163 Dec 29 11:14 13163 Dec 29 11:14 13163 Dec 29 18:56 13164 Jan 06 22:50 13164 Jan 18 02:57 13164 Jan 18 19:30 13164 Jan 27 06:12 13164 Feb 04 20:30 13164 Feb 11 18:55  13164 Feb 12 23:14 13164 Feb 13 02:00 13164 Feb 19 12:41 13164 Feb 20 00:45 13164 Feb 23 06:06 13164 Feb 28 08:24 13164 Mar 19 15:09 13164 Mar 29 15:30 13164 Apr 10 12:37 13164 Apr 14 23:39 13164 Apr 16 05:39	20°M.06'34 0° ♂ 5° ♂07'02 0° ♂ 7° ♂06'33 17° ♂01'10 23° ♂554'53 22° ♂46'31 20° ♂01'55 18° ♂22'26 18° ♂10'02 14° ♂15'19 14° ♂00'24 17° ♂558'38 18° ♂37'16 0° ≈ 16° ≈09'36 0° ዧ 2° ዧ18'34 2° ዧ31'58 14° ዧ41'12 15° ዧ36'00 21° ዧ20'15 0° ௴ 0° ♂ 11° ♂37'11 18° ♂31'43 17° ♂05'25 16° ♂08'35	1°14'14  24°53'32  0.56503 AU -5°20'31 5°18'06  19°23'03  0°54'52 0°55'00 1.38168 AU  24°58'04	minimum elong evening rise  desc. node evening max el  retrograde evening set  min. Earth dist. inferior conj minimum elong morning rise direct morning max el  asc. node  morning set  superior conj minimum elong max. Earth dist.  evening rise desc. node  evening max el	13164 Oct 13 20:20 13164 Oct 20 20:17 13164 Oct 25 19:56 13164 Nov 09 21:37 13164 Nov 12 19:21 13164 Nov 16 04:56 13164 Nov 26 02:15 13164 Nov 30 08:10 13164 Dec 06 22:38 13164 Dec 07 04:55 13164 Dec 08 16:08 13164 Dec 08 17:25 13164 Dec 17 04:17 13164 Dec 20 02:12 13164 Dec 31 01:33 13165 Jan 04 00:10 13165 Jan 18 18:22 13165 Jan 26 15:12 13165 Jan 26 15:12 13165 Feb 02 14:19 13165 Feb 04 17:57 13165 Feb 05 21:21 13165 Feb 05 21:21 13165 Feb 07:00 13165 Mar 12 05:01 13165 Mar 17 15:05	4° \m26'58 19° \m39'24 0° \mathred{\$\textit{7}} 24° \mathred{\$\textit{7}}00'33 27° \mathred{\$\textit{7}}05'41 0° \mathred{\$\textit{3}} 3° \mathred{\$\textit{3}}42'10 3° \mathred{\$\textit{3}}03'00 30° \mathred{\$\textit{3}} 29° \mathred{\$\textit{3}}51'01 29° \mathred{\$\textit{3}}00'08 28° \mathred{\$\textit{3}}58'18 25° \mathred{\$\textit{3}}09'47 24° \mathred{\$\textit{3}}49'37 0° \mathred{\$\textit{3}}00'727 0° \mathred{\$\textit{3}} 4° \mathred{\$\textit{3}}21'17 0° \mathred{\$\textit{3}} 0° \mathred{\$\textit{3}}49'37 16° \mathred{\$\textit{3}}16'57 16° \mathred{\$\textit{3}}30'09 26° \mathred{\$\textit{3}}42'06 0° \mathred{\$\textit{4}} 4° \mathred{\$\textit{3}}01'14 6° \mathred{\$\textit{3}}06'34 0° \mathred{\$\textit{7}} 25° \mathred{\$\textit{2}}27'16 0° \mathred{\$\textit{3}}	0°54'27 23°12'46 0.55113 AU -5°55'08 5°54'06 20°39'44 1°15'47 1°16'14 1.36006 AU

,	12165 4 01 21 04	2000024112			1016634 14 16 40	1.400000150	
asc. node	13165 Apr 01 21:04	28° <b>Y</b> 34'12	0.67002 444	evening set	13166 Mar 14 16:40	14° <b>Υ</b> 00'50	0.65645.444
min. Earth dist.	13165 Apr 04 07:03	25° <b>Y</b> 48'54	0.67092 AU	min. Earth dist.	13166 Mar 18 15:35	10° <b>Y</b> 10′24	0.65645 AU
inferior conj	13165 Apr 05 23:13	23° <b>Y</b> '44'29	1°15'22	asc. node	13166 Mar 19 18:30	8° <b>Y</b> 53'56	
minimum elong	13165 Apr 05 21:31	23° <b>Y</b> ′49'47	1°14'26	inferior conj	13166 Mar 20 19:57	7° <b>Ƴ</b> 40'43	0°20'19
morning rise	13165 Apr 11 16:58	17° <b>Y</b> ′58'44		minimum elong	13166 Mar 20 19:23	7° <b>Y</b> 42'19	0°20'03
direct	13165 Apr 14 22:07	17° <b>Y</b> ′00'06		morning rise	13166 Mar 26 23:36	2° <b>Y</b> '07'03	
morning max el	13165 Apr 21 12:38	20° <b>Y</b> ′32′28	18°39'09	direct	13166 Mar 29 18:50	1° <b>Y</b> ′24'33	
	13165 Apr 29 02:15	0°8		morning max el	13166 Apr 05 03:27		18°05'07
desc. node	13165 May 04 23:33	8° <b>8</b> 49'04		desc. node	13166 Apr 21 20:12	28° <b>Y</b> 58'40	
morning set	13165 May 12 23:33	21° <b>8</b> 16'56			13166 Apr 22 11:18	$0$ $\circ$ 8	
	13165 May 18 13:18	$\Pi$ °0		morning set	13166 Apr 23 16:37	1° <b>8</b> 59'03	
max. Earth dist.	13165 May 28 08:06	15° <b>Ⅱ</b> 16′29	1.45741 AU				
				superior conj	13166 May 08 12:19	25° <b>8</b> 41'47	-1°46'53
superior conj	13165 May 29 03:08	16° <b>Ⅲ</b> 30'51	-2°09'22	minimum elong	13166 May 08 03:10	25° <b>8</b> 05'48	1°46'51
minimum elong	13165 May 28 22:13	16° <b>Ⅱ</b> 11'39	2°10'09	max. Earth dist.	13166 May 11 03:56	29° <b>8</b> 51'08	1.45717 AU
	13165 Jun 06 17:14	$0$ $\circ$ $\odot$			13166 May 11 06:12	$\Pi^{\circ}0$	
evening rise	13165 Jun 13 15:37	11° <b>©</b> 00'24		evening rise	13166 May 24 14:51	20° <b>Ⅱ</b> 44'44	
greatest brilliancy	13165 Jun 21 00:47	22° <b>©</b> 45'39	-0.9m		13166 May 30 14:57	$0$ $\circ$ $\odot$	
	13165 Jun 25 16:39	$0^{\circ}\Omega$		greatest brilliancy	13166 Jun 06 06:16	10° <b>5</b> 04'22	-0.7m
asc. node	13165 Jun 28 19:00	4° <b>Ω</b> 33'13		asc. node	13166 Jun 15 15:57	23°900'50	
evening max el	13165 Jul 04 17:52	11° <b>Ω</b> 54'58	18°39'16	evening max el	13166 Jun 18 02:05	25°540'26	19°23'16
retrograde	13165 Jul 11 07:10	15° <b>Ω</b> 28'42		retrograde	13166 Jun 25 04:27	29°538'59	
evening set	13165 Jul 14 13:02	14° <b>Ω</b> 28'42		evening set	13166 Jun 28 19:25	28° <b>©</b> 22'35	
inferior conj	13165 Jul 20 04:24	8° <b>Ω</b> 50'42	2°51'18	inferior conj	13166 Jul 04 04:54	22°530'39	3°08'44
minimum elong	13165 Jul 20 06:17	8° <b>Ω</b> 44'53	2°50'08	minimum elong	13166 Jul 04 05:48	22°527'40	3°07'41
min. Earth dist.	13165 Jul 22 03:08	6° <b>Ω</b> 27'17	0.65622 AU	min. Earth dist.	13166 Jul 05 13:07	20°9644'54	0.67132 AU
morning rise	13165 Jul 25 22:35	2° <b>Ω</b> 27'39	0.03022710	morning rise	13166 Jul 09 15:39	16°906'48	0.07132110
morning rise	13165 Jul 30 11:44	30°R95		direct	13166 Jul 15 16:17	13°928'56	
desc. node	13165 Jul 31 22:39	29°5947'44		desc. node	13166 Jul 18 20:00	14°905'29	
direct	13165 Aug 01 08:23	29° <b>5</b> 47'08		morning max el	13166 Jul 28 02:01	20°954'47	25°41'20
direct	13165 Aug 01 08:23	29 <b>3</b> 4708		morning max er	13166 Aug 04 22:25	20 <b>3</b> 3447 0°Ω	23 41 20
morning may al	_	7° <b>Ω</b> 38'17	26°53'22		•	0° <b>m</b> )	
morning max el	13165 Aug 14 15:10	0°M)	20 33 22	marning sat	13166 Aug 25 04:08	13°Mp46'58	
	13165 Aug 31 23:44	0∘ <b>⊽</b> 0 oľ		morning set	13166 Sep 02 01:50	-•	1 25705 AII
. ,	13165 Sep 18 16:06			max. Earth dist.	13166 Sep 05 17:53	20° m/36'28	1.35785 AU
morning set	13165 Sep 19 08:27	1° <b>Ω</b> 17'52	1 22002 ATT		13166 Sep 10 13:41	0∘ <b>⊽</b>	
max. Earth dist.	13165 Sep 23 13:05	9° <b>Ω</b> 31'42	1.33892 AU		121776 11 17 22	20 0 12141	0000116
asc. node	13165 Sep 24 20:29	12° <b>≏</b> 10'40		superior conj	13166 Sep 11 16:22	2° <b>₽</b> 13'41	
	101656 05 00 05	10000000	0000100	minimum elong	13166 Sep 11 16:23	2° <b>£</b> 13'46	0°00'19
superior conj	13165 Sep 27 23:37	18° <b>△</b> 39'29	0°29'29	behind sun begin	13166 Sep 11 10:12	1° <b>≏</b> 42'37	
minimum elong	13165 Sep 27 22:09	18° <b>≏</b> 31'45	0°29°26	behind sun end	13166 Sep 11 22:35	2° <b>≏</b> 44'58	
	13165 Oct 03 07:54	0° <b>™</b>		asc. node	13166 Sep 11 17:02	2° <b>≙</b> 17'03	
evening rise	13165 Oct 05 06:30	4° <b>ጤ</b> 06'59 –		evening rise	13166 Sep 19 13:37	18° <b>≙</b> 23'42	
	13165 Oct 19 09:59	0° <b>∡</b> ¹			13166 San 25 00:40		
evening max el	13165 Oct 25 09:09	7° <b>∡</b> 12'04	21°33'40		13166 Sep 25 09:49	0° <b>M</b> ₊	
desc. node		_	21 33 40	evening max el	13166 Oct 07 11:19	17° <b>M</b> 54'26	20°10'01
retrograde	13165 Oct 27 18:56	9° <b>∡</b> 120′55	21 33 40	desc. node	13166 Oct 07 11:19 13166 Oct 14 16:20	17° <b>M</b> .54'26 22° <b>M</b> .40'01	20°10'01
•	13165 Nov 06 14:49	13° <b>∡</b> 16'41	21 33 40	desc. node retrograde	13166 Oct 07 11:19 13166 Oct 14 16:20 13166 Oct 18 03:16	17°M54'26 22°M40'01 23°M12'43	20°10'01
evening set	13165 Nov 06 14:49 13165 Nov 09 11:46	13° <b>х</b> 16'41 12° <b>х</b> 57'50		desc. node retrograde evening set	13166 Oct 07 11:19 13166 Oct 14 16:20 13166 Oct 18 03:16 13166 Oct 20 04:07	17°M54'26 22°M40'01 23°M12'43 23°M02'00	
evening set inferior conj	13165 Nov 06 14:49 13165 Nov 09 11:46 13165 Nov 18 08:45	13° <b>∡</b> 16'41		desc. node retrograde evening set inferior conj	13166 Oct 07 11:19 13166 Oct 14 16:20 13166 Oct 18 03:16 13166 Oct 20 04:07 13166 Oct 29 02:54	17°M54'26 22°M40'01 23°M12'43 23°M02'00 19°M04'25	-4°16'38
evening set	13165 Nov 06 14:49 13165 Nov 09 11:46	13° <b>х</b> 16'41 12° <b>х</b> 57'50	-5°33'55	desc. node retrograde evening set	13166 Oct 07 11:19 13166 Oct 14 16:20 13166 Oct 18 03:16 13166 Oct 20 04:07	17°M54'26 22°M40'01 23°M12'43 23°M02'00	
evening set inferior conj	13165 Nov 06 14:49 13165 Nov 09 11:46 13165 Nov 18 08:45	13° ₹ 16'41 12° ₹ 57'50 9° ₹ 03'43	-5°33'55	desc. node retrograde evening set inferior conj	13166 Oct 07 11:19 13166 Oct 14 16:20 13166 Oct 18 03:16 13166 Oct 20 04:07 13166 Oct 29 02:54	17°M54'26 22°M40'01 23°M12'43 23°M02'00 19°M04'25 19°M19'17 18°M04'48	-4°16'38
evening set inferior conj minimum elong	13165 Nov 06 14:49 13165 Nov 09 11:46 13165 Nov 18 08:45 13165 Nov 18 01:27	13° ₹ 16'41 12° ₹ 57'50 9° ₹ 03'43 9° ₹ 13'57	-5°33'55 5°31'53	desc. node retrograde evening set inferior conj minimum elong	13166 Oct 07 11:19 13166 Oct 14 16:20 13166 Oct 18 03:16 13166 Oct 20 04:07 13166 Oct 29 02:54 13166 Oct 28 16:55	17°M54'26 22°M40'01 23°M12'43 23°M02'00 19°M04'25 19°M19'17	-4°16'38 4°12'56
evening set inferior conj minimum elong min. Earth dist.	13165 Nov 06 14:49 13165 Nov 09 11:46 13165 Nov 18 08:45 13165 Nov 18 01:27 13165 Nov 18 11:02	13° ₹ 16'41 12° ₹ 57'50 9° ₹ 03'43 9° ₹ 13'57 9° ₹ 00'31	-5°33'55 5°31'53	desc. node retrograde evening set inferior conj minimum elong min. Earth dist.	13166 Oct 07 11:19 13166 Oct 14 16:20 13166 Oct 18 03:16 13166 Oct 20 04:07 13166 Oct 29 02:54 13166 Oct 28 16:55 13166 Oct 30 18:54	17°M54'26 22°M40'01 23°M12'43 23°M02'00 19°M04'25 19°M19'17 18°M04'48	-4°16'38 4°12'56
evening set inferior conj minimum elong min. Earth dist. morning rise	13165 Nov 06 14:49 13165 Nov 09 11:46 13165 Nov 18 08:45 13165 Nov 18 01:27 13165 Nov 18 11:02 13165 Nov 26 16:02	13° ₹ 16'41 12° ₹ 57'50 9° ₹ 03'43 9° ₹ 13'57 9° ₹ 00'31 5° ₹ 15'23	-5°33'55 5°31'53 0.54521 AU	desc. node retrograde evening set inferior conj minimum elong min. Earth dist. morning rise	13166 Oct 07 11:19 13166 Oct 14 16:20 13166 Oct 18 03:16 13166 Oct 20 04:07 13166 Oct 29 02:54 13166 Oct 28 16:55 13166 Oct 30 18:54 13166 Nov 06 04:43	17°M54'26 22°M40'01 23°M12'43 23°M02'00 19°M04'25 19°M19'17 18°M04'48 14°M57'47	-4°16'38 4°12'56 0.54867 AU
evening set inferior conj minimum elong min. Earth dist. morning rise direct	13165 Nov 06 14:49 13165 Nov 09 11:46 13165 Nov 18 08:45 13165 Nov 18 01:27 13165 Nov 18 11:02 13165 Nov 26 16:02 13165 Nov 30 10:23	13° ₹ 16'41 12° ₹ 57'50 9° ₹ 03'43 9° ₹ 13'57 9° ₹ 00'31 5° ₹ 15'23 4° ₹ 44'38	-5°33'55 5°31'53 0.54521 AU	desc. node retrograde evening set inferior conj minimum elong min. Earth dist. morning rise direct	13166 Oct 07 11:19 13166 Oct 14 16:20 13166 Oct 18 03:16 13166 Oct 20 04:07 13166 Oct 29 02:54 13166 Oct 28 16:55 13166 Oct 30 18:54 13166 Nov 06 04:43 13166 Nov 10 20:55	17°M54'26 22°M40'01 23°M12'43 23°M02'00 19°M04'25 19°M19'17 18°M04'48 14°M57'47	-4°16'38 4°12'56 0.54867 AU
evening set inferior conj minimum elong min. Earth dist. morning rise direct morning max el	13165 Nov 06 14:49 13165 Nov 09 11:46 13165 Nov 18 08:45 13165 Nov 18 01:27 13165 Nov 18 11:02 13165 Nov 26 16:02 13165 Nov 30 10:23 13165 Dec 13 00:04	13° ₹ 16'41 12° ₹ 57'50 9° ₹ 03'43 9° ₹ 13'57 9° ₹ 00'31 5° ₹ 15'23 4° ₹ 44'38 10° ₹ 45'52	-5°33'55 5°31'53 0.54521 AU	desc. node retrograde evening set inferior conj minimum elong min. Earth dist. morning rise direct	13166 Oct 07 11:19 13166 Oct 14 16:20 13166 Oct 18 03:16 13166 Oct 20 04:07 13166 Oct 29 02:54 13166 Oct 28 16:55 13166 Oct 30 18:54 13166 Nov 06 04:43 13166 Nov 10 20:55 13166 Nov 24 10:58	17°M54'26 22°M40'01 23°M12'43 23°M02'00 19°M04'25 19°M19'17 18°M04'48 14°M57'47 14°M10'19 20°M50'51	-4°16'38 4°12'56 0.54867 AU
evening set inferior conj minimum elong min. Earth dist. morning rise direct morning max el	13165 Nov 06 14:49 13165 Nov 09 11:46 13165 Nov 18 08:45 13165 Nov 18 01:27 13165 Nov 18 11:02 13165 Nov 26 16:02 13165 Nov 30 10:23 13165 Dec 13 00:04 13165 Dec 21 21:17	13° ₹ 16'41 12° ₹ 57'50 9° ₹ 03'43 9° ₹ 13'57 9° ₹ 00'31 5° ₹ 15'23 4° ₹ 44'38 10° ₹ 45'52 21° ₹ 48'47	-5°33'55 5°31'53 0.54521 AU	desc. node retrograde evening set inferior conj minimum elong min. Earth dist. morning rise direct morning max el	13166 Oct 07 11:19 13166 Oct 14 16:20 13166 Oct 18 03:16 13166 Oct 20 04:07 13166 Oct 29 02:54 13166 Oct 28 16:55 13166 Oct 30 18:54 13166 Nov 06 04:43 13166 Nov 10 20:55 13166 Nov 24 10:58 13166 Dec 02 06:43	17° M.54'26 22° M.40'01 23° M.12'43 23° M.02'00 19° M.04'25 19° M.19'17 18° M.04'48 14° M.57'47 14° M.10'19 20° M.50'51 0° ⊀	-4°16'38 4°12'56 0.54867 AU
evening set inferior conj minimum elong min. Earth dist. morning rise direct morning max el asc. node	13165 Nov 06 14:49 13165 Nov 09 11:46 13165 Nov 18 08:45 13165 Nov 18 01:27 13165 Nov 18 11:02 13165 Nov 26 16:02 13165 Nov 30 10:23 13165 Dec 13 00:04 13165 Dec 21 21:17 13165 Dec 26 18:24	13° 🗷 16'41 12° 🗷 57'50 9° 🗷 03'43 9° 🗷 13'57 9° 🗷 00'31 5° 🗷 15'23 4° 🗷 44'38 10° 🗷 45'52 21° 🗷 48'47 0° 🔂	-5°33'55 5°31'53 0.54521 AU	desc. node retrograde evening set inferior conj minimum elong min. Earth dist. morning rise direct morning max el	13166 Oct 07 11:19 13166 Oct 14 16:20 13166 Oct 18 03:16 13166 Oct 20 04:07 13166 Oct 29 02:54 13166 Oct 28 16:55 13166 Oct 30 18:54 13166 Nov 06 04:43 13166 Nov 10 20:55 13166 Nov 24 10:58 13166 Dec 02 06:43 13166 Dec 08 18:18	17°M.54'26 22°M.40'01 23°M.12'43 23°M.02'00 19°M.04'25 19°M.19'17 18°M.04'48 14°M.57'47 14°M.10'19 20°M.50'51 0° 🗷 10° 🗷 06'00	-4°16'38 4°12'56 0.54867 AU
evening set inferior conj minimum elong min. Earth dist. morning rise direct morning max el asc. node	13165 Nov 06 14:49 13165 Nov 09 11:46 13165 Nov 18 08:45 13165 Nov 18 01:27 13165 Nov 18 11:02 13165 Nov 26 16:02 13165 Nov 30 10:23 13165 Dec 13 00:04 13165 Dec 21 21:17 13165 Dec 26 18:24 13166 Jan 03 14:38	13° ₹16'41 12° ₹57'50 9° ₹03'43 9° ₹13'57 9° ₹00'31 5° ₹15'23 4° ₹44'38 10° ₹45'52 21° ₹48'47 0° ₹5	-5°33'55 5°31'53 0.54521 AU	desc. node retrograde evening set inferior conj minimum elong min. Earth dist. morning rise direct morning max el asc. node	13166 Oct 07 11:19 13166 Oct 14 16:20 13166 Oct 18 03:16 13166 Oct 20 04:07 13166 Oct 29 02:54 13166 Oct 28 16:55 13166 Oct 30 18:54 13166 Nov 06 04:43 13166 Nov 10 20:55 13166 Nov 24 10:58 13166 Dec 02 06:43 13166 Dec 08 18:18 13166 Dec 18 22:43	17° \mu.54'26 22° \mu.40'01 23° \mu.12'43 23° \mu.02'00 19° \mu.04'25 19° \mu.19'17 18° \mu.04'48 14° \mu.57'47 14° \mu.10'19 20° \mu.50'51 0° \ne% 10° \ne% 06'00 0° \ne\$	-4°16'38 4°12'56 0.54867 AU
evening set inferior conj minimum elong min. Earth dist. morning rise direct morning max el asc. node	13165 Nov 06 14:49 13165 Nov 09 11:46 13165 Nov 18 08:45 13165 Nov 18 01:27 13165 Nov 18 11:02 13165 Nov 26 16:02 13165 Nov 30 10:23 13165 Dec 13 00:04 13165 Dec 21 21:17 13165 Dec 26 18:24 13166 Jan 03 14:38	13° ₹16'41 12° ₹57'50 9° ₹03'43 9° ₹13'57 9° ₹00'31 5° ₹15'23 4° ₹44'38 10° ₹45'52 21° ₹48'47 0° ₹5	-5°33'55 5°31'53 0.54521 AU	desc. node retrograde evening set inferior conj minimum elong min. Earth dist. morning rise direct morning max el asc. node	13166 Oct 07 11:19 13166 Oct 14 16:20 13166 Oct 18 03:16 13166 Oct 20 04:07 13166 Oct 29 02:54 13166 Oct 28 16:55 13166 Oct 30 18:54 13166 Nov 06 04:43 13166 Nov 10 20:55 13166 Nov 24 10:58 13166 Dec 02 06:43 13166 Dec 08 18:18 13166 Dec 18 22:43	17° \mu.54'26 22° \mu.40'01 23° \mu.12'43 23° \mu.02'00 19° \mu.04'25 19° \mu.19'17 18° \mu.04'48 14° \mu.57'47 14° \mu.10'19 20° \mu.50'51 0° \ne% 10° \ne% 06'00 0° \ne\$	-4°16'38 4°12'56 0.54867 AU
evening set inferior conj minimum elong min. Earth dist. morning rise direct morning max el asc. node morning set	13165 Nov 06 14:49 13165 Nov 09 11:46 13165 Nov 18 08:45 13165 Nov 18 01:27 13165 Nov 18 11:02 13165 Nov 26 16:02 13165 Nov 30 10:23 13165 Dec 13 00:04 13165 Dec 21 21:17 13165 Dec 26 18:24 13166 Jan 03 14:38 13166 Jan 10 08:45	13° ₹16'41 12° ₹57'50 9° ₹03'43 9° ₹13'57 9° ₹00'31 5° ₹15'23 4° ₹44'38 10° ₹45'52 21° ₹48'47 0° ₹5 15° ₹34'54 0° ₹6	-5°33'55 5°31'53 0.54521 AU 22°17'05	desc. node retrograde evening set inferior conj minimum elong min. Earth dist. morning rise direct morning max el asc. node morning set	13166 Oct 07 11:19 13166 Oct 14 16:20 13166 Oct 18 03:16 13166 Oct 20 04:07 13166 Oct 29 02:54 13166 Oct 30 18:54 13166 Nov 06 04:43 13166 Nov 10 20:55 13166 Nov 24 10:58 13166 Dec 02 06:43 13166 Dec 08 18:18 13166 Dec 18 22:43 13166 Dec 19 02:30	17° M.54'26 22° M.40'01 23° M.12'43 23° M.02'00 19° M.04'25 19° M.19'17 18° M.04'48 14° M.57'47 14° M.10'19 20° M.50'51 0° \$7 10° \$706'00 0° \$5 0° \$520'14	-4°16'38 4°12'56 0.54867 AU 24°05'28
evening set inferior conj minimum elong min. Earth dist. morning rise direct morning max el asc. node morning set	13165 Nov 06 14:49 13165 Nov 09 11:46 13165 Nov 18 08:45 13165 Nov 18 01:27 13165 Nov 18 11:02 13165 Nov 26 16:02 13165 Nov 30 10:23 13165 Dec 13 00:04 13165 Dec 21 21:17 13165 Dec 26 18:24 13166 Jan 03 14:38 13166 Jan 10 08:45	13° ₹16'41 12° ₹57'50 9° ₹03'43 9° ₹13'57 9° ₹00'31 5° ₹15'23 4° ₹44'38 10° ₹45'52 21° ₹48'47 0° ₹ 15° ₹334'54 0° ≈ 0° ≈	-5°33'55 5°31'53 0.54521 AU 22°17'05	desc. node retrograde evening set inferior conj minimum elong min. Earth dist. morning rise direct morning max el asc. node morning set	13166 Oct 07 11:19 13166 Oct 14 16:20 13166 Oct 18 03:16 13166 Oct 20 04:07 13166 Oct 29 02:54 13166 Oct 30 18:54 13166 Nov 06 04:43 13166 Nov 10 20:55 13166 Nov 24 10:58 13166 Dec 02 06:43 13166 Dec 08 18:18 13166 Dec 18 22:43 13166 Dec 19 02:30	17° M 54'26 22° M 40'01 23° M 12'43 23° M 02'00 19° M 04'25 19° M 19'17 18° M 04'48 14° M 57'47 14° M 10'19 20° M 50'51 0° ズ 10° ズ 06'00 0° G 0° G 20'14	-4°16'38 4°12'56 0.54867 AU 24°05'28
evening set inferior conj minimum elong min. Earth dist. morning rise direct morning max el asc. node morning set	13165 Nov 06 14:49 13165 Nov 09 11:46 13165 Nov 18 08:45 13165 Nov 18 01:27 13165 Nov 18 11:02 13165 Nov 26 16:02 13165 Nov 30 10:23 13165 Dec 13 00:04 13165 Dec 21 21:17 13165 Dec 26 18:24 13166 Jan 03 14:38 13166 Jan 10 08:45  13166 Jan 10 15:53 13166 Jan 10 17:41	13° 🖈 16'41 12° 🖈 57'50 9° 🖈 03'43 9° 🖈 13'57 9° 🗷 00'31 5° 🖈 15'23 4° 🖈 44'38 10° 🗗 45'52 21° 🗗 48'47 0° 云 15° 云 34'54 0° ≈ 0° ≈ 37'48 0° ≈ 47'19	-5°33'55 5°31'53 0.54521 AU 22°17'05 1°29'40 1°30'27	desc. node retrograde evening set inferior conj minimum elong min. Earth dist. morning rise direct morning max el asc. node morning set superior conj minimum elong	13166 Oct 07 11:19 13166 Oct 14 16:20 13166 Oct 18 03:16 13166 Oct 20 04:07 13166 Oct 29 02:54 13166 Oct 30 18:54 13166 Nov 06 04:43 13166 Nov 10 20:55 13166 Nov 24 10:58 13166 Dec 02 06:43 13166 Dec 08 18:18 13166 Dec 18 22:43 13166 Dec 19 02:30  13166 Dec 25 22:26 13166 Dec 25 23:10	17° M 54'26 22° M 40'01 23° M 12'43 23° M 02'00 19° M 04'25 19° M 19'17 18° M 04'48 14° M 57'47 14° M 10'19 20° M 50'51 0° ズ 10° ズ 06'00 0° G 0° G 20'14	-4°16'38 4°12'56 0.54867 AU 24°05'28 1°36'57 1°37'56
evening set inferior conj minimum elong min. Earth dist. morning rise direct morning max el asc. node morning set  superior conj minimum elong max. Earth dist.	13165 Nov 06 14:49 13165 Nov 09 11:46 13165 Nov 18 08:45 13165 Nov 18 01:27 13165 Nov 18 11:02 13165 Nov 26 16:02 13165 Nov 30 10:23 13165 Dec 13 00:04 13165 Dec 21 21:17 13165 Dec 26 18:24 13166 Jan 03 14:38 13166 Jan 10 08:45  13166 Jan 10 15:53 13166 Jan 10 17:41 13166 Jan 14 10:56	13° 🖈 16'41 12° 🖈 57'50 9° 🖈 03'43 9° 🖈 13'57 9° 🖈 00'31 5° 🖈 15'23 4° 🖈 44'38 10° 🖈 45'52 21° 🖈 48'47 0° 云 15° 云 34'54 0° ≈ 0° ≈ 37'48 0° ≈ 47'19 8° ≈ 32'15	-5°33'55 5°31'53 0.54521 AU 22°17'05 1°29'40 1°30'27	desc. node retrograde evening set inferior conj minimum elong min. Earth dist. morning rise direct morning max el asc. node morning set superior conj minimum elong	13166 Oct 07 11:19 13166 Oct 14 16:20 13166 Oct 18 03:16 13166 Oct 20 04:07 13166 Oct 29 02:54 13166 Oct 30 18:54 13166 Nov 06 04:43 13166 Nov 10 20:55 13166 Nov 24 10:58 13166 Dec 02 06:43 13166 Dec 08 18:18 13166 Dec 18 22:43 13166 Dec 19 02:30  13166 Dec 25 22:26 13166 Dec 25 23:10 13166 Dec 28 08:48	17° M.54'26 22° M.40'01 23° M.12'43 23° M.02'00 19° M.04'25 19° M.19'17 18° M.04'48 14° M.57'47 14° M.10'19 20° M.50'51 0° ♂ 0° ♂ 0° ♂ 0° ♂ 20'14  15° ♂ 13'08 15° ♂ 17'08 20° ♂ 528'40	-4°16'38 4°12'56 0.54867 AU 24°05'28 1°36'57 1°37'56
evening set inferior conj minimum elong min. Earth dist. morning rise direct morning max el asc. node morning set  superior conj minimum elong max. Earth dist. evening rise	13165 Nov 06 14:49 13165 Nov 09 11:46 13165 Nov 18 08:45 13165 Nov 18 01:27 13165 Nov 18 11:02 13165 Nov 26 16:02 13165 Nov 30 10:23 13165 Dec 13 00:04 13165 Dec 21 21:17 13165 Dec 26 18:24 13166 Jan 03 14:38 13166 Jan 10 08:45  13166 Jan 10 15:53 13166 Jan 10 17:41 13166 Jan 14 10:56 13166 Jan 18 20:45	13° 🖈 16'41 12° 🖈 57'50 9° 🖈 03'43 9° 🖈 13'57 9° 🖈 00'31 5° 🗗 15'23 4° 🖈 44'38 10° 🛪 45'52 21° 🛪 48'47 0° 🛪 15° 📆 34'54 0° 🖘 0° ※37'48 0° ※47'19 8° ※32'15 17° ※19'13	-5°33'55 5°31'53 0.54521 AU 22°17'05 1°29'40 1°30'27	desc. node retrograde evening set inferior conj minimum elong min. Earth dist. morning rise direct morning max el asc. node morning set superior conj minimum elong max. Earth dist.	13166 Oct 07 11:19 13166 Oct 14 16:20 13166 Oct 18 03:16 13166 Oct 20 04:07 13166 Oct 29 02:54 13166 Oct 28 16:55 13166 Oct 30 18:54 13166 Nov 06 04:43 13166 Nov 10 20:55 13166 Nov 24 10:58 13166 Dec 02 06:43 13166 Dec 08 18:18 13166 Dec 18 22:43 13166 Dec 19 02:30  13166 Dec 25 22:26 13166 Dec 25 23:10 13166 Dec 28 08:48 13167 Jan 01 22:06	17° \mu.54'26 22° \mu.40'01 23° \mu.12'43 23° \mu.02'00 19° \mu.04'25 19° \mu.19'17 18° \mu.04'48 14° \mu.57'47 14° \mu.10'19 20° \mu.50'51 0° \neq \u00e4 10° \neq 06'00 0° \u00e5 \u00e5 00'14  15° \u00e5 13'08 15° \u00e5 17'08 20° \u00e5 28'40 0° \u00e\$	-4°16'38 4°12'56 0.54867 AU 24°05'28 1°36'57 1°37'56
evening set inferior conj minimum elong min. Earth dist. morning rise direct morning max el asc. node morning set  superior conj minimum elong max. Earth dist. evening rise	13165 Nov 06 14:49 13165 Nov 09 11:46 13165 Nov 18 08:45 13165 Nov 18 01:27 13165 Nov 18 11:02 13165 Nov 26 16:02 13165 Nov 30 10:23 13165 Dec 13 00:04 13165 Dec 21 21:17 13165 Dec 26 18:24 13166 Jan 03 14:38 13166 Jan 10 08:45  13166 Jan 10 17:41 13166 Jan 14 10:56 13166 Jan 18 20:45 13166 Jan 18 20:45 13166 Jan 23 18:00	13° 🖈 16'41 12° 🖈 57'50 9° 🖈 03'43 9° 🖈 13'57 9° 🗷 00'31 5° 🗗 15'23 4° 🗗 44'38 10° 🛪 45'52 21° 🛪 48'47 0° 🛪 15° 📆 34'54 0° 🖘 0° ※37'48 0° ※47'19 8° ※32'15 17° ※19'13 26° ※27'37	-5°33'55 5°31'53 0.54521 AU 22°17'05 1°29'40 1°30'27	desc. node retrograde evening set inferior conj minimum elong min. Earth dist. morning rise direct morning max el asc. node morning set superior conj minimum elong max. Earth dist. evening rise	13166 Oct 07 11:19 13166 Oct 14 16:20 13166 Oct 18 03:16 13166 Oct 20 04:07 13166 Oct 29 02:54 13166 Oct 28 16:55 13166 Oct 30 18:54 13166 Nov 06 04:43 13166 Nov 10 20:55 13166 Dec 02 06:43 13166 Dec 08 18:18 13166 Dec 18 22:43 13166 Dec 19 02:30  13166 Dec 25 22:26 13166 Dec 25 23:10 13166 Dec 28 08:48 13167 Jan 01 22:06 13167 Jan 02 11:09	17° M.54'26 22° M.40'01 23° M.12'43 23° M.02'00 19° M.04'25 19° M.19'17 18° M.04'48 14° M.57'47 14° M.10'19 20° M.50'51 0° ズ 10° ズ 06'00 0° 云 0° 云 20'14 15° 云 13'08 15° 云 17'08 20° 云 28'40 0° ≈ 1° ≈ 06'08	-4°16'38 4°12'56 0.54867 AU 24°05'28 1°36'57 1°37'56
evening set inferior conj minimum elong min. Earth dist. morning rise direct morning max el asc. node morning set  superior conj minimum elong max. Earth dist. evening rise	13165 Nov 06 14:49 13165 Nov 09 11:46 13165 Nov 18 08:45 13165 Nov 18 01:27 13165 Nov 18 11:02 13165 Nov 26 16:02 13165 Nov 30 10:23 13165 Dec 13 00:04 13165 Dec 21 21:17 13165 Dec 26 18:24 13166 Jan 03 14:38 13166 Jan 10 08:45  13166 Jan 10 17:41 13166 Jan 10 17:41 13166 Jan 18 20:45 13166 Jan 18 20:45 13166 Jan 23 18:00 13166 Jan 25 17:42	13° 🖈 16'41 12° 🖈 57'50 9° 🖈 03'43 9° 🖈 13'57 9° 🖈 00'31 5° 🗗 15'23 4° 才 44'38 10° 🛪 45'52 21° 🛪 48'47 0° 🛪 15° 🛪 34'54 0° ≈ 0° ≈ 37'48 0° ≈ 47'19 8° ≈ 32'15 17° ≈ 19'13 26° ≈ 27'37 0° 米	-5°33'55 5°31'53 0.54521 AU 22°17'05 1°29'40 1°30'27	desc. node retrograde evening set inferior conj minimum elong min. Earth dist. morning rise direct morning max el asc. node morning set superior conj minimum elong max. Earth dist. evening rise	13166 Oct 07 11:19 13166 Oct 14 16:20 13166 Oct 18 03:16 13166 Oct 20 04:07 13166 Oct 29 02:54 13166 Oct 28 16:55 13166 Oct 30 18:54 13166 Nov 06 04:43 13166 Nov 10 20:55 13166 Nov 24 10:58 13166 Dec 02 06:43 13166 Dec 08 18:18 13166 Dec 18 22:43 13166 Dec 19 02:30  13166 Dec 25 22:26 13166 Dec 25 23:10 13166 Dec 28 08:48 13167 Jan 01 22:06 13167 Jan 02 11:09 13167 Jan 10 14:45	17° M.54'26 22° M.40'01 23° M.12'43 23° M.02'00 19° M.04'25 19° M.19'17 18° M.04'48 14° M.57'47 14° M.10'19 20° M.50'51 0° ズ 10° ズ 06'00 0° 云 0° 云 20'14 15° 云 13'08 15° 云 17'08 20° 云 28'40 0° ≈ 1° ≈ 06'08 16° ≈ 34'25	-4°16'38 4°12'56 0.54867 AU 24°05'28 1°36'57 1°37'56 1.32691 AU
evening set inferior conj minimum elong min. Earth dist. morning rise direct morning max el asc. node morning set  superior conj minimum elong max. Earth dist. evening rise desc. node	13165 Nov 06 14:49 13165 Nov 09 11:46 13165 Nov 18 08:45 13165 Nov 18 01:27 13165 Nov 18 11:02 13165 Nov 26 16:02 13165 Nov 30 10:23 13165 Dec 13 00:04 13165 Dec 21 21:17 13165 Dec 26 18:24 13166 Jan 03 14:38 13166 Jan 10 08:45  13166 Jan 10 17:41 13166 Jan 14 10:56 13166 Jan 18 20:45 13166 Jan 23 18:00 13166 Jan 25 17:42 13166 Feb 14 15:05	13° 🗷 16'41 12° 🗷 57'50 9° 🗷 03'43 9° 🗷 13'57 9° 🗷 00'31 5° 🗷 15'23 4° 🗷 44'38 10° 🗷 45'52 21° 🗷 48'47 0° 🛪 15° 🛪 34'54 0° ミ 0° ミ 37'48 0° ミ 47'19 8° ミ 32'15 17° ミ 19'13 26° ミ 27'37 0° 升 0° か	-5°33'55 5°31'53 0.54521 AU 22°17'05 1°29'40 1°30'27 1.34137 AU	desc. node retrograde evening set inferior conj minimum elong min. Earth dist. morning rise direct morning max el asc. node morning set superior conj minimum elong max. Earth dist. evening rise desc. node	13166 Oct 07 11:19 13166 Oct 14 16:20 13166 Oct 18 03:16 13166 Oct 29 02:54 13166 Oct 28 16:55 13166 Oct 30 18:54 13166 Nov 06 04:43 13166 Nov 10 20:55 13166 Dec 02 06:43 13166 Dec 08 18:18 13166 Dec 18 22:43 13166 Dec 19 02:30  13166 Dec 25 22:26 13166 Dec 25 23:10 13166 Dec 28 08:48 13167 Jan 01 22:06 13167 Jan 02 11:09 13167 Jan 10 14:45 13167 Jan 18 16:45	17° M.54'26 22° M.40'01 23° M.12'43 23° M.02'00 19° M.04'25 19° M.19'17 18° M.04'48 14° M.57'47 14° M.10'19 20° M.50'51 0° ズ 10° ズ 06'00 0° 云 0° 云 20'14 15° 云 13'08 15° 云 17'08 20° 云 28'40 0° ≈ 1° ≈ 06'08 16° ≈ 34'25 0° 光	-4°16'38 4°12'56 0.54867 AU 24°05'28 1°36'57 1°37'56 1.32691 AU

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evening set	13167 Feb 25 20:54	27° <b>¥</b> 25′29		evening max el	13168 Jan 18 16:49	5° <b>¥</b> 12'20	27°28'52
min. Earth dist.	13167 Mar 01 16:06	24° <b>₩</b> 05'25	0.63855 AU	retrograde	13168 Feb 01 14:39	12° <b>)</b> € 32'02	
inferior conj	13167 Mar 04 07:43	21° <b>∺</b> 20'56		evening set	13168 Feb 08 12:39	10° <b>)</b> 17'14	
minimum elong	13167 Mar 04 09:09	21° <b>∺</b> 17'11	0°44'59	min. Earth dist.	13168 Feb 12 06:48		0.61812 AU
asc. node	13167 Mar 06 15:58	19° <b>∺</b> 01'06		inferior conj	13168 Feb 15 07:19	4° <b>)</b> 35′57	
morning rise	13167 Mar 10 23:39	16° <b>米</b> 01'38		minimum elong	13168 Feb 15 11:33	4° <b>¥</b> 26′10	1°59'48
direct	13167 Mar 13 10:31	15° <b>)</b> 31′42			13168 Feb 21 10:40	30° <b>R</b> ≈	
morning max el	13167 Mar 19 20:59	18° <b>¥</b> 50′25	17°48'14	asc. node	13168 Feb 21 13:26	29° <b>≈</b> 56'51	
	13167 Mar 28 03:53	$0$ ° $\Upsilon$		morning rise	13168 Feb 22 13:16	29° <b>≈</b> 34′03	
morning set	13167 Apr 05 13:18	14° <b>Ƴ</b> 01'25		direct	13168 Feb 24 17:51	29° <b>≈</b> 12'58	
desc. node	13167 Apr 08 16:47	19° <b>Ƴ</b> 21'35			13168 Feb 27 23:12	0° <b>∀</b>	
	13167 Apr 15 01:42	$_{0\circ}$ 8		morning max el	13168 Mar 02 14:02	2° <b>)</b> 40′40	17°49'08
				morning set	13168 Mar 18 07:53	27° <b>₩</b> 05'17	
superior conj	13167 Apr 18 12:38	5° <b>8</b> 38'48	-1°11'00		13168 Mar 19 23:02	$0^{\circ}\mathbf{\Upsilon}$	
minimum elong	13167 Apr 18 05:25	5° <b>8</b> 09'30	1°10'33	desc. node	13168 Mar 25 13:19	9° <b>Y</b> ′52'39	
max. Earth dist.	13167 Apr 23 22:55	14° <b>8</b> 20'33	1.44965 AU				
evening rise	13167 May 04 02:28	0° <b>Ⅱ</b> 07'56		superior conj	13168 Mar 29 12:24	16° <b>Ƴ</b> 41'27	-0°30'39
Č	13167 May 04 00:24	0°П		minimum elong	13168 Mar 29 09:30	16° <b>Ƴ</b> 29'08	0°30'23
	13167 May 24 09:18	0°9		max. Earth dist.	13168 Apr 05 15:02	28° <b>Y</b> ′29'25	1.43562 AU
evening max el	13167 Jun 01 04:49	9°528'40	20°22'24		13168 Apr 06 13:26	0°8	
asc. node	13167 Jun 02 13:01	10°9545'10		evening rise	13168 Apr 12 18:20	9° <b>8</b> 49'44	
retrograde	13167 Jun 09 03:16	14°902'20		evening rise	13168 Apr 26 04:03	0°П	
evening set	13167 Jun 13 04:05	12°S29'12		evening max el	13168 May 14 01:52	23° <b>Ⅱ</b> 17'21	21°33'44
inferior conj	13167 Jun 18 10:39	6°\$24'43	3°12'54	asc. node	13168 May 19 10:12	27° <b>I</b> I31'52	21 33 44
minimum elong	13167 Jun 18 10:39	6°\$25'11	3°11'52		13168 May 23 01:42	28° <b>I</b> I33'10	
C				retrograde	•	26° <b>I</b> I43'39	
min. Earth dist.	13167 Jun 19 04:46	5°S22'39	0.68194 AU	evening set	13168 May 27 13:08		2005127
morning rise	13167 Jun 23 16:37	0°903'54		inferior conj	13168 Jun 01 19:19	20° <b>Ⅲ</b> 28'11	3°05'37
11	13167 Jun 23 18:22	30°RⅡ 27°₩26152		minimum elong	13168 Jun 01 18:15	20° <b>Ⅲ</b> 31'55	3°04'32
direct	13167 Jun 29 05:47	27° <b>Ⅱ</b> 36'53		min. Earth dist.	13168 Jun 02 00:00	20° <b>Ⅱ</b> 11'51	0.68777 AU
	13167 Jul 05 11:32	0°€		morning rise	13168 Jun 06 23:09	14° <b>Ⅱ</b> 12'42	
desc. node	13167 Jul 05 17:16	0° <b>©</b> 10'08		direct	13168 Jun 11 23:38	12° <b>Ⅱ</b> 02'28	
morning max el	13167 Jul 10 12:07	4° <b>5</b> 21'47	24°15'37	desc. node	13168 Jun 21 14:24	17° <b>Ⅱ</b> 34'50	
	13167 Jul 30 05:01	$0$ $^{\circ}\Omega$		morning max el	13168 Jun 21 23:10	17° <b>Ⅱ</b> 56'39	22°46'02
morning set	13167 Aug 15 00:37	25° <b>Ω</b> 24'59			13168 Jul 02 00:05	$0$ $\circ$ $\odot$	
	13167 Aug 17 15:26	0° <b>m</b> )			13168 Jul 22 07:07	$0$ $^{\circ}$ $\Omega$	
max. Earth dist.	13167 Aug 18 16:10	1° <b>m</b> ,50'11	1.38027 AU	morning set	13168 Jul 26 00:18	6° <b>Ω</b> 01'09	
				max. Earth dist.	13168 Jul 30 14:58	13° <b>Ω</b> 43'53	1.40372 AU
superior conj	13167 Aug 25 21:26	15°Mp 13'31	-0°33'41				
minimum elong	13167 Aug 25 23:46	15° <b>m</b> 24'39	0°33'37	superior conj	13168 Aug 07 10:45	27° <b>Ω</b> 29'33	-1°08'32
asc. node	13167 Aug 29 13:37	22°M 21'36		minimum elong	13168 Aug 07 15:50	27° <b>Ω</b> 52'34	1°08'24
	13167 Sep 02 10:15	0∘ <b>ত</b>			13168 Aug 08 19:45	0° <b>m</b> ∕	
evening rise	13167 Sep 03 15:11	2° <b>₽</b> 23'28		asc. node	13168 Aug 15 10:14	12° <b>m</b> 20'57	
evening max el	13167 Sep 20 03:41	29° <b>ჲ</b> 25'29	19°07'26	evening rise	13168 Aug 17 08:05	15° m 58'30	
	13167 Sep 20 17:57	0° <b>M</b> .			13168 Aug 24 23:18	0∘ <b>ত</b>	
retrograde	13167 Sep 29 04:06	3°M56'16		evening max el	13168 Sep 02 07:21	11° <b>≏</b> 41'32	18°26'27
evening set	13167 Oct 01 00:40	3°M45'36		retrograde	13168 Sep 10 00:10	15° <b>≏</b> 35'00	
desc. node	13167 Oct 01 13:49	3°M38'31		evening set	13168 Sep 12 00:58	15° <b>≏</b> 19'29	
	13167 Oct 08 19:42	30° <b>Ŗ</b> Ω		desc. node	13168 Sep 17 11:20	12° <b>≏</b> 30'51	
inferior conj	13167 Oct 09 11:48	29° <b>≏</b> 32'47	-2°29'23	inferior conj	13168 Sep 19 18:02	10° <b>≏</b> 45'57	-0°43'03
minimum elong	13167 Oct 09 05:24	29° <b>₽</b> 43'39	2°26'31	minimum elong	13168 Sep 19 16:23	10° <b>Ω</b> 49'15	0°42'18
min. Earth dist.	13167 Oct 12 06:35	27° <b>♀</b> 39'49	0.56101 AU	min. Earth dist.	13168 Sep 23 00:30	8° <b>≏</b> 10'56	0.57985 AU
morning rise	13167 Oct 17 07:21	24° <b>♀</b> 52'47		morning rise	13168 Sep 27 04:19	5° <b>≏</b> 28'36	
direct	13167 Oct 22 19:22	23° <u>•</u> 42'38		direct	13168 Oct 03 07:41	3° <b>₽</b> 51'39	
uncet	13167 Nov 04 22:36	0°M		morning max el	13168 Oct 17 15:13	11° <b>≏</b> 27'01	27°07'23
morning max el	13167 Nov 05 21:54	0°M54'07	25°48'12	morning max ci	13168 Nov 01 01:49	0°M	27 0723
asc. node	13167 Nov 25 15:14	29°M00'11	25 46 12	asc. node	13168 Nov 11 12:04	18°M21'33	
asc. node	13167 Nov 26 04:00	0° <b>√</b>		morning set	13168 Nov 16 22:54	29°M30'44	
				morning set			
morning set	13167 Dec 03 13:49	15° <b>∡</b> ′00′16			13168 Nov 17 04:23	0° <b>∡</b> ¹	
aumonia '	12167 D 10 00 20	200.755122	1020100	aumani·	12160 N 22 20 05	140.720157	1022100
superior conj	13167 Dec 10 08:29		1°38'00	superior conj	13168 Nov 23 20:05	14° 🗷 38'57	1°33'08
minimum elong	13167 Dec 10 08:07	29° <b>∡</b> '53'20	1°39'00	minimum elong	13168 Nov 23 18:46	14° 🗷 31'31	1°33'59
gar - 4 - 22	13167 Dec 10 09:19	0°る	1.01550 1.55	max. Earth dist.	13168 Nov 23 21:42	14° <b>∡</b> °47′57	1.31267 AU
max. Earth dist.	13167 Dec 11 13:24	2°る35'26	1.31729 AU	evening rise	13168 Nov 30 15:10	29° <b>∡</b> ³35′27	
evening rise	13167 Dec 17 10:07	15° <b>る</b> 13'37			13168 Nov 30 19:47	0°る	
	13167 Dec 24 22:23	0° <b>≈</b>		desc. node	13168 Dec 14 08:34	25° <b>る</b> 35'53	
desc. node	13167 Dec 28 11:35	6°≈19'58			13168 Dec 17 03:12	0° <b>≈</b>	
	13168 Jan 13 18:53	0° <b>∀</b>		evening max el	13168 Dec 30 20:35	17° <b>≈</b> 12'04	26°53'30

	12160 I 12 10-22	24922124			121(0 D 12 16:06	200	25944150
retrograde	13169 Jan 13 19:23	24°≈22'34		evening max el	13169 Dec 12 16:06	28° <b>♂</b> 18'33	25°44'50
evening set	13169 Jan 20 12:27	22°≈28′20	0.50650 ATT	. 1	13169 Dec 14 13:24	0° <b>≈</b>	
min. Earth dist.	13169 Jan 24 10:42	19°≈49'20	0.59650 AU	retrograde	13169 Dec 26 13:41	5°≈19'43	
inferior conj	13169 Jan 27 15:09	17°≈16′23		evening set	13170 Jan 01 16:08	3°≈53'11	
minimum elong	13169 Jan 27 22:24	17° <b>≈</b> 01'49	3°21'01	min. Earth dist.	13170 Jan 06 04:40	1° <b>≈</b> 15'47	0.57560 AU
morning rise	13169 Feb 04 11:23	12° <b>≈</b> 35′07			13170 Jan 08 00:36	30°Rる	
direct	13169 Feb 06 12:43	12° <b>≈</b> 19′19		inferior conj	13170 Jan 09 03:46	29° <b>る</b> 12'23	
asc. node	13169 Feb 07 10:50	12° <b>≈</b> 22'36		minimum elong	13170 Jan 09 12:30	28° <b>ප</b> 57'12	4°40'04
morning max el	13169 Feb 14 03:11	16° <b>≈</b> 05'57	18°09'00	morning rise	13170 Jan 17 11:35	24° <b>る</b> 53'29	
	13169 Feb 23 19:55	0° <b>∀</b>		direct	13170 Jan 19 14:31	24° <b>る</b> 39'29	
morning set	13169 Mar 01 18:17	10° <b>)</b> 52′24		asc. node	13170 Jan 25 08:11	26° <b>පි</b> 29'01	
				morning max el	13170 Jan 28 08:30	28° <b>පි</b> 55'18	18°49'40
superior conj	13169 Mar 11 11:37	28° <b>∺</b> 49'10	0°07'23		13170 Jan 29 09:40	0° <b>≈</b>	
minimum elong	13169 Mar 11 12:12	28° <b>)</b> 51′46	0°07'24	morning set	13170 Feb 13 15:37	25° <b>≈</b> 08'19	
behind sun begin	13169 Mar 11 05:23	28° <b>)</b> €21'13			13170 Feb 16 03:09	0° <b>∀</b>	
behind sun end	13169 Mar 11 19:01	29° <b>)</b> 22′15					
desc. node	13169 Mar 12 09:50	0° <b>Y</b> 28′20		superior conj	13170 Feb 22 06:16	11° <b>)</b> 50′23	0°39'32
	13169 Mar 12 03:28	$0^{\circ}$ Y		minimum elong	13170 Feb 22 08:39	12° <b>₩</b> 01'38	0°39'33
max. Earth dist.	13169 Mar 19 02:39	12° <b>Ƴ</b> 03'45	1.41654 AU	desc. node	13170 Feb 27 06:22	21° <b>)</b> €05'13	
evening rise	13169 Mar 24 02:38	20° <b>Ƴ</b> 18′01		max. Earth dist.	13170 Mar 01 09:54	24° <b>)</b> 55′00	1.39454 AU
	13169 Mar 30 06:07	$9^{\circ}$ 8			13170 Mar 04 08:04	$0^{\circ}\mathbf{\Upsilon}$	
	13169 Apr 20 11:40	$\Pi^{\circ}0$		evening rise	13170 Mar 05 08:02	1° <b>Y</b> 42'09	
evening max el	13169 Apr 26 18:21	7° <b>Ⅱ</b> 06'41	22°52'43		13170 Mar 23 12:50	$9^{\circ}$ 8	
asc. node	13169 May 06 07:29	13° <b>Ⅱ</b> 04'25		evening max el	13170 Apr 09 08:18	20° <b>8</b> 57'59	24°13'33
retrograde	13169 May 06 22:13	13° <b>耳</b> 06′09		retrograde	13170 Apr 20 15:35	27° <b>8</b> 36'02	
evening set	13169 May 11 20:56	11° <b>Ⅱ</b> 01'34		asc. node	13170 Apr 23 04:49	27° <b>8</b> 06'50	
inferior conj	13169 May 17 04:54		2°47'54	evening set	13170 Apr 26 01:53	25° <b>8</b> 18'41	
minimum elong	13169 May 17 03:08	4° <b>Ⅱ</b> 43'31	2°46'43	min. Earth dist.	13170 Apr 30 16:50	19° <b>8</b> 58'55	0.68526 AU
min. Earth dist.	13169 May 16 20:43	5° <b>Ⅱ</b> 05'47	0.68883 AU	inferior conj	13170 May 01 13:30	18° <b>8</b> 49'05	2°20'07
	13169 May 20 19:18	30°R <b>∀</b>		minimum elong	13170 May 01 11:22		2°18'53
morning rise	13169 May 22 09:14	28° <b>8</b> 28'33		morning rise	13170 May 06 20:57	12° <b>8</b> 48'01	2 1000
direct	13169 May 26 20:44	26° <b>8</b> 38'24		direct	13170 May 10 19:55	11° <b>8</b> 18'48	
ancer	13169 Jun 02 18:56	0°II		morning max el	13170 May 18 12:05	15° <b>8</b> 37'17	20°06'21
morning max el	13169 Jun 04 14:17	1° <b>Ⅱ</b> 41'07	21°20'51	desc. node	13170 May 26 08:18	25° <b>8</b> 04'19	20 0021
desc. node	13169 Jun 08 11:25	5° <b>I</b> I58'07	21 2031	desc. node	13170 May 29 21:15	0°Ⅱ	
desc. Hode	13169 Jun 25 19:58	0° <b>9</b>		morning set	13170 May 29 21:13 13170 Jun 15 02:43	24° <b>Ⅱ</b> 15'08	
morning set	13169 Jul 25 19:58 13169 Jul 05 22:50	15° <b>93</b> 1'16		morning set	13170 Jun 18 19:49	0°95	
max. Earth dist.	13169 Jul 12 19:04	26°930'22	1.42540 AU	max. Earth dist.	13170 Jun 25 05:30	10° <b>©</b> 04'58	1.44279 AU
max. Earm dist.		20 <b>3</b> 30 22 0° <b>Ω</b>	1.42340 AU	max. Earm dist.	131/0 Juli 23 03.30	10 2904 38	1.44279 AU
	13169 Jul 14 21:56	0-86			12170 I 20 21.00	100611152	2004150
	12160 I-1 20 02.45	00 050151	1040157	superior conj	13170 Jun 30 21:09	19°511'52	
superior conj	13169 Jul 20 03:45	8° <b>Ω</b> 50'51		minimum elong	13170 Jul 01 02:56	19°935'30	2-05/38
minimum elong	13169 Jul 20 10:47	9° <b>Ω</b> 21'04	1°41'03		13170 Jul 07 09:30	0°N	
evening rise	13169 Jul 31 12:14	28° <b>Ω</b> 57'47		evening rise	13170 Jul 13 22:42	11° <b>Ω</b> 09'25	
	13169 Aug 01 02:00	0° Mp		asc. node	13170 Jul 20 03:39	21° <b>Ω</b> 46′02	
asc. node	13169 Aug 02 06:54	2° Mp 10'33	10005155		13170 Jul 25 06:08	0°M)	10004127
evening max el	13169 Aug 16 18:08	24° Mp 32'34	18°05'55	evening max el	13170 Jul 31 08:10	7° Mp 49'30	18°04'37
retrograde	13169 Aug 23 14:14	28° Mp 02'30		retrograde	13170 Aug 06 18:09	11° Mp 09'59	
evening set	13169 Aug 25 22:22	27° m/38'13	0045101	evening set	13170 Aug 09 10:29	10° m/33'38	1050111
inferior conj	13169 Sep 01 21:19	22° m/44'15	0°45'01	inferior conj	13170 Aug 15 18:15	5° m/21'14	1°50'11
minimum elong	13169 Sep 01 22:42	22° m/41'03	0°44'16	minimum elong	13170 Aug 15 20:44	5° Mp 14'41	1°48'55
desc. node	13169 Sep 04 08:51	20° m 26'21		min. Earth dist.	13170 Aug 18 14:41	2° m/22'03	0.62488 AU
min. Earth dist.	13169 Sep 05 02:51	19° <b>m</b> 46'09	0.60211 AU		13170 Aug 21 04:06	30°R <b>Ω</b>	
morning rise	13169 Sep 08 19:55	16° <b>m</b> 55'43		morning rise	13170 Aug 22 04:46	29° <b>Ω</b> 12'08	
direct	13169 Sep 15 08:56	14° <b>m</b> 51'47		desc. node	13170 Aug 22 06:20	29° <b>Ω</b> 09'17	
morning max el	13169 Sep 29 16:17	22° Mp 44'46	27°51'04	direct	13170 Aug 28 21:07	26° <b>Ω</b> 46'27	
	13169 Oct 06 03:05	0∘ <b>⊽</b>			13170 Sep 06 08:58	0° <b>m</b> )	
	13169 Oct 25 05:40	0°M		morning max el	13170 Sep 11 23:16	4° Mp 48'10	27°55'41
asc. node	13169 Oct 29 08:49	8°M01'55			13170 Sep 30 21:50	0∘ <b>ত</b>	
morning set	13169 Nov 01 03:51	13°M45'57		morning set	13170 Oct 16 02:35	27° <b>Ω</b> 40'48	
max. Earth dist.	13169 Nov 07 05:49	26°M55'55	1.31316 AU	asc. node	13170 Oct 16 05:29	27° <b>£</b> 55'35	
					13170 Oct 17 05:44	0° <b>M</b>	
superior conj	13169 Nov 08 07:18	29°M17'35	1°22'31	max. Earth dist.	13170 Oct 21 09:48	8°M49'31	1.31895 AU
minimum elong	13169 Nov 08 05:18	29°M06'24	1°23'05				
	13169 Nov 08 14:56	0° <b>∡</b> ¹		superior conj	13170 Oct 23 16:17	13°M46'16	1°06'15
evening rise	13169 Nov 15 00:05	14° <b>∡</b> °05′08		minimum elong	13170 Oct 23 14:01	13°M33'48	1°06'30
	13169 Nov 22 20:39	5°0		evening rise	13170 Oct 30 10:58	28°M37'59	
desc. node	13169 Dec 01 05:37	14° <b>ට</b> 10'02			13170 Oct 31 02:15	0° <b>∡</b> ¹	

	13170 Nov 16 19:01	ი∘ჳ			13171 Oct 23 08:29	0° <b>∡</b> ¹	
desc. node	13170 Nov 18 02:47	1°る46'43		desc. node	13171 Nov 05 00:03	18° <b>∡</b> 05′03	
evening max el	13170 Nov 24 04:05	8°る39'23	24°11'29	evening max el	13171 Nov 05 00:03	18° <b>∡</b> ′41'35	22°29'30
retrograde	13170 Dec 07 19:37	15° <b>る</b> 27'40	24 112)	retrograde	13171 Nov 18 12:44	25° × 06'01	22 27 30
evening set	13170 Dec 17 19:97	14° <b>る</b> 32'24		evening set	13171 Nov 22 03:51	24°×737'11	
min. Earth dist.	13170 Dec 18 15:27	11° <b>る</b> 38'11	0.55827 AU	min. Earth dist.	13171 Nov 29 22:19		0.54753 AU
inferior conj	13170 Dec 20 19:39	10°る18'24		inferior conj	13171 Nov 30 18:09	20° <b>∡</b> 39'58	
minimum elong	13170 Dec 21 01:19	10° <b>る</b> 09'43		minimum elong	13171 Nov 30 15:32	20° <b>×</b> <sup>7</sup> 43'40	
morning rise	13170 Dec 29 08:28	6° <b>る</b> 19'28		morning rise	13171 Dec 09 04:28	16° <b>₹</b> 52'24	
direct	13170 Dec 31 20:43	6°ප03'06		direct	13171 Dec 12 10:45	16° <b>∡</b> 728'16	
morning max el	13171 Jan 11 01:57	10° <b>る</b> 57'12	19°52'54	morning max el	13171 Dec 24 05:00	22° <b>∡</b> 05′11	21°18'52
asc. node	13171 Jan 12 05:27	12° <b>る</b> 06'54		asc. node	13171 Dec 30 02:37	28° <b>₹</b> '59'54	
	13171 Jan 23 22:22	0° <b>≈</b>			13171 Dec 30 19:38	0°రె	
morning set	13171 Jan 28 20:14	9° <b>≈</b> 42'02		morning set	13172 Jan 13 05:22	24° <b>る</b> 25'47	
					13172 Jan 15 21:00	0° <b>≈</b>	
superior conj	13171 Feb 05 15:38	25° <b>≈</b> 31′21	1°04'36				
minimum elong	13171 Feb 05 18:25	25° <b>≈</b> 45′12	1°04'53	superior conj	13172 Jan 20 11:44	9° <b>≈</b> 41'01	1°22'30
	13171 Feb 07 22:15	0° <b>)</b>		minimum elong	13172 Jan 20 14:03	9° <b>≈</b> 52'59	1°23'06
max. Earth dist.	13171 Feb 11 16:04	7° <b>₩</b> 08'23	1.37217 AU	max. Earth dist.	13172 Jan 25 02:30	19° <b>≈</b> 03'28	1.35171 AU
desc. node	13171 Feb 14 02:53	11° <b>¥</b> 39′16		evening rise	13172 Jan 29 04:28	26° <b>≈</b> 57'02	
evening rise	13171 Feb 15 09:42	13° <b>¥</b> 58′04			13172 Jan 30 19:45	0° <b>∀</b>	
	13171 Feb 24 21:06	$0^{\circ}$ Y		desc. node	13172 Jan 31 23:31	2° <b>₩</b> 06'55	
	13171 Mar 18 09:20	$0^{\circ}$ 8			13172 Feb 18 05:53	$0^{\circ}$ Y	
evening max el	13171 Mar 22 21:44	4° <b>8</b> 50'02	25°29'20	evening max el	13172 Mar 04 11:34	18° <b>Y</b> 38'00	26°32'40
retrograde	13171 Apr 04 04:35	11° <b>8</b> 55'56		retrograde	13172 Mar 17 12:13	25° <b>Ƴ</b> 59'20	
evening set	13171 Apr 10 02:22	9° <b>8</b> 29'12		evening set	13172 Mar 23 20:38	23° <b>Y</b> 27'33	
asc. node	13171 Apr 10 02:13	9° <b>8</b> 29'32		asc. node	13172 Mar 26 23:37	20° <b>Y</b> ′24′02	
min. Earth dist.	13171 Apr 14 10:11	4° <b>8</b> 44'56	0.67732 AU	min. Earth dist.	13172 Mar 27 22:35	19° <b>Ƴ</b> 17'53	0.66525 AU
inferior conj	13171 Apr 15 19:11	2° <b>8</b> 58'43	1°42'05	inferior conj	13172 Mar 29 19:53	17° <b>Ƴ</b> 01'56	0°53'24
minimum elong	13171 Apr 15 17:09	3° <b>8</b> 05'17	1°40'58	minimum elong	13172 Mar 29 18:34	17° <b>Y</b> ′05'53	0°52'42
	13171 Apr 18 05:08	30° <b>Ŗϓ</b>		morning rise	13172 Apr 04 17:30	11° <b>Y</b> 20'45	
morning rise	13171 Apr 21 08:23	27° <b>Y</b> ′06'42		direct	13172 Apr 07 18:19	10° <b>Y</b> ′29′15	
direct	13171 Apr 24 19:43	25° <b>Y</b> ′57′29		morning max el	13172 Apr 14 05:17	13° <b>Y</b> 54′50	18°22'31
morning max el	13171 May 01 17:22	29° <b>Y</b> ′43′08	19°06'17		13172 Apr 26 01:58	0° <b>8</b>	
	13171 May 02 00:10	0° <b>8</b>		desc. node	13172 Apr 29 01:46	4° <b>8</b> 41'14	
desc. node	13171 May 13 05:04	14° <b>8</b> 41'24		morning set	13172 May 04 07:30	12° <b>8</b> 59'22	
greatest brilliancy	13171 May 14 18:33	17° <b>8</b> 00'57	-0.7m		13172 May 15 02:09	$\Pi$ °0	
	13171 May 23 06:45	0°Щ					
morning set	13171 May 25 06:44	3° <b>Ⅱ</b> 05'06		superior conj	13172 May 20 00:11	7° <b>∏</b> 41'48	
max. Earth dist.	13171 Jun 07 21:21	24°Щ15'07	1.45412 AU	minimum elong	13172 May 19 16:40	7° <b>I</b> I12'26	2°02'27
	10151 1 10 16 05	200 H20151	2012121	max. Earth dist.	13172 May 20 16:55	8° <b>Ⅱ</b> 47'06	1.45829 AU
superior conj	13171 Jun 10 16:25	28° <b>Ⅲ</b> 38'51			13172 Jun 03 06:40	0°©	
minimum elong	13171 Jun 10 15:59	28° <b>Ⅱ</b> 37'11	2°14'31	evening rise	13172 Jun 04 21:48	2°533'31	0.0
	13171 Jun 11 12:58	0ಂಣ 1		greatest brilliancy asc. node	13172 Jun 14 18:07	17°956'39	-0.8m
evening rise	13171 Jun 25 10:29	22° <b>©</b> 21'31 0° <b>Ω</b>		asc. node	13172 Jun 22 21:19	29° <b>©</b> 48'35 0° <b>Ω</b>	
asc. node	13171 Jun 30 02:35 13171 Jul 07 00:26	11° <b>Ω</b> 01'06		arranina marral	13172 Jun 23 00:47 13172 Jun 27 08:58	5° <b>Ω</b> 05'51	18°56'05
		21°Ω23'02	18°21'39	evening max el		8° <b>Ω</b> 48'18	18 30 03
evening max el retrograde	13171 Jul 14 22:02 13171 Jul 21 07:29	$21^{\circ} \Omega 23 02$ $24^{\circ} \Omega 47'50$	10 41 37	retrograde evening set	13172 Jul 04 02:42 13172 Jul 07 12:29	7°Ω41'14	
evening set	13171 Jul 24 08:23	23°Ω56'54		inferior conj	13172 Jul 13 00:56	1° <b>Ω</b> 57'13	3°00'26
inferior conj	13171 Jul 30 04:41	$18^{\circ}\Omega 27'57$	2°34'12	minimum elong	13172 Jul 13 00:36	1° <b>Ω</b> 52'28	2°59'20
minimum elong	13171 Jul 30 04:41 13171 Jul 30 07:00	$18^{\circ}\Omega 21'11$	2°32'57	min. Earth dist.	13172 Jul 13 02.20 13172 Jul 14 17:27	29°548'59	0.66320 AU
min. Earth dist.	13171 Aug 01 11:52	15° <b>Ω</b> 47'09	0.64574 AU	mm. Earth dist.	13172 Jul 14 13:56	30°R.55	0.00320710
morning rise	13171 Aug 05 04:16	12° <b>Ω</b> 08'02	0.0.07.110	morning rise	13172 Jul 18 15:40	25°533'33	
desc. node	13171 Aug 09 03:47	9° <b>Ω</b> 53'40		direct	13172 Jul 24 22:02	22°953'06	
direct		, 0000 TO			-51,-541 27 22.02		
morning max el	_	9°A29'53		desc. node	13172 Jul 26 01:11	22°957'46	
	13171 Aug 11 18:00	9° <b>Ω</b> 29'53 17° <b>Ω</b> 28'26	27°24'38	desc. node	13172 Jul 26 01:11 13172 Aug 06 06:33	22° <b>©</b> 57'46 0° <b>Ω</b>	
	13171 Aug 11 18:00 13171 Aug 25 09:23	17° <b>Ω</b> 28′26	27°24'38		13172 Aug 06 06:33	$0^{\circ}\Omega$	26°25'03
	13171 Aug 11 18:00 13171 Aug 25 09:23 13171 Sep 04 20:33		27°24'38	desc. node morning max el	13172 Aug 06 06:33 13172 Aug 06 20:25	0° <b>Ω</b> 0° <b>Ω</b> 34'39	26°25'03
morning set	13171 Aug 11 18:00 13171 Aug 25 09:23 13171 Sep 04 20:33 13171 Sep 23 18:45	17° <b>Ω</b> 28'26 0° <b>m</b> 0° <b>⊆</b>	27°24'38	morning max el	13172 Aug 06 06:33 13172 Aug 06 20:25 13172 Aug 28 20:14	0° <b>Ω</b> 0° <b>Ω</b> 34'39 0° <b>m</b>	26°25'03
morning set	13171 Aug 11 18:00 13171 Aug 25 09:23 13171 Sep 04 20:33	17° <b>Q</b> 28'26 0° <b>M</b> 0° <b>Ω</b> 11° <b>Ω</b> 09'03	27°24'38		13172 Aug 06 06:33 13172 Aug 06 20:25 13172 Aug 28 20:14 13172 Sep 11 18:32	0° <b>Ω</b> 0° <b>Ω</b> 34'39	26°25'03
•	13171 Aug 11 18:00 13171 Aug 25 09:23 13171 Sep 04 20:33 13171 Sep 23 18:45 13171 Sep 29 16:34	17° <b>Ω</b> 28'26 0° <b>m</b> 0° <b>⊆</b>	27°24'38 1.33010 AU	morning max el	13172 Aug 06 06:33 13172 Aug 06 20:25 13172 Aug 28 20:14 13172 Sep 11 18:32 13172 Sep 14 21:26	0° N 0° N 34'39 0° M 24° M 02'09	26°25'03 1.34644 AU
asc. node	13171 Aug 11 18:00 13171 Aug 25 09:23 13171 Sep 04 20:33 13171 Sep 23 18:45 13171 Sep 29 16:34 13171 Oct 03 02:06	17° <b>Ω</b> 28'26 0° <b>m</b> 0° <b>Ω</b> 11° <b>Ω</b> 09'03 17° <b>Ω</b> 57'42		morning max el	13172 Aug 06 06:33 13172 Aug 06 20:25 13172 Aug 28 20:14 13172 Sep 11 18:32 13172 Sep 14 21:26 13172 Sep 15 16:51	0° N 0° N34'39 0° M 24° M 02'09 0° Ω	
asc. node max. Earth dist.	13171 Aug 11 18:00 13171 Aug 25 09:23 13171 Sep 04 20:33 13171 Sep 23 18:45 13171 Sep 29 16:34 13171 Oct 03 02:06	17° <b>Ω</b> 28'26 0° <b>m</b> 0° <b>Ω</b> 11° <b>Ω</b> 09'03 17° <b>Ω</b> 57'42		morning max el morning set max. Earth dist.	13172 Aug 06 06:33 13172 Aug 06 20:25 13172 Aug 28 20:14 13172 Sep 11 18:32 13172 Sep 14 21:26	0° N 0° N34'39 0° M 24° M 02'09 0° <u>∩</u> 1° <u>∩</u> 34'49	
asc. node	13171 Aug 11 18:00 13171 Aug 25 09:23 13171 Sep 04 20:33 13171 Sep 23 18:45 13171 Sep 29 16:34 13171 Oct 03 02:06 13171 Oct 04 06:13	17° <b>Ω</b> 28'26 0° m 0° Ω 11° Ω09'03 17° Ω57'42 20° Ω22'24	1.33010 AU	morning max el morning set max. Earth dist.	13172 Aug 06 06:33 13172 Aug 06 20:25 13172 Aug 28 20:14 13172 Sep 11 18:32 13172 Sep 14 21:26 13172 Sep 15 16:51	0° N 0° N34'39 0° M 24° M 02'09 0° <u>∩</u> 1° <u>∩</u> 34'49	
asc. node max. Earth dist.	13171 Aug 11 18:00 13171 Aug 25 09:23 13171 Sep 04 20:33 13171 Sep 23 18:45 13171 Sep 29 16:34 13171 Oct 03 02:06 13171 Oct 04 06:13	17° \$\alpha 28'26 0° \$\mathbf{m}\$ 0° \$\mathbf{n}\$ 11° \$\mathbf{\Omega} 09'03 17° \$\mathbf{\Omega} 57'42 20° \$\mathbf{\Omega} 22'24 27° \$\mathbf{\Omega} 59'30	1.33010 AU 0°44'27	morning max el morning set max. Earth dist. asc. node	13172 Aug 06 06:33 13172 Aug 06 20:25 13172 Aug 28 20:14 13172 Sep 11 18:32 13172 Sep 14 21:26 13172 Sep 15 16:51 13172 Sep 18 22:40	0° N 0° N34'39 0° M 24° M02'09 0° Ω 1° Ω34'49 8° Ω03'34	1.34644 AU
asc. node max. Earth dist.	13171 Aug 11 18:00 13171 Aug 25 09:23 13171 Sep 04 20:33 13171 Sep 23 18:45 13171 Sep 29 16:34 13171 Oct 03 02:06 13171 Oct 04 06:13 13171 Oct 07 20:59 13171 Oct 07 19:01	17° \$\alpha 28'26 0° \$\mathbf{n}\) 0° \$\Lambda\$ 11° \$\Lambda 09'03\$ 17° \$\Lambda 57'42\$ 20° \$\Lambda 22'24\$ 27° \$\Lambda 59'30\$ 27° \$\Lambda 48'59\$	1.33010 AU 0°44'27	morning max el morning set max. Earth dist. asc. node superior conj	13172 Aug 06 06:33 13172 Aug 06 20:25 13172 Aug 28 20:14 13172 Sep 11 18:32 13172 Sep 14 21:26 13172 Sep 15 16:51 13172 Sep 18 22:40 13172 Sep 20 18:55	0° N 0° N34'39 0° M 24° M02'09 0° Ω 1° Ω34'49 8° Ω03'34	1.34644 AU 0°17'26

	13172 Sep 29 11:25	0°M		superior conj	13173 Sep 04 07:10	25° m/10'49	0°14'04
evening max el	13172 Sep 29 11.23 13172 Oct 17 09:12	29°M00'42	20055144	minimum elong	13173 Sep 04 07:10 13173 Sep 04 08:04	25° m 15'17	
evening max er	13172 Oct 17 09:12 13172 Oct 18 10:12	29 11000 42 0° <b>√</b> 1	20 33 44	behind sun begin	13173 Sep 04 08:04 13173 Sep 04 04:53	24° m) 59'35	0 14 05
desc. node	13172 Oct 18 10.12 13172 Oct 21 21:26	2° <b>×</b> <sup>7</sup> 37'48		behind sun end	13173 Sep 04 04.33	25° My 31'01	
		4° <b>₹</b> 46'21		asc. node	13173 Sep 04 11:13 13173 Sep 05 19:15		
retrograde	13172 Oct 28 23:24			asc. node	1	28° Mp 09'48	
evening set	13172 Oct 31 10:01	4° <b>∡</b> ³32'07	5006152		13173 Sep 06 17:16	0° <b>⊽</b>	
inferior conj	13172 Nov 09 09:34	0° ₹38'08		evening rise	13173 Sep 12 12:19	11° <b>£</b> 44'15	
minimum elong	13172 Nov 09 00:08	0° <b>₹</b> 51'32			13173 Sep 22 05:04	0°M	10040140
min. Earth dist.	13172 Nov 10 04:31		0.54557 AU	evening max el	13173 Sep 29 17:25	10°M03'02	19°40'42
	13172 Nov 10 12:26	30°RM.		desc. node	13173 Oct 08 18:53	14°M58'45	
morning rise	13172 Nov 17 14:32	26°M44'55		retrograde	13173 Oct 09 16:13	15°M01'02	
direct	13172 Nov 21 18:34	26°M07'42		evening set	13173 Oct 11 13:37	14°M51'03	
	13172 Dec 01 22:51	0° <b>∡</b> ¹		inferior conj	13173 Oct 20 08:41	10° <b>M</b> ₊47'37	
morning max el	13172 Dec 04 19:40	2° <b>∡</b> ¹25'45 _	23°02'38	minimum elong	13173 Oct 19 23:45	11° <b>M</b> L01'37	
asc. node	13172 Dec 15 23:42	16° <b>∡</b> ′50′30		min. Earth dist.	13173 Oct 22 13:35	9° <b>M</b> 24'50	0.55292 AU
	13172 Dec 23 05:47	0° <b>ろ</b>		morning rise	13173 Oct 28 08:07	6°M28′06	
morning set	13172 Dec 27 16:48	9° <b>る</b> 12'13		direct	13173 Nov 02 08:50	5° <b>M</b> 32′02	
				morning max el	13173 Nov 16 05:42	12°M26'18	24°51'01
superior conj	13173 Jan 03 15:15				13173 Nov 29 16:57	0° <b>∡</b> ¹	
minimum elong	13173 Jan 03 16:37	24° <b>る</b> 16'24	1°34'25	asc. node	13173 Dec 02 20:42	5° <b>₹</b> 124'54	
	13173 Jan 06 09:19	0° <b>≈</b>		morning set	13173 Dec 12 04:40	23° <b>∡</b> 56′16	
max. Earth dist.	13173 Jan 06 20:11	0° <b>≈</b> 56'55	1.33475 AU		13173 Dec 14 23:38	0°ಕ	
evening rise	13173 Jan 11 12:38	10° <b>≈</b> 28'34					
desc. node	13173 Jan 17 20:13	22° <b>≈</b> 22'48		superior conj	13173 Dec 18 23:34	8° <b>る</b> 48'20	1°38'08
	13173 Jan 22 05:30	0° <b>∀</b>		minimum elong	13173 Dec 18 23:50	8° <b>る</b> 49'46	1°39'08
	13173 Feb 12 21:02	$0$ ° $\Upsilon$		max. Earth dist.	13173 Dec 20 21:16	12° <b>る</b> 58'12	1.32225 AU
evening max el	13173 Feb 15 01:02	2° <b>Y</b> 11'02	27°16'17	evening rise	13173 Dec 26 07:00	24° <b>る</b> 24'56	
retrograde	13173 Feb 28 13:38	9° <b>Ƴ</b> 37'37			13173 Dec 29 01:45	0° <b>≈</b>	
evening set	13173 Mar 07 06:40	7° <b>Y</b> ′06′25		desc. node	13174 Jan 04 17:00	12° <b>≈</b> 21'30	
min. Earth dist.	13173 Mar 11 03:52	3° <b>Y</b> 29'27	0.64931 AU		13174 Jan 15 19:25	0° <b>∀</b>	
inferior conj	13173 Mar 13 13:09	0° <b>Y</b> 52'19	-0°06'24	evening max el	13174 Jan 28 12:31	15° <b>¥</b> 17′09	27°33'15
minimum elong	13173 Mar 13 13:20	0° <b>Ƴ</b> 51'48	0°06'14	retrograde	13174 Feb 11 08:10	22° <b>)</b> 41′29	
transit middle	13173 Mar 13 13:20	0° <b>Ƴ</b> 51'48	0°06'14	evening set	13174 Feb 18 05:58	20° <b>¥</b> 18′01	
transit begin	13173 Mar 13 10:32	0° <b>Ƴ</b> 59'32		min. Earth dist.	13174 Feb 22 00:09	17° <b>)</b> €09'48	0.63017 AU
transit end	13173 Mar 13 16:08	0° <b>Ƴ</b> 44'06		inferior conj	13174 Feb 24 20:08	14° <b>)</b> 22'36	-1°17'05
asc. node	13173 Mar 13 21:05	0° <b>Y</b> 30'32		minimum elong	13174 Feb 24 22:41	14° <b>)</b> 16′18	1°15'40
	13173 Mar 14 08:20	30°Ŗ <b>ℋ</b>		asc. node	13174 Feb 28 18:34	10° <b>¥</b> 51'16	
morning rise	13173 Mar 19 21:45	25° <b>)</b> €24'24		morning rise	13174 Mar 03 17:55	9° <b>)</b> 10'40	
direct	13173 Mar 22 13:21	24° <b>)</b> 47'33		direct	13174 Mar 06 01:51	8° <b>¥</b> 44'57	
morning max el	13173 Mar 28 21:36	28° <b>)</b> 05'14	17°55'48	morning max el	13174 Mar 12 15:24	12° <b>)</b> €05'59	17°46'25
C	13173 Mar 30 16:23	$_0$ ° $\gamma$		Ü	13174 Mar 24 21:11	$0^{\circ}$ Y	
morning set	13173 Apr 15 12:49	24° <b>Y</b> 17'37		morning set	13174 Mar 28 19:34	6° <b>Ƴ</b> 48'18	
desc. node	13173 Apr 15 22:24	24° <b>Y</b> 57'15		desc. node	13174 Apr 02 18:58	15° <b>Y</b> ′24'09	
	13173 Apr 18 23:48	0°8			r		
		• •		superior conj	13174 Apr 09 23:58	27° <b>Ƴ</b> 32'11	-0°53'55
superior conj	13173 Apr 29 14:05	17° <b>8</b> 07'52	-1°32'45	minimum elong	13174 Apr 09 18:33	27° <b>Y</b> ′09'47	0°53'32
minimum elong	13173 Apr 29 05:10	16° <b>8</b> 32'25			13174 Apr 11 11:56	0°8	
max. Earth dist.	13173 May 03 13:15	23° <b>8</b> 23'34		max. Earth dist.	13174 Apr 16 07:15	7° <b>8</b> 46'10	1.44436 AU
	13173 May 07 18:43	0°II		evening rise	13174 Apr 25 01:49	21° <b>8</b> 30'45	
evening rise	13173 May 15 14:22	12° <b>Ⅱ</b> 04'33			13174 Apr 30 15:38	0°II	
5 / 4 · · · · · · · · · · · · · · · · · ·	13173 May 27 10:02	0.ಪ			13174 May 22 03:36	0ංම _	
greatest brilliancy	13173 May 29 21:51	3°5540'30	-0.6m	evening max el	13174 May 24 15:03	2°9640'51	20°51'28
asc. node	13173 Jun 09 18:20	17° <b>©</b> 59'28	0.0111	asc. node	13174 May 27 15:28	5°521'13	20 31 20
evening max el	13173 Jun 10 14:56	18°952'54	19°46'43	retrograde	13174 Jun 01 23:56	7°932'27	
retrograde	13173 Jun 18 00:58	23°905'13	17 40 43	evening set	13174 Jun 06 05:08	5°952'12	
evening set	13173 Jun 21 20:06	21°5641'28		inferior conj	13174 Jun 11 11:13		3°11'08
inferior conj	13173 Jun 27 03:58	15°5643'49	3°11'59	minimum elong	13174 Jun 11 10:40	29° <b>I</b> I44'29	3°10'06
minimum elong	13173 Jun 27 04:25	15°942'17	3°10'58	mmmuni ciong	13174 Jun 11 06:11	29 <b>∏</b> 44 29 30°R <b>∏</b>	5 1000
min. Earth dist.	13173 Jun 28 06:00	13 942 17 14°9516'31	0.67638 AU	min. Earth dist.	13174 Jun 11 00:11 13174 Jun 11 23:30	30 KII 29°II00'01	0.68494 AU
morning rise	13173 Jul	9°\$21'02	5.07030 AU	morning rise	13174 Jun 16 15:57	23° <b>I</b> I23'38	0.00 <del>1</del> )1 AU
direct	13173 Jul 02 12.22 13173 Jul 08 08:15	6°947'15		direct	13174 Jun 10 13.37 13174 Jun 21 23:39	23 <b>H</b> 23 38 21° <b>H</b> 03'23	
desc. node	13173 Jul 08 08:13 13173 Jul 12 22:31	8°904'35		desc. node	13174 Jun 21 23:39 13174 Jun 29 19:44	21° <b>II</b> 03°23 24° <b>II</b> 46'17	
morning max el	13173 Jul 12 22:31 13173 Jul 20 07:01	13°957'00	25°06'05	morning max el	13174 Jul 29 19:44 13174 Jul 02 17:22	24° <b>II</b> 46°17 27° <b>II</b> 28'04	23°37'29
morning max er	13173 Jul 20 07:01 13173 Aug 02 08:23	0°Ω	25 00 05	morning max ei	13174 Jul 02 17:22 13174 Jul 05 02:25	27°Щ28°04 0°95	43 3149
	13173 Aug 02 08:23 13173 Aug 21 15:46	0°702			13174 Jul 03 02:23 13174 Jul 26 23:27	0° <b>U</b>	
morning sat	=			morning set		17° <b>Ω</b> 24'02	
morning set max. Earth dist.	13173 Aug 25 04:36 13173 Aug 28 18:38	6° To 11'05 12° To 41'52	1.36707 AU	morning set max. Earth dist.	13174 Aug 06 18:03 13174 Aug 10 16:12	$1/^{\circ} 3 \ell 24 \cdot 02$ $24^{\circ} \Omega 09'01$	1.39023 AU
max. Earth UISt.	13173 Aug 20 10.38	12 HP41 32	1.50/0/ AU	max. Latui Uist.	13174 Aug 10 10.12	47 0607 01	1.37023 AU

	13174 Aug 13 23:11	0° <b>m</b>			13175 Jul 19 19:32	$0^{\circ}\Omega$	
				max. Earth dist.	13175 Jul 23 16:12	6° <b>Ω</b> 22'06	1.41334 AU
superior conj	13174 Aug 18 05:59	7° m 52'38				0	
minimum elong	13174 Aug 18 09:28	8° Mp 08'57	0°48'22	superior conj	13175 Jul 31 11:08	19° <b>Ω</b> 46'27 20° <b>Ω</b> 13'33	
asc. node evening rise	13174 Aug 23 15:50 13174 Aug 27 10:36	18° Mp 12'25 25° Mp 34'17		minimum elong	13175 Jul 31 17:15 13175 Aug 06 03:03	20° <b>3</b> (13'33	1°22'49
evening rise	13174 Aug 27 10:30 13174 Aug 29 17:28	0° <b>⊽</b>		evening rise	13175 Aug 00 03:03	8° Mp 55'06	
evening max el	13174 Sep 12 14:58	21° <b>≏</b> 53'35	18°47'26	asc. node	13175 Aug 10 12:27	8° mp 08'01	
retrograde	13174 Sep 21 00:56	26° <b>≏</b> 07'13			13175 Aug 23 05:28	0∘ <b>⊽</b>	
evening set	13174 Sep 22 22:28	25° <b>≏</b> 55'07		evening max el	13175 Aug 26 22:11	4° <b>≏</b> 25'53	18°15'20
desc. node	13174 Sep 25 16:24	24° <b>≏</b> 58'25		retrograde	13175 Sep 03 04:45	8° <b>≏</b> 07'11	
inferior conj	13174 Oct 01 02:17	21° <b>△</b> 33'59		evening set	13175 Sep 05 08:31	7° <b>Ω</b> 48'23	
minimum elong	13174 Sep 30 22:00	21° <b>Ω</b> 41'45	1°40'50	inferior conj	13175 Sep 12 17:41	3° <b>2</b> 06'19	
min. Earth dist. morning rise	13174 Oct 04 03:55 13174 Oct 08 18:12	19° <b>£</b> 20'54 16° <b>£</b> 37'25	0.56834 AU	minimum elong transit middle	13175 Sep 12 17:34 13175 Sep 12 17:34	3° <b>£</b> 06'33 3° <b>£</b> 06'33	0°02'56 0°02'56
direct	13174 Oct 08 18:12 13174 Oct 14 13:13	16 <b>⊆</b> 37 23 15° <b>⊆</b> 16'07		transit begin	13175 Sep 12 17:34 13175 Sep 12 14:10	3° <b>⊆</b> 13'45	0 02 30
morning max el	13174 Oct 28 19:02	22° <u>0</u> 39'33	26°25'43	transit end	13175 Sep 12 14:10	2° <b>£</b> 59'19	
	13174 Nov 04 08:09	0°M₊		desc. node	13175 Sep 12 13:55	3° <b>≏</b> 14'18	
asc. node	13174 Nov 19 17:36	24°M31'30		min. Earth dist.	13175 Sep 16 01:14	0° <b>≏</b> 18'36	0.58912 AU
	13174 Nov 22 12:39	0° <b>≯</b>			13175 Sep 16 10:34	30°R,™)	
morning set	13174 Nov 26 15:16	8° <b>∡</b> ³32'59		morning rise	13175 Sep 19 23:10	27° <b>m</b> 34'40	
				direct	13175 Sep 26 07:41	25° m/45'29	
superior conj	13174 Dec 03 10:32	23° 🗷 32'10	1°36'39		13175 Oct 06 15:39	0∘ <b>ত</b>	27020141
minimum elong max. Earth dist.	13174 Dec 03 09:44 13174 Dec 04 03:40	23° <b>х</b> 27'43 25° <b>х</b> 07'33	1°37'37 1.31462 AU	morning max el	13175 Oct 10 15:28 13175 Oct 30 00:25	3° <b>ჲ</b> 29'34 0° <b>ル</b>	2/°30'41
max. Earm dist.	13174 Dec 04 03.40 13174 Dec 06 08:31	23 x・0/33 0°る	1.31402 AU	asc. node	13175 Nov 06 14:22	14°M01'28	
evening rise	13174 Dec 10 08:49	8° <b>る</b> 39'19		morning set	13175 Nov 10 22:46	22°M57'06	
evening noe	13174 Dec 21 10:50	0° <b>≈</b>		morning sec	13175 Nov 14 05:06	0° <b>⊼</b> 7	
desc. node	13174 Dec 22 13:54	1° <b>≈</b> 55'54					
evening max el	13175 Jan 10 19:52	27° <b>≈</b> 44'50	27°18'06	superior conj	13175 Nov 17 22:10	8° <b>∡</b> 14'13	1°29'19
	13175 Jan 13 09:08	0° <b>)</b> €		minimum elong	13175 Nov 17 20:30	8° <b>∡</b> ¹04'57	1°30'05
retrograde	13175 Jan 24 18:45	5° <b>米</b> 01'43		max. Earth dist.	13175 Nov 17 12:07	7° <b>∡</b> 18'06	1.31217 AU
evening set	13175 Jan 31 15:32	2° <b>)</b> 54'30	0.60002.444	evening rise	13175 Nov 24 15:43	23° <b>×</b> <sup>7</sup> 05'02	
min. Earth dist.	13175 Feb 04 10:25 13175 Feb 04 14:06	0° <b>)</b> € 07'44 30°R≈	0.60893 AU	desc. node	13175 Nov 27 22:57 13175 Dec 09 10:54	0°る 20°る55'40	
inferior conj	13175 Feb 04 14.00 13175 Feb 07 13:31	30 k≈ 27°≈24'48	-2°36'36	desc. node	13175 Dec 09 10.34 13175 Dec 15 15:50	20 <b>3</b> 33 40 0° <b>≈</b>	
minimum elong	13175 Feb 07 19:05		2°33'49	evening max el	13175 Dec 23 20:26	9° <b>≈</b> 22'53	26°28'16
morning rise	13175 Feb 15 01:42	22° <b>≈</b> 31'35		retrograde	13176 Jan 06 19:27	16° <b>≈</b> 29'30	
asc. node	13175 Feb 15 16:02	22° <b>≈</b> 22'46		evening set	13176 Jan 13 07:19	14° <b>≈</b> 46'42	
direct	13175 Feb 17 04:17	22° <b>≈</b> 13'18		min. Earth dist.	13176 Jan 17 10:11	12° <b>≈</b> 10′07	0.58729 AU
morning max el	13175 Feb 24 07:22	25° <b>≈</b> 48′03	17°55'09	inferior conj	13176 Jan 20 13:35	9° <b>≈</b> 47'56	
	13175 Feb 27 20:52	0° <b>∀</b>		minimum elong	13176 Jan 20 21:49	9° <b>≈</b> 32'22	3°55'37
morning set	13175 Mar 11 21:36	20° <b>)</b> 13'14 0° <b>Υ</b>		morning rise	13176 Jan 28 15:16	5°≈15'49	
desc. node	13175 Mar 17 06:56 13175 Mar 20 15:28	5°Υ58'02		direct asc. node	13176 Jan 30 16:24 13176 Feb 02 13:25	5°≈01'17 5°≈31'27	
dese. node	13173 Wai 20 13.26	3 1 30 02		morning max el	13176 Feb 07 17:39	8°≈59'36	18°23'34
superior conj	13175 Mar 22 10:09	9° <b>Y</b> ′04'34	-0°13'59		13176 Feb 21 07:35	0° <b>∀</b>	
minimum elong	13175 Mar 22 08:55	8° <b>Y</b> 59'13	0°13'51	morning set	13176 Feb 23 13:13	4° <b>)</b> 14'35	
behind sun begin	13175 Mar 22 04:47	8° <b>Ƴ</b> 41'16					
behind sun end	13175 Mar 22 13:03	9° <b>Y</b> 17′09		superior conj	13176 Mar 03 18:12	21° <b>)</b> 36′41	0°21'48
max. Earth dist.	13175 Mar 29 21:05	21° <b>Y</b> 40'35	1.42797 AU	minimum elong	13176 Mar 03 19:44	21° <b>)</b> (43'46	0°21'49
avanina riga	13175 Apr 04 00:44	0°8 1°830'48		desc. node	13176 Mar 06 11:57	26° <b>)</b> 34'41 0° <b>°</b>	
evening rise	13175 Apr 04 23:41 13175 Apr 24 03:10	1 <b>O</b> 3048 0° <b>Ⅱ</b>		max. Earth dist.	13176 Mar 08 10:12 13176 Mar 11 06:32	0 1 4° <b>Υ</b> 56'45	1.40745 AU
evening max el	13175 May 07 09:55	16° <b>∏</b> 30'02	22°06'43	evening rise	13176 Mar 15 16:52	12° <b>Υ</b> 23'28	1.40743 AU
asc. node	13175 May 14 12:42	21° <b>I</b> I38'56	22 00 .5	evening rise	13176 Mar 26 21:49	0°8	
retrograde	13175 May 16 21:48	22° <b>Ⅱ</b> 05'05			13176 Apr 18 16:54	0°П	
evening set	13175 May 21 13:51	20° <b>I</b> 109'10		evening max el	13176 Apr 19 01:13	0°Ⅱ20'54	23°27'17
inferior conj	13175 May 26 20:33	13° <b>∏</b> 49'36	2°59'22	retrograde	13176 Apr 29 17:00	6° <b>Ⅱ</b> 37'17	
minimum elong	13175 May 26 19:08	13° <b>∏</b> 54'29	2°58'14	asc. node	13176 Apr 30 10:01	6° <b>Ⅱ</b> 34'59	
min. Earth dist.	13175 May 26 19:45	13° <b>∏</b> 52'21	0.68879 AU	evening set	13176 May 04 20:35	4° <b>Ⅱ</b> 27'11	
morning rise direct	13175 Jun 01 00:15 13175 Jun 05 19:10	7° <b>П</b> 36'31 5° <b>П</b> 34'27		min. Earth dist.	13176 May 08 18:54	30°R <b>と</b> 28° <b>と</b> 46'39	0.68794 AU
morning max el	13175 Jun 05 19:10 13175 Jun 15 05:42	11° <b>П</b> 06'49	22°08'41	inferior conj	13176 May 09 16:30 13176 May 10 05:56	28° <b>8</b> 00'26	0.68794 AU 2°37'22
desc. node	13175 Jun 16 16:48	12° <b>Д</b> 38'24	00 11	minimum elong	13176 May 10 03:57	28° <b>8</b> 07'14	
	13175 Jun 30 03:51	0ಂಣ		morning rise	13176 May 15 11:15	21° <b>8</b> 54'39	
morning set	13175 Jul 18 06:53	27° <b>©</b> 31'36		direct	13176 May 19 17:26	20° <b>8</b> 13'11	

morning max el	13176 May 27 23:14	24° <b>8</b> 55'34	20°47'26	greatest brilliancy	13177 May 23 16:39	25° <b>8</b> 22'59	-0.6m
	13176 Jun 01 11:39	$\Pi$ $^{\circ}0$			13177 May 26 19:34	$\Pi$ $^{\circ}0$	
desc. node	13176 Jun 02 13:44	1° <b>Ⅱ</b> 21'27		morning set	13177 Jun 05 21:01	15° <b>Ⅱ</b> 16′07	
	13176 Jun 22 12:43	$0$ $\circ$ $\odot$			13177 Jun 15 08:43	$0$ $\circ$ $\odot$	
morning set	13176 Jun 26 19:50	6° <b>ॐ</b> 37'12		max. Earth dist.	13177 Jun 17 12:39	3° <b>©</b> 24'34	1.44850 AU
max. Earth dist.	13176 Jul 04 23:02	19° <b>©</b> 30'35	1.43351 AU				
max. Earth dist.	13176 Jul 11 08:07	0°Ω	1.43331710	superior conj	13177 Jun 22 01:38	10° <b>©</b> 38'38	2°10'52
	131/0341 11 00.07	0 06					
	12176 1 1 11 10 21	00 0 10150	1050106	minimum elong	13177 Jun 22 05:20	10°953'29	2 1140
superior conj	13176 Jul 11 18:21	0° <b>Ω</b> 42'52			13177 Jul 03 20:41	$0$ $\circ$ $\Omega$	
minimum elong	13176 Jul 12 01:24	1° <b>Ω</b> 12'32	1°52'54	evening rise	13177 Jul 05 21:06	3° <b>£</b> 23′08	
evening rise	13176 Jul 23 19:47	21° <b>Ω</b> 35'35		asc. node	13177 Jul 14 05:54	17° <b>Ω</b> 20′05	
asc. node	13176 Jul 27 09:09	27° <b>Ω</b> 52′28			13177 Jul 23 04:11	0° <b>m</b> y	
	13176 Jul 28 14:19	0° <b>m</b> ⁄		evening max el	13177 Jul 24 01:10	0° <b>m</b> 54'30	18°09'39
evening max el	13176 Aug 09 10:52	17° <b>m</b> ) 29'42	18°03'07	retrograde	13177 Jul 30 09:46	4° mp 15'18	
retrograde	13176 Aug 16 01:13	20° m 53'35		evening set	13177 Aug 02 05:45	3° m/32'53	
evening set	13176 Aug 18 12:55	20° m/24'21		5 · • • • • • • • • • • • • • • • • • •	13177 Aug 06 16:21	30°RΩ	
inferior conj	13176 Aug 25 04:58	15° m 22'12	1°15'28	inferior conj	13177 Aug 08 08:08	28° <b>Ω</b> 12'54	2°11'17
3	•	15° Mg 17'09	1°14'23	minimum elong	13177 Aug 08 08:08 13177 Aug 08 10:40	$28^{\circ}\Omega 05'55$	2°09'58
minimum elong	13176 Aug 25 07:01			- C	•		
min. Earth dist.	13176 Aug 28 07:19	12° Tp 21'15	0.61194 AU	min. Earth dist.	13177 Aug 10 23:05	25° <b>Ω</b> 19'45	0.63407 AU
desc. node	13176 Aug 29 11:25	11° <b>m</b> )17'59		morning rise	13177 Aug 14 13:46	21° <b>Ω</b> 58′08	
morning rise	13176 Aug 31 22:24	9° <b>™</b> 23'58		desc. node	13177 Aug 16 08:54	20° <b>Ω</b> 46'38	
direct	13176 Sep 07 13:44	7° <b>₯</b> 09'56		direct	13177 Aug 21 05:31	19° <b>Ω</b> 26'19	
morning max el	13176 Sep 21 19:08	15° <b>m</b> 06'57	27°57'46	morning max el	13177 Sep 04 03:56	27° <b>Ω</b> 27'49	27°46'35
	13176 Oct 03 21:50	0∘ <b>⊽</b>			13177 Sep 06 13:42	o°mp	
	13176 Oct 21 13:19	0° <b>M</b> .			13177 Sep 27 15:16	0∘ <b>⊽</b>	
asc. node	13176 Oct 23 11:03	3°M48'20		morning set	13177 Oct 08 20:39	20° <b>Ω</b> 48'40	
morning set	13176 Oct 25 01:19	7° <b>M</b> 04'27		asc. node	13177 Oct 10 07:40	23° <b>Ω</b> 46'01	
max. Earth dist.		19°M21'54	1.31499 AU	asc. Houc		0°M	
max. Earm dist.	13176 Oct 30 19:02	19 11621 34	1.51499 AU	E d E d	13177 Oct 13 07:32		1 22200 ATT
				max. Earth dist.	13177 Oct 13 20:26	1°M08'23	1.32309 AU
superior conj	13176 Nov 01 08:39	22°M49'34	1°16'18				
minimum elong	13176 Nov 01 06:29	22°M37'29	1°16'45	superior conj	13177 Oct 16 16:03	7° <b>M</b> 12'04	0°57'40
	13176 Nov 04 14:15	0° <b>∡</b> ¹		minimum elong	13177 Oct 16 13:49	6° <b>™</b> 59'59	0°57'49
evening rise	13176 Nov 08 01:43	7° <b>∡</b> ³37′16		evening rise	13177 Oct 23 12:53	22°M10'02	
	13176 Nov 19 12:34	0° <b>ප</b>			13177 Oct 27 06:27	0° <b>∡</b> ¹	
desc. node	13176 Nov 25 08:01	9° <b>る</b> 07'51		desc. node	13177 Nov 12 05:14	26° <b>∡</b> 13'59	
evening max el	13176 Dec 04 12:37	20° <b>る</b> 08'47	25°07'25		13177 Nov 15 16:03	0°₹	
retrograde	13176 Dec 18 08:10	27° <b>る</b> 04'19		evening max el	13177 Nov 15 22:43	0° <b>ರ</b> 16'14	23°27'57
evening set	13176 Dec 24 01:05	25°る51'10		retrograde	13177 Nov 19 22:43	6° <b>る</b> 56'22	25 21 51
Č			0.56764.411	Č			
min. Earth dist.	13176 Dec 29 00:35		0.56764 AU	evening set	13177 Dec 03 19:11	6° <b>る</b> 13'10	0.55076.444
inferior conj	13176 Dec 31 17:22	21°る23'07		min. Earth dist.	13177 Dec 10 08:50		0.55276 AU
minimum elong	13177 Jan 01 01:31	21° <b>る</b> 09'44	5°09'02	inferior conj	13177 Dec 12 00:54	2° <b>る</b> 07'44	
morning rise	13177 Jan 09 04:14	17° <b>る</b> 13'03		minimum elong	13177 Dec 12 03:28	2° <b>そ</b> 03'58	5°52'01
direct	13177 Jan 11 10:16	16° <b>る</b> 58'29			13177 Dec 15 21:11	30°₽ <b>⋌</b> 7	
asc. node	13177 Jan 19 10:42	20° <b>る</b> 18'19		morning rise	13177 Dec 20 13:28	28° <b>∡</b> 15'37	
morning max el	13177 Jan 20 18:15	21° <b>る</b> 29'31	19°13'42	direct	13177 Dec 23 08:35	27° <b>∡</b> 56'39	
	13177 Jan 27 09:44	0° <b>≈</b>			13177 Dec 30 05:18	0°రె	
morning set	13177 Feb 06 14:03	18° <b>≈</b> 39'32		morning max el	13178 Jan 03 05:38	3° <b>⋜</b> 08'08	20°26'58
<i>5</i>	13177 Feb 12 06:56	0° <b>∀</b>		asc. node	13178 Jan 06 07:54	6° <b>る</b> 29'47	
	100 12 00.50	- /\			13178 Jan 20 06:02	0° <b>≈</b>	
superior coni	13177 Feb 14 19:39	4° <b>)</b> 56'17	0°51'02	morning set	13178 Jan 21 20:52	3°≈18'13	
superior conj		5° <b>¥</b> 09'18		morning set	131/0 Jan 21 20.32	J ∞1013	
minimum elong	13177 Feb 14 22:20		0°51'10		12170 1 20 10 01	10050140	1012104
desc. node	13177 Feb 21 08:29	17° <b>)</b> 10'47		superior conj	13178 Jan 29 10:01		1°13'04
max. Earth dist.	13177 Feb 21 13:17	17° <b>¥</b> 32′29	1.38500 AU	minimum elong	13178 Jan 29 12:41	19° <b>≈</b> 04'12	1°13'28
evening rise	13177 Feb 25 07:13	24° <b>)</b> 10′34		max. Earth dist.	13178 Feb 03 20:45	29° <b>≈</b> 35'46	1.36307 AU
	13177 Feb 28 17:17	$0^{\circ}$ Y			13178 Feb 04 01:49	0° <b>∀</b>	
	13177 Mar 20 15:28	0°B		evening rise	13178 Feb 07 16:32	6° <b>)</b> 45′25	
evening max el	13177 Apr 01 14:53	14° <b>8</b> 13'24	24°46'46	desc. node	13178 Feb 08 05:04	7° <b>)</b> 42′35	
retrograde	13177 Apr 13 08:28	21° <b>8</b> 03'53			13178 Feb 21 12:41	$0^{\circ}$ Y	
asc. node	13177 Apr 17 07:23	19° <b>8</b> 55'23		evening max el	13178 Mar 15 04:18	28° <b>Y</b> ′04'16	25°58'11
evening set	13177 Apr 18 23:50	18° <b>8</b> 42'02			13178 Mar 17 06:05	0°8	
min. Earth dist.	13177 Apr 18 23:30 13177 Apr 23 11:35	13° <b>8</b> 37'40	0.68251 AU	retrograde	13178 Mar 17 00:03	5° <b>8</b> 18'26	
	-			•			
inferior conj	13177 Apr 24 13:31	12° <b>8</b> 11'42	2°05'16	evening set	13178 Apr 02 21:57	2° <b>8</b> 48'36	
minimum elong	13177 Apr 24 11:22	12° <b>8</b> 18'51	2°04'02	asc. node	13178 Apr 04 04:47	1° <b>8</b> 38'11	
morning rise	13177 Apr 29 23:07	6° <b>8</b> 14'28			13178 Apr 05 17:23	30°₹ <b>Υ</b>	
direct	13177 May 03 17:06	4° <b>8</b> 53'53		min. Earth dist.	13178 Apr 07 03:01	28° <b>Y</b> 19'31	0.67267 AU
morning max el	13177 May 11 00:15	8° <b>8</b> 56'18	19°38'51	inferior conj	13178 Apr 08 17:22	26° <b>Ƴ</b> 19'27	1°22'47
desc. node	13177 May 20 10:34	20° <b>8</b> 41'54		minimum elong	13178 Apr 08 15:33	26° <b>Y</b> 25'09	1°21'47
				_			

inforior coni	13180 Mar 06 04:32	24° <b>)</b> €01'13	0025105	inforior comi	13181 Feb 17 06:09	7° <b>¥</b> 20'30	1940/55
inferior conj				inferior conj			
minimum elong	13180 Mar 06 05:37	23° <b>)</b> 58'21	0°34'26	minimum elong	13181 Feb 17 09:56	7° <b>)</b> 11'38	1°4/'54
asc. node	13180 Mar 07 23:42	22° <b>)</b> 10'34		asc. node	13181 Feb 22 21:09	2° <b>)</b> 55'33	
morning rise	13180 Mar 12 18:29	18° <b>)</b> 39′27		morning rise	13181 Feb 24 09:58	2° <b>)</b> 15′53	
direct	13180 Mar 15 06:32	18° <b>)</b> €07'49		direct	13181 Feb 26 15:24	1° <b>¥</b> 53'39	
morning max el	13180 Mar 21 16:09	21° <b>X</b> 25'57	17°49'36	morning max el	13181 Mar 05 09:30	5° <b>∺</b> 19'10	17°47'48
	13180 Mar 28 07:40	$0^{\circ}$ $\Upsilon$		morning set	13181 Mar 21 05:23	29° <b>∺</b> 46′15	
morning set	13180 Apr 07 13:42	16° <b>Ƴ</b> 50′20			13181 Mar 21 08:29	$0^{\circ}$ Y	
desc. node	13180 Apr 10 00:34	20° <b>Y</b> 58′22		desc. node	13181 Mar 27 21:05	11° <b>Ƴ</b> 28'29	
	13180 Apr 15 10:34	0° <b>႘</b>					
				superior conj	13181 Apr 01 15:51	19° <b>Ƴ</b> 39'12	-0°36'43
superior conj	13180 Apr 20 19:45	8° <b>8</b> 46'34	-1°16'54	minimum elong	13181 Apr 01 12:18	19° <b>Ƴ</b> 24'15	0°36'25
minimum elong	13180 Apr 20 11:59	8° <b>8</b> 15'12	1°16'29	-	13181 Apr 07 22:05	0°8	
max. Earth dist.	13180 Apr 25 21:40	16° <b>8</b> 52'50	1.45125 AU	max. Earth dist.	13181 Apr 08 14:29	1° <b>8</b> 06'22	1.43807 AU
	13180 May 04 07:42	0°II		evening rise	13181 Apr 16 03:16	13° <b>8</b> 01'23	
evening rise	13180 May 06 13:01	3° <b>∏</b> 24'38		0 / 4 · · · · · · · · · · · · · · · · · ·	13181 Apr 27 09:03	0°II	
e vennig rise	13180 May 24 10:21	0.2 2		evening max el	13181 May 17 00:31	25° <b>I</b> 54'57	21°22'29
evening max el	13180 Jun 03 02:43	12° <b>©</b> 06'21	20°12'45	asc. node	13181 May 21 17:58	29° <b>Ⅱ</b> 47'01	21 22 2)
•	13180 Jun 03 20:49	12 \$500 21 12°\$50'23	20 12 43	asc. node	-	29 <b>ப</b> 4701 0°9	
asc. node					13181 May 22 03:07		
retrograde	13180 Jun 10 21:41	16°934'03		retrograde	13181 May 25 20:18	1°504'21	
evening set	13180 Jun 14 21:02	15° <b>©</b> 03'16			13181 May 29 06:36	30°RⅡ	
inferior conj	13180 Jun 20 03:51	9° <b>©</b> 00'35	3°13'00	evening set	13181 May 30 06:08	29° <b>Ⅱ</b> 17'06	
minimum elong	13180 Jun 20 03:52	9° <b>©</b> 00'31	3°11'59	inferior conj	13181 Jun 04 12:12	23° <b>Ⅱ</b> 03'04	3°07'26
min. Earth dist.	13180 Jun 21 00:01	7° <b>©</b> 51'54	0.68067 AU	minimum elong	13181 Jun 04 11:16	23° <b>Ⅱ</b> 06′20	3°06'21
morning rise	13180 Jun 25 10:23	2° <b>5</b> 39'16		min. Earth dist.	13181 Jun 04 18:49	22° <b>Ⅱ</b> 40′02	0.68717 AU
direct	13180 Jul 01 01:22	0° <b>©</b> 10'17		morning rise	13181 Jun 09 16:12	16° <b>Ⅱ</b> 46'42	
desc. node	13180 Jul 07 00:59	2° <b>5</b> 21'13		direct	13181 Jun 14 18:33	14° <b>Ⅲ</b> 33'51	
morning max el	13180 Jul 12 12:00	7° <b>©</b> 01'45	24°28'53	desc. node	13181 Jun 23 22:07	19° <b>Ⅲ</b> 35'32	
S	13180 Jul 30 09:34	$0^{\circ}\Omega$		morning max el	13181 Jun 24 22:49	20° <b>Ⅱ</b> 35'57	22°59'21
morning set	13180 Aug 17 03:37	28° <b>Ω</b> 25'38		<i>S</i>	13181 Jul 02 23:37	0ංම	
morning out	13180 Aug 18 01:11	0° m)			13181 Jul 23 14:35	$0^{\circ}\Omega$	
max. Earth dist.	13180 Aug 20 18:02	4° <b>m</b> ) 49'01	1.37680 AU	morning set	13181 Jul 29 07:01	9° <b>Ω</b> 11'55	
max. Lartii dist.	13100 Aug 20 10.02	יט לדעוו ד	1.57000 AC	max. Earth dist.	13181 Aug 02 16:35	16° <b>Ω</b> 36'30	1.40027 AU
	12100 A 27 10-20	100 m 01100	0020127	max. Earm dist.	13161 Aug 02 10.33	10 863030	1.40027 AU
superior conj	13180 Aug 27 19:30	18° Mp 01'09			12101 4 10 11 26	00 7 2 4 2 4	1002110
minimum elong	13180 Aug 27 21:26	18° Mp 10'27	0°28'24	superior conj	13181 Aug 10 11:26	0° m/24'24	
asc. node	13180 Aug 30 21:28	24° Tp 02'19		minimum elong	13181 Aug 10 16:06	0° <b>m</b> 45'44	1°03'09
	13180 Sep 02 21:28	0∘ <b>⊽</b>			13181 Aug 10 06:06	0° <b>m</b> )	
evening rise	13180 Sep 05 09:44	5° <b>ഫ</b> 00'53		asc. node	13181 Aug 17 18:05	14° <b>m</b> 02'53	
	13180 Sep 19 23:04	$0^{\circ}$ M		evening rise	13181 Aug 20 04:11	18° <b>m</b> ) 40'28	
evening max el	13180 Sep 22 01:56	2°M20'46	19°15'21		13181 Aug 26 05:34	0∘ <b>亚</b>	
retrograde	13180 Oct 01 07:51	6° <b>™</b> 58'19		evening max el	13181 Sep 05 04:05	14° <b>≙</b> 30′22	18°31'10
desc. node	13180 Oct 02 21:28	6°M50'53		retrograde	13181 Sep 13 01:03	18° <b>≏</b> 28'46	
evening set	13180 Oct 03 04:22	6° <b>™</b> 47'57		evening set	13181 Sep 15 00:51	18° <b>≏</b> 14'17	
inferior conj	13180 Oct 11 17:49	2°M37'43	-2°46'14	desc. node	13181 Sep 19 18:59	15° <b>≙</b> 59'13	
minimum elong	13180 Oct 11 10:40	2°M49'34	2°43'05	inferior conj	13181 Sep 22 20:44	13° <b>≏</b> 43'52	-0°58'14
min. Earth dist.	13180 Oct 14 09:26	0° <b>™</b> 52'24	0.55868 AU	minimum elong	13181 Sep 22 18:26	13° <b>≏</b> 48'20	0°57'10
	13180 Oct 15 18:58	30° <b>₽</b> Ω		min. Earth dist.	13181 Sep 26 02:19	11° <b>Ω</b> 14'00	0.57674 AU
morning rise	13180 Oct 19 14:27	28° <b>♀</b> 03'24		morning rise	13181 Sep 30 08:32	8° <b>≏</b> 31'40	
direct	13180 Oct 24 23:42	26° <b>♀</b> 57'06		direct	13181 Oct 06 09:51	6° <b>£</b> 58'54	
direct	13180 Nov 03 00:04	0°M		morning max el	13181 Oct 20 17:14	14° <b>≏</b> 31'21	26°57'42
morning max el	13180 Nov 08 00:57	4°M04'03	25024102	morning max ci	13181 Oct 20 17:14 13181 Nov 02 03:20	0°M	20 37 42
			23 34 03	4-			
asc. node	13180 Nov 26 23:02	0° <b>∡</b> 749'29		asc. node	13181 Nov 13 19:53	20°M07'07	
	13180 Nov 26 12:14	0° <b>∡</b> 7			13181 Nov 18 16:52	0° <b>∡</b> ¹	
morning set	13180 Dec 05 06:34	17° <b>∡</b> 31'04		morning set	13181 Nov 19 16:04	2° <b>₹</b> 03'05	
	13180 Dec 10 23:00	0°ප				_	
				superior conj	13181 Nov 26 12:38	17° <b>∡</b> 08′27	1°34'14
superior conj	13180 Dec 12 01:10	2° <b>る</b> 24'59	1°38'13	minimum elong	13181 Nov 26 11:26	17° <b>∡</b> '01'47	1°35'08
minimum elong	13180 Dec 12 00:58	2° <b>る</b> 23'51	1°39'14	max. Earth dist.	13181 Nov 26 18:18	17° <b>∡</b> ¹40'11	1.31301 AU
max. Earth dist.	13180 Dec 13 10:24	5° <b>る</b> 28'29	1.31843 AU		13181 Dec 02 08:35	ರ°0	
	13100 DCC 13 10.24			arranina riaa	13181 Dec 03 08:24	2° <b>る</b> 07'23	
evening rise	13180 Dec 19 04:10	17° <b>る</b> 47'43		evening rise	13101 DCC 03 00.24	2 00/23	
evening rise		17° <b>ප්</b> 47'43 0°≈		desc. node	13181 Dec 16 16:13	27° <b>る</b> 25'43	
evening rise  desc. node	13180 Dec 19 04:10			•			
-	13180 Dec 19 04:10 13180 Dec 25 08:01 13180 Dec 29 19:18	0° <b>≈</b> 8° <b>≈</b> 04'49		desc. node	13181 Dec 16 16:13 13181 Dec 18 06:12	27° <b>ප්</b> 25'43 0°≋	27°00'57
desc. node	13180 Dec 19 04:10 13180 Dec 25 08:01 13180 Dec 29 19:18 13181 Jan 13 10:55	0°≈ 8°≈04'49 0°¥	27°31'02	desc. node evening max el	13181 Dec 16 16:13 13181 Dec 18 06:12 13182 Jan 02 21:52	27° <b>♂</b> 25'43 0°≈ 20°≈08'57	27°00'57
desc. node	13180 Dec 19 04:10 13180 Dec 25 08:01 13180 Dec 29 19:18 13181 Jan 13 10:55 13181 Jan 20 17:12	0°≈ 8°≈04'49 0°¥ 8°¥02'10	27°31'02	desc. node evening max el retrograde	13181 Dec 16 16:13 13181 Dec 18 06:12 13182 Jan 02 21:52 13182 Jan 16 20:42	27°₹25'43 0°≈ 20°≈08'57 27°≈21'13	27°00'57
desc. node evening max el retrograde	13180 Dec 19 04:10 13180 Dec 25 08:01 13180 Dec 29 19:18 13181 Jan 13 10:55 13181 Jan 20 17:12 13181 Feb 03 14:26	0°≈ 8°≈04'49 0°¥ 8°¥02'10 15°¥22'51	27°31'02	desc. node evening max el retrograde evening set	13181 Dec 16 16:13 13181 Dec 18 06:12 13182 Jan 02 21:52 13182 Jan 16 20:42 13182 Jan 23 15:04	27° <b>♂</b> 25'43 0°≈ 20°≈08'57 27°≈21'13 25°≈23'15	
desc. node evening max el retrograde evening set	13180 Dec 19 04:10 13180 Dec 25 08:01 13180 Dec 29 19:18 13181 Jan 13 10:55 13181 Jan 20 17:12 13181 Feb 03 14:26 13181 Feb 10 12:38	0°≈ 8°≈04'49 0°¥ 8°¥02'10 15°¥22'51 13°¥05'35		desc. node  evening max el retrograde evening set min. Earth dist.	13181 Dec 16 16:13 13181 Dec 18 06:12 13182 Jan 02 21:52 13182 Jan 16 20:42 13182 Jan 23 15:04 13182 Jan 27 12:06	27° <b>♂</b> 25'43 0° <b>≈</b> 20° <b>≈</b> 08'57 27° <b>≈</b> 21'13 25° <b>≈</b> 23'15 22° <b>≈</b> 42'46	0.59971 AU
desc. node evening max el retrograde	13180 Dec 19 04:10 13180 Dec 25 08:01 13180 Dec 29 19:18 13181 Jan 13 10:55 13181 Jan 20 17:12 13181 Feb 03 14:26	0°≈ 8°≈04'49 0°¥ 8°¥02'10 15°¥22'51	27°31'02 0.62134 AU	desc. node evening max el retrograde evening set	13181 Dec 16 16:13 13181 Dec 18 06:12 13182 Jan 02 21:52 13182 Jan 16 20:42 13182 Jan 23 15:04	27° <b>♂</b> 25'43 0°≈ 20°≈08'57 27°≈21'13 25°≈23'15	0.59971 AU

	12102 1 20 22 22	100 - 5012 (	200012.5		12102 D 20 16 52	00 - 26125	
minimum elong	13182 Jan 30 23:23	19°≈52'36	3°08'35	retrograde	13182 Dec 29 16:53	8°≈26'35	
morning rise	13182 Feb 07 10:46	15°≈22'19		evening set	13183 Jan 04 22:05	6°≈55'40	0.55040.434
direct	13182 Feb 09 12:17	15°≈06'00		min. Earth dist.	13183 Jan 09 07:36	4°≈19'01	0.57849 AU
asc. node	13182 Feb 09 18:34	15°≈06'16	1000 446	inferior conj	13183 Jan 12 08:14	2°≈10'10	
morning max el	13182 Feb 16 23:30	18°≈49'07	18°04'46	minimum elong	13183 Jan 12 16:58	1°≈54'39	4°28'53
	13182 Feb 25 02:19	0° <b>∺</b>			13183 Jan 15 13:28	30°Rる	
morning set	13182 Mar 04 13:45	13° <b>)</b> €27'56		morning rise	13183 Jan 20 14:39	27° <b>る</b> 47'57	
	13182 Mar 13 13:47	$\mathbf{\gamma}_0$		direct	13183 Jan 22 16:49	27° <b>る</b> 33'59	
				asc. node	13183 Jan 27 15:54	28° <b>る</b> 57'55	
superior conj	13182 Mar 14 11:47	1° <b>Ƴ</b> 38′06	0°01'56		13183 Jan 29 05:34	0° <b>≈</b>	
minimum elong	13182 Mar 14 11:57	1° <b>Ƴ</b> 38'49	0°01'59	morning max el	13183 Jan 31 06:17	1° <b>≈</b> 45′03	18°42'12
behind sun begin	13182 Mar 14 04:14	1° <b>Y</b> 04′28		morning set	13183 Feb 16 09:45	27° <b>≈</b> 40'45	
behind sun end	13182 Mar 14 19:40	2° <b>Y</b> 13′06			13183 Feb 17 14:22	0° <b>∀</b>	
desc. node	13182 Mar 14 17:36	2° <b>Y</b> 03'54					
max. Earth dist.	13182 Mar 22 02:41	14° <b>Ƴ</b> 46'14	1.41959 AU	superior conj	13183 Feb 25 03:54	14° <b>¥</b> 32'38	0°35'04
evening rise	13182 Mar 27 08:35	23° <b>Y</b> 21'40		minimum elong	13183 Feb 25 06:06	14° <b>) (</b> 42′59	0°35'05
	13182 Mar 31 13:23	$9^{\circ}$ 8		desc. node	13183 Mar 01 14:04	22° <b>) (</b> 40′48	
	13182 Apr 21 09:32	$\Pi$ $^{\circ}0$		max. Earth dist.	13183 Mar 04 10:16	27° <b>)</b> 43′32	1.39791 AU
evening max el	13182 Apr 29 17:27	9° <b>Ⅱ</b> 43'47	22°40'42		13183 Mar 05 17:39	$0$ ° $\mathbf{\Upsilon}$	
asc. node	13182 May 08 15:13	15° <b>Ⅲ</b> 31'52		evening rise	13183 Mar 08 10:55	4° <b>Ƴ</b> 38'12	
retrograde	13182 May 09 17:14	15° <b>Ⅱ</b> 37'17			13183 Mar 24 16:51	$8^{\circ}$	
evening set	13182 May 14 14:11	13° <b>Ⅱ</b> 34'49		evening max el	13183 Apr 12 07:40	23° <b>8</b> 35'01	24°01'37
inferior conj	13182 May 19 21:45	7° <b>Ⅱ</b> 11'39	2°51'17		13183 Apr 22 02:05	$\Pi$ $^{\circ}0$	
minimum elong	13182 May 19 20:04	7° <b>Ⅱ</b> 17'30	2°50'06	retrograde	13183 Apr 23 11:08	0° <b>Ⅱ</b> 07'54	
min. Earth dist.	13182 May 19 15:27	7° <b>Ⅲ</b> 33'35	0.68894 AU		13183 Apr 24 19:08	30° <b>₹</b> 8	
morning rise	13182 May 25 01:50	1° <b>Ⅱ</b> 01'40		asc. node	13183 Apr 25 12:32	29° <b>8</b> 48'47	
	13182 May 26 12:55	30° <b>₹</b> 8		evening set	13183 Apr 28 19:39	27° <b>8</b> 52'24	
direct	13182 May 29 15:12	29° <b>8</b> 08'28		min. Earth dist.	13183 May 03 11:51	22° <b>8</b> 27'08	0.68612 AU
	13182 Jun 01 23:10	$\Pi^{\circ}0$		inferior conj	13183 May 04 06:37	21° <b>8</b> 23'19	2°25'01
morning max el	13182 Jun 07 13:08	4° <b>Ⅱ</b> 18'54	21°32'58	minimum elong	13183 May 04 04:31		2°23'46
desc. node	13182 Jun 10 19:07	7° <b>Ⅱ</b> 50'59		morning rise	13183 May 09 13:26	15° <b>8</b> 20'53	
	13182 Jun 27 01:23	0°€		direct	13183 May 13 14:14	13° <b>8</b> 48'31	
morning set	13182 Jul 09 09:06	18°951'20		morning max el	13183 May 21 09:45	18° <b>8</b> 12'56	20°16'29
max. Earth dist.	13182 Jul 15 19:27	29°©13'57	1.42237 AU	desc. node	13183 May 28 16:00	26° <b>8</b> 51'21	
	13182 Jul 16 06:37	$0^{\circ}\Omega$			13183 May 30 23:26	0°II	
				morning set	13183 Jun 18 14:43	27° <b>Ⅲ</b> 38'40	
superior conj	13182 Jul 23 07:38	11° <b>Ω</b> 54'04	-1°36'26	3	13183 Jun 20 03:16	0°9	
minimum elong	13182 Jul 23 14:31	12° <b>£</b> 23′52		max. Earth dist.	13183 Jun 28 04:38	12° <b>©</b> 40'37	1.44059 AU
mmmum viong	13182 Aug 02 11:17	0° m	1 3027	man. Darun dige.	13103 (411 20 0 1.50	12 0 1007	1009110
evening rise	13182 Aug 03 10:28	1° mp 45'35		superior conj	13183 Jul 04 04:33	22°523'42	-2°02'10
asc. node	13182 Aug 04 14:43	3° <b>m</b> 54'10		minimum elong	13183 Jul 04 10:50	22°549'33	
evening max el	13182 Aug 19 14:03	27° Mp 16'47	18°07'44	mannam erong	13183 Jul 08 18:20	0°€	2 02 .5
evening max er	13182 Aug 23 05:06	0° <b>ರ</b>	10 07 11	evening rise	13183 Jul 16 23:49	14° <b>Ω</b> 04'26	
retrograde	13182 Aug 26 12:36	∘ <b>–</b> 0° <b>ჲ</b> 49'17		asc. node	13183 Jul 22 11:25	23° <b>Ω</b> 31'49	
evening set	13182 Aug 28 19:30	0° <b>£</b> 26'35		use. Houe	13183 Jul 26 08:59	0° m)	
evening sec	13182 Aug 29 22:13	0 <u>—2</u> 033		evening max el	13183 Aug 03 03:50	10° <b>m</b> 30'17	18°03'42
inferior conj	13182 Sep 04 21:03	25° m/35'43	0°33'07	retrograde	13183 Aug 09 14:38	13° <b>m</b> 51'09	10 03 12
minimum elong	13182 Sep 04 22:06	25° m/33'20	0°32'32	evening set	13183 Aug 12 05:46	13° <b>m</b> ) 16'44	
desc. node	13182 Sep 06 16:30	23° <b>m</b> 56'47	0 3232	inferior conj	13183 Aug 18 15:35	8° <b>m</b> 07'01	1°41'43
min. Earth dist.	13182 Sep 08 03:24	22° m/39'31	0.59871 AU	minimum elong	13183 Aug 18 18:00	8° Mp 00'46	1°40'29
morning rise	13182 Sep 10 03:24 13182 Sep 11 21:26	19° <b>m</b> 51'07	0.37071 110	min. Earth dist.	13183 Aug 21 13:45	5° Mp 06'40	0.62157 AU
direct	13182 Sep 18 09:28	17° <b>m</b> 50'46		desc. node	13183 Aug 24 13:59	2° m/26'08	0.02137710
morning max el	13182 Oct 02 17:11	25° Mp 42'01	27°47'01	morning rise	13183 Aug 25 03:51	2° Mp 00'29	
morning max cr	13182 Oct 02 17:11 13182 Oct 06 17:19	ე° <u>ი</u>	2/ 4/01	morning risc	13183 Aug 29 03:54	2 11,00 2) 30°RΩ	
	13182 Oct 00 17:19 13182 Oct 26 14:48	0° <b>M</b>		direct	13183 Aug 31 20:12	29° <b>Ω</b> 37'25	
asc. node	13182 Oct 20 14:48 13182 Oct 31 16:37	9° <b>M</b> .44'54		direct	13183 Aug 31 20.12 13183 Sep 03 14:51	0°m)	
morning set	13182 Nov 03 21:45	16°M20'49		morning max el	13183 Sep 03 14.31 13183 Sep 14 23:16	7° <b>m</b> y 38'17	27°57'23
max. Earth dist.	13182 Nov 03 21.43 13182 Nov 10 02:33	29°M48'46	1.31270 AU	morning max ci	13183 Sep 14 23.16 13183 Oct 02 02:23	0∘ <b>ʊ</b> / 11/381/	21 3123
max. Darui uist.	13182 Nov 10 02:33 13182 Nov 10 04:34	29°111.48 46 0° <b>√</b> 1	1.512/UAU	morning set	13183 Oct 02 02:23 13183 Oct 18 21:32	0° <b>11</b> 2	
	13102 NOV 10 04.34	· ^		asc. node	13183 Oct 18 21.32 13183 Oct 18 13:16	29° <b>£</b> 36'45	
superior conj	13182 Nov 11 00:01	1° <b>∡</b> 748'14	1°24'29	use. Houe	13183 Oct 18 13:16 13183 Oct 18 17:50	29 <b>=</b> 30 43	
minimum elong	13182 Nov 11 00.01 13182 Nov 10 22:05	1°×37'29	1°25'07	max. Earth dist.	13183 Oct 18 17.30 13183 Oct 24 07:21	11°M44'55	1.31773 AU
evening rise	13182 Nov 10 22:05 13182 Nov 17 16:51	1° <b>×</b> '37'29 16° <b>×</b> '36'09	1 450/	max. Earth tist.	13103 OCL 24 U/.21	11 1164433	1.51//3 AU
evening 11se	13182 Nov 17 16:31 13182 Nov 24 05:49	0°중		superior conj	13183 Oct 26 09:27	16° <b>M</b> .18'48	1°09'05
desc. node	13182 Nov 24 03:49 13182 Dec 03 13:17	0°る 16° <b>る</b> 07'15		minimum elong	13183 Oct 26 09:27 13183 Oct 26 07:11	16°1161848	1°09'03 1°09'24
uese. Hout		0°≈		mmmum ciong	13183 Oct 26 07:11 13183 Nov 01 14:49	0° <b>√</b>	1 07 24
avaning may al	13182 Dec 14 08:44		25057102	avaning rise		0°×' 1°×708'56	
evening max el	13182 Dec 15 18:41	1° <b>≈</b> 23'37	23 31 03	evening rise	13183 Nov 02 03:34	1 X.08.20	

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	13183 Nov 17 16:24	ರ°0			13184 Oct 23 16:02	0° <b>∡</b> 7	
desc. node	13183 Nov 20 10:28	。3° <b>ろ</b> 53'54		desc. node	13184 Nov 06 07:45	20° <b>∡</b> 25'37	
			24926120				22044120
evening max el	13183 Nov 27 07:42	11° <b>ろ</b> 50'27	24°26'29	evening max el	13184 Nov 07 17:57	21° <b>₹</b> 52'53	22°44'30
retrograde	13183 Dec 11 00:39	18° <b>る</b> 40'45		retrograde	13184 Nov 20 19:16	28° <b>∡</b> ′21′37	
evening set	13183 Dec 16 05:39	17° <b>る</b> 41'02		evening set	13184 Nov 24 15:36	27° <b>х</b> 49'22	
min. Earth dist.	13183 Dec 21 19:19	14° <b>る</b> 50'30	0.56048 AU	min. Earth dist.	13184 Dec 02 02:22	24° <b>∡</b> ¹26'31	0.54866 AU
inferior conj	13183 Dec 24 03:10	13° <b>る</b> 23'43	-5°34'38	inferior conj	13184 Dec 03 03:44	23° <b>∡</b> 50'30	-5°55'26
minimum elong	13183 Dec 24 09:41	13° <b>ට</b> 13'34	5°32'40	minimum elong	13184 Dec 03 02:30	23° <b>₹</b> '52'15	5°54'26
morning rise	13184 Jan 01 15:44	9° <b>ට</b> 21'58	3 32 40	morning rise	13184 Dec 11 14:47	20°×702'15	3 3420
•				=			
direct	13184 Jan 04 02:04	9° <b>ට</b> 06'13		direct	13184 Dec 14 18:06	19° <b>∡</b> ³39'34 −	
morning max el	13184 Jan 14 01:41	13° <b>る</b> 54'22	19°42'00	morning max el	13184 Dec 26 06:51	25° <b>х</b> 09'43	21°04'45
asc. node	13184 Jan 14 13:10	14° <b>る</b> 22'40			13184 Dec 30 14:35	0°₹	
	13184 Jan 25 06:46	0°≈		asc. node	13184 Dec 31 10:21	1° <b>る</b> 04'56	
morning set	13184 Jan 31 13:31	12°≈12'26		morning set	13185 Jan 14 22:08	26° <b>る</b> 54'47	
Č				C	13185 Jan 16 09:38	0° <b>≈</b> ≈	
superior conj	13184 Feb 08 11:22	28° <b>≈</b> 08'20	1°01'15				
	13184 Feb 08 14:10		1°01'28	aumorior comi	12105 Ion 22 06:05	1290012151	1920/14
minimum elong		28°≈22'07	1 01 28	superior conj	13185 Jan 22 06:05	12°≈13'51	1°20'14
	13184 Feb 09 10:05	0° <b>∀</b>		minimum elong	13185 Jan 22 08:30	12° <b>≈</b> 26′19	1°20'46
max. Earth dist.	13184 Feb 14 16:28	10° <b>∺</b> 02'12	1.37547 AU	max. Earth dist.	13185 Jan 27 02:06	21° <b>≈</b> 58'46	1.35459 AU
desc. node	13184 Feb 16 10:38	13° <b>∺</b> 15′28		evening rise	13185 Jan 31 02:13	29° <b>≈</b> 39'35	
evening rise	13184 Feb 18 09:47	16° <b>)</b> 47′04			13185 Jan 31 06:35	0° <b>)</b> €	
•	13184 Feb 26 04:44	$0^{\circ}\Upsilon$		desc. node	13185 Feb 02 07:16	3° <b>¥</b> 43'59	
	13184 Mar 18 03:45	0°8		door. node	13185 Feb 18 09:12	0°Υ	
avanina may al	13184 Mar 24 21:14	7° <b>B</b> 27'36	25010126	avanina may al		21° <b>Υ</b> 16'20	26°24'17
evening max el		. •	23 18 30	evening max el	13185 Mar 07 11:00		20 24 17
retrograde	13184 Apr 06 00:48	14° <b>8</b> 29'38		retrograde	13185 Mar 20 09:14	28° <b>Y</b> 35'53	
asc. node	13184 Apr 11 09:56	12° <b>8</b> 26'30		evening set	13185 Mar 26 16:15	26° <b>Y</b> ′04'27	
evening set	13184 Apr 11 20:55	12° <b>8</b> 04'09		asc. node	13185 Mar 29 07:22	23° <b>Y</b> 32'14	
min. Earth dist.	13184 Apr 16 05:45	7° <b>8</b> 14'37	0.67884 AU	min. Earth dist.	13185 Mar 30 19:00	21° <b>Y</b> '49'50	0.66732 AU
inferior conj	13184 Apr 17 12:53	5° <b>8</b> 33'35	1°48'33	inferior conj	13185 Apr 01 14:29	19° <b>Ƴ</b> 37'49	1°01'29
minimum elong	13184 Apr 17 10:48	5° <b>8</b> 40'21	1°47'23	minimum elong	13185 Apr 01 13:01	19° <b>Ƴ</b> 42'18	1°00'43
minimum crong	13184 Apr 22 13:59	30°RY	1 17 23	morning rise	13185 Apr 07 10:41	13°Y55'00	1 00 15
	•				-		
morning rise	13184 Apr 23 01:04	29° <b>Y</b> 40′03		direct	13185 Apr 10 13:02	13° <b>Υ</b> 01'01	
direct	13184 Apr 26 14:07	28° <b>Y</b> 27'52		morning max el	13185 Apr 17 01:02	16° <b>Y</b> ′28′36	18°28'01
	13184 Apr 30 20:22	$_{0\circ}$ 8			13185 Apr 27 06:54	$9^{\circ}$ 8	
morning max el	13184 May 03 13:56	2° <b>8</b> 17'23	19°14'10	desc. node	13185 May 01 09:31	6° <b>8</b> 20'52	
desc. node	13184 May 14 12:48	16° <b>8</b> 24'14		morning set	13185 May 07 14:14	16° <b>ප</b> 06'32	
greatest brilliancy	13184 May 16 10:33	19° <b>8</b> 13'05	-0.7m		13185 May 16 10:05	$\Pi^{\circ}0$	
8	13184 May 23 13:26	0°II					
morning sot	13184 May 27 17:18	6° <b>Ⅱ</b> 23'46		superior conj	13185 May 23 11:14	110П01/16	2005102
morning set	•		1 45202 ATT				
max. Earth dist.	13184 Jun 09 20:05		1.45292 AU	minimum elong	13185 May 23 04:32	10° <b>Ⅲ</b> 35'05	
	13184 Jun 11 21:00	0ಂಣ		max. Earth dist.	13185 May 23 15:34	11°Щ18'12	1.45815 AU
					13185 Jun 04 14:10	0	
superior conj	13184 Jun 13 02:44	1° <b>©</b> 57'31	-2°13'28	evening rise	13185 Jun 08 06:10	5° <b>5</b> 46'34	
minimum elong	13184 Jun 13 03:29	2° <b>©</b> 00'29	2°14'28	greatest brilliancy	13185 Jun 17 07:00	19° <b>©</b> 58'55	-0.8m
evening rise	13184 Jun 27 15:14	25° <b>©</b> 25'49		· ·	13185 Jun 23 23:31	$0^{\circ}\Omega$	
0.0000	13184 Jun 30 09:47	0°N		asc. node	13185 Jun 25 05:08	1° <b>Ω</b> 42'37	
							10040151
asc. node	13184 Jul 08 08:14	12° <b>Ω</b> 50′24	10010101	evening max el	13185 Jun 30 05:28	7° <b>Ω</b> 43'33	18°49'51
evening max el	13184 Jul 16 17:58	24° <b>Ω</b> 01'55	18°18'01	retrograde	13185 Jul 06 21:28	11° <b>Ω</b> 22'40	
retrograde	13184 Jul 23 02:50	27° <b>Ω</b> 25′09		evening set	13185 Jul 10 05:53	10° <b>Ω</b> 18′03	
evening set	13184 Jul 26 02:30	26° <b>Ω</b> 36′24		inferior conj	13185 Jul 15 19:17	4° <b>Ω</b> 36′02	2°57'27
inferior conj	13184 Aug 01 00:15	21° <b>Ω</b> 09'45	2°28'43	minimum elong	13185 Jul 15 20:55	4° <b>Ω</b> 30′52	2°56'19
minimum elong	13184 Aug 01 02:39	21° <b>Ω</b> 02'50	2°27'27	min. Earth dist.	13185 Jul 17 13:57	2° <b>Ω</b> 22′22	0.66085 AU
min. Earth dist.	13184 Aug 03 09:30	18° <b>Ω</b> 25'21			13185 Jul 19 14:56	30° <b>ℝ</b> ∽	
morning rise	13184 Aug 07 01:21	14° <b>Ω</b> 51'01	0.01201110	morning rise	13185 Jul 21 11:11	28°9512'30	
-	-			-			
desc. node	13184 Aug 10 11:27	12° <b>Ω</b> 49'44		direct	13185 Jul 27 18:48	25° <b>©</b> 31'56	
direct	13184 Aug 13 15:47	12° <b>Ω</b> 14'15		desc. node	13185 Jul 28 08:52	25° <b>©</b> 33'11	
morning max el	13184 Aug 27 09:06	20° <b>Ω</b> 13'43	27°31'20		13185 Aug 06 07:14	$0^{\circ}\Omega$	
	13184 Sep 04 18:29	0° <b>m</b> )		morning max el	13185 Aug 09 20:14	3° <b>Ω</b> 16′59	26°35'25
	13184 Sep 24 03:58	0∘ <u>⊽</u>		-	13185 Aug 30 02:00	0° m)	
morning set	13184 Oct 01 13:00	13° <b>£</b> 51'30		morning set	13185 Sep 14 17:00	26° m/50'02	
asc. node	13184 Oct 04 09:54	13 <b>=</b> 31 30 19° <b>£</b> 37'48		morning sot	13185 Sep 16 08:49	0° <b>⊽</b>	
			1 22012 477	75 d 41 :			1 2 42 7 1
max. Earth dist.	13184 Oct 06 05:13	23° <b>Ω</b> 21'41	1.32813 AU	max. Earth dist.	13185 Sep 18 17:26	4° <b>△</b> 36'40	1.34371 AU
	13184 Oct 09 08:28	0°M₊		asc. node	13185 Sep 21 06:29	9° <b>≏</b> 43'07	
superior conj	13184 Oct 09 14:57	0°M34'44	0°48'08	superior conj	13185 Sep 23 14:02	14° <b>≏</b> 28'34	0°21'52
minimum elong	13184 Oct 09 12:53	0°M23'41	0°48'10	minimum elong	13185 Sep 23 12:53	14° <b>≏</b> 22'34	0°21'46
evening rise	13184 Oct 16 14:43	15°M41'00			13185 Sep 30 23:09	0°M	
- , 1100	1010.000 10 17.70	15 116 11 00			10100 00p 00 20.07	↓ IIV	

	13187 Aug 15 09:26	0° <b>m</b>		superior conj minimum elong	13188 Aug 02 13:07 13188 Aug 02 18:53	22°Ω43'57 23°Ω09'44	
superior conj	13187 Aug 21 05:02	10° <b>m</b> 42'18	-0°43'12	minimum clong	13188 Aug 06 13:23	0° m)	1 17 43
minimum elong	13187 Aug 21 08:06	10° mp 56'45	0°43'05	asc. node	13188 Aug 11 20:19	9° Mp 49'56	
asc. node	13187 Aug 25 23:42	19° m 52'58		evening rise	13188 Aug 12 19:27	11° mp 38'16	
evening rise	13187 Aug 30 05:42	28° m) 12'30		<i>8</i> 21	13188 Aug 23 04:30	0∘ <u>⊽</u>	
C	13187 Aug 31 03:41	0∘ <b>⊽</b>		evening max el	13188 Aug 28 18:32	7° <b>≙</b> 12'00	18°18'48
evening max el	13187 Sep 15 12:28	24° <b>≏</b> 45'13	18°53'58	retrograde	13188 Sep 05 04:23	10° <b>≏</b> 57'11	
retrograde	13187 Sep 24 03:18	29° <b>ჲ</b> 04'32		evening set	13188 Sep 07 07:07	10° <b>ჲ</b> 39'34	
evening set	13187 Sep 26 00:20	28° <b>≏</b> 53'02		desc. node	13188 Sep 13 21:30	6° <b>≏</b> 44'39	
desc. node	13187 Sep 28 00:00	28° <b>≏</b> 17'32		inferior conj	13188 Sep 14 19:01	6° <b>ჲ</b> 00′28	-0°16'48
inferior conj	13187 Oct 04 06:49	24° <b>≏</b> 34'59		minimum elong	13188 Sep 14 18:24	6° <b>≏</b> 01'45	
minimum elong	13187 Oct 04 01:46	24° <b>Ω</b> 43'55	1°56'56	min. Earth dist.	13188 Sep 18 02:27	3° <b>≙</b> 16'47	0.58583 AU
min. Earth dist.	13187 Oct 07 06:25	22° <b>Ω</b> 28'35	0.56564 AU	morning rise	13188 Sep 22 02:13	0° <b>Ω</b> 33'44	
morning rise	13187 Oct 12 00:01	19° <b>Ω</b> 44'14		ti v	13188 Sep 23 05:05	30°₹ <b>™</b>	
direct morning max el	13187 Oct 17 16:45 13187 Oct 31 21:33	18° <b>£</b> 26'47 25° <b>£</b> 46'21	26°13'12	direct	13188 Sep 28 09:08 13188 Oct 03 17:00	28° Mp 48'46 0° <u>₽</u>	
morning max er	13187 Nov 04 21:14	0°M	20 13 12	morning max el	13188 Oct 03 17:00 13188 Oct 12 16:48	0 <b>==</b> 6° <b>£</b> 29'44	27023121
asc. node	13187 Nov 04 21:14 13187 Nov 22 01:21	26°M18'04		morning max er	13188 Oct 12 10.48	0°M	27 23 21
use. Houe	13187 Nov 23 23:22	20° II <b>0</b> 10 0 4		asc. node	13188 Nov 07 22:08	15°M44'59	
morning set	13187 Nov 29 08:06	11° <b>×</b> <sup>7</sup> 03'26		morning set	13188 Nov 12 16:10	25°M29'30	
. 8					13188 Nov 14 18:29	0° <b>∡</b> ¹	
superior conj	13187 Dec 06 03:05	26° <b>₰</b> 01'00	1°37'15				
minimum elong	13187 Dec 06 02:27	25° <b>₹</b> '57'24	1°38'14	superior conj	13188 Nov 19 14:43	10° <b>∡</b> ¹43'21	1°30'48
max. Earth dist.	13187 Dec 07 00:16	27° <b>х</b> 58′42	1.31542 AU	minimum elong	13188 Nov 19 13:10	10° <b>х</b> 34′43	1°31'36
	13187 Dec 07 22:10	0° <b>ප</b>		max. Earth dist.	13188 Nov 19 08:43	10° <b>₹</b> 09'52	1.31224 AU
evening rise	13187 Dec 13 02:26	11° <b>る</b> 11'42		evening rise	13188 Nov 26 08:43	25° <b>₹</b> 35'54	
	13187 Dec 22 18:38	0° <b>≈</b>			13188 Nov 28 10:47	0° <b>ろ</b>	
desc. node	13187 Dec 24 21:38	3°≈42'07		desc. node	13188 Dec 10 18:36	22° <b>る</b> 47'35	
	13188 Jan 13 05:11	0° <b>)</b> (2510.4	25020125		13188 Dec 15 12:55	0° <b>≈</b>	26025145
evening max el	13188 Jan 13 20:35	0° <b>)</b> €37'04	27°22'37	evening max el	13188 Dec 25 22:21	12°≈22'40	26°37'47
retrograde evening set	13188 Jan 27 19:16 13188 Feb 03 16:34	7° <b>¥</b> 55'05 5° <b>¥</b> 45'07		retrograde evening set	13189 Jan 08 21:18 13189 Jan 15 11:11	19°≈30'25 17°≈43'35	
min. Earth dist.	13188 Feb 03 10:34 13188 Feb 07 11:05	2° <b>¥</b> 55'37	0.61217 AU	min. Earth dist.	13189 Jan 19 12:15	17 ≈43 33 15°≈06'26	0.59048 AU
inferior conj	13188 Feb 10 13:23	2 <b>X</b> 33 3 7 0° <b>X</b> 11'09		inferior conj	13189 Jan 22 16:12	13 ≈00 20 12°≈40'14	
minimum elong	13188 Feb 10 18:29	29°≈59'50		minimum elong	13189 Jan 23 00:07	12°≈24'55	3°43'25
	13188 Feb 10 18:24	30°R≈		morning rise	13189 Jan 30 16:02	8° <b>≈</b> 04'49	- 10 - 10
morning rise	13188 Feb 17 23:24	25°≈14'47		direct	13189 Feb 01 17:09	7° <b>≈</b> 49'53	
asc. node	13188 Feb 17 23:41	25° <b>≈</b> 14'34		asc. node	13189 Feb 03 21:03	8° <b>≈</b> 07'19	
direct	13188 Feb 20 02:35	24° <b>≈</b> 55'37		morning max el	13189 Feb 09 14:25	11° <b>≈</b> 43'57	18°18'03
morning max el	13188 Feb 27 03:06	28° <b>≈</b> 27'45	17°52'36		13189 Feb 21 17:11	0° <b>)</b> €	
	13188 Feb 28 13:44	0° <b>∀</b>		morning set	13189 Feb 25 08:04	6° <b>)</b> 47'44	
morning set	13188 Mar 13 18:10	22° <b>¥</b> 51′05					
	13188 Mar 17 17:11	0°Υ 5° <b>00</b> °°°°°°°°°°°°°°°°°°°°°°°°°°°°°°°°°°		superior conj	13189 Mar 06 17:11	24° <b>)</b> (21'23	0°16'47
desc. node	13188 Mar 21 23:13	7° <b>Ƴ</b> 32'54		minimum elong	13189 Mar 06 18:25	24° <b>)</b> (27'00	0°16'46
superior conj	13188 Mar 24 12:08	11° <b>Ƴ</b> 57'37	0010152	desc. node	13189 Mar 08 19:44 13189 Mar 09 20:38	28° <b>¥</b> 09'17 0° <b>Ƴ</b>	
minimum elong	13188 Mar 24 10:20	11 <b>γ</b> 37 37	0°19'41	max. Earth dist.	13189 Mar 14 06:57	7° <b>Υ</b> 41'33	1.41069 AU
max. Earth dist.	13188 Mar 31 20:36	24° <b>Υ</b> 18'22	1.43078 AU	evening rise	13189 Mar 18 21:31	15° <b>Υ</b> 22'49	1.4100) AC
	13188 Apr 04 09:06	0°8			13189 Mar 28 04:16	0°8	
evening rise	13188 Apr 07 07:28	4° <b>8</b> 38'40			13189 Apr 19 05:44	0°II	
C	13188 Apr 24 06:28	$\Pi^{\circ}0$		evening max el	13189 Apr 22 00:33	2° <b>I</b> 157'26	23°15'11
evening max el	13188 May 09 08:51	19° <b>Ⅱ</b> 06'47	21°55'03	retrograde	13189 May 02 12:09	9° <b>Ⅱ</b> 07'51	
asc. node	13188 May 15 20:27	23° <b>Ⅱ</b> 57'56		asc. node	13189 May 02 17:43	9° <b>Ⅱ</b> 07'36	
retrograde	13188 May 18 16:28	24° <b>Ⅱ</b> 35′01		evening set	13189 May 07 14:03	6° <b>Ⅱ</b> 59'35	
evening set	13188 May 23 06:54	22° <b>∏</b> 41'21		inferior conj	13189 May 12 22:52	0° <b>Ⅲ</b> 33'44	2°41'22
inferior conj	13188 May 28 13:22	16° <b>Ⅱ</b> 23'15	3°01'49	minimum elong	13189 May 12 20:58	0° <b>Ⅱ</b> 40'19	2°40'08
minimum elong	13188 May 28 12:05	16° <b>∏</b> 27'44	3°00'41	min. Earth dist.	13189 May 12 11:16	1° <b>Ⅱ</b> 13'47	0.68837 AU
min. Earth dist.	13188 May 28 14:31	16°∏19'14	0.68855 AU	morning ris-	13189 May 13 08:40	30°R <b>႘</b>	
morning rise direct	13188 Jun 02 17:04 13188 Jun 07 13:57	10° <b>Ⅲ</b> 09'15 8° <b>Ⅲ</b> 04'13		morning rise direct	13189 May 18 03:49	24° <b>8</b> 26'55 22° <b>8</b> 42'23	
morning max el	13188 Jun 07 13:57 13188 Jun 17 04:56	8°Щ04°13 13°Щ44'08	22°21'34	morning max el	13189 May 22 11:52 13189 May 30 21:37	27° <b>8</b> 31'33	20°58'52
desc. node	13188 Jun 18 00:26	13 <b>П</b> 44 08 14° <b>П</b> 34'10	22 21 J <del>T</del>	morning max ci	13189 Jun 02 05:20	27 <b>〇</b> 31 33	20 30 33
acce. node	13188 Jun 30 06:58	0°95		desc. node	13189 Jun 04 21:25	3° <b>Ⅱ</b> 10'37	
	13188 Jul 20 03:54	$0 {\circ} \Omega$			13189 Jun 23 19:26	0°95	
morning set	13188 Jul 20 15:08	0° <b>Ω</b> 45'25		morning set	13189 Jun 30 07:16	9° <b>©</b> 59'12	
max. Earth dist.	13188 Jul 25 17:11	9° <b>Ω</b> 09'20	1.41002 AU	max. Earth dist.	13189 Jul 07 23:15	22° <b>©</b> 11'09	1.43079 AU

morning set	13191 May 19 17:13	27° <b>8</b> 42'46		superior conj	13192 May 14 09:02	2° <b>Ⅱ</b> 15'41	
	13191 May 21 04:32	$\Pi$ $^{\circ}0$		minimum elong	13192 May 14 00:27	1° <b>Ⅱ</b> 42′05	1°55'43
max. Earth dist.	13191 Jun 03 04:59	20° <b>Ⅱ</b> 16'55	1.45603 AU	max. Earth dist.	13192 May 16 00:35	4° <b>Ⅱ</b> 50′20	1.45806 AU
				evening rise	13192 May 30 10:08	27° <b>Ⅱ</b> 15'31	
superior conj	13191 Jun 05 01:17	23° <b>Ⅱ</b> 10′25			13192 Jun 01 04:24	$0_{\circ}$ වෙ	
minimum elong	13191 Jun 04 22:40	23° <b>Ⅱ</b> 00'11	2°13'21	greatest brilliancy	13192 Jun 10 16:16	14° <b>©</b> 39'12	-0.7m
	13191 Jun 09 09:20	$0$ $\circ$ $\odot$		asc. node	13192 Jun 19 07:31	26° <b>©</b> 54'30	
evening rise	13191 Jun 20 04:57	17° <b>©</b> 17'38			13192 Jun 21 22:39	$0 {\circ} \Omega$	
	13191 Jun 28 02:15	$0 {\circ} \Omega$		evening max el	13192 Jun 22 19:58	0° <b>Ω</b> 55'19	19°08'31
asc. node	13191 Jul 03 10:35	8° <b>Ω</b> 15′28		retrograde	13192 Jun 29 17:32	4° <b>Ω</b> 44'52	
evening max el	13191 Jul 10 10:12	17° <b>Ω</b> 10′18	18°29'23	evening set	13192 Jul 03 05:46	3° <b>Ω</b> 33'23	
retrograde	13191 Jul 16 21:14	20° <b>Ω</b> 38'58			13192 Jul 06 21:55	30° <b>₹</b> 🥯	
evening set	13191 Jul 20 00:27	19° <b>Ω</b> 43'49		inferior conj	13192 Jul 08 16:41	27° <b>5</b> 45'39	3°04'53
inferior conj	13191 Jul 25 18:15	14° <b>Ω</b> 10′30	2°42'55	minimum elong	13192 Jul 08 17:54	27°5641'42	3°03'47
minimum elong	13191 Jul 25 20:23	14° <b>Ω</b> 04'06	2°41'42	min. Earth dist.	13192 Jul 10 05:14	25°5947'50	0.66732 AU
min. Earth dist.	13191 Jul 27 21:27	11° <b>Ω</b> 37′24	0.65097 AU	morning rise	13192 Jul 14 05:25	21° <b>5</b> 21'44	
morning rise	13191 Jul 31 15:08	7° <b>Ω</b> 48'41		direct	13192 Jul 20 09:12	18° <b>5</b> 42'04	
desc. node	13191 Aug 05 13:59	5° <b>Ω</b> 17'28		desc. node	13192 Jul 22 11:21	18° <b>©</b> 58'05	
direct	13191 Aug 07 03:07	5° <b>Ω</b> 08'52		morning max el	13192 Aug 02 01:40	26°©16'41	26°04'38
morning max el	13191 Aug 20 14:44	13° <b>Ω</b> 04'50	27°10'34		13192 Aug 05 12:08	$0^{\circ}\Omega$	
	13191 Sep 03 05:48	O° <b>m</b> y			13192 Aug 26 19:27	O° My	
	13191 Sep 21 13:18	0∘ <b>ত</b>		morning set	13192 Sep 07 01:18	19° <b>m</b> 29'39	
morning set	13191 Sep 25 03:14	6° <b>£</b> 47'06		max. Earth dist.	13192 Sep 10 20:03	26° M 38'43	1.35177 AU
max. Earth dist.	13191 Sep 29 12:24	15° <b>≏</b> 30'49	1.33411 AU		13192 Sep 12 13:20	0∘ <b>ত</b>	
asc. node	13191 Sep 29 12:10	15° <b>≏</b> 29'38		asc. node	13192 Sep 15 08:45	5° <b>£</b> 36′27	
superior conj	13191 Oct 03 12:36	23° <b>£</b> 51'54	0°37'35	superior conj	13192 Sep 16 08:14	7° <b>ჲ</b> 35'38	0°09'16
minimum elong	13191 Oct 03 10:50	23° <b>≏</b> 42'32	0°37'34	minimum elong	13192 Sep 16 07:43	7° <b>≏</b> 32'57	0°09'11
	13191 Oct 06 09:34	0° <b>M</b> ,		behind sun begin	13192 Sep 16 02:42	7° <b>≏</b> 07'29	
evening rise	13191 Oct 10 16:14	9°M09'39		behind sun end	13192 Sep 16 12:43	7° <b>≏</b> 58'28	
	13191 Oct 21 10:57	0° <b>∡</b> ¹		evening rise	13192 Sep 24 00:33	23° <b>≏</b> 30'54	
evening max el	13191 Oct 31 14:03	13° <b>≮</b> ¹29'32	22°02'07		13192 Sep 27 04:47	0°M,	
desc. node	13191 Nov 01 10:15	14° <b>∡</b> 17′28		evening max el	13192 Oct 12 12:11	23°M59'53	20°32'54
retrograde	13191 Nov 13 04:59	19° <b>∡</b> ¹45'10		desc. node	13192 Oct 18 07:38	28°M16'54	
evening set	13191 Nov 16 10:49	19° <b>⊀</b> 21'46		retrograde	13192 Oct 23 15:47	29°M32'17	
inferior conj	13191 Nov 25 04:40	15° <b>∡</b> ¹26'36	-5°46'53	evening set	13192 Oct 25 21:03	29°M20'06	
minimum elong	13191 Nov 24 23:38	15° <b>渘</b> ³33'40	5°45'25	inferior conj	13192 Nov 03 20:51	$25^{\circ}$ M $25'05$	-4°44'41
min. Earth dist.	13191 Nov 24 19:24	15° <b>∡</b> 39'35	0.54599 AU	minimum elong	13192 Nov 03 10:49	25°M39'36	4°41'18
morning rise	13191 Dec 03 13:32	11° <b>∡</b> ³39′22		min. Earth dist.	13192 Nov 05 02:22	24°M42'21	0.54669 AU
direct	13191 Dec 07 01:30	11° <b>⊀</b> 12'16		morning rise	13192 Nov 12 00:16	21°M26'15	
morning max el	13191 Dec 19 05:38	17° <b>∡</b> 101′25	21°46'17	direct	13192 Nov 16 10:22	20°M44'14	
asc. node	13191 Dec 26 12:49	25° <b>渘</b> 50′00		morning max el	13192 Nov 29 18:04	27°M13'23	23°32'50
	13191 Dec 29 05:28	0°ರ			13192 Dec 02 10:57	0° <b>∡</b> ¹	
morning set	13192 Jan 08 23:49	20° <b>පි</b> 31'34		asc. node	13192 Dec 12 09:52	13° <b>渘</b> ′54′10	
	13192 Jan 13 11:04	0° <b>≈</b>			13192 Dec 20 23:02	0°ප	
				morning set	13192 Dec 23 11:32	5° <b>る</b> 17'53	
superior conj	13192 Jan 16 03:32	5° <b>≈</b> 40′25	1°26'09				
minimum elong	13192 Jan 16 05:37	5°≈51'20	1°26'50	superior conj	13192 Dec 30 08:36	20°る12'23	1°35'23
max. Earth dist.	13192 Jan 20 08:38	14° <b>≈</b> 20′30	1.34654 AU	minimum elong	13192 Dec 30 09:40	20° <b>ප</b> 18'10	1°36'19
evening rise	13192 Jan 24 14:18	22° <b>≈</b> 39′08		max. Earth dist.	13193 Jan 02 04:25	26° <b>ප</b> 15'31	1.33082 AU
desc. node	13192 Jan 28 09:30	29° <b>≈</b> 43'12			13193 Jan 03 23:14	0° <b>≈</b>	
	13192 Jan 28 13:13	0° <b>∀</b>		evening rise	13193 Jan 07 01:37	6° <b>≈</b> 18'40	
	13192 Feb 16 12:33	0° <b>Υ</b>		desc. node	13193 Jan 14 06:13	19° <b>≈</b> 55'10	
evening max el	13192 Feb 28 17:23	14° <b>Y</b> 25′16	26°47'05		13193 Jan 20 04:02	0° <b>∀</b>	
retrograde	13192 Mar 12 22:13	21° <b>Ƴ</b> 49'47		evening max el	13193 Feb 10 06:38	27° <b>¥</b> 52'35	27°24'02
evening set	13192 Mar 19 09:11	19° <b>Ƴ</b> 17′29			13193 Feb 12 15:03	$0^{\circ}\mathbf{\Upsilon}$	
asc. node	13192 Mar 23 09:55	15° <b>Y</b> 16′12		retrograde	13193 Feb 23 21:50	5° <b>Ƴ</b> 19'07	
min. Earth dist.	13192 Mar 23 09:38	15° <b>Y</b> 17′03	0.66112 AU	evening set	13193 Mar 02 16:29	2° <b>Y</b> 49'33	
inferior conj	13192 Mar 25 10:20	12° <b>Y</b> 54′05	0°38'15		13193 Mar 05 21:21	30° <b>₹</b>	
minimum elong	13192 Mar 25 09:20	12° <b>Y</b> 57′00	0°37'44	min. Earth dist.	13193 Mar 06 12:43	29° <b>)</b> €20'48	0.64426 AU
morning rise	13192 Mar 31 10:44	7° <b>Y</b> 16′20		inferior conj	13193 Mar 09 01:04	26° <b>)</b> 39'45	
direct	13192 Apr 03 08:46	6° <b>Y</b> 29'19		minimum elong	13193 Mar 09 01:49	26° <b>)</b> 37′45	0°24'08
morning max el	13192 Apr 09 18:21	9° <b>Y</b> 51'51	18°13'26	asc. node	13193 Mar 10 07:24	25° <b>ℋ</b> 19'52	
	13192 Apr 24 01:53	0°8		morning rise	13193 Mar 15 13:05	21° <b>光</b> 15'43	
desc. node	13192 Apr 25 11:44	2° <b>8</b> 15'11		direct	13193 Mar 18 02:22	20° <b>)</b> 42′17	
morning set	13192 Apr 29 01:42	7° <b>8</b> 59'50		morning max el	13193 Mar 24 11:18	24° <b>)</b> €00'00	17°51'23
	13192 May 12 22:24	$\Pi^{\circ}$ 0			13193 Mar 29 09:16	$\mathbf{\gamma}_{0}$	

morning set	13193 Apr 10 14:32	19° <b>Υ</b> '39'33		desc. node	13194 Mar 30 04:51	13° <b>Y</b> '03'49	
desc. node	13193 Apr 12 08:18	22° <b>Y</b> 34'25			12104 4 04 10 50	2200027146	0040151
	13193 Apr 16 19:33	0°8		superior conj	13194 Apr 04 19:50	22° <b>Y</b> 37'46	
	12102 4 24 02 10	110 4 7 1140	1000141	minimum elong	13194 Apr 04 15:38	22° <b>Y</b> 20'10	0°42'30
superior conj	13193 Apr 24 03:19	11° <b>8</b> 54'40		P. d. F.	13194 Apr 09 07:00	0°8	1 44020 411
minimum elong	13193 Apr 23 19:03	11° <b>8</b> 21'31		max. Earth dist.	13194 Apr 11 13:50	3° <b>8</b> 41'58	1.44038 AU
max. Earth dist.	13193 Apr 28 20:24	19° <b>8</b> 23'59	1.45265 AU	evening rise	13194 Apr 19 12:31	16° <b>8</b> 13'17	
	13193 May 05 15:24	0°П			13194 Apr 28 14:45	0°II	21011125
evening rise	13193 May 09 23:31	6° <b>Ⅱ</b> 40'34	0.6	evening max el	13194 May 19 23:00	28° <b>∏</b> 31'35	21°11'25
greatest brilliancy	13193 May 24 23:31	29° <b>Ⅱ</b> 10'55	-0.6m	1	13194 May 21 12:11	0.22	
	13193 May 25 13:07	0°55	20°03'23	asc. node	13194 May 24 01:41	1° <b>9</b> 59'32 3° <b>9</b> 34'42	
evening max el	13193 Jun 06 00:25	14°5643'03	20-03-23	retrograde evening set	13194 May 28 14:52	1° <b>9</b> 34'42	
asc. node	13193 Jun 06 04:33	14° <b>©</b> 53'22 19° <b>©</b> 05'06		evening set	13194 Jun 01 23:05	1 9049 49 30°R <b>Ⅱ</b>	
retrograde	13193 Jun 13 16:04			::	13194 Jun 03 20:06	30°KⅡ 25°Ⅱ37'12	2909157
evening set	13193 Jun 17 13:58	17°536'43	3°12'52	inferior conj	13194 Jun 07 05:06	25° <b>II</b> 40'00	3°07'54
inferior conj	13193 Jun 22 21:05	11° <b>©</b> 35'47 11° <b>©</b> 35'11	3°11'51	minimum elong min. Earth dist.	13194 Jun 07 04:17 13194 Jun 07 13:39	25° <b>H</b> 07'27	0.68649 AU
minimum elong	13193 Jun 22 21:16					23 <b>П</b> 0727 19° <b>П</b> 19'56	0.08049 AU
min. Earth dist.	13193 Jun 23 19:17	10°520'34	0.67926 AU	morning rise	13194 Jun 12 09:18 13194 Jun 17 13:30	19°Щ19'36 17°Щ04'30	
morning rise direct	13193 Jun 28 04:14 13193 Jul 03 20:57	5° <b>©</b> 13'58 2° <b>©</b> 43'13		direct desc. node	13194 Jun 26 05:44	17 Щ04 30 21°П36'35	
desc. node	13193 Jul 09 08:36	4°533'22			13194 Jun 27 22:32	21 <b>II</b> 36 33 23° <b>II</b> 14'36	22912140
		9° <b>©</b> 41'08	24942105	morning max el	13194 Jul	23 <b>ш</b> 1430	23 12 40
morning max el	13193 Jul 15 11:52	9 <b>3</b> 4108	24°42'05		13194 Jul 03 21:24 13194 Jul 24 21:55	0°Ω	
	13193 Jul 31 13:32	0°Mo		marning gat		12°Ω20'00	
morning set	13193 Aug 19 10:51	1°Mg 24'05		morning set max. Earth dist.	13194 Aug 01 13:03	12 <b>δ (</b> 20 00 19° <b>Ω</b> 28'49	1.39678 AU
max. Earth dist.	13193 Aug 20 06:05	-	1 27220 ATT	max. Earm dist.	13194 Aug 05 18:09	0° m)	1.390/8 AU
max. Earm dist.	13193 Aug 23 20:00	7° Mp 48'27	1.37338 AU		13194 Aug 11 16:35	V III	
superior conj	13193 Aug 30 17:10	20° Mp 46'50	-0°23'15	superior conj	13194 Aug 13 11:34	3°m/16'50	-0°58'02
minimum elong	13193 Aug 30 18:43	20° m 54'22		minimum elong	13194 Aug 13 15:49	3° m) 36'26	
asc. node	13193 Sep 02 05:19	25° m/42'12		asc. node	13194 Aug 20 01:54	15° <b>m</b> ) 43'45	
	13193 Sep 04 09:03	0∘ <mark>⊽</mark>		evening rise	13194 Aug 22 23:56	21° m/20'31	
evening rise	13193 Sep 08 04:04	7° <b>≏</b> 36'53		•	13194 Aug 27 13:27	0∘ <b>⊽</b>	
	13193 Sep 20 15:58	$0^{\circ}$ M		evening max el	13194 Sep 08 00:58	17° <b>≏</b> 19'04	18°36'23
evening max el	13193 Sep 25 00:21	5°M15'51	19°23'43	retrograde	13194 Sep 16 02:19	21° <b>≏</b> 22'36	
retrograde	13193 Oct 04 12:00	10°M00'27		evening set	13194 Sep 18 01:11	21° <b>≏</b> 09'04	
desc. node	13193 Oct 05 05:05	9° <b>™</b> 58'57		desc. node	13194 Sep 22 02:33	19° <b>≏</b> 24'55	
evening set	13193 Oct 06 08:39	9° <b>™</b> 50'18		inferior conj	13194 Sep 25 23:52	16° <b>≏</b> 41'52	-1°13'48
inferior conj	13193 Oct 15 00:14	5° <b>M</b> 42′31	-3°02'55	minimum elong	13194 Sep 25 20:54	16° <b>≏</b> 47'31	1°12'25
minimum elong	13193 Oct 14 16:24	5°M55'15	2°59'34	min. Earth dist.	13194 Sep 29 04:19	14° <b>≏</b> 17'32	0.57372 AU
min. Earth dist.	13193 Oct 17 12:24	4° <b>M</b> 04'58	0.55653 AU	morning rise	13194 Oct 03 13:09	11° <b>≏</b> 34'59	
morning rise	13193 Oct 22 21:54	1°M13'36		direct	13194 Oct 09 12:21	10° <b>≏</b> 06'16	
direct	13193 Oct 28 04:15	0° <b>™</b> 11'04		morning max el	13194 Oct 23 19:23	17° <b>≏</b> 35'48	26°47'12
morning max el	13193 Nov 11 04:09	7° <b>™</b> 13'32	25°19'23		13194 Nov 03 02:44	0° <b>M</b>	
_	13193 Nov 27 19:29	0° <b>∡</b> 7		asc. node	13194 Nov 16 03:40	21°M52'21	
asc. node	13193 Nov 29 06:49	2° <b>₹</b> 38'24			13194 Nov 20 05:03	0° <b>∡</b> ¹	
morning set	13193 Dec 07 23:13	20° <b>₹</b> 00'22		morning set	13194 Nov 22 09:08	4° <b>∡</b> ³34'17	
	13193 Dec 12 12:49	0°ප		superior conj	13194 Nov 29 05:09	19° <b>∡</b> 37'11	1°35'14
superior conj	13193 Dec 14 17:50	4° <b>⋜</b> 53'19	1°38'18	minimum elong	13194 Nov 29 04:06	19° <b>×</b> 37'11	1°36'08
minimum elong	13193 Dec 14 17:47	4°る53'06	1°39'19	max. Earth dist.	13194 Nov 29 14:51		1.31346 AU
max. Earth dist.	13193 Dec 14 17:47	8° <b>る</b> 20'11	1.31966 AU	max. Earth dist.	13194 Dec 03 21:49	0°る	1.51540710
evening rise	13193 Dec 21 22:17	20° <b>る</b> 20'44	1.51700710	evening rise	13194 Dec 06 01:43	。 4° <b>ろ</b> 38'44	
evening rise	13193 Dec 26 18:30	0° <b>≈</b>		desc. node	13194 Dec 18 23:57	29° <b>る</b> 14'13	
desc. node	13194 Jan 01 03:02	9° <b>≈</b> 48'12			13194 Dec 19 10:59	0° <b>≈</b>	
	13194 Jan 14 06:49	0° <b>)</b> €		evening max el	13195 Jan 05 22:58	23° <b>≈</b> 03'58	27°07'40
evening max el	13194 Jan 23 17:23	10° <b>)</b> 49′52	27°32'32	Č	13195 Jan 17 05:51	0° <b>)</b> €	
retrograde	13194 Feb 06 14:02	18° <b>¥</b> 11'48		retrograde	13195 Jan 19 21:54	0° <b>¥</b> 18′06	
evening set	13194 Feb 13 12:17	15° <b>¥</b> 52'11			13195 Jan 22 12:50	30° <b>₹</b> ≈	
min. Earth dist.	13194 Feb 17 06:17	12° <b>)</b> 50′45	0.62446 AU	evening set	13195 Jan 26 17:17	28° <b>≈</b> 16'41	
inferior conj	13194 Feb 20 04:38	10° <b>)</b> €03'25		min. Earth dist.	13195 Jan 30 13:21	25° <b>≈</b> 34'19	0.60291 AU
minimum elong	13194 Feb 20 07:58	9° <b>)</b> 55′27	1°36'13	inferior conj	13195 Feb 02 17:32	22° <b>≈</b> 55'23	-2°59'14
asc. node	13194 Feb 25 04:50	5° <b>¥</b> 55′28		minimum elong	13195 Feb 02 23:56	22° <b>≈</b> 41'58	2°56'10
morning rise	13194 Feb 27 06:19	4° <b>)</b> 56′12		morning rise	13195 Feb 10 09:41	18° <b>≈</b> 08'01	
direct	13194 Mar 01 12:36	4° <b>)</b> 32′48		direct	13195 Feb 12 11:28	17° <b>≈</b> 51′06	
morning max el	13194 Mar 08 04:53	7° <b>¥</b> 56′25	17°46'56	asc. node	13195 Feb 12 02:14	17° <b>≈</b> 51'42	
	13194 Mar 22 17:43	0°Υ ••••••••		morning max el	13195 Feb 19 19:40	21° <b>≈</b> 31'04	18°01'01
morning set	13194 Mar 24 03:15	2° <b>Y</b> 27'28			13195 Feb 26 06:51	0° <b>∀</b>	

morning set	13195 Mar 07 09:31	16° <b>)</b> €03'45		morning max el	13196 Feb 03 03:49	4° <b>≈</b> 33'06	18°35'13
	13195 Mar 15 00:15	0° <b>Υ</b>		morning set	13196 Feb 19 04:06	0° <b>)</b> 13′00	
desc. node	13195 Mar 17 01:22	3° <b>Y</b> 38'50			13196 Feb 19 01:25	0° <b>\</b>	
		40000-1-5				. = 0 \	
superior conj	13195 Mar 17 12:29	4° <b>Υ</b> 27'56		superior conj	13196 Feb 28 01:54	17° <b>¥</b> 15′05	0°30'28
minimum elong	13195 Mar 17 12:11	4° <b>Y</b> 26'35	0°03'37	minimum elong	13196 Feb 28 03:54	17° <b>)</b> € 24'24	0°30'27
behind sun begin	13195 Mar 17 04:26	3° <b>Y</b> ′52'23		desc. node	13196 Mar 02 21:55	24° <b>¥</b> 16′08	
behind sun end	13195 Mar 17 19:56	5° <b>Y</b> ′00'43			13196 Mar 06 03:38	0° <b>Υ</b>	
max. Earth dist.	13195 Mar 25 02:32	17° <b>Y</b> ′26'51	1.42259 AU	max. Earth dist.	13196 Mar 06 10:38	0° <b>Ƴ</b> 30'27	1.40130 AU
evening rise	13195 Mar 30 15:07	26° <b>Y</b> 26′16		evening rise	13196 Mar 10 14:17	7° <b>Ƴ</b> 34'49	
	13195 Apr 01 21:08	$9^{\circ}$ 8			13196 Mar 24 21:49	$9^{\circ}$ 8	
	13195 Apr 22 09:30	$\Pi$ $\circ 0$		evening max el	13196 Apr 14 07:06	26° <b>8</b> 11'37	23°49'38
evening max el	13195 May 02 16:31	12° <b>Ⅱ</b> 20′20	22°28'42		13196 Apr 18 16:04	$\Pi$ $\circ$ 0	
asc. node	13195 May 10 22:55	17° <b>Ⅱ</b> 56'30		retrograde	13196 Apr 25 06:35	2° <b>Ⅲ</b> 38'53	
retrograde	13195 May 12 12:10	18° <b>Ⅲ</b> 07'37		asc. node	13196 Apr 26 20:13	2° <b>Ⅲ</b> 27'45	
evening set	13195 May 17 07:24	16° <b>Ⅲ</b> 07′24		evening set	13196 Apr 30 13:21	0°Ⅲ25′18	
inferior conj	13195 May 22 14:36	9° <b>Ⅱ</b> 45'22	2°54'22		13196 May 01 00:38	30° <b>₹႘</b>	
minimum elong	13195 May 22 13:01	9° <b>Ⅱ</b> 50'54	2°53'12	inferior conj	13196 May 05 23:43	23° <b>8</b> 56'57	2°29'39
min. Earth dist.	13195 May 22 10:14	10° <b>Ⅲ</b> 00′37	0.68899 AU	minimum elong	13196 May 05 21:39	24° <b>8</b> 04'00	2°28'24
morning rise	13195 May 27 18:30	3° <b>Ⅲ</b> 34'12		min. Earth dist.	13196 May 05 06:50	24° <b>8</b> 54'37	0.68687 AU
direct	13195 Jun 01 09:46	1° <b>Ⅲ</b> 37'53		morning rise	13196 May 11 05:57	17° <b>8</b> 53'14	
morning max el	13195 Jun 10 12:06	6° <b>Ⅱ</b> 56'04	21°45'15	direct	13196 May 15 08:38	16° <b>8</b> 17'39	
desc. node	13195 Jun 13 02:47	9° <b>Ⅱ</b> 44'01		morning max el	13196 May 23 07:36	20° <b>8</b> 48'10	20°26'59
	13195 Jun 28 06:29	0ಂತಾ		desc. node	13196 May 29 23:45	28° <b>8</b> 38'36	
morning set	13195 Jul 12 18:51	22° <b>©</b> 09'07			13196 May 31 00:19	0°II	
3	13195 Jul 17 15:23	$0^{\circ}\Omega$			13196 Jun 20 10:42	0° <b>©</b>	
max. Earth dist.	13195 Jul 18 19:46		1.41926 AU	morning set	13196 Jun 21 02:42	1° <b>5</b> 01'45	
max. Earth dist.	15175 341 10 17.10	1 000000	1.11/20110	max. Earth dist.	13196 Jun 30 04:05		1.43823 AU
superior conj	13195 Jul 26 10:59	14°Ω55'02	-1°31'45	max. Lartii dist.	13170 Juli 30 04.03	13 317 11	1.43023 710
minimum elong	13195 Jul 26 17:38	15°Ω24'06		superior conj	13196 Jul 06 11:31	25° <b>©</b> 33'57	-1°50'03
minimum clong	13195 Aug 03 21:05	0°m)	1 31 43	minimum elong	13196 Jul 06 18:11	26°901'34	
evening rise	13195 Aug 05 21:05	ارات 4° الله 31'23		minimum ciong	13196 Jul 09 03:21	20 <b>3</b> 01 34	1 3931
asc. node	13195 Aug 06 08:18	5° Tb 36'49		evening rise	13196 Jul 19 00:29	16° <b>Ω</b> 57'49	
asc. node	•	0∘ <b>ʊ</b>		asc. node	13196 Jul 23 19:15	25°Ω16'51	
	13195 Aug 22 09:40	0° <b>亞</b> 01'00	10010102	asc. node			
evening max el	13195 Aug 22 10:04		18°10'03		13196 Jul 26 13:58	0° Mp	10002111
retrograde	13195 Aug 29 11:15	3° <b>Ω</b> 36'21		evening max el	13196 Aug 04 23:34	13°Mp11'19	18°03'11
evening set	13195 Aug 31 17:00	3° <b>Ω</b> 15'07		retrograde	13196 Aug 11 11:23	16° m/32'52	
	13195 Sep 06 02:09	30°R, Mp	0000100	evening set	13196 Aug 14 01:20	16° Mp 00'18	1000144
inferior conj	13195 Sep 07 21:10	28° m 27'24		inferior conj	13196 Aug 20 13:15	10° m 53'17	
minimum elong	13195 Sep 07 21:51	28° m 25'53	0°20'16	minimum elong	13196 Aug 20 15:34	10° m 47'23	
desc. node	13195 Sep 09 00:02	27° <b>m</b> 27'30		min. Earth dist.	13196 Aug 23 13:01	7° <b>m</b> 52'17	0.61819 AU
min. Earth dist.	13195 Sep 11 04:11	25° m 33'39	0.59528 AU	desc. node	13196 Aug 25 21:34	5° <b>m</b> 45'37	
morning rise	13195 Sep 14 23:21	22° <b>m</b> 47'07		morning rise	13196 Aug 27 03:19	4° <b>m</b> 49'31	
direct	13195 Sep 21 10:17	20° m 50'31		direct	13196 Sep 02 19:29	2° <b>m</b> 29'25	
morning max el	13195 Oct 05 18:09	28°m/39'38	27°42'08	morning max el	13196 Sep 16 23:24		27°58'21
	13195 Oct 07 01:53	0∘ <b>⊽</b>			13196 Oct 02 05:46	0∘ <b>⊽</b>	
	13195 Oct 27 23:14	0° <b>M</b>			13196 Oct 19 05:40	0° <b>M</b>	
asc. node	13195 Nov 03 00:27	11°M28'00		asc. node	13196 Oct 19 21:09	1°M.18'17	
morning set	13195 Nov 06 15:32	18° <b>M</b> 54'59		morning set	13196 Oct 20 16:20	2° <b>™</b> 56′24	
	13195 Nov 11 18:13	0° <b>∡</b> ¹		max. Earth dist.	13196 Oct 26 04:52	14° <b>M</b> 40'14	1.31664 AU
max. Earth dist.	13195 Nov 12 23:15	2° <b>∡</b> ′41′15	1.31240 AU				
				superior conj	13196 Oct 28 02:34	18° <b>™</b> 50'58	
superior conj	13195 Nov 13 16:43	4° <b>∡</b> 18'31	1°26'22	minimum elong	13196 Oct 28 00:19	18° <b>M</b> 38'35	1°12'10
minimum elong	13195 Nov 13 14:52	4° <b>∡</b> 08'16	1°27'02		13196 Nov 02 03:46	0° <b>∡</b> ¹	
evening rise	13195 Nov 20 09:42	19° <b>∡</b> 07'09		evening rise	13196 Nov 03 20:12	3° <b>∡</b> ³39'53	
	13195 Nov 25 15:57	0°₹			13196 Nov 17 17:07	0°₹	
desc. node	13195 Dec 05 20:59	18° <b>る</b> 02'50		desc. node	13196 Nov 21 18:09	5° <b>る</b> 59'04	
	13195 Dec 14 15:51	0° <b>≈</b>		evening max el	13196 Nov 29 11:17	15° <b>る</b> 00'49	24°41'10
evening max el	13195 Dec 18 21:09	4° <b>≈</b> 27'16	26°08'34	retrograde	13196 Dec 13 05:19	21° <b>る</b> 52'53	
retrograde	13196 Jan 01 19:48	11° <b>≈</b> 31'39		evening set	13196 Dec 18 14:41	20° <b>る</b> 48'33	
evening set	13196 Jan 08 03:29	9° <b>≈</b> 56'31		min. Earth dist.	13196 Dec 23 23:04	18° <b>ප</b> 01'21	0.56290 AU
min. Earth dist.	13196 Jan 12 10:24	7° <b>≈</b> 20'10	0.58152 AU	inferior conj	13196 Dec 26 10:18	16° <b>පි</b> 27'42	-5°27'13
inferior conj	13196 Jan 15 12:14	5° <b>≈</b> 06'19	-4°20'42	minimum elong	13196 Dec 26 17:31	16° <b>පි</b> 16'15	5°25'01
minimum elong	13196 Jan 15 20:51	4° <b>≈</b> 50'39		morning rise	13197 Jan 03 22:27	12° <b>る</b> 23'03	
morning rise	13196 Jan 23 17:07	0° <b>≈</b> 40'37		direct	13197 Jan 06 07:05	12° <b>ろ</b> 07'48	
direct	13196 Jan 25 18:43	0° <b>≈</b> 26'34		asc. node	13197 Jan 15 20:55	16° <b>ට</b> 39'49	
asc. node	13196 Jan 29 23:36	1° <b>≈</b> 28'14		morning max el	13197 Jan 16 01:06	16° <b>පි</b> 49'52	19°31'34
				<b>U</b>		<del>-</del>	

min. Earth dist.	13198 Nov 16 12:22	6° <b>∡</b> 751'11	0.54507 AU	desc. node	13199 Oct 13 10:07	20°M52'56	
morning rise	13198 Nov 24 11:37	3° <b>∡</b> 12'11		retrograde	13199 Oct 16 03:02	21°M13'17	
direct	13198 Nov 28 08:52	2° <b>∡</b> ³39'39		evening set	13199 Oct 18 02:31	21° <b>M</b> 02'57	
morning max el	13198 Dec 11 02:16	8° <b>₰</b> ¹46'04	22°30'40	inferior conj	13199 Oct 27 00:23	17° <b>M</b> 03'51	-4°04'25
asc. node	13198 Dec 20 15:15	20° <b>≯</b> ¹46′06		minimum elong	13199 Oct 26 14:36	17° <b>M</b> ₊18'38	4°00'41
	13198 Dec 26 00:27	0°ಕ		min. Earth dist.	13199 Oct 28 20:33	15° <b>M</b> 57′08	0.54973 AU
morning set	13199 Jan 02 01:53	14° <b>る</b> 10'12		morning rise	13199 Nov 04 01:27	12°M53'36	
				direct	13199 Nov 08 20:17	12°M03'38	
superior conj	13199 Jan 09 02:11	29° <b>る</b> 10'58	1°30'51	morning max el	13199 Nov 22 12:42	18° <b>ጤ</b> 48'43	24°19'28
minimum elong	13199 Jan 09 03:52	29° <b>る</b> 19'53	1°31'40		13199 Dec 01 19:21	0° <b>∡</b> ¹	
	13199 Jan 09 11:25	0°≈		asc. node	13199 Dec 07 12:16	9° <b>∡</b> ′08′15	
max. Earth dist.	13199 Jan 12 17:03	6° <b>≈</b> 46′01	1.33927 AU	morning set	13199 Dec 17 13:46	28° <b>₹</b> '55'02	
evening rise	13199 Jan 17 04:43	15° <b>≈</b> 45'35			13199 Dec 18 01:51	0°ප	
desc. node	13199 Jan 22 11:43	25° <b>≈</b> 41′08					
	13199 Jan 24 22:07	0° <b>ℋ</b>		superior conj	13199 Dec 24 09:17	13° <b>る</b> 47'23	1°37'23
	13199 Feb 14 02:58	$0^{\circ}$ Y		minimum elong	13199 Dec 24 09:53	13° <b>る</b> 50'40	1°38'22
evening max el	13199 Feb 20 23:56	7° <b>Ƴ</b> 32'47	27°05'47	max. Earth dist.	13199 Dec 26 15:49	18° <b>る</b> 43'20	1.32535 AU
retrograde	13199 Mar 06 09:41	14° <b>Ƴ</b> 59'31		evening rise	13199 Dec 31 20:19	29° <b>る</b> 35'12	
evening set	13199 Mar 13 00:28	12° <b>Y</b> 27'10			13200 Jan 01 01:13	0° <b>≈</b>	
min. Earth dist.	13199 Mar 16 22:49	8° <b>Y</b> 40'56	0.65440 AU	desc. node	13200 Jan 09 08:26	15° <b>≈</b> 45'30	
asc. node	13199 Mar 18 12:30	6° <b>Ƴ</b> 54'50			13200 Jan 18 00:00	0° <b>∀</b>	
inferior conj	13199 Mar 19 04:43	6° <b>Ƴ</b> 08'42	0°12'59	evening max el	13200 Feb 03 12:10	20° <b>)</b> 48′13	27°31'31
minimum elong	13199 Mar 19 04:22	6° <b>Ƴ</b> 09'44	0°12'50	retrograde	13200 Feb 17 06:33	28° <b>)</b> 14′28	
transit middle	13199 Mar 19 04:22	6° <b>Ƴ</b> 09'44	0°12'50	evening set	13200 Feb 24 03:15	25° <b>)</b> 47′58	
transit begin	13199 Mar 19 02:34	6° <b>Y</b> 14′50		min. Earth dist.	13200 Feb 27 22:04	22° <b>∺</b> 31'35	0.63610 AU
transit end	13199 Mar 19 06:09	6° <b>Ƴ</b> 04'40		inferior conj	13200 Mar 01 15:05	19° <b>)</b> 45′53	
morning rise	13199 Mar 25 09:49	0° <b>Ƴ</b> 36'47		minimum elong	13200 Mar 01 16:50		0°53'31
	13199 Mar 27 07:22	30° <b>₹</b>		asc. node	13200 Mar 04 09:58	17° <b>∺</b> 04'13	
direct	13199 Mar 28 03:56	29° <b>¥</b> 56′02		morning rise	13200 Mar 08 08:45	14° <b>∺</b> 28'48	
	13199 Mar 29 00:33	0° <b>Υ</b>		direct	13200 Mar 10 18:40	14° <b>∺</b> 00'14	
morning max el	13199 Apr 03 12:17	3° <b>Y</b> 15′00	18°01'58	morning max el	13200 Mar 17 05:55	17° <b>¥</b> 19′26	17°47'17
desc. node	13199 Apr 20 13:56	28° <b>Y</b> 13′02			13200 Mar 26 10:50	0°Υ •••••••	
morning set	13199 Apr 21 18:23	0° <b>8</b> 09'12		morning set	13200 Apr 02 18:08	12° <b>Y</b> 19'59	
	13199 Apr 21 16:08	$0^{\circ}$ 8		desc. node	13200 Apr 06 10:29	18° <b>Ƴ</b> 36'51	
	12100 M 06 00 44	220 42 2024	1042102		13200 Apr 13 05:44	0°B	
superior conj minimum elong	13199 May 06 08:44	23° <b>8</b> 36'34					
minimum ciong				cuporior coni	12200 Apr 15 11:42	20×11/10	100600
may Forth dist	13199 May 05 23:32	23° <b>8</b> 00'20		superior conj	13200 Apr 15 11:43	3° <b>8</b> 41'08	
max. Earth dist.	13199 May 09 10:18	28° <b>8</b> 25'31	1.45666 AU	minimum elong	13200 Apr 15 04:59	3° <b>8</b> 13'44	1°05'42
	13199 May 09 10:18 13199 May 10 10:28	28° <b>8</b> 25'31 0° <b>Ⅱ</b>		minimum elong max. Earth dist.	13200 Apr 15 04:59 13200 Apr 21 04:45	3° <b>8</b> 13'44 12° <b>8</b> 51'58	
max. Earth dist.	13199 May 09 10:18 13199 May 10 10:28 13199 May 22 11:07	28° <b>8</b> 25'31 0° <b>П</b> 18° <b>П</b> 38'58		minimum elong	13200 Apr 15 04:59 13200 Apr 21 04:45 13200 Apr 30 22:14	3°813'44 12°851'58 28°801'39	1°05'42
evening rise	13199 May 09 10:18 13199 May 10 10:28 13199 May 22 11:07 13199 May 29 20:37	28°₩25'31 0°Ⅲ 18°Ⅲ38'58 0°©	1.45666 AU	minimum elong max. Earth dist.	13200 Apr 15 04:59 13200 Apr 21 04:45 13200 Apr 30 22:14 13200 May 02 05:11	3°813'44 12°851'58 28°801'39 0°Ⅲ	1°05'42
evening rise greatest brilliancy	13199 May 09 10:18 13199 May 10 10:28 13199 May 22 11:07 13199 May 29 20:37 13199 Jun 04 15:33	28° <b>8</b> 25'31 0°Ⅲ 18°Ⅲ38'58 0°⑤ 8°⑤43'07		minimum elong max. Earth dist. evening rise	13200 Apr 15 04:59 13200 Apr 21 04:45 13200 Apr 30 22:14 13200 May 02 05:11 13200 May 22 19:03	3°႘313'44 12°႘51'58 28°႘01'39 0°Ⅲ 0°ණ	1°05'42 1.44822 AU
evening rise greatest brilliancy asc. node	13199 May 09 10:18 13199 May 10 10:28 13199 May 22 11:07 13199 May 29 20:37 13199 Jun 04 15:33 13199 Jun 14 09:53	28°♂25'31 0°Ⅲ 18°Ⅲ38'58 0°☞ 8°ℱ43'07 21°ℱ59'15	1.45666 AU -0.7m	minimum elong max. Earth dist. evening rise	13200 Apr 15 04:59 13200 Apr 21 04:45 13200 Apr 30 22:14 13200 May 02 05:11 13200 May 22 19:03 13200 May 29 11:20	3°႘513'44 12°႘51'58 28°႘01'39 0°Ⅲ 0°ℱ 7°ℱ55'44	1°05'42
evening rise greatest brilliancy asc. node evening max el	13199 May 09 10:18 13199 May 10 10:28 13199 May 22 11:07 13199 May 29 20:37 13199 Jun 04 15:33 13199 Jun 14 09:53 13199 Jun 16 09:26	28°\\$25'31 0° II 18° II 38'58 0° © 8° © 43'07 21° © 59'15 24° © 07'43	1.45666 AU	minimum elong max. Earth dist. evening rise evening max el asc. node	13200 Apr 15 04:59 13200 Apr 21 04:45 13200 Apr 30 22:14 13200 May 02 05:11 13200 May 22 19:03 13200 May 29 11:20 13200 May 31 06:58	3°႘313'44 12°႘51'58 28°႘01'39 0°Ⅲ 0°ණ	1°05'42 1.44822 AU
evening rise greatest brilliancy asc. node evening max el retrograde	13199 May 09 10:18 13199 May 10 10:28 13199 May 22 11:07 13199 May 29 20:37 13199 Jun 04 15:33 13199 Jun 14 09:53	28°♂25'31 0°Ⅲ 18°Ⅲ38'58 0°☞ 8°ℱ43'07 21°ℱ59'15	1.45666 AU -0.7m	minimum elong max. Earth dist. evening rise evening max el asc. node retrograde	13200 Apr 15 04:59 13200 Apr 21 04:45 13200 Apr 30 22:14 13200 May 02 05:11 13200 May 22 19:03 13200 May 29 11:20	3°813'44 12°851'58 28°801'39 0°II 0°© 7°©55'44 9°©37'24	1°05'42 1.44822 AU
evening rise greatest brilliancy asc. node evening max el retrograde evening set	13199 May 09 10:18 13199 May 10 10:28 13199 May 22 11:07 13199 May 29 20:37 13199 Jun 04 15:33 13199 Jun 14 09:53 13199 Jun 16 09:26 13199 Jun 23 13:59	28°♥25'31 0°Ⅲ 18°Ⅲ38'58 0°໑ 8°໑43'07 21°໑59'15 24°໑07'43 28°໑10'13	1.45666 AU -0.7m	minimum elong max. Earth dist. evening rise evening max el asc. node	13200 Apr 15 04:59 13200 Apr 21 04:45 13200 Apr 30 22:14 13200 May 02 05:11 13200 May 22 19:03 13200 May 29 11:20 13200 May 31 06:58 13200 Jun 06 12:53	3°\dagger 313'44 12°\dagger 51'58 28°\dagger 301'39 0°\mathbf{\textit{I}} 0°\sigma 7°\sigma 555'44 9°\sigma 37'24 12°\sigma 34'45	1°05'42 1.44822 AU 20°30'55
evening rise greatest brilliancy asc. node evening max el retrograde	13199 May 09 10:18 13199 May 10 10:28 13199 May 22 11:07 13199 May 29 20:37 13199 Jun 04 15:33 13199 Jun 14 09:53 13199 Jun 16 09:26 13199 Jun 23 13:59 13199 Jun 27 06:10	28°♥25'31 0°Ⅲ 18°Ⅲ38'58 0°⑤ 8°⑤43'07 21°⑤59'15 24°⑤07'43 28°⑤10'13 26°⑤51'38	1.45666 AU -0.7m 19°29'56	minimum elong max. Earth dist. evening rise evening max el asc. node retrograde evening set	13200 Apr 15 04:59 13200 Apr 21 04:45 13200 Apr 30 22:14 13200 May 02 05:11 13200 May 22 19:03 13200 May 29 11:20 13200 May 31 06:58 13200 Jun 06 12:53 13200 Jun 10 14:59	3°813'44 12°851'58 28°801'39 0°II 0°\$ 7°\$55'44 9°\$37'24 12°\$34'45 10°\$59'30	1°05'42 1.44822 AU 20°30'55
evening rise  greatest brilliancy asc. node evening max el retrograde evening set inferior conj	13199 May 09 10:18 13199 May 10 10:28 13199 May 22 11:07 13199 May 29 20:37 13199 Jun 04 15:33 13199 Jun 14 09:53 13199 Jun 16 09:26 13199 Jun 27 06:10 13199 Jul 02 15:06	28°\( 25'31\) 0°\( \pi\) 18°\( \pi\) 38'58 0°\( \pi\) 8°\( \pi\) 43'07 21°\( \pi\) 59'15 24°\( \pi\) 07'43 28°\( \pi\) 10'13 26°\( \pi\) 57'55	1.45666 AU -0.7m 19°29'56 3°09'48	minimum elong max. Earth dist. evening rise  evening max el asc. node retrograde evening set inferior conj	13200 Apr 15 04:59 13200 Apr 21 04:45 13200 Apr 30 22:14 13200 May 02 05:11 13200 May 22 19:03 13200 May 29 11:20 13200 May 31 06:58 13200 Jun 06 12:53 13200 Jun 10 14:59 13200 Jun 15 21:21	3°813'44 12°851'58 28°801'39 0°II 0°© 7°©55'44 9°©37'24 12°©34'45 10°©59'30 4°©55'27	1°05'42 1.44822 AU 20°30'55 3°12'32
evening rise  greatest brilliancy asc. node evening max el retrograde evening set inferior conj minimum elong	13199 May 09 10:18 13199 May 10 10:28 13199 May 22 11:07 13199 May 29 20:37 13199 Jun 04 15:33 13199 Jun 14 09:53 13199 Jun 16 09:26 13199 Jun 23 13:59 13199 Jun 27 06:10 13199 Jul 02 15:06 13199 Jul 02 15:53	28°♥25'31 0°Ⅲ 18°Ⅲ38'58 0°☞ 8°孪43'07 21°孪59'15 24°孪07'43 28°孪10'13 26°孪51'38 20°孪57'55 20°孪55'19	1.45666 AU -0.7m 19°29'56 3°09'48 3°08'46	minimum elong max. Earth dist. evening rise  evening max el asc. node retrograde evening set inferior conj minimum elong	13200 Apr 15 04:59 13200 Apr 21 04:45 13200 Apr 30 22:14 13200 May 02 05:11 13200 May 22 19:03 13200 May 29 11:20 13200 May 31 06:58 13200 Jun 06 12:53 13200 Jun 10 14:59 13200 Jun 15 21:21 13200 Jun 15 21:05	3°₺13'44 12°₺51'58 28°₺01'39 0°Ⅲ 0°☞ 7°ॐ55'44 9°ॐ37'24 12°ॐ34'45 10°ॐ59'30 4°ॐ55'27 4°ॐ55'27	1°05'42 1.44822 AU 20°30'55 3°12'32 3°11'31
evening rise  greatest brilliancy asc. node evening max el retrograde evening set inferior conj minimum elong min. Earth dist.	13199 May 09 10:18 13199 May 10 10:28 13199 May 22 11:07 13199 May 29 20:37 13199 Jun 04 15:33 13199 Jun 14 09:53 13199 Jun 16 09:26 13199 Jun 23 13:59 13199 Jun 27 06:10 13199 Jul 02 15:06 13199 Jul 02 15:53 13199 Jul 03 21:27	28°\( 25'31\) 0°\( \pi\) 18°\( \pi\) 38'58 0°\( \pi\) 8°\( \pi\) 43'07 21°\( \pi\) 59'15 24°\( \pi\) 07'43 28°\( \pi\) 10'13 26°\( \pi\) 57'55 20°\( \pi\) 55'19 19°\( \pi\) 17'35	1.45666 AU -0.7m 19°29'56 3°09'48 3°08'46	minimum elong max. Earth dist. evening rise  evening max el asc. node retrograde evening set inferior conj minimum elong	13200 Apr 15 04:59 13200 Apr 21 04:45 13200 Apr 30 22:14 13200 May 02 05:11 13200 May 22 19:03 13200 May 29 11:20 13200 May 31 06:58 13200 Jun 06 12:53 13200 Jun 10 14:59 13200 Jun 15 21:21 13200 Jun 15 21:05 13200 Jun 16 13:44	3°813'44 12°851'58 28°801'39 0°II 0°9 7°955'44 9°937'24 12°934'45 10°959'30 4°953'27 4°9554'20 3°957'07	1°05'42 1.44822 AU 20°30'55 3°12'32 3°11'31
evening rise  greatest brilliancy asc. node evening max el retrograde evening set inferior conj minimum elong min. Earth dist. morning rise	13199 May 09 10:18 13199 May 10 10:28 13199 May 22 11:07 13199 May 29 20:37 13199 Jun 04 15:33 13199 Jun 14 09:53 13199 Jun 16 09:26 13199 Jun 23 13:59 13199 Jun 27 06:10 13199 Jul 02 15:06 13199 Jul 02 15:53 13199 Jul 03 21:27 13199 Jul 08 01:07	28°\mathread 25'31 0°\mathread 18°\mathread 138'58 0°\mathread 8°\mathread 43'07 21°\mathread 59'15 24°\mathread 907'43 28°\mathread 10'13 26°\mathread 51'38 20°\mathread 55'19 19°\mathread 17'35 14°\mathread 34'12	1.45666 AU -0.7m 19°29'56 3°09'48 3°08'46	minimum elong max. Earth dist. evening rise  evening max el asc. node retrograde evening set inferior conj minimum elong min. Earth dist.	13200 Apr 15 04:59 13200 Apr 21 04:45 13200 Apr 30 22:14 13200 May 02 05:11 13200 May 22 19:03 13200 May 29 11:20 13200 May 31 06:58 13200 Jun 06 12:53 13200 Jun 10 14:59 13200 Jun 15 21:21 13200 Jun 15 21:05 13200 Jun 16 13:44 13200 Jun 19 16:24	3°813'44 12°851'58 28°801'39 0°II 0°\$ 7°\$55'44 9°\$37'24 12°\$34'45 10°\$59'30 4°\$53'27 4°\$554'20 3°\$57'07 30°RII	1°05'42 1.44822 AU 20°30'55 3°12'32 3°11'31
evening rise  greatest brilliancy asc. node evening max el retrograde evening set inferior conj minimum elong min. Earth dist. morning rise direct	13199 May 09 10:18 13199 May 10 10:28 13199 May 22 11:07 13199 May 29 20:37 13199 Jun 04 15:33 13199 Jun 14 09:53 13199 Jun 16 09:26 13199 Jun 23 13:59 13199 Jun 27 06:10 13199 Jul 02 15:06 13199 Jul 02 15:53 13199 Jul 03 21:27 13199 Jul 08 01:07 13199 Jul 14 00:19	28° 825'31 0° II 18° II 38'58 0° 9 8° 943'07 21° 959'15 24° 907'43 28° 910'13 26° 955'138 20° 955'15 20° 955'19 19° 917'35 14° 934'12 11° 957'28	1.45666 AU -0.7m 19°29'56 3°09'48 3°08'46 0.67298 AU	minimum elong max. Earth dist. evening rise  evening max el asc. node retrograde evening set inferior conj minimum elong min. Earth dist.  morning rise	13200 Apr 15 04:59 13200 Apr 21 04:45 13200 Apr 30 22:14 13200 May 02 05:11 13200 May 22 19:03 13200 May 29 11:20 13200 May 31 06:58 13200 Jun 06 12:53 13200 Jun 10 14:59 13200 Jun 15 21:21 13200 Jun 15 21:05 13200 Jun 16 13:44 13200 Jun 19 16:24 13200 Jun 21 02:54	3°813'44 12°851'58 28°801'39 0°II 0°9 7°955'44 9°937'24 12°934'45 10°959'30 4°953'27 4°954'20 3°957'07 30°RII 28°II33'06	1°05'42 1.44822 AU 20°30'55 3°12'32 3°11'31
evening rise  greatest brilliancy asc. node evening max el retrograde evening set inferior conj minimum elong min. Earth dist. morning rise direct desc. node	13199 May 09 10:18 13199 May 10 10:28 13199 May 22 11:07 13199 May 29 20:37 13199 Jun 04 15:33 13199 Jun 14 09:53 13199 Jun 16 09:26 13199 Jun 23 13:59 13199 Jun 27 06:10 13199 Jul 02 15:06 13199 Jul 02 15:53 13199 Jul 03 21:27 13199 Jul 08 01:07 13199 Jul 14 00:19 13199 Jul 17 13:49	28°825'31 0°II 18°II38'58 0°© 8°S43'07 21°S59'15 24°S07'43 28°S10'13 26°S51'38 20°S55'19 19°S17'35 14°S34'12 11°S57'28 12°S44'05	1.45666 AU -0.7m 19°29'56 3°09'48 3°08'46 0.67298 AU	minimum elong max. Earth dist. evening rise  evening max el asc. node retrograde evening set inferior conj minimum elong min. Earth dist.  morning rise direct	13200 Apr 15 04:59 13200 Apr 21 04:45 13200 Apr 30 22:14 13200 May 02 05:11 13200 May 22 19:03 13200 May 29 11:20 13200 May 31 06:58 13200 Jun 06 12:53 13200 Jun 10 14:59 13200 Jun 15 21:21 13200 Jun 15 21:05 13200 Jun 16 13:44 13200 Jun 19 16:24 13200 Jun 21 02:54 13200 Jun 26 14:25	3°813'44 12°851'58 28°801'39 0°II 0°9 7°955'44 9°937'24 12°934'45 10°959'30 4°953'27 4°954'20 3°957'07 30°RII 28°II33'06 26°II08'00	1°05'42 1.44822 AU 20°30'55 3°12'32 3°11'31
evening rise  greatest brilliancy asc. node evening max el retrograde evening set inferior conj minimum elong min. Earth dist. morning rise direct desc. node	13199 May 09 10:18 13199 May 10 10:28 13199 May 22 11:07 13199 May 29 20:37 13199 Jun 04 15:33 13199 Jun 14 09:53 13199 Jun 16 09:26 13199 Jun 23 13:59 13199 Jun 27 06:10 13199 Jul 02 15:06 13199 Jul 02 15:53 13199 Jul 03 21:27 13199 Jul 08 01:07 13199 Jul 14 00:19 13199 Jul 17 13:49 13199 Jul 26 06:56	28° 825'31 0° II 18° II 38'58 0° 9 8° 943'07 21° 959'15 24° 907'43 28° 910'13 26° 951'38 20° 955'19 19° 917'35 14° 934'12 11° 957'28 12° 944'05 19° 918'52	1.45666 AU -0.7m 19°29'56 3°09'48 3°08'46 0.67298 AU	minimum elong max. Earth dist. evening rise  evening max el asc. node retrograde evening set inferior conj minimum elong min. Earth dist.  morning rise direct	13200 Apr 15 04:59 13200 Apr 21 04:45 13200 Apr 30 22:14 13200 May 02 05:11 13200 May 22 19:03 13200 May 29 11:20 13200 May 31 06:58 13200 Jun 06 12:53 13200 Jun 10 14:59 13200 Jun 15 21:21 13200 Jun 15 21:05 13200 Jun 16 13:44 13200 Jun 19 16:24 13200 Jun 21 02:54 13200 Jun 26 14:25 13200 Jul 03 11:02	3°813'44 12°851'58 28°801'39 0°II 0°9 7°955'44 9°937'24 12°934'45 10°959'30 4°953'27 4°954'20 3°957'07 30°RII 28°II33'06 26°II08'00 28°II59'43	1°05'42 1.44822 AU 20°30'55 3°12'32 3°11'31 0.68293 AU
evening rise  greatest brilliancy asc. node evening max el retrograde evening set inferior conj minimum elong min. Earth dist. morning rise direct desc. node	13199 May 09 10:18 13199 May 10 10:28 13199 May 22 11:07 13199 May 29 20:37 13199 Jun 04 15:33 13199 Jun 14 09:53 13199 Jun 23 13:59 13199 Jun 27 06:10 13199 Jul 02 15:06 13199 Jul 02 15:53 13199 Jul 03 21:27 13199 Jul 08 01:07 13199 Jul 14 00:19 13199 Jul 17 13:49 13199 Jul 26 06:56 13199 Aug 04 09:02	28° 825'31 0° II 18° II 38'58 0° 9 8° 943'07 21° 959'15 24° 907'43 28° 910'13 26° 951'38 20° 955'19 19° 917'35 14° 934'12 11° 957'28 12° 944'05 19° 918'52 0° Ω	1.45666 AU -0.7m 19°29'56 3°09'48 3°08'46 0.67298 AU	minimum elong max. Earth dist. evening rise  evening max el asc. node retrograde evening set inferior conj minimum elong min. Earth dist.  morning rise direct desc. node	13200 Apr 15 04:59 13200 Apr 21 04:45 13200 Apr 30 22:14 13200 May 02 05:11 13200 May 22 19:03 13200 May 29 11:20 13200 May 31 06:58 13200 Jun 06 12:53 13200 Jun 10 14:59 13200 Jun 15 21:21 13200 Jun 15 21:05 13200 Jun 16 13:44 13200 Jun 19 16:24 13200 Jun 21 02:54 13200 Jun 26 14:25 13200 Jul 03 11:02 13200 Jul 04 17:15	3°813'44 12°851'58 28°801'39 0°II 0°\$ 7°\$55'44 9°\$37'24 12°\$34'45 10°\$59'30 4°\$53'27 4°\$55'20 3°\$57'07 30°RII 28°II33'06 26°II08'00 28°II59'43 0°\$ 2°\$47'09 0°\$	1°05'42 1.44822 AU 20°30'55 3°12'32 3°11'31 0.68293 AU
evening rise  greatest brilliancy asc. node evening max el retrograde evening set inferior conj minimum elong min. Earth dist. morning rise direct desc. node morning max el	13199 May 09 10:18 13199 May 10 10:28 13199 May 22 11:07 13199 May 29 20:37 13199 Jun 04 15:33 13199 Jun 14 09:53 13199 Jun 16 09:26 13199 Jun 27 06:10 13199 Jul 02 15:06 13199 Jul 02 15:53 13199 Jul 03 21:27 13199 Jul 08 01:07 13199 Jul 14 00:19 13199 Jul 17 13:49 13199 Jul 17 13:49 13199 Jul 26 06:56 13199 Aug 04 09:02 13199 Aug 04 09:05 13199 Aug 31 06:21 13199 Sep 03 21:32	28° 825'31 0° II 18° II 38'58 0° 9 8° 943'07 21° 959'15 24° 907'43 28° 910'13 26° 951'38 20° 955'19 19° 917'35 14° 934'12 11° 957'28 12° 944'05 19° 918'52 0° \$\Omega\$ 0° ID	1.45666 AU -0.7m 19°29'56 3°09'48 3°08'46 0.67298 AU	minimum elong max. Earth dist. evening rise  evening max el asc. node retrograde evening set inferior conj minimum elong min. Earth dist.  morning rise direct desc. node	13200 Apr 15 04:59 13200 Apr 21 04:45 13200 Apr 30 22:14 13200 May 02 05:11 13200 May 22 19:03 13200 May 29 11:20 13200 May 31 06:58 13200 Jun 06 12:53 13200 Jun 10 14:59 13200 Jun 15 21:21 13200 Jun 15 21:05 13200 Jun 16 13:44 13200 Jun 17 16:24 13200 Jun 18 16:24 13200 Jun 19 16:24 13200 Jun 26 14:25 13200 Jun 26 14:25 13200 Jul 03 11:02 13200 Jul 04 17:15 13200 Jul 07 17:02	3°813'44 12°851'58 28°801'39 0°II 0°9 7°955'44 9°937'24 12°934'45 10°959'30 4°953'27 4°954'20 3°957'07 30°RII 28°II33'06 26°II08'00 28°II59'43 0°9 2°947'09	1°05'42 1.44822 AU 20°30'55 3°12'32 3°11'31 0.68293 AU
evening rise  greatest brilliancy asc. node evening max el retrograde evening set inferior conj minimum elong min. Earth dist. morning rise direct desc. node morning max el	13199 May 09 10:18 13199 May 10 10:28 13199 May 22 11:07 13199 May 29 20:37 13199 Jun 04 15:33 13199 Jun 14 09:53 13199 Jun 23 13:59 13199 Jun 27 06:10 13199 Jul 02 15:06 13199 Jul 02 15:53 13199 Jul 03 21:27 13199 Jul 08 01:07 13199 Jul 14 00:19 13199 Jul 17 13:49 13199 Jul 26 06:56 13199 Aug 04 09:02 13199 Aug 24 09:05 13199 Aug 31 06:21	28° 825'31 0° II 18° II 38'58 0° 9 8° 943'07 21° 959'15 24° 907'43 28° 910'13 26° 951'38 20° 955'19 19° 917'35 14° 934'12 11° 957'28 12° 944'05 19° 918'52 0° \$\Omega\$ 0° III 12° III 00'13	1.45666 AU -0.7m 19°29'56 3°09'48 3°08'46 0.67298 AU 25°30'52	minimum elong max. Earth dist. evening rise  evening max el asc. node retrograde evening set inferior conj minimum elong min. Earth dist.  morning rise direct desc. node  morning max el	13200 Apr 15 04:59 13200 Apr 21 04:45 13200 Apr 30 22:14 13200 May 02 05:11 13200 May 22 19:03 13200 May 29 11:20 13200 May 31 06:58 13200 Jun 06 12:53 13200 Jun 10 14:59 13200 Jun 15 21:21 13200 Jun 15 21:05 13200 Jun 16 13:44 13200 Jun 19 16:24 13200 Jun 21 02:54 13200 Jun 26 14:25 13200 Jun 26 14:25 13200 Jun 03 11:02 13200 Jul 04 17:15 13200 Jul 07 17:02 13200 Jul 28 11:15 13200 Aug 12 02:27 13200 Aug 15 19:23	3°813'44 12°851'58 28°801'39 0°Ⅲ 0°☞ 7°©55'44 9°©37'24 12°©34'45 10°©59'30 4°©53'27 4°©554'20 3°©57'07 30°RⅢ 28°Ⅲ33'06 26°ᡣ08'00 28°Ⅲ59'43 0°© 2°©47'09 0°Ω 23°Ω31'27 0°™	1°05'42 1.44822 AU 20°30'55 3°12'32 3°11'31 0.68293 AU 24°04'10
evening rise  greatest brilliancy asc. node evening max el retrograde evening set inferior conj minimum elong min. Earth dist. morning rise direct desc. node morning max el  morning set max. Earth dist.	13199 May 09 10:18 13199 May 10 10:28 13199 May 22 11:07 13199 May 29 20:37 13199 Jun 04 15:33 13199 Jun 14 09:53 13199 Jun 23 13:59 13199 Jun 27 06:10 13199 Jul 02 15:06 13199 Jul 02 15:53 13199 Jul 03 21:27 13199 Jul 08 01:07 13199 Jul 14 00:19 13199 Jul 17 13:49 13199 Jul 26 06:56 13199 Aug 04 09:02 13199 Aug 04 09:02 13199 Aug 31 06:21 13199 Sep 03 21:32 13199 Sep 09 17:05	28° 825'31 0° II 18° II 38'58 0° 9 8° 943'07 21° 959'15 24° 907'43 28° 910'13 26° 955'138 20° 955'19 19° 917'35 14° 934'12 11° 957'28 12° 944'05 19° 918'52 0° Ω 0° ID 12° ID 10' 13 18° ID 12° 10' 13 18° ID 12° 10' 13	1.45666 AU -0.7m 19°29'56 3°09'48 3°08'46 0.67298 AU 25°30'52	minimum elong max. Earth dist. evening rise  evening max el asc. node retrograde evening set inferior conj minimum elong min. Earth dist.  morning rise direct desc. node  morning max el	13200 Apr 15 04:59 13200 Apr 21 04:45 13200 Apr 30 22:14 13200 May 02 05:11 13200 May 22 19:03 13200 May 29 11:20 13200 May 31 06:58 13200 Jun 06 12:53 13200 Jun 10 14:59 13200 Jun 15 21:21 13200 Jun 15 21:05 13200 Jun 16 13:44 13200 Jun 19 16:24 13200 Jun 21 02:54 13200 Jun 26 14:25 13200 Jun 03 11:02 13200 Jul 04 17:15 13200 Jul 07 17:02 13200 Jul 28 11:15 13200 Aug 12 02:27	3°813'44 12°851'58 28°801'39 0°Ⅲ 0°☞ 7°©55'44 9°©37'24 12°©34'45 10°©59'30 4°©53'27 4°©554'20 3°©57'07 30°RⅢ 28°Ⅲ33'06 26°ᡣ08'00 28°Ⅲ59'43 0°© 2°©47'09 0°Ω 23°Ω31'27 0°™	1°05'42 1.44822 AU 20°30'55 3°12'32 3°11'31 0.68293 AU
evening rise  greatest brilliancy asc. node evening max el retrograde evening set inferior conj minimum elong min. Earth dist. morning rise direct desc. node morning max el  morning set max. Earth dist.	13199 May 09 10:18 13199 May 10 10:28 13199 May 22 11:07 13199 May 29 20:37 13199 Jun 04 15:33 13199 Jun 14 09:53 13199 Jun 23 13:59 13199 Jun 27 06:10 13199 Jul 02 15:06 13199 Jul 02 15:53 13199 Jul 03 21:27 13199 Jul 08 01:07 13199 Jul 14 00:19 13199 Jul 17 13:49 13199 Jul 26 06:56 13199 Aug 04 09:02 13199 Aug 04 09:02 13199 Aug 31 06:21 13199 Sep 03 21:32 13199 Sep 09 17:05	28° 825'31 0° II 18° II 38'58 0° 9 8° 943'07 21° 959'15 24° 907'43 28° 910'13 26° 955'38 20° 955'19 19° 917'35 14° 934'12 11° 957'28 12° 944'05 19° 918'52 0° \$\Omega\$ 0° II	1.45666 AU -0.7m 19°29'56 3°09'48 3°08'46 0.67298 AU 25°30'52 1.36058 AU -0°04'09	minimum elong max. Earth dist. evening rise  evening max el asc. node retrograde evening set inferior conj minimum elong min. Earth dist.  morning rise direct desc. node  morning max el morning set	13200 Apr 15 04:59 13200 Apr 21 04:45 13200 Apr 30 22:14 13200 May 02 05:11 13200 May 22 19:03 13200 May 29 11:20 13200 May 31 06:58 13200 Jun 06 12:53 13200 Jun 10 14:59 13200 Jun 15 21:21 13200 Jun 15 21:05 13200 Jun 16 13:44 13200 Jun 17 16:24 13200 Jun 18 18:25 13200 Aug 18 18:15 13200 Aug 18 18:23 13200 Aug 18 19:23	3°813'44 12°851'58 28°801'39 0°II 0°© 7°©55'44 9°©37'24 12°©34'45 10°©59'30 4°©53'27 4°©54'20 3°©57'07 30°RII 28°II33'06 26°II08'00 28°II59'43 0°© 2°©47'09 0°Ω 23°Ω31'27 0°IN 00'07	1°05'42 1.44822 AU 20°30'55 3°12'32 3°11'31 0.68293 AU 24°04'10
evening rise  greatest brilliancy asc. node evening max el retrograde evening set inferior conj minimum elong min. Earth dist. morning rise direct desc. node morning max el  morning set max. Earth dist.	13199 May 09 10:18 13199 May 10 10:28 13199 May 22 11:07 13199 May 29 20:37 13199 Jun 04 15:33 13199 Jun 14 09:53 13199 Jun 23 13:59 13199 Jun 27 06:10 13199 Jul 02 15:06 13199 Jul 02 15:53 13199 Jul 03 21:27 13199 Jul 08 01:07 13199 Jul 14 00:19 13199 Jul 17 13:49 13199 Jul 26 06:56 13199 Aug 04 09:02 13199 Aug 04 09:02 13199 Aug 31 06:21 13199 Sep 03 21:32 13199 Sep 09 17:05	28° 825'31 0° II 18° II 38'58 0° 9 8° 943'07 21° 959'15 24° 907'43 28° 910'13 26° 955'138 20° 955'19 19° 917'35 14° 934'12 11° 957'28 12° 944'05 19° 918'52 0° Ω 0° III 12° III 00'13 18° III 42'43 0° 9 0° 936'34 0° 937'51	1.45666 AU -0.7m 19°29'56 3°09'48 3°08'46 0.67298 AU 25°30'52 1.36058 AU -0°04'09	minimum elong max. Earth dist. evening rise  evening max el asc. node retrograde evening set inferior conj minimum elong min. Earth dist.  morning rise direct desc. node  morning max el morning set inferior conj set inferior conj set inferior conj minimum elong min. Earth dist.	13200 Apr 15 04:59 13200 Apr 21 04:45 13200 Apr 30 22:14 13200 May 02 05:11 13200 May 22 19:03 13200 May 29 11:20 13200 May 31 06:58 13200 Jun 06 12:53 13200 Jun 10 14:59 13200 Jun 15 21:21 13200 Jun 15 21:05 13200 Jun 16 13:44 13200 Jun 19 16:24 13200 Jun 21 02:54 13200 Jun 21 02:54 13200 Jun 26 14:25 13200 Jun 27 17:02 13200 Jul 04 17:15 13200 Jul 07 17:02 13200 Jul 28 11:15 13200 Aug 15 19:23 13200 Aug 15 19:23 13200 Aug 15 19:24	3°813'44 12°851'58 28°801'39 0°II 0°9 7°9555'44 9°937'24 12°934'45 10°959'30 4°953'27 4°954'20 3°957'07 30°RII 28°II33'06 26°I08'00 28°II59'43 0°9 2°947'09 0°Ω 23°Ω31'27 0°IQ 0°IQ00'07	1°05'42 1.44822 AU 20°30'55 3°12'32 3°11'31 0.68293 AU 24°04'10 1.38325 AU -0°37'54
evening rise  greatest brilliancy asc. node evening max el retrograde evening set inferior conj minimum elong min. Earth dist. morning rise direct desc. node morning max el  morning set max. Earth dist.	13199 May 09 10:18 13199 May 10 10:28 13199 May 22 11:07 13199 May 29 20:37 13199 Jun 04 15:33 13199 Jun 14 09:53 13199 Jun 23 13:59 13199 Jun 27 06:10 13199 Jul 02 15:06 13199 Jul 02 15:53 13199 Jul 03 21:27 13199 Jul 08 01:07 13199 Jul 14 00:19 13199 Jul 17 13:49 13199 Jul 26 06:56 13199 Aug 04 09:02 13199 Aug 04 09:02 13199 Aug 24 09:05 13199 Aug 31 06:21 13199 Sep 03 21:32 13199 Sep 09 17:05	28° 825'31 0° II 18° II 38'58 0° 9 8° 943'07 21° 959'15 24° 907'43 28° 910'13 26° 955'19 19° 917'35 14° 934'12 11° 957'28 12° 944'05 19° 918'52 0° Ω 0° ID 12° ID 00'13 18° ID 42'43 0° 9 0° 936'34 0° 937'51 0° 907'22	1.45666 AU -0.7m 19°29'56 3°09'48 3°08'46 0.67298 AU 25°30'52 1.36058 AU -0°04'09	minimum elong max. Earth dist. evening rise  evening max el asc. node retrograde evening set inferior conj minimum elong min. Earth dist.  morning rise direct desc. node  morning max el morning set inferior conj minimum elong min. Earth dist.	13200 Apr 15 04:59 13200 Apr 21 04:45 13200 Apr 30 22:14 13200 May 02 05:11 13200 May 22 19:03 13200 May 29 11:20 13200 May 31 06:58 13200 Jun 06 12:53 13200 Jun 10 14:59 13200 Jun 15 21:21 13200 Jun 15 21:05 13200 Jun 16 13:44 13200 Jun 19 16:24 13200 Jun 21 02:54 13200 Jun 26 14:25 13200 Jun 27 17:02 13200 Jul 04 17:15 13200 Jul 07 17:02 13200 Jul 28 11:15 13200 Aug 12 02:27 13200 Aug 15 19:23 13200 Aug 15 19:23 13200 Aug 23 03:42 13200 Aug 23 03:42 13200 Aug 23 06:21	3° 813'44 12° 851'58 28° 801'39 0° II 0° 95 7° 955'44 9° 937'24 12° 934'45 10° 959'30 4° 953'27 4° 954'20 3° 957'07 30° R II 28° II 33'06 26° II 08'00 28° II 59'43 0° 96 2° 947'09 0° II 23° II 31'27 0° III 28° II 31'42 13° III 31'42 13° III 31'42 13° III 31'42	1°05'42 1.44822 AU 20°30'55 3°12'32 3°11'31 0.68293 AU 24°04'10 1.38325 AU -0°37'54
evening rise  greatest brilliancy asc. node evening max el retrograde evening set inferior conj minimum elong min. Earth dist. morning rise direct desc. node morning max el  morning set max. Earth dist.	13199 May 09 10:18 13199 May 10 10:28 13199 May 22 11:07 13199 May 29 20:37 13199 Jun 04 15:33 13199 Jun 14 09:53 13199 Jun 23 13:59 13199 Jun 27 06:10 13199 Jul 02 15:06 13199 Jul 02 15:53 13199 Jul 03 21:27 13199 Jul 03 21:27 13199 Jul 14 00:19 13199 Jul 17 13:49 13199 Jul 17 13:49 13199 Jul 26 06:56 13199 Aug 04 09:02 13199 Aug 04 09:02 13199 Aug 24 09:05 13199 Aug 31 06:21 13199 Sep 03 21:32 13199 Sep 09 17:05	28° 825'31 0° II 18° II 38'58 0° 9 8° 943'07 21° 959'15 24° 907'43 28° 910'13 26° 951'38 20° 957'55 20° 955'19 19° 917'35 14° 934'12 11° 957'28 12° 944'05 19° 918'52 0° Ω 0° ID 12° ID 00'13 18° ID 42'43 0° Ω 0° Ω 36'34 0° Ω 37'51 0° Ω 07'22 1° Ω 08'23	1.45666 AU -0.7m 19°29'56 3°09'48 3°08'46 0.67298 AU 25°30'52 1.36058 AU -0°04'09	minimum elong max. Earth dist. evening rise  evening max el asc. node retrograde evening set inferior conj minimum elong min. Earth dist.  morning rise direct desc. node  morning max el morning set inferior conj set inferior conj set inferior conj minimum elong min. Earth dist.	13200 Apr 15 04:59 13200 Apr 21 04:45 13200 Apr 30 22:14 13200 May 02 05:11 13200 May 22 19:03 13200 May 29 11:20 13200 May 31 06:58 13200 Jun 06 12:53 13200 Jun 10 14:59 13200 Jun 15 21:21 13200 Jun 15 21:05 13200 Jun 16 13:44 13200 Jun 16 13:44 13200 Jun 21 02:54 13200 Jun 21 02:54 13200 Jun 26 14:25 13200 Jun 27 17:02 13200 Jul 04 17:15 13200 Jul 07 17:02 13200 Jul 28 11:15 13200 Aug 12 02:27 13200 Aug 15 19:23 13200 Aug 15 19:23 13200 Aug 23 03:42 13200 Aug 23 03:42 13200 Aug 23 06:21 13200 Aug 27 07:31	3°813'44 12°851'58 28°801'39 0°II 0°9 7°955'44 9°937'24 12°934'45 10°959'30 4°953'27 4°954'20 3°957'07 30°RII 28°II33'06 26°II08'00 28°II59'43 0°9 2°947'09 0°Ω 23°Ω31'27 0°ID 0°ID 0°ID 13°ID 15°ID	1°05'42 1.44822 AU 20°30'55 3°12'32 3°11'31 0.68293 AU 24°04'10 1.38325 AU -0°37'54
evening rise  greatest brilliancy asc. node evening max el retrograde evening set inferior conj minimum elong min. Earth dist. morning rise direct desc. node morning max el  morning set max. Earth dist.  superior conj minimum elong behind sun begin behind sun end asc. node	13199 May 09 10:18 13199 May 10 10:28 13199 May 22 11:07 13199 May 29 20:37 13199 Jun 04 15:33 13199 Jun 14 09:53 13199 Jun 23 13:59 13199 Jun 27 06:10 13199 Jul 02 15:06 13199 Jul 02 15:53 13199 Jul 03 21:27 13199 Jul 08 01:07 13199 Jul 14 00:19 13199 Jul 17 13:49 13199 Jul 26 06:56 13199 Aug 04 09:02 13199 Aug 04 09:02 13199 Aug 24 09:05 13199 Aug 31 06:21 13199 Sep 03 21:32 13199 Sep 09 17:05  13199 Sep 10 00:24 13199 Sep 10 00:24 13199 Sep 10 00:45 13199 Sep 10 06:45 13199 Sep 10 06:45 13199 Sep 10 06:45	28° 825'31 0° II 18° II 38'58 0° 9 8° 943'07 21° 959'15 24° 907'43 28° 910'13 26° 951'38 20° 955'19 19° 917'35 14° 934'12 11° 957'28 12° 944'05 19° 918'52 0° Ω 0° ID 12° ID 00'13 18° ID 42'43 0° 9 0° 937'51 0° 907'22 1° 908'23 1° 929'27	1.45666 AU -0.7m 19°29'56 3°09'48 3°08'46 0.67298 AU 25°30'52 1.36058 AU -0°04'09	minimum elong max. Earth dist. evening rise  evening rise  evening max el asc. node retrograde evening set inferior conj minimum elong min. Earth dist.  morning rise direct desc. node  morning max el morning set inferior conj minimum elong asc. node	13200 Apr 15 04:59 13200 Apr 21 04:45 13200 Apr 30 22:14 13200 May 02 05:11 13200 May 22 19:03 13200 May 29 11:20 13200 May 31 06:58 13200 Jun 06 12:53 13200 Jun 10 14:59 13200 Jun 15 21:21 13200 Jun 15 21:05 13200 Jun 16 13:44 13200 Jun 19 16:24 13200 Jun 21 02:54 13200 Jun 26 14:25 13200 Jun 27 17:02 13200 Jul 03 11:02 13200 Jul 04 17:15 13200 Jul 07 17:02 13200 Jul 28 11:15 13200 Aug 12 02:27 13200 Aug 15 19:23 13200 Aug 15 19:24  13200 Aug 23 03:42 13200 Aug 23 06:21 13200 Aug 27 07:31 13200 Aug 31 14:16	3°813'44 12°851'58 28°801'39 0°II 0°9 7°955'44 9°937'24 12°934'45 10°959'30 4°953'27 4°954'20 3°957'07 30°RII 28°II33'06 26°II08'00 28°II59'43 0°9 2°947'09 0°Ω 23°Ω31'27 0°ID 0°ID 13°ID 13°ID 13°ID 13°ID 13°ID 13°ID 142 13°ID 13°ID 13°ID 13°ID 13°ID 13'ID 13°ID 1	1°05'42 1.44822 AU 20°30'55 3°12'32 3°11'31 0.68293 AU 24°04'10 1.38325 AU -0°37'54
evening rise  greatest brilliancy asc. node evening max el retrograde evening set inferior conj minimum elong min. Earth dist. morning rise direct desc. node morning max el  morning set max. Earth dist.	13199 May 09 10:18 13199 May 10 10:28 13199 May 22 11:07 13199 May 29 20:37 13199 Jun 04 15:33 13199 Jun 14 09:53 13199 Jun 23 13:59 13199 Jun 27 06:10 13199 Jul 02 15:06 13199 Jul 02 15:53 13199 Jul 03 21:27 13199 Jul 03 21:27 13199 Jul 14 00:19 13199 Jul 17 13:49 13199 Jul 26 06:56 13199 Aug 04 09:02 13199 Aug 04 09:02 13199 Aug 24 09:05 13199 Aug 31 06:21 13199 Sep 03 21:32 13199 Sep 09 17:05 13199 Sep 10 00:24 13199 Sep 10 00:39 13199 Sep 10 00:45 13199 Sep 10 06:45 13199 Sep 10 10:57 13199 Sep 10 10:57 13199 Sep 10 10:57	28° 825'31 0° II 18° II 38'58 0° 9 8° 943'07 21° 959'15 24° 907'43 28° 910'13 26° 951'38 20° 955'19 19° 917'35 14° 934'12 11° 957'28 12° 944'05 19° 918'52 0° Ω 0° ID 12° ID 00'13 18° ID 42'43 0° 9 0° 937'51 0° 907'22 1° 908'23 1° 929'27 16° 953'19	1.45666 AU -0.7m 19°29'56 3°09'48 3°08'46 0.67298 AU 25°30'52 1.36058 AU -0°04'09	minimum elong max. Earth dist. evening rise  evening max el asc. node retrograde evening set inferior conj minimum elong min. Earth dist.  morning rise direct desc. node  morning max el morning set inferior conj minimum elong elong asc. node  evening rise direct desc. node	13200 Apr 15 04:59 13200 Apr 21 04:45 13200 Apr 30 22:14 13200 May 02 05:11 13200 May 22 19:03 13200 May 29 11:20 13200 May 31 06:58 13200 Jun 06 12:53 13200 Jun 10 14:59 13200 Jun 15 21:21 13200 Jun 15 21:05 13200 Jun 16 13:44 13200 Jun 19 16:24 13200 Jun 21 02:54 13200 Jun 26 14:25 13200 Jun 27 17:02 13200 Jul 03 11:02 13200 Jul 04 17:15 13200 Jul 07 17:02 13200 Jul 28 11:15 13200 Aug 12 02:27 13200 Aug 15 19:23 13200 Aug 15 19:24  13200 Aug 23 03:42 13200 Aug 23 03:42 13200 Aug 27 07:31 13200 Aug 31 14:16 13200 Sep 01 00:34	3°813'44 12°851'58 28°801'39 0°II 0°S 7°S55'44 9°S37'24 12°S34'45 10°S59'30 4°S53'27 4°S54'20 3°S57'07 30°RII 28°I33'06 26°I08'00 28°I59'43 0°S 2°S47'09 0°Ω 23°Ω31'27 0°ID 0°ID 13°ID 13°ID 13°ID 142 13°ID 142 13°ID 144'19 21°ID 21°ID 21°ID 21'21 0°Ω	1°05'42 1.44822 AU 20°30'55 3°12'32 3°11'31 0.68293 AU 24°04'10 1.38325 AU -0°37'54 0°37'49
evening rise  greatest brilliancy asc. node evening max el retrograde evening set inferior conj minimum elong min. Earth dist. morning rise direct desc. node morning max el  morning set max. Earth dist.  superior conj minimum elong behind sun begin behind sun end asc. node	13199 May 09 10:18 13199 May 10 10:28 13199 May 22 11:07 13199 May 29 20:37 13199 Jun 04 15:33 13199 Jun 14 09:53 13199 Jun 23 13:59 13199 Jun 27 06:10 13199 Jul 02 15:06 13199 Jul 02 15:53 13199 Jul 03 21:27 13199 Jul 08 01:07 13199 Jul 14 00:19 13199 Jul 17 13:49 13199 Jul 26 06:56 13199 Aug 04 09:02 13199 Aug 04 09:02 13199 Aug 24 09:05 13199 Aug 31 06:21 13199 Sep 03 21:32 13199 Sep 09 17:05  13199 Sep 10 00:24 13199 Sep 10 00:24 13199 Sep 10 00:45 13199 Sep 10 06:45 13199 Sep 10 06:45 13199 Sep 10 06:45	28° 825'31 0° II 18° II 38'58 0° 9 8° 943'07 21° 959'15 24° 907'43 28° 910'13 26° 951'38 20° 955'19 19° 917'35 14° 934'12 11° 957'28 12° 944'05 19° 918'52 0° Ω 0° ID 12° ID 00'13 18° ID 42'43 0° 9 0° 937'51 0° 907'22 1° 908'23 1° 929'27	1.45666 AU -0.7m 19°29'56 3°09'48 3°08'46 0.67298 AU 25°30'52 1.36058 AU -0°04'09 0°04'12	minimum elong max. Earth dist. evening rise  evening rise  evening max el asc. node retrograde evening set inferior conj minimum elong min. Earth dist.  morning rise direct desc. node  morning max el morning set inferior conj minimum elong asc. node	13200 Apr 15 04:59 13200 Apr 21 04:45 13200 Apr 30 22:14 13200 May 02 05:11 13200 May 22 19:03 13200 May 29 11:20 13200 May 31 06:58 13200 Jun 06 12:53 13200 Jun 10 14:59 13200 Jun 15 21:21 13200 Jun 15 21:05 13200 Jun 16 13:44 13200 Jun 19 16:24 13200 Jun 21 02:54 13200 Jun 26 14:25 13200 Jun 27 17:02 13200 Jul 03 11:02 13200 Jul 04 17:15 13200 Jul 07 17:02 13200 Jul 28 11:15 13200 Aug 12 02:27 13200 Aug 15 19:23 13200 Aug 15 19:24  13200 Aug 23 03:42 13200 Aug 23 06:21 13200 Aug 27 07:31 13200 Aug 31 14:16	3°813'44 12°851'58 28°801'39 0°II 0°9 7°955'44 9°937'24 12°934'45 10°959'30 4°953'27 4°954'20 3°957'07 30°RII 28°II33'06 26°II08'00 28°II59'43 0°9 2°947'09 0°Ω 23°Ω31'27 0°ID 0°ID 13°ID 13°ID 13°ID 13°ID 13°ID 13°ID 142 13°ID 13°ID 13°ID 13°ID 13°ID 13'ID 13°ID 1	1°05'42 1.44822 AU 20°30'55 3°12'32 3°11'31 0.68293 AU 24°04'10 1.38325 AU -0°37'54

retrograde	13200 Sep 26 06:07	2°M03'59		evening max el	13201 Aug 31 15:02	9° <b>≏</b> 59'36	18°22'42
evening set	13200 Sep 28 02:50	1°M52'58		retrograde	13201 Sep 08 04:29	13° <b>≏</b> 49'05	
desc. node	13200 Sep 29 07:36	1°M34'50		evening set	13201 Sep 10 06:11	13° <b>≏</b> 32'37	
	13200 Oct 02 19:54	30° <b>₹</b> Ω		desc. node	13201 Sep 16 05:08	10° <b>≙</b> 15'14	
inferior conj	13200 Oct 06 11:51	27° <b>≏</b> 37'47		inferior conj	13201 Sep 17 20:52	8° <b>≏</b> 56'28	
minimum elong	13200 Oct 06 06:04	27° <b>≏</b> 47'49	2°13'14	minimum elong	13201 Sep 17 19:41	8° <b>≏</b> 58'51	0°30'39
min. Earth dist.	13200 Oct 09 09:03	25° <b>≏</b> 38'28	0.56310 AU	min. Earth dist.	13201 Sep 21 03:52	6° <b>≏</b> 17'19	0.58262 AU
morning rise	13200 Oct 14 06:19	22° <b>£</b> 52'52		morning rise	13201 Sep 25 05:43	3° <b>≏</b> 34'45	
direct	13200 Oct 19 20:36	21° <b>≏</b> 39'18		direct	13201 Oct 01 10:49	1° <b>≏</b> 54'04	
morning max el	13200 Nov 03 00:14	28° <b>≏</b> 54'32	26°00'01	morning max el	13201 Oct 15 18:25	9° <b>≏</b> 31'57	27°15'06
	13200 Nov 04 02:46	0°M₊			13201 Oct 31 10:33	0° <b>M</b> ₊	
asc. node	13200 Nov 23 09:10	28°M06'08		asc. node	13201 Nov 10 05:59	17°M29'48	
	13200 Nov 24 09:12	0° <b>∡</b> ¹		morning set	13201 Nov 15 09:30	28°ML02'11	
morning set	13200 Dec 01 00:53	13° <b>∡</b> ³34′00			13201 Nov 16 07:31	0° <b>∡</b> ¹	
		_				_	
superior conj	13200 Dec 07 19:39	28° <b>∡</b> ³30′10	1°37'43	superior conj	13201 Nov 22 07:17	13° <b>∡</b> 12'54	1°32'10
minimum elong	13200 Dec 07 19:10	28° <b>∡</b> ¹27'26	1°38'43	minimum elong	13201 Nov 22 05:51	13° <b>∡</b> ¹04'56	1°32'59
	13200 Dec 08 11:50	0° <b>ට</b>		max. Earth dist.	13201 Nov 22 05:22	13° <b>∡</b> 02'11	1.31243 AU
max. Earth dist.	13200 Dec 08 20:57	0° <b>る</b> 50'28	1.31636 AU	evening rise	13201 Nov 29 01:49	28° <b>∡</b> ¹07'31	
evening rise	13200 Dec 14 20:11	13° <b>る</b> 44'48			13201 Nov 29 23:01	0°ಕ	
	13200 Dec 23 03:11	0° <b>≈</b>		desc. node	13201 Dec 13 02:17	24° <b>る</b> 38'57	
desc. node	13200 Dec 26 05:18	5° <b>≈</b> 27'48			13201 Dec 16 12:40	0° <b>≈</b>	
	13201 Jan 12 11:53	0° <b>)</b> €		evening max el	13201 Dec 29 00:06	15° <b>≈</b> 21'50	26°46'36
evening max el	13201 Jan 15 21:12	3° <b>∺</b> 28'41	27°26'20	retrograde	13202 Jan 11 22:56	22° <b>≈</b> 31′00	
retrograde	13201 Jan 29 19:29	10° <b>)</b> 47′37		evening set	13202 Jan 18 14:37	20° <b>≈</b> 40′10	
evening set	13201 Feb 05 17:10	8° <b>)</b> 35′02		min. Earth dist.	13202 Jan 22 14:06	18° <b>≈</b> 02′10	0.59365 AU
min. Earth dist.	13201 Feb 09 11:27	5° <b>)</b> 42′39	0.61537 AU	inferior conj	13202 Jan 25 18:24	15° <b>≈</b> 32'15	-3°34'28
inferior conj	13201 Feb 12 12:51	2° <b>升</b> 57′02	-2°11'50	minimum elong	13202 Jan 26 01:58	15° <b>≈</b> 17'18	3°31'05
minimum elong	13201 Feb 12 17:28	2° <b>)</b> 46′33	2°09'26	morning rise	13202 Feb 02 16:19	10° <b>≈</b> 53'40	
	13201 Feb 16 01:12	30° <b>R</b> ≈		direct	13202 Feb 04 17:30	10° <b>≈</b> 38′18	
asc. node	13201 Feb 19 07:24	28° <b>≈</b> 09'00		asc. node	13202 Feb 06 04:48	10° <b>≈</b> 46'32	
morning rise	13201 Feb 19 20:41	27° <b>≈</b> 57'37		morning max el	13202 Feb 12 11:02	14° <b>≈</b> 28′17	18°13'03
direct	13201 Feb 22 00:34	27° <b>≈</b> 37'27			13202 Feb 23 01:43	0° <b>)</b> €	
	13201 Feb 27 16:54	0° <b>∀</b>		morning set	13202 Feb 28 03:10	9° <b>)</b> 22′25	
morning max el	13201 Feb 28 22:41	1° <b>)</b> 07′09	17°50'32	C			
morning set	13201 Mar 16 15:03	25° <b>)</b> 30′27		superior conj	13202 Mar 09 16:38	27° <b>₩</b> 08'19	0°11'35
C	13201 Mar 19 03:07	$0^{\circ}\mathbf{\Upsilon}$		minimum elong	13202 Mar 09 17:31	27° <b>¥</b> 12'18	0°11'35
desc. node	13201 Mar 24 07:00	9° <b>Ƴ</b> 08'40		behind sun begin	13202 Mar 09 12:19	26° <b>)</b> 48'49	
				behind sun end	13202 Mar 09 22:43	27° <b>)</b> 35′46	
superior conj	13201 Mar 27 14:37	14° <b>Ƴ</b> 52'42	-0°25'49	desc. node	13202 Mar 11 03:33	29° <b>)</b> 44′51	
minimum elong	13201 Mar 27 12:13	14° <b>Ƴ</b> 42'27			13202 Mar 11 06:57	$0^{\circ}$ $\Upsilon$	
max. Earth dist.	13201 Apr 03 20:10	26° <b>Y</b> 56'38	1.43344 AU	max. Earth dist.	13202 Mar 17 07:23	10° <b>Y</b> 26'44	1.41384 AU
	13201 Apr 05 17:29	0°8		evening rise	13202 Mar 22 02:41	18° <b>Ƴ</b> 24'30	
evening rise	13201 Apr 10 15:40	7° <b>8</b> 48'27		C	13202 Mar 29 10:54	0°8	
S	13201 Apr 25 10:22	0° <b>I</b> I			13202 Apr 19 22:59	0°II	
evening max el	13201 May 12 07:43	21° <b>Ⅱ</b> 44'35	21°43'32	evening max el	13202 Apr 24 23:51	5° <b>Ⅱ</b> 34'57	23°03'03
asc. node	13201 May 18 04:09	26° <b>Ⅱ</b> 16'07		retrograde	13202 May 05 07:16	11° <b>Ⅱ</b> 39'27	
retrograde	13201 May 21 11:06	27° <b>I</b> 106'02		asc. node	13202 May 05 01:25	11° <b>Ⅱ</b> 39'11	
evening set	13201 May 25 23:56	25° <b>Ⅱ</b> 14'35		evening set	13202 May 10 07:28	9° <b>Ⅱ</b> 33'06	
inferior conj	13201 May 31 06:14	18° <b>Ⅱ</b> 57'55	3°04'00	inferior conj	13202 May 15 15:49	3° <b>Ⅱ</b> 08′08	2°45'08
minimum elong	13201 May 31 05:04	19° <b>Ⅱ</b> 01'59	3°02'55	minimum elong	13202 May 15 13:59	3° <b>Ⅱ</b> 14'28	2°43'55
min. Earth dist.	13201 May 31 09:17	18° <b>Ⅱ</b> 47'16	0.68819 AU	min. Earth dist.	13202 May 15 06:02	3° <b>Ⅱ</b> 41'58	0.68869 AU
morning rise	13201 Jun 05 09:59	12° <b>Ⅱ</b> 43'06			13202 May 18 00:05	30°R <b>∀</b>	
direct	13201 Jun 10 08:49	10° <b>Ⅲ</b> 35'14		morning rise	13202 May 20 20:24	27° <b>8</b> 00'15	
morning max el	13201 Jun 20 04:21	16° <b>Ⅲ</b> 22'46	22°34'38	direct	13202 May 25 06:20	25° <b>8</b> 12'41	
desc. node	13201 Jun 20 08:10	16° <b>Ⅲ</b> 32'24			13202 Jun 02 16:34	0°II	
	13201 Jul 01 08:46	0°ಅ		morning max el	13202 Jun 02 20:12		21°10'35
	13201 Jul 21 11:50	0°N		desc. node	13202 Jun 07 05:11	5° <b>Ⅱ</b> 01'55	
morning set	13201 Jul 23 22:50	3° <b>£</b> 58′39			13202 Jun 25 01:33	0°9	
max. Earth dist.	13201 Jul 28 18:30	11° <b>Ω</b> 59'27	1.40668 AU	morning set	13202 Jul 03 18:22	13° <b>5</b> 21'15	
	-520.741 20 10.50	1. 000721		max. Earth dist.	13202 Jul 10 23:34	24°953'24	1.42799 AU
superior conj	13201 Aug 05 14:36	25° <b>Ω</b> 41'00	-1°12'44	Durin dist.	13202 Jul 14 02:05	0°Ω	
minimum elong	13201 Aug 05 14:30 13201 Aug 05 20:00	26° <b>Ω</b> 05'19			15202 941 17 02.03	~ UL	
	13201 Aug 03 20:00 13201 Aug 07 23:37	0° <b>m</b> )	1 12 30	superior conj	13202 Jul 18 04:43	6° <b>Ω</b> 55'01	-1°44'30
asc. node	13201 Aug 07 25:57 13201 Aug 14 04:07	11° <b>m</b> ) 32'04		minimum elong	13202 Jul 18 04:43	7° <b>Ω</b> 25'24	
evening rise	13201 Aug 14 04.07	14° <b>m</b> <sub>2</sub> 32'04'		evening rise	13202 Jul 29 18:12	27°Ω15'29	
- 1 - 11111	13201 Aug 13 10:02 13201 Aug 24 07:09	0° <b>⊽</b>		- , ching 1150	13202 Jul 31 06:52	0° m	
	13201 1145 2-7 01.09	~ <b>—</b>			15202 001 51 00.52	עויי	

asa nada	12202 Aug 01 00:49	1 ° m, 20120			13203 Jul 24 16:14	0° m)	
asc. node	13202 Aug 01 00:48	1° My 20'20	10004141			~	10005147
evening max el	13202 Aug 15 02:28	22° m 54'33	18°04'41	evening max el	13203 Jul 29 16:37	6° To 13'43	18°05'47
retrograde	13202 Aug 21 20:39	26° Mp 22'26		retrograde	13203 Aug 05 02:03	9° m/34'09	
evening set	13202 Aug 24 05:50	25° m 56'44		evening set	13203 Aug 07 19:27	8° <b>m</b> 56'04	
inferior conj	13202 Aug 31 02:39	21° Mp 00'09	0°54'04	inferior conj	13203 Aug 14 01:33	3° <b>m</b> 41'20	1°56'30
minimum elong	13202 Aug 31 04:15	20° <b>m</b> 56'21	0°53'14	minimum elong	13203 Aug 14 04:04	3° <b>m</b> 34'36	1°55'13
desc. node	13202 Sep 03 02:39	18° <b>m</b> )11'19		min. Earth dist.	13203 Aug 16 20:24	0° Mp 43′34	0.62767 AU
min. Earth dist.	13202 Sep 03 07:18	18° <b>m</b> 00'53	0.60510 AU		13203 Aug 17 13:44	$30^\circ$ R $\Omega$	
morning rise	13202 Sep 06 23:42	15° <b>m</b> 08'30		morning rise	13203 Aug 20 10:33	27° <b>Ω</b> 30′16	
direct	13202 Sep 13 13:31	13° <b>m</b> 01'27		desc. node	13203 Aug 21 00:09	27° <b>Ω</b> 06′11	
morning max el	13202 Sep 27 20:22	20° <b>m</b> 55'39	27°53'50	direct	13203 Aug 27 02:46	25° <b>Ω</b> 02'35	
	13202 Oct 05 17:15	0∘ <b>ত</b>			13203 Sep 06 19:44	0° <b>m</b> y	
	13202 Oct 24 10:24	o° <b>m</b> ₊		morning max el	13203 Sep 10 04:01	3° m 04'38	27°53'39
asc. node	13202 Oct 28 02:44	7°ML12'06		C	13203 Sep 30 04:43	0∘ <del>ত</del>	
morning set	13202 Oct 30 13:47	12°ML15'00		morning set	13203 Oct 14 11:35	26° <b>♀</b> 07'08	
max. Earth dist.	13202 Nov 05 13:13	25°ML09'05	1.31361 AU	asc. node	13203 Oct 14 23:24	27° <b>₽</b> 07'13	
Titali. Darui dibi.	132021107 05 13.13	20 11000 00	1.01001110	use. noue	13203 Oct 16 08:58	0°M	
superior conj	13202 Nov 06 18:19	27°M50'29	1°20'51	max. Earth dist.	13203 Oct 19 16:35		1.32004 AU
minimum elong	13202 Nov 06 16:15	27°M39'00	1°21'24	max. Earth dist.	13203 Oct 19 10.33	/ 11601 12	1.32004 AU
minimum clong		27 11€3900 0° <b>⊼</b> 1	1 21 24		12202 0-4 22 02.54	120 <b>M</b> 17142	1°03'55
	13202 Nov 07 17:36			superior conj	13203 Oct 22 02:54		
evening rise	13202 Nov 13 11:07	12° <b>∡</b> 37'55		minimum elong	13203 Oct 22 00:38	12°M05'17	1°04'10
	13202 Nov 22 02:19	0°ಕ		evening rise	13203 Oct 28 22:08	27°M11'06	
desc. node	13202 Nov 29 23:22	13° <b>る</b> 06'58			13203 Oct 30 05:44	0° <b>∡</b> 7	
evening max el	13202 Dec 10 18:33	26° <b>る</b> 21'39	25°34'02		13203 Nov 16 09:31	0°₹	
	13202 Dec 15 05:01	0° <b>≈</b>		desc. node	13203 Nov 16 20:34	0° <b>る</b> 35'40	
retrograde	13202 Dec 24 15:33	3° <b>≈</b> 21'12		evening max el	13203 Nov 22 05:53	6° <b>る</b> 38'20	23°58'35
evening set	13202 Dec 30 15:24	1° <b>≈</b> 58'36		retrograde	13203 Dec 05 19:55	13° <b>る</b> 24'33	
	13203 Jan 03 06:16	30°Ŗる		evening set	13203 Dec 10 16:29	12° <b>る</b> 33'00	
min. Earth dist.	13203 Jan 04 06:54	29° <b>පි</b> 20'11	0.57307 AU	min. Earth dist.	13203 Dec 16 16:55	9° <b>ප</b> 35'20	0.55645 AU
inferior conj	13203 Jan 07 04:22	27° <b>る</b> 21'49	-4°52'02	inferior conj	13203 Dec 18 17:46	8° <b>る</b> 21'43	-5°45'32
minimum elong	13203 Jan 07 13:02	27° <b>ට</b> 07'00	4°48'58	minimum elong	13203 Dec 18 22:38	8° <b>ට</b> 14'22	
morning rise	13203 Jan 15 13:16	23° <b>る</b> 05'42		morning rise	13203 Dec 27 06:41	4° <b>る</b> 25'03	2
direct	13203 Jan 17 16:59	23° <b>ろ</b> 51'37		direct	13203 Dec 27 00:41 13203 Dec 29 20:45	4°る08'03	
asc. node	13203 Jan 24 02:09	25°る04'28			13204 Jan 09 06:47	9°る07'23	20°02'41
		23 <b>3</b> 04 28 27° <b>る</b> 11'48	18°56'32	morning max el		9 <b>3</b> 07 23	20 02 41
morning max el	13203 Jan 26 15:01		18°56'32	asc. node	13204 Jan 10 23:25		
	13203 Jan 29 04:05	0° <b>≈</b>			13204 Jan 23 03:22	0° <b>≈</b>	
morning set	13203 Feb 12 01:37	23° <b>≈</b> 41'03		morning set	13204 Jan 27 06:57	8°≈16'28	
	13203 Feb 15 06:35	0° <b>∀</b>					
				superior conj	13204 Feb 04 00:23	24° <b>≈</b> 00′28	
superior conj	13203 Feb 20 13:25	10° <b>)</b> 15′08	0°42'54	minimum elong	13204 Feb 04 03:09	24° <b>≈</b> 14'17	1°07'25
minimum elong	13203 Feb 20 15:54	10° <b>∺</b> 26′59	0°42'57		13204 Feb 07 01:20	0° <b>∀</b>	
desc. node	13203 Feb 26 00:04	20° <b>∺</b> 21'17		max. Earth dist.	13204 Feb 09 20:48	5° <b>)</b> 22′39	1.36939 AU
max. Earth dist.	13203 Feb 27 14:23	23° <b>₭</b> 12'55	1.39163 AU	desc. node	13204 Feb 12 20:37	10° <b>) ₹</b> 54'45	
evening rise	13203 Mar 03 10:48	29° <b>¥</b> 55′22		evening rise	13204 Feb 13 14:52	12° <b>∺</b> 17'13	
	13203 Mar 03 11:53	$0$ ° $\Upsilon$			13204 Feb 24 02:07	$0^{\circ}\mathbf{\Upsilon}$	
	13203 Mar 22 19:46	$9^{\circ}$ 8			13204 Mar 16 23:15	0°B	
evening max el	13203 Apr 07 13:39	19° <b>8</b> 26'21	24°23'36	evening max el	13204 Mar 20 03:04	3° <b>8</b> 17'56	25°38'13
retrograde	13203 Apr 19 00:05	26° <b>8</b> 08'25		retrograde	13204 Apr 01 12:33	10° <b>8</b> 26'42	
asc. node	13203 Apr 21 22:47	25° <b>8</b> 29'46		evening set	13204 Apr 07 11:46	7° <b>8</b> 58'55	
evening set	13203 Apr 24 11:57	23° <b>8</b> 49'34		asc. node	13204 Apr 07 20:11	7° <b>8</b> 40'44	
min. Earth dist.	13203 Apr 29 01:53	18° <b>8</b> 34'30	0.68455 AU	min. Earth dist.	13204 Apr 11 18:43	3° <b>8</b> 19'13	0.67602 AU
inferior conj	13203 Apr 30 00:09	17° <b>8</b> 19'39	2°16'09	inferior conj	13204 Apr 13 05:20	1° <b>8</b> 28'38	1°36'53
minimum elong	13203 Apr 30 00.09	17° <b>8</b> 26'52		minimum elong	13204 Apr 13 03:21	1° <b>8</b> 34'59	
•	-	11° <b>8</b> 19'44	2 14 34	minimum clong	•	1 <b>O</b> 34 39 30° <b>R</b> Υ	1 33 40
morning rise	13203 May 05 08:12				13204 Apr 14 09:26	•	
direct	13203 May 09 05:39	9° <b>8</b> 53'11	10055110	morning rise	13204 Apr 18 19:28	25° <b>Y</b> 37'58	
morning max el	13203 May 16 19:00	14° <b>8</b> 06'33	19°57'48	direct	13204 Apr 22 05:22	24° <b>Y</b> 31'12	
desc. node	13203 May 25 02:04	24° <b>8</b> 12'14		morning max el	13204 Apr 29 01:16	28° <b>Y</b> 13'39	18°59'46
	13203 May 29 04:36	0°II			13204 Apr 30 17:43	0° <b>8</b>	
morning set	13203 Jun 12 21:05	22° <b>Ⅱ</b> 02'31		desc. node	13204 May 10 22:50	13° <b>8</b> 52'22	
	13203 Jun 18 00:24	$0$ $\circ$		greatest brilliancy	13204 May 12 07:58	15° <b>8</b> 56'42	-0.7m
max. Earth dist.	13203 Jun 23 10:58	8°533'52	1.44468 AU		13204 May 21 11:47	$\Pi$ $\circ 0$	
				morning set	13204 May 22 02:51	0° <b>Ⅱ</b> 58'20	
				-	-		
superior conj	13203 Jun 28 19:01	17° <b>5</b> 08'01	-2°07'00	max. Earth dist.	13204 Jun 05 03:25	22° <b>Ⅱ</b> 47'39	1.45508 AU
minimum elong	13203 Jun 28 19:01 13203 Jun 29 00:18	17° <b>©</b> 08'01 17° <b>©</b> 29'30		max. Earth dist.	13204 Jun 05 03:25	22° <b>Ц</b> 47'39	1.45508 AU
				max. Earth dist.	13204 Jun 05 03:25 13204 Jun 07 12:05	22°Щ47'39 26°Щ30'03	
minimum elong	13203 Jun 29 00:18 13203 Jul 06 13:55	17°\$29'30 0° <b>Ω</b>		superior conj	13204 Jun 07 12:05	26° <b>Ⅲ</b> 30'03	-2°13'13
	13203 Jun 29 00:18	17° <b>5</b> 29'30					-2°13'13

22°Y31'02

13206 Apr 13 15:58

greatest brilliancy

13205 Jun 13 07:33

16°950'34 -0.8m

morning set

desc. node	13206 Apr 14 16:05 13206 Apr 18 04:16	24° <b>Ƴ</b> 11'23 0° <b>႘</b>		superior conj minimum elong	13207 Apr 08 00:27 13207 Apr 07 19:34	25° <b>Υ</b> 38'14 25° <b>Υ</b> 17'58	
		• •			13207 Apr 10 15:59	0°8	
superior conj	13206 Apr 27 11:28	15° <b>8</b> 05'05		max. Earth dist.	13207 Apr 14 13:00	6° <b>8</b> 16'28	1.44261 AU
minimum elong	13206 Apr 27 02:49	14° <b>8</b> 30'31		evening rise	13207 Apr 22 22:10	19° <b>8</b> 26'16	
max. Earth dist.	13206 May 01 19:13	21° <b>႘</b> 55'49 0° <b>Ⅱ</b>	1.45390 AU		13207 Apr 29 20:56	0° <b>©</b>	
evening rise	13206 May 06 23:10 13206 May 13 10:07	0° <b>П</b> 9° <b>П</b> 57'27		evening max el	13207 May 21 19:12 13207 May 22 21:21	1°508'03	21°00'34
evening rise	13206 May 15 16:07 13206 May 26 16:51	0°99		asc. node	13207 May 26 09:25	4°910'15	21 00 34
greatest brilliancy	13206 May 28 03:11	2° <b>©</b> 05'31	-0.6m	retrograde	13207 May 31 09:26	6°904'57	
asc. node	13206 Jun 08 12:17	16°955'28	0.0111	evening set	13207 Jun 04 16:02	4°522'31	
evening max el	13206 Jun 08 21:59	17° <b>©</b> 20'10	19°54'16	<i>8</i>	13207 Jun 08 14:24	30° <b>Ŗ</b> Ⅱ	
retrograde	13206 Jun 16 10:31	21° <b>©</b> 36'49		inferior conj	13207 Jun 09 22:03	28° <b>Ⅱ</b> 11'27	3°10'15
evening set	13206 Jun 20 06:56	20°9510'54		minimum elong	13207 Jun 09 21:23	28° <b>Ⅱ</b> 13'46	3°09'12
inferior conj	13206 Jun 25 14:25	14° <b>©</b> 11'42	3°12'25	min. Earth dist.	13207 Jun 10 08:36	27° <b>Ⅲ</b> 34'49	0.68572 AU
minimum elong	13206 Jun 25 14:45	14° <b>©</b> 10'34	3°11'24	morning rise	13207 Jun 15 02:31	21° <b>Ⅱ</b> 53'14	
min. Earth dist.	13206 Jun 26 14:40	12° <b>©</b> 49'59	0.67776 AU	direct	13207 Jun 20 08:35	19° <b>Ⅱ</b> 35'13	
morning rise	13206 Jun 30 22:14	7° <b>5</b> 49'20		desc. node	13207 Jun 28 13:29	23° <b>Ⅱ</b> 39'11	
direct	13206 Jul 06 16:39	5° <b>©</b> 16'57		morning max el	13207 Jun 30 22:20	25° <b>Ⅱ</b> 53'15	23°25'58
desc. node	13206 Jul 11 16:17	6° <b>ॐ</b> 48'00			13207 Jul 04 16:34	0ංම	
morning max el	13206 Jul 18 11:50	12°5521'18	24°55'04		13207 Jul 26 04:58	0° <b>Ω</b>	
	13206 Aug 01 16:32	0° <b>N</b>		morning set	13207 Aug 04 18:32	15° <b>Ω</b> 26'20	
	13206 Aug 20 20:13	0° m/y		max. Earth dist.	13207 Aug 08 19:38	22° <b>Ω</b> 21'15	1.39326 AU
morning set	13206 Aug 23 08:02	4° Mp 21'20	1 27000 ATT		13207 Aug 13 03:05	0° <b>m</b>	
max. Earth dist.	13206 Aug 26 21:54	10° Mp 48'35	1.37000 AU	superior conj	13207 Aug 16 11:19	6° m 07'53	0.62145
superior conj	13206 Sep 02 14:29	23° mp 31'38	-0°18'07	minimum elong	13207 Aug 16 11:19 13207 Aug 16 15:08	6° Mp 25'40	
minimum elong	13206 Sep 02 14:29	23° m) 37'26		asc. node	13207 Aug 10 13:08 13207 Aug 22 09:43	17° m) 23'55	0 32 30
asc. node	13206 Sep 02 13:40 13206 Sep 04 13:07	27° my 21'52	0 1007	evening rise	13207 Aug 25 19:26	23° m 59'35	
use. Houe	13206 Sep 05 20:48	0° <b>⊽</b>		evening rise	13207 Aug 28 22:29	0∘ <b>⊽</b>	
evening rise	13206 Sep 10 22:14	10° <b>₽</b> 12'29		evening max el	13207 Sep 10 22:04	20° <b>ჲ</b> 08'35	18°42'08
	13206 Sep 21 14:54	0°M		retrograde	13207 Sep 19 04:00	24° <b>£</b> 17'29	
evening max el	13206 Sep 27 23:02	8°M12'01	19°32'34	evening set	13207 Sep 21 02:04	24° <b>≙</b> 04'47	
retrograde	13206 Oct 07 16:36	13°M03'46		desc. node	13207 Sep 24 10:11	22° <b>≏</b> 48'19	
desc. node	13206 Oct 07 12:40	13°M03'41		inferior conj	13207 Sep 29 03:32	19° <b>≏</b> 40'51	-1°29'46
evening set	13206 Oct 09 13:34	12°M53'45		minimum elong	13207 Sep 28 23:51	19° <b>≙</b> 47'41	1°28'02
inferior conj	13206 Oct 18 07:06	8°M48'20	-3°19'33	min. Earth dist.	13207 Oct 02 06:35	17° <b>≏</b> 22'25	0.57077 AU
minimum elong	13206 Oct 17 22:38	9° <b>M</b> 01'50	3°15'59	morning rise	13207 Oct 06 18:13	14° <b>≙</b> 39'29	
min. Earth dist.	13206 Oct 20 15:29	7° <b>™</b> 18'40	0.55452 AU	direct	13207 Oct 12 15:14	13° <b>≏</b> 14'43	
morning rise	13206 Oct 26 05:42	4°M24'36		morning max el	13207 Oct 26 21:42	20° <b>£</b> 41'05	26°35'59
direct	13206 Oct 31 09:06	3°M25'35			13207 Nov 03 23:11	0°M	
morning max el	13206 Nov 14 07:28	10°M23'42	25°04'23	asc. node	13207 Nov 18 11:29	23°M38'00	
1-	13206 Nov 29 01:14	0° 🔏 4°. ₹30!07			13207 Nov 21 16:47	0°⊀ 7°.₹05!12	
asc. node morning set	13206 Dec 01 14:37 13206 Dec 10 15:51	4° <b>尽</b> 28'07 22° <b>尽</b> 29'53		morning set	13207 Nov 25 02:08	7° <b>≯</b> 05'12	
morning set	13206 Dec 10 13:31 13206 Dec 14 02:27	0° <b>る</b>		superior conj	13207 Dec 01 21:43	22° <b>₹</b> 05'57	1°36'04
	13200 Dec 14 02.27	υ <b>Ο</b>		minimum elong	13207 Dec 01 20:48	22°× 00'51	1°37'01
superior conj	13206 Dec 17 10:34	7° <b>ට</b> 22'11	1°38'15	max. Earth dist.	13207 Dec 02 11:24	23° <b>×</b> 22'15	1.31402 AU
minimum elong	13206 Dec 17 10:42	7° <b>る</b> 22'54	1°39'16		13207 Dec 05 11:18	0°る	
max. Earth dist.	13206 Dec 19 04:32	11° <b>る</b> 12'24	1.32096 AU	evening rise	13207 Dec 08 19:10	7° <b>る</b> 10'23	
evening rise	13206 Dec 24 16:35	22° <b>る</b> 54'31		•	13207 Dec 20 17:07	0°≈	
	13206 Dec 28 05:28	0° <b>≈</b>		desc. node	13207 Dec 21 07:37	1°≈01'25	
desc. node	13207 Jan 03 10:42	11° <b>≈</b> 30′52		evening max el	13208 Jan 08 23:56	25° <b>≈</b> 57'51	27°13'37
	13207 Jan 15 05:16	0° <b>∀</b>			13208 Jan 13 22:36	0° <b>∀</b>	
evening max el	13207 Jan 26 17:25	13° <b>)</b> ₹36′52	27°33'17	retrograde	13208 Jan 22 22:55	3° <b>)</b> 13′38	
retrograde	13207 Feb 09 13:32	21° <b>米</b> 00′12		evening set	13208 Jan 29 19:05	1° <b>∺</b> 09'03	
evening set	13207 Feb 16 11:38	18° <b>)</b> ₹38′25			13208 Jan 31 13:00	30° <b>R</b> ≈	
min. Earth dist.	13207 Feb 20 05:41	15° <b>)</b> € 33'27		min. Earth dist.	13208 Feb 02 14:26	28°≈24'26	0.60613 AU
inferior conj	13207 Feb 23 02:49	12° <b>)</b> (46′00		inferior conj	13208 Feb 05 18:08	25°≈43'07	
minimum elong	13207 Feb 23 05:43	12° <b>)</b> € 38'58	1~24'41	minimum elong	13208 Feb 06 00:05	25°≈30'25	2~43'45
asc. node	13207 Feb 27 12:34	8° <b>¥</b> 57'35 7° <b>¥</b> 36'15		morning rise	13208 Feb 13 08:11	20°≈52'39	
morning rise direct	13207 Mar 02 02:24 13207 Mar 04 09:33	7° <b>米</b> 36'15 7° <b>米</b> 11'38		asc. node direct	13208 Feb 14 10:00 13208 Feb 15 10:21	20°≈39'15 20°≈35'03	
morning max el	13207 Mar 04 09:33 13207 Mar 11 00:16	10° <b>∺</b> 33'41	17°46'29	morning max el	13208 Feb 15 10:21 13208 Feb 22 15:43	20°≈33'03 24°≈12'07	17°57'41
morning max or	13207 Mar 11 00:10	0° <b>Υ</b>	1, 102)	morning max or	13208 Feb 27 08:31	0° <b>H</b>	1, 2, 71
morning set	13207 Mar 27 01:33	5°Υ10'02		morning set	13208 Mar 09 05:36	18° <b>)</b> (40'02	
desc. node	13207 Apr 01 12:38	14° <b>Υ</b> 39'24			13208 Mar 15 10:46	0°Υ	
		•					

desc. node	13208 Mar 18 09:09	5°Υ13'32		asc. node	13209 Jan 31 07:22	3°≈59'53	
dese. Hode	13200 14141 10 07.07	3   1332		morning max el	13209 Feb 05 01:02	7°≈19'03	18°28'45
superior conj	13208 Mar 19 13:39	7° <b>Ƴ</b> 18'39	-0°09'23		13209 Feb 19 12:08	0° <b>)</b> €	
minimum elong	13208 Mar 19 12:50	7° <b>Y</b> °15'08	0°09'16	morning set	13209 Feb 20 22:36	2° <b>)</b> 44'49	
behind sun begin	13208 Mar 19 06:13	6° <b>Ƴ</b> 46'05		•			
behind sun end	13208 Mar 19 19:28	7° <b>Y</b> '44'06		superior conj	13209 Mar 02 00:12	19° <b>)</b> 57'32	0°25'41
max. Earth dist.	13208 Mar 27 02:13	20° <b>Y</b> 05'57	1.42555 AU	minimum elong	13209 Mar 02 01:57	20° <b>)</b> €05'39	0°25'41
evening rise	13208 Apr 01 22:07	29° <b>Y</b> 31'49		desc. node	13209 Mar 05 05:40	25° <b>¥</b> 50′15	
	13208 Apr 02 05:14	0°8			13209 Mar 07 13:57	$0^{\circ}\mathbf{\Upsilon}$	
	13208 Apr 22 11:03	$\Pi$ $^{\circ}0$		max. Earth dist.	13209 Mar 09 11:00	3° <b>Y</b> 16'01	1.40462 AU
evening max el	13208 May 04 15:34	14° <b>Ⅱ</b> 56'43	22°16'49	evening rise	13209 Mar 13 18:04	10° <b>Ƴ</b> 31'42	
asc. node	13208 May 12 06:40	20° <b>Ⅱ</b> 18'41			13209 Mar 26 03:33	$0^{\circ}B$	
retrograde	13208 May 14 07:04	20° <b>Ⅲ</b> 37′28		evening max el	13209 Apr 17 06:32	28° <b>8</b> 47'52	23°37'39
evening set	13208 May 19 00:35	18° <b>Ⅲ</b> 39'33			13209 Apr 18 12:29	$\Pi$ $^{\circ}0$	
inferior conj	13208 May 24 07:29	12° <b>Ⅱ</b> 18'48	2°57'16	retrograde	13209 Apr 28 01:55	5° <b>Ⅱ</b> 09'22	
minimum elong	13208 May 24 06:00	12° <b>Ⅱ</b> 23'59	2°56'07	asc. node	13209 Apr 29 03:59	5° <b>Ⅱ</b> 04'00	
min. Earth dist.	13208 May 24 05:03	12° <b>Ⅲ</b> 27'18	0.68893 AU	evening set	13209 May 03 06:58	2° <b>Ⅱ</b> 57'38	
morning rise	13208 May 29 11:15	6° <b>Ⅱ</b> 06'33			13209 May 06 01:42	30°₽ <b>႘</b>	
direct	13208 Jun 03 04:29	4° <b>Ⅱ</b> 07'08		min. Earth dist.	13209 May 08 01:45	27° <b>8</b> 21'39	0.68750 AU
morning max el	13208 Jun 12 11:12	9° <b>Ⅱ</b> 32'58	21°57'45	inferior conj	13209 May 08 16:46	26° <b>8</b> 30'08	2°34'05
desc. node	13208 Jun 14 10:33	11° <b>Ⅱ</b> 38′00		minimum elong	13209 May 08 14:45	26° <b>8</b> 37'03	2°32'50
	13208 Jun 28 11:02	$0$ $\circ$		morning rise	13209 May 13 22:29	20° <b>8</b> 25'16	
morning set	13208 Jul 15 04:07	25° <b>©</b> 25'18		direct	13209 May 18 03:03	18° <b>8</b> 46'29	
	13208 Jul 18 00:05	$0^{\circ}\Omega$		morning max el	13209 May 26 05:38	23° <b>8</b> 23'17	20°37'50
max. Earth dist.	13208 Jul 20 20:19	4° <b>Ω</b> 41'02	1.41607 AU		13209 May 31 23:18	$\Pi$ °0	
				desc. node	13209 Jun 01 07:30	0° <b>Ⅱ</b> 26′18	
superior conj	13208 Jul 28 13:52	17° <b>Ω</b> 54'33			13209 Jun 21 17:59	$0$ $\circ$ $\odot$	
minimum elong	13208 Jul 28 20:15	18° <b>Ω</b> 22'38	1°26'50	morning set	13209 Jun 24 14:35	4° <b>9</b> 24'25	
	13208 Aug 04 07:14	0° <b>™</b>		max. Earth dist.	13209 Jul 03 03:52	17° <b>©</b> 55'03	1.43577 AU
evening rise	13208 Aug 08 05:48	7° Mp 15'56					
asc. node	13208 Aug 08 06:21	7° <b>m</b> ) 18'29		superior conj	13209 Jul 09 18:00	28° <b>©</b> 42'43	
	13208 Aug 21 19:44	0∘ <b>⊽</b>		minimum elong	13209 Jul 10 00:56	29° <b>©</b> 11'39	1°55'59
evening max el	13208 Aug 24 06:15	2° <b>≏</b> 45'42	18°12'46		13209 Jul 10 12:30	$0$ ° $\Omega$	
retrograde	13208 Aug 31 10:14	6° <b>≏</b> 24'10		evening rise	13209 Jul 22 00:44	19° <b>Ω</b> 49'46	
evening set	13208 Sep 02 14:54	6° <b>Ω</b> 04'17		asc. node	13209 Jul 26 03:03	27° <b>Ω</b> 00'48	
inferior conj	13208 Sep 09 21:45	1° <b>Ω</b> 19'38	0°07'43		13209 Jul 27 20:31	0° m/y	
minimum elong	13208 Sep 09 22:01	1° <b>Ω</b> 19'04	0°07'32	evening max el	13209 Aug 07 19:19	15° <b>m</b> 52'09	18°02'58
transit middle	13208 Sep 09 22:01	1° <b>Ω</b> 19'04	0°07'32	retrograde	13209 Aug 14 08:22	19° <b>m</b> 14'47	
transit begin	13208 Sep 09 18:59	1° <b>Ω</b> 25'38		evening set	13209 Aug 16 21:07	18° Mp 44'02	1022110
transit end	13208 Sep 10 01:02	1° <b>Ω</b> 12'29		inferior conj	13209 Aug 23 11:14	13°M 39'36	1°23'18
desc. node	13208 Sep 10 07:44	0° <b>Ω</b> 57'57		minimum elong	13209 Aug 23 13:25	13° M) 34'09	1°22'10
i E d Ed	13208 Sep 11 10:18	30°₹ <b>™</b>	0.50102.411	min. Earth dist.	13209 Aug 26 12:26	10° Mp 38'29	0.61484 AU
min. Earth dist. morning rise	13208 Sep 13 05:09 13208 Sep 17 01:42	28° Mp 28'57	0.59192 AU	desc. node	13209 Aug 28 05:16	9° Mp 06'36	
direct	•	25° Mp 43'57		morning rise direct	13209 Aug 30 03:06	7°M)38'46	
direct	13208 Sep 23 11:25	23° m 51'15			13209 Sep 05 18:55	5° Th 21'52	27050126
mamina may al	13208 Oct 06 01:31 13208 Oct 07 19:15	0° <b>ჲ</b> 1° <b>ჲ</b> 37'47	27926120	morning max el	13209 Sep 19 23:37 13209 Oct 03 07:54	13° <b>™</b> 20'08 0° <b>⊆</b>	27-38-26
morning max el	13208 Oct 07 19:13 13208 Oct 28 06:55	0°M	27 30 20		13209 Oct 03 07.34 13209 Oct 20 17:20	0°M	
asc. node	13208 Oct 28 00:33	13°M10'39		asc. node	13209 Oct 20 17:20 13209 Oct 22 04:57	2°M58'45	
morning set	13208 Nov 04 08:13	21°M28'00		morning set	13209 Oct 22 04:57 13209 Oct 23 10:56	5°M32'12	
morning set	13208 Nov 08 03:10 13208 Nov 12 07:54	21 11 <b>6</b> 28 00		max. Earth dist.	13209 Oct 29 10:30 13209 Oct 29 02:12		1.31569 AU
	13200 100 12 07.34	· ^		max. Lartii dist.	13207 OCT 27 02.12	17 1103337	1.51507 AC
superior conj	13208 Nov 15 09:21	6° <b>∡</b> 747'55	1°28'04	superior conj	13209 Oct 30 19:33	21°M21'37	1°14'22
minimum elong	13208 Nov 15 07:37	6° <b>₹</b> 38'12		minimum elong	13209 Oct 30 17:20	21°M02137	
max. Earth dist.	13208 Nov 14 19:54	5° <b>₹</b> 332'54	1.31224 AU	minimum clong	13209 Nov 03 17:10	0° <b>√</b>	1 144/
evening rise	13208 Nov 22 02:37	21°×737'34	1.51224710	evening rise	13209 Nov 06 12:50	6° <b>х</b> <sup>7</sup> 09'42	
e vennig nise	13208 Nov 26 02:56	0°ਰ		evening rise	13209 Nov 18 20:33	0°ਰ	
desc. node	13208 Dec 07 04:40	19° <b>る</b> 56'20		desc. node	13209 Nov 24 01:48	8° <b>る</b> 01'22	
	13208 Dec 14 06:08	0°≈		evening max el	13209 Dec 02 14:39	18° <b>ろ</b> 09'03	24°55'28
evening max el	13208 Dec 20 23:27	7° <b>≈</b> 29'03	26°19'25	retrograde	13209 Dec 16 09:31	25° <b>る</b> 02'55	30 -0
retrograde	13209 Jan 03 22:20	14° <b>≈</b> 34'34	/	evening set	13209 Dec 21 23:06	23° <b>る</b> 53'51	
evening set	13209 Jan 10 08:19	12°≈55'17		min. Earth dist.	13209 Dec 27 02:35	21° <b>る</b> 09'34	0.56539 AU
min. Earth dist.	13209 Jan 14 12:59	10°≈18'53	0.58462 AU	inferior conj	13209 Dec 29 16:52	19° <b>る</b> 29'16	
inferior conj	13209 Jan 17 15:44	8°≈00'26		minimum elong	13209 Dec 30 00:40	19° <b>る</b> 16'40	
minimum elong	13209 Jan 18 00:10	7° <b>≈</b> 44'46		morning rise	13210 Jan 07 04:26	15° <b>る</b> 21'42	
morning rise	13209 Jan 25 18:57	3° <b>≈</b> 31'13		direct	13210 Jan 09 11:35	15° <b>る</b> 06'52	
direct	13209 Jan 27 20:12	3°≈16'58		asc. node	13210 Jan 18 04:39	18° <b>る</b> 57'46	
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morning max el	13210 Jan 19 00:08	19° <b>る</b> 42'57	19°21'44	direct	13210 Dec 21 07:52	25° <b>∡</b> ¹57'35	
C	13210 Jan 26 18:52	0° <b>≈</b>			13210 Dec 31 00:19	ರ∘ರ	
morning set	13210 Feb 05 00:22	17° <b>≈</b> 12'06		morning max el	13211 Jan 01 09:39	1° <b>る</b> 14'37	20°37'55
	13210 Feb 11 10:13	0° <b>∀</b>		asc. node	13211 Jan 05 01:52	5° <b>る</b> 18'26	
					13211 Jan 19 09:55	0° <b>≈</b>	
superior conj	13210 Feb 13 03:31	3° <b>¥</b> 22′13	0°54'03	morning set	13211 Jan 20 07:46	1° <b>≈</b> 52′16	
minimum elong	13210 Feb 13 06:15	3° <b>∺</b> 35'32	0°54'11				
max. Earth dist.	13210 Feb 19 17:33	15° <b>¥</b> 46'47	1.38212 AU	superior conj	13211 Jan 27 19:15	17° <b>≈</b> 20′19	1°15'12
desc. node	13210 Feb 20 02:12	16° <b>∺</b> 26'04		minimum elong	13211 Jan 27 21:51	17° <b>≈</b> 33'34	1°15'38
evening rise	13210 Feb 23 11:02	22° <b>)</b> € 25'42		max. Earth dist.	13211 Feb 02 01:42	27°≈48'22	1.36046 AU
	13210 Feb 27 21:40	0° <b>Υ</b>			13211 Feb 03 05:09	0° <b>)</b> €	
	13210 Mar 20 00:24	0°8	24057121	evening rise	13211 Feb 05 22:31	5° <b>¥</b> 06'06	
evening max el	13210 Mar 30 20:13	12° <b>8</b> 41'00 19° <b>8</b> 35'04	24°56'31	desc. node	13211 Feb 06 22:45	6°¥56'56 0° <b>Ƴ</b>	
retrograde asc. node	13210 Apr 11 16:51 13210 Apr 16 01:21	19° <b>8</b> 33'04		evening max el	13211 Feb 20 18:45 13211 Mar 13 09:43	0° γ 26° <b>Υ</b> 31'18	26006!19
evening set	13210 Apr 17 09:40	17° <b>8</b> 12'04		evening max er	13211 Mar 17 08:32	0° <b>8</b>	20 00 18
min. Earth dist.	13210 Apr 21 20:32	12° <b>8</b> 12'11	0.68151 AU	retrograde	13211 Mar 26 02:57	3° <b>8</b> 47'13	
inferior conj	13210 Apr 23 00:01	10° <b>8</b> 41'38	2°00'47	evening set	13211 Apr 01 06:58	1° <b>8</b> 16'45	
minimum elong	13210 Apr 22 21:52	10° <b>8</b> 48'43	1°59'33	asc. node	13211 Apr 02 22:47	29° <b>Υ</b> 44'14	
morning rise	13210 Apr 28 10:20	4° <b>8</b> 45'30			13211 Apr 02 16:33	30° <b>R</b> Υ	
direct	13210 May 02 02:51	3° <b>8</b> 27'24		min. Earth dist.	13211 Apr 05 11:17	26° <b>Y</b> ′52'09	0.67118 AU
morning max el	13210 May 09 07:37	7° <b>8</b> 25'37	19°31'10	inferior conj	13211 Apr 07 03:13	24° <b>Ƴ</b> 48'15	1°16'59
desc. node	13210 May 19 04:19	19° <b>8</b> 50'46		minimum elong	13211 Apr 07 01:29	24° <b>Y</b> ′53'38	1°16'03
greatest brilliancy	13210 May 21 23:17	23° <b>8</b> 53'31	-0.7m	morning rise	13211 Apr 12 20:46	19° <b>Ƴ</b> 02'19	
	13210 May 26 01:45	$\Pi^{\circ}0$		direct	13211 Apr 16 02:09	18° <b>Ƴ</b> 03'17	
morning set	13210 Jun 03 15:52	13° <b>Ⅱ</b> 04'47		morning max el	13211 Apr 22 16:53	21° <b>Y</b> 36'03	18°40'03
	13210 Jun 14 13:15	$0$ $\circ$ $50$			13211 Apr 29 12:43	$9^{\circ}$ 8	
max. Earth dist.	13210 Jun 15 18:15	1° <b>9</b> 54'11	1.45002 AU	desc. node	13211 May 06 01:01	9° <b>8</b> 41'01	
				morning set	13211 May 14 05:34	22° <b>8</b> 25'57	
superior conj	13210 Jun 19 22:30	8° <b>5</b> 32'10			13211 May 19 01:43	$\Pi$ °0	
minimum elong	13210 Jun 20 01:26	8° <b>5</b> 43'51	2°12'56	max. Earth dist.	13211 May 29 12:44	16° <b>Ⅱ</b> 19'43	1.45737 AU
	13210 Jul 03 01:38	0°N					
evening rise	13210 Jul 03 23:15	1° <b>Ω</b> 30'10		superior conj	13211 May 30 09:30	17° <b>Ⅱ</b> 40'51	
asc. node	13210 Jul 12 23:50	16° <b>Ω</b> 26'11	10011144	minimum elong	13211 May 30 04:47	17° <b>Ⅱ</b> 22'25	2°10'33
evening max el	13210 Jul 22 09:38 13210 Jul 23 02:56	29° <b>Ω</b> 19'10	18°11'44	evening rise	13211 Jun 07 05:48	0°© 12°©09'02	
retrograde	13210 Jul 28 18:06	0° Mp 2° Mp 40'22		greatest brilliancy	13211 Jun 14 21:28 13211 Jun 22 03:05	23°540'51	-0.9m
evening set	13210 Jul 28 18:00 13210 Jul 31 15:10	1° Mp 56'05		greatest offinancy	13211 Jun 26 04:17	23 <b>9</b> 40 31	-0.9111
evening set	13210 Aug 03 08:25			asc. node	13211 Jun 29 20:43	5° <b>Ω</b> 27'43	
inferior conj	13210 Aug 06 16:07	26° <b>Ω</b> 33'57	2°16'30	evening max el	13211 Jul 05 22:08		18°38'28
minimum elong	13210 Aug 06 18:37	26°Ω26'56	2°15'12	retrograde	13211 Jul 12 11:14	16° <b>Ω</b> 31'59	
min. Earth dist.	13210 Aug 09 05:22	23° <b>Ω</b> 43'12	0.63681 AU	evening set	13211 Jul 15 16:54	15° <b>Ω</b> 32'20	
morning rise	13210 Aug 12 20:22	20° <b>Ω</b> 17'52		inferior conj	13211 Jul 21 08:26	9° <b>Ω</b> 54'40	2°50'21
desc. node	13210 Aug 15 02:44	18° <b>Q</b> 50′20		minimum elong	13211 Jul 21 10:21	9° <b>Ω</b> 48'47	2°49'11
direct	13210 Aug 19 11:49	17° <b>Ω</b> 44'26		min. Earth dist.	13211 Jul 23 07:31	7° <b>£</b> 30′30	0.65590 AU
morning max el	13210 Sep 02 08:45	25° <b>Ω</b> 45′18	27°42'35	morning rise	13211 Jul 27 02:50	3° <b>Ω</b> 31'37	
	13210 Sep 06 06:43	0° <b>m</b>		desc. node	13211 Aug 02 00:08	0° <b>Q</b> 52′10	
	13210 Sep 26 21:06	0∘ <b>ত</b>		direct	13211 Aug 02 12:46	0° <b>Ω</b> 51'10	
morning set	13210 Oct 07 05:07	19° <b>≏</b> 12'31		morning max el	13211 Aug 15 19:55	8° <b>Ω</b> 42'43	26°54'36
asc. node	13210 Oct 09 01:35	22° <b>£</b> 57'15	1 22 445 477		13211 Sep 01 11:14	0° <b>m</b> )	
max. Earth dist.	13210 Oct 12 02:34	29° <b>₽</b> 17'02	1.32447 AU		13211 Sep 19 06:53	0° <b>™</b>	
	13210 Oct 12 10:41	0° <b>M</b>		morning set	13211 Sep 20 12:54	2° <u>Ω</u> 22'37	1 22052 ATT
	13210 Oct 15 02:23	50 <b>m</b> 41144	0°55'04	max. Earth dist.	13211 Sep 24 17:48	10° <b>£</b> 38'14 13° <b>£</b> 02'05	1.33852 AU
superior conj minimum elong	13210 Oct 15 02:23 13210 Oct 15 00:12	5°M41'44 5°M29'53	0°55'11	asc. node	13211 Sep 25 22:11	13 == 02 03	
evening rise	13210 Oct 13 00:12 13210 Oct 21 24:00	20°M41'57	0 33 11	superior conj	13211 Sep 29 03:40	19° <b>≏</b> 43'07	0°30'21
evening rise	13210 Oct 21 24:00 13210 Oct 26 11:06	0°×7		minimum elong	13211 Sep 29 02:09	19° <b>≏</b> 35'11	0°30'18
desc. node	13210 Nov 10 23:02	24° <b>×</b> 757'52			13211 Oct 03 23:55	0° <b>™</b>	3 33 10
evening max el	13210 Nov 14 00:36	28° ×7 14'01	23°14'56	evening rise	13211 Oct 05 25:35	5° <b>M</b> 09'49	
<i>3 3</i> -	13210 Nov 15 23:32	0°ප		<i>5</i>	13211 Oct 19 20:06	0° <b>∡</b> 7	
retrograde	13210 Nov 27 07:52	4° <b>ප</b> 51'02		evening max el	13211 Oct 26 14:17	8° <b>∡</b> ¹20'31	21°35'43
evening set	13210 Dec 01 14:34	4° <b>ප</b> 11'16		desc. node	13211 Oct 28 20:21	10° <b>∡</b> ′21'57	
min. Earth dist.	13210 Dec 08 10:16	1° <b>る</b> 00'03	0.55132 AU	retrograde	13211 Nov 07 20:42	14° <b>∡</b> ¹26′02	
inferior conj	13210 Dec 09 22:09	80'80 <b>ප</b> °0	-5°55'01	evening set	13211 Nov 10 18:17	14° <b>∡</b> °06'53	
minimum elong	13210 Dec 09 23:40	0° <b>る</b> 05'56	5°53'58	inferior conj	13211 Nov 19 14:59	10° <b>∡</b> 12'50	-5°35'26
	13210 Dec 10 03:46	30°₽ <b>⋌</b>		minimum elong	13211 Nov 19 07:52	10° <b>∡</b> ′22'48	
morning rise	13210 Dec 18 10:24	26° <b>∡</b> 17'33		min. Earth dist.	13211 Nov 19 16:27	10° <b>∡</b> 10'46	0.54517 AU

other of morning max of 1 311 Dec 1 of 10.5 st	morning rise	13211 Nov 27 22:21	6° <b>∡</b> ¹24'42		minimum elong	13212 Oct 28 22:54	20°M28'02	4°15'45
Sec   1211   122   223   2274317   3   3   3   3   3   3   3   3   3	•	13211 Dec 01 16:15	5° <b>∡</b> ′54'14		•	13212 Oct 31 00:15	19°M14'42	0.54848 AU
1321   100   27   100	morning max el	13211 Dec 14 05:21	11° <b>∡</b> ′54'49	22°14'53	morning rise	13212 Nov 06 10:47	16°ML07'10	
Manuface   13212 Am	asc. node	13211 Dec 22 22:59	22° <b>∡</b> ⁴44'47		direct	13212 Nov 11 02:38	15°M20'04	
Sample   S					morning max el			24°03'15
supprior conj         1321 28m 11 1949         Pse-4137         12918         morning set         13212 2m 11 2139         Pse-4137         12918         morning set         13212 2m 12 10 2139         Pse-8181         1300         recompany         13212 2m 12 10 2139         Pse-8181         1300         1300         1312 2m 26 10 21         16°5 694         19°6 67         18°6 67         18°6 67         18°6 67         18°6 67         18°6 78         18°7 78         18°6 78         18°7 78	morning set					13212 Dec 01 15:42		
		13212 Jan 11 00:39	0° <b>≈</b>		asc. node			
minimal color         1312 Jan 1 1 2:19         19-86-118         19-70-94         superior color         13212 Jan 1 6:21-09         19-86-118         19-86-118         color color         13212 Jan 2 6:01         16-20-108         19-70-118         19-86-118         19-86-118         19-86-118         19-86-118         19-70-118		12212 1 11 10 10	10 41127	1020110				
ame. Earth disc.         1312 Jan. 15 1539         9°sa994   1.3417 AU         support coop         1312 Jan. 20 107         1873 Sept. 3					morning set	13212 Dec 19 06:17	1°623'38	
Seem part   1312 Jan 2 0 0 10 0   88-82 Hs   Seem part   1312 Jan 2 0 10 0   1312 Jan 2 0 10 72   1314 Jan 2 10 1314   1314 Jan 2 10 1314   1314 Jan 2 10 1314   1314 Jan 2 1					superior coni	13212 Dec. 26, 02:16	16°₹16'34	1°36'47
				1.541/1 AO				
Part	•				- C			
Percenting made   13212 Feb 14 23-18   0°P°   1270 Feb 22   13213 m   21 1518   27 1518   13212 m   21	acse. noue				man. Barur diot.			1.52717110
Septem					evening rise		2°≈10'33	
Peculing set   13212 Mar   14   20.99   15°°°0'45   retrograde   13213 Feb   9   1.58   23°°4'315   27°2'92'16   asc. node   13212 Mar   12   10.008   8°°4'519   retrograde   13213 Feb   19   63.25   0°°7'8'28   retrograde   13212 Mar   12   10.008   8°°4'519   retrograde   13213 Feb   19   63.25   0°°7'8'28   retrograde   13212 Mar   12   10.008   8°°4'519   retrograde   13213 Feb   19   63.25   0°°7'8'28   retrograde   13212 Mar   12   10.008   8°°7'4'10   retrograde   13212 Mar   10   12.008   retrograde   13212 Mar   10   18.008   retrograde   13212 Mar	evening max el	13212 Feb 23 23:16	10° <b>Y</b> 11'53	26°59'41	-	13213 Jan 10 16:11	17° <b>≈</b> 26′07	
min. Earth dist         dist. 2 Mar 18 2000         11°9′14'36         0.5688 AU         refrograde         13213 Feb 18 15.23         0°°Y         2 more from the companies of the companies	retrograde	13212 Mar 08 07:29	17° <b>Ƴ</b> 38'16			13213 Jan 18 04:36	0° <b>∀</b>	
Institution   13212 Mar 19 2013   16°P0'0349   13212 Mar 21 0305   8°P0'4519   0°2216   13213 Feb 26 10:26   28°H30'5   13212 Mar 27 0332   3°P1'120   13212 Mar 01 2042   25°H10'10   0.63899 NJ 01'10'0'10'0'10'0'10'0'10'0'10'0'10'0'	evening set	13212 Mar 14 20:59	15° <b>Y</b> 05'45		evening max el	13213 Feb 05 11:58		27°29'32
Inferior conj   13212 Mar 21 000.08   8°P4519   0°22'16   verning set   13213 Feb 23 13.06   28°P4505   0°1809   0°180	min. Earth dist.			0.65685 AU		13213 Feb 14 15:23		
minimum dong					retrograde			
moming rise								
direct   13212 Mar 29 22-88   2-9^28-98   18*0535   18*10535	•			0°21'59	•			
Maniferian max el   3212 Apr   5 07:37   5 °P48'30   18°05'35   minimum elong   13213 Mar 10 14:20   22°P42'15   04°24'16   17°P406'11   18°P45'13   18°	=							
March   Marc				1.000.512.5	3			
moming set   13212 Apr 22 0103   0°PS   moming rise   13213 Mar 11 03-46   17°P60*11	-	•		18-05-35				0-4247
Miniming set   13212 Apr 23 21:59   3°80621   miniming max   13213 Mar 13 14:48   16°43600   miniming max   13213 Mar 20 10:60   19°45434   1°48′21   1°48	desc. node							
Superior conj   3212 May 08 18.32   26°B5125   14745   morning set   3213 Mar 27 15.53   0°P   17481   17482   174	morning set				-			
Superior conj   13212 May 08 1832   26°SE125 -1°4745   minimum elong   13212 May 08 0925   26°B1373   1°4745   desc. node   13213 Apr 10 1837   15°M 07	morning sec	13212 11pt 23 21.37	3 00021					17°48'21
minimum elong   1312 May 08 09.25   26°M 15°35   14°4745   morning set   13213 Apr 08 18.75   26°M 7710   12°M 20°M 18.15   20°M 712   145°30 AU   13213 Apr 18 18.14   26°M 712   145°30 AU   13213 Apr 18 18.14   18°M 712   12°M 712   18°M 713   18°M	superior conj	13212 May 08 18:32	26° <b>8</b> 51'25	-1°47'45				
Max. Earth dist.   13212 May 10 18.37   0°IL 41   1.45730 AU   1.45730 AU   1.45730 AU   1.41313 Apr 18 1.72   1.45730 AU   1.45730		•	26° <b>8</b> 15'35	1°47'45	morning set	13213 Apr 05 18:07	15° <b>Y</b> ′07'10	
Pereing rise   13212 May 24 21:02   21°E15416   19°E10761   13213 May 18 18:24   6°E4710   19¹2108   13213 May 18 18:24   6°E4710   19¹1048   13213 May 18 18:24   6°E4710   19¹1048   13213 May 18 18:24   6°E4710   19¹1048   13213 May 18 18:24   19°210   13213 May 18 18:24   19°210   13213 May 18 18:24   19°2108   13213 May 18 18:24   19°E1076   13213 May 18 18:24   19°E3076   13°E3076   13°	•		$\Pi^{\circ}$			-	20° <b>Y</b> 12'48	
Superior conj   13212 May 30 02:58   0°B   Superior conj   13213 Apr 18 18:24   6°B4710 -1°12′08   13213 Jun 16 10:14   11°206′10 -0.7m   minimum elong   13213 Apr 18 18:24   6°B4710 -1°12′08   171′14′13   13°25′65′6 -	max. Earth dist.	13212 May 11 08:29	0° <b>Ⅲ</b> 54'12	1.45730 AU		13213 Apr 14 14:48	$0^{\circ}$ 8	
greatest brilliancy         13212 Jun 16 10:14         11°20610         -0.7m         minimum elong         13213 Apr 18 11:04         6°81729         1°1143           asc. node         13212 Jun 15 17:41         23°256564         max. Earth dist.         13213 Apr 24 03:30         15°82354         1.44990 AU           evening max el         13212 Jun 25 08:29         0°Ω         19°2210         evening rise         13213 May 03 12:29         0°П           retrograde         13212 Jun 25 08:29         0°Q         13213 May 23 19:06         0°©           evening set         13212 Jun 28 23:15         29°25612         asc. node         13213 Jun 09 07:17         15°25056         0°21'02           inferior conj         13212 Jul 04 09:46         23°23128         3°0815         retrograde         13213 Jun 19 07:17         15°250543         11°253253         12°25112         11°253253         11°253253         12°25112         11°253253         12°2512         13°213 Jun 18 14:23         13°25325         12°250543         13°2512         13°213 Jun 18 14:23         13°25325         12°250543         13°2512         13°213 Jun 18 14:23         12°250543         12°250543         13°2513 Jun 18 14:23         12°250543         12°250713         12°250713         12°250713         12°250713         12°250713         12°250713 <td>evening rise</td> <td>13212 May 24 21:02</td> <td>21°<b>Ⅱ</b>54'16</td> <td></td> <td></td> <td></td> <td></td> <td></td>	evening rise	13212 May 24 21:02	21° <b>Ⅱ</b> 54'16					
Sec. node   13212 Jun   15   174   23°\$5654   max. Earth dist.   13213 Apr   24   03:03   15°\$2354   1.44990 AU evening max el   13212 Jun   18   06:28   26°\$44'24   19°22'10   evening rise   13213 May 03   12:29   0°\$\$\frac{1}{\text{III}} \]   13212 Jun   22   12:57   0°\$\hat{\text{\$\chicklet}} \]   13212 Jun   25   06:29   0°\$\hat{\text{\$\chicklet}} \]   13213 May 03   12:29   0°\$\hat{\text{\$\chicklet}} \]   13212 Jun   28   01:12   30°\$\hat{\text{\$\chicklet}} \]   13213 Jun   01   09:20   10°\$\text{\$\chicklet}\$   0°\$\text{\$\chicklet}\$   0°\$		•	$0$ $\circ$			•	_	
Pevening max el   13212 Jun   18   06.28   26 ° 644" 24   19" 22" 10   evening rise   13213 May 04   08.42   19" 117" 13   17" 14" 14" 14" 14" 14" 14" 14" 14" 14" 14	-			-0.7m	_	-	_	
Petrograde   13212 Jun   22   12:57   0°\$\alpha   0					max. Earth dist.	•		1.44990 AU
Petrograde   13212 Jun   25   08.29   0°Q42'15   evening max el   13213 May   23   19.06   0°Q5   20°21'02	evening max el			19°22'10		•		
evening set   13212 Jun   28 01:12   29°25612   30°856   32°10'10'10'10'10'10'10'10'10'10'10'10'10'1					evening rise	,		
cevening set   13212 Jun   28   23:15   29°\$26'12   asc. node   13213 Jun   02   14:44   11°\$43'08   inferior conj   13212 Jul   04   08:49   23°\$31'28   3°07'13   evening set   13213 Jun   13   07:54   15°\$505'43   minimum elong   13212 Jul   04   09:46   23°\$31'28   3°07'13   evening set   13213 Jun   13   07:54   13°\$32'53   min. Earth dist.   13212 Jul   05   17:21   21°\$26'75   0.6710 AU   inferior conj   13213 Jun   13   14:29   7°\$28'42   3°12'53   morning rise   13212 Jul   15   20:34   14°\$32'40   minimum elong   13213 Jun   18   14:29   7°\$28'42   3°12'53   direct   13212 Jul   18   21:28   15°\$60'635   morning max el   13212 Jul   28   06:70   0°\$Q   direct   13213 Jun   29   09:57   28°\$14'031   evening set   13213 Jul   29   09:57   28°\$14'031   evening set   13212 Jul   28   06:70   0°\$Q   direct   13213 Jul   05   18:43   1°\$20'84   evening set   13212 Sep   02   06:37   14°\$\$52'53   desc. node   13213 Jul   05   18:43   1°\$20'84   evening set   13212 Sep   05   22:46   21°\$\$43'17   1.35741 AU   morning max el   13213 Jul   10   16:53   5°\$26'622   24°17'30   evening set   13213 Jul	retrograde				avaning may al			20021102
Inferior conj   13212 Jul   04   08:49   23°\$34'34   3°08'15   retrograde   13213 Jun   09   07:17   15°\$05'34   sinfaminimum elong   13212 Jul   04   09:46   23°\$31'28   3°07'13   evening set   13213 Jun   13   07:54   13°\$32'53   sinfaminimum elong   13212 Jul   05   17:21   21°\$47'55   0.67107 AU   inferior conj   13213 Jun   18   14:29   7°\$28'42   3°12'53   morning rise   13212 Jul   09   19:44   17°\$10'40   minimum elong   13213 Jun   18   14:29   7°\$29'03   3°11'51   direct   13212 Jul   18   21:23   15°\$20'63'5   morning max el   13212 Jul   18   21:28   15°\$20'63'5   morning max el   13212 Jul   28   06:47   21°\$59'13   25°42'57   direct   13213 Jun   25   07:15   30°\$\$\pi\$\$\frac{\pi}{\pi}\$\$\p	evening set	13212 Juli 26 01.12	30 K=30		evening max ei			
minimum elong   13212 Jul   04   09:46   23°\$31'28   3°07'13   evening set   13213 Jun   13   07:54   13°\$32'53   3°12'54   3°12'54	evening set	13212 Jun 28 23:15	200626112		•			20 21 02
min. Earth dist.   13212 Jul   05   17:21   21°S47'55   0.67107 AU   inferior conj   13213 Jun   18   14:29   7°S28'42   3°12'53   morning rise   13212 Jul   15   20:34   14°S32'40   min. Earth dist.   13213 Jun   19   08:55   6°S25'38   0.68176 AU   desc. node   13212 Jul   18   21:28   15°S06'35   morning max el   13212 Jul   28   06:47   21°S59'13   25°42'57   morning max el   13212 Jul   28   06:47   21°S59'13   25°42'57   morning max el   13212 Jul   28   06:47   21°S59'13   25°42'57   morning max el   13212 Jul   28   06:47   21°S59'13   25°42'57   direct   13213 Jun   29   09:57   28°Π40'31   3°20'40   3°20'4	inferior coni			3°08'15	asc. node	13213 Jun 02 14:44	11°5643'08	20 21 02
morning rise   13212 Jul   09   19:44   17°\$10'40   minimum elong   13213 Jun   18   14:23   7°\$29'03   3°11'51   direct   13212 Jul   18   21:28   15°\$60'635   morning rise   13213 Jun   23   20:33   1°\$20'746   morning max el   13212 Jul   18   21:28   15°\$60'635   morning rise   13213 Jun   23   20:33   1°\$20'746   morning max el   13212 Jul   28   06:47   21°\$25'913   25°42'57   13213 Jun   23   20:33   1°\$20'746   morning max el   13212 Jun   25   07:15   30°R II   vision morning max el   13212 Jun   29   09:57   28°I40'31   vision morning set   13212 Aug   24   17:15   0°\$10   vision morning max el   13213 Jul   03   23:00   0°\$2   vision morning set   13212 Sep   02   06:37   14°\$15'253   desc. node   13213 Jul   03   18:43   1°\$208'41   vision morning set   13212 Sep   05   22:46   21°\$10   43'17   1.35741 AU   morning max el   13213 Jul   29   16:22   0°\$\Oldots \cdots \cdots \cdots \cdots \cdots \cdots \cdots \cdots \cdot \cdots \cdot \cdots \cdot \cd	3	13212 Jul 04 08:49	23°534'34		asc. node retrograde	13213 Jun 02 14:44 13213 Jun 09 07:17	11°543'08 15°505'43	20 21 02
Morning max el   13212 Jul	minimum elong	13212 Jul 04 08:49 13212 Jul 04 09:46	23°534'34 23°531'28	3°07'13	asc. node retrograde evening set	13213 Jun 02 14:44 13213 Jun 09 07:17 13213 Jun 13 07:54	11°543'08 15°505'43 13°532'53	
Morning max el   13212 Jul 28 06:47   21°\$59'13   25°42'57   direct   13213 Jun 25 07:15   30°R II     13212 Aug 24 17:15   0°	minimum elong min. Earth dist.	13212 Jul 04 08:49 13212 Jul 04 09:46 13212 Jul 05 17:21	23°\$34'34 23°\$31'28 21°\$47'55	3°07'13	asc. node retrograde evening set inferior conj	13213 Jun 02 14:44 13213 Jun 09 07:17 13213 Jun 13 07:54 13213 Jun 18 14:29	11°543'08 15°505'43 13°532'53 7°528'42	3°12'53
13212 Aug 04 06:50   0° Ω   13213 Jun 29 09:57   28° Π40'31   13212 Aug 24 17:15   0° \( \bar{\text{morning set}} \)   13212 Aug 24 17:15   0° \( \bar{\text{morning set}} \)   13212 Sep 02 06:37   14° \( \bar{\text{my}} \) 52'53   desc. node   13213 Jul 05 18:43   1° \( \bar{\text{morning set}} \)   13212 Sep 05 22:46   21° \( \bar{\text{m}} \) 43'17   1.35741 AU   morning max el   13213 Jul 10 16:53   5° \( \bar{\text{g2}} \) 24° 17'30     13212 Sep 10 05:00   0° \( \bar{\text{morning set}} \)   13212 Sep 10 05:00   0° \( \bar{\text{morning morning set}} \)   13213 Aug 15 05:52   26° \( \bar{\text{Q3}} \) 23'6 \( \bar{\text{V}} \)   13213 Aug 15 05:52   26° \( \bar{\text{Q3}} \) 23'6 \( \bar{\text{V}} \)   13213 Aug 17 05:20   0° \( \bar{\text{morning morning set}} \)   13212 Sep 11 20:36   3° \( \bar{\text{morning morning set}} \)   13213 Aug 18 21:15   2° \( \bar{\text{morning morning set}} \)   13213 Aug 18 21:15   2° \( \bar{\text{morning morning morning morning morning set}} \)   13213 Aug 18 21:15   2° \( \text{morning morning morn	minimum elong min. Earth dist. morning rise	13212 Jul 04 08:49 13212 Jul 04 09:46 13212 Jul 05 17:21 13212 Jul 09 19:44	23°934'34 23°931'28 21°947'55 17°910'40	3°07'13	asc. node retrograde evening set inferior conj minimum elong	13213 Jun 02 14:44 13213 Jun 09 07:17 13213 Jun 13 07:54 13213 Jun 18 14:29 13213 Jun 18 14:23	11°\$43'08 15°\$05'43 13°\$32'53 7°\$28'42 7°\$29'03	3°12'53 3°11'51
Morning set   13212 Aug 24 17:15   0° th   13213 Jul 03 23:00   0° s   14	minimum elong min. Earth dist. morning rise direct	13212 Jul 04 08:49 13212 Jul 04 09:46 13212 Jul 05 17:21 13212 Jul 09 19:44 13212 Jul 15 20:34	23°\$34'34 23°\$31'28 21°\$47'55 17°\$10'40 14°\$32'40	3°07'13	asc. node retrograde evening set inferior conj minimum elong min. Earth dist.	13213 Jun 02 14:44 13213 Jun 09 07:17 13213 Jun 13 07:54 13213 Jun 18 14:29 13213 Jun 18 14:23 13213 Jun 19 08:55	11°943'08 15°905'43 13°932'53 7°928'42 7°929'03 6°925'38 1°907'46	3°12'53 3°11'51
Morning set   13212 Sep   02   06:37   14° \$\mathbb{\paraboles}\$   13212 Sep   05   22:46   21° \$\mathbb{\paraboles}\$   1.35741 AU   morning max el   13213 Jul   10   16:53   5°\$\sigma26'22   24° 17'30   13212 Sep   10   05:00   0°\$\sigma\$   morning set   13213 Jul   10   16:53   5°\$\sigma26'22   24° 17'30   13212 Sep   11   20:30   0°\$\sigma\$   morning set   13213 Jul   29   16:22   0°\$\sigma\$   0°\$\sigma\$   superior conj   13212 Sep   11   20:38   3°\$\sigma\$18'13   0°00'45   morning set   13213 Aug   15   05:52   26°\$\sigma\$32'36   superior conj   13212 Sep   11   20:36   3°\$\sigma\$18'10   0°00'41   max. Earth dist.   13213 Aug   18   21:15   2°\$\mathbb{\mathbb{\paraboles}}\$57'31   1.37979 AU   behind sun begin   13212 Sep   11   14:25   2°\$\sigma\$46'55   superior conj   13213 Aug   26   02:02   16°\$\mathbb{\mathb	minimum elong min. Earth dist. morning rise direct desc. node	13212 Jul 04 08:49 13212 Jul 04 09:46 13212 Jul 05 17:21 13212 Jul 09 19:44 13212 Jul 15 20:34 13212 Jul 18 21:28 13212 Jul 28 06:47	23°S34'34 23°S31'28 21°S47'55 17°S10'40 14°S32'40 15°S06'35 21°S59'13	3°07'13 0.67107 AU	asc. node retrograde evening set inferior conj minimum elong min. Earth dist.	13213 Jun 02 14:44 13213 Jun 09 07:17 13213 Jun 13 07:54 13213 Jun 18 14:29 13213 Jun 18 14:23 13213 Jun 19 08:55 13213 Jun 23 20:33 13213 Jun 25 07:15	11°\$43'08 15°\$05'43 13°\$32'53 7°\$28'42 7°\$29'03 6°\$25'38 1°\$07'46 30°RII	3°12'53 3°11'51
max. Earth dist.       13212 Sep 05 22:46       21° m 43'17       1.35741 AU       morning max el       13213 Jul 10 16:53       5°©26'22       24°17'30         13212 Sep 10 05:00       0° Ω       morning set       13213 Jul 29 16:22       0° Ω       26° Ω32'36         superior conj       13212 Sep 11 20:38       3° Ω 18'13       0°00'45       13213 Aug 17 05:20       0° m         minimum elong       13212 Sep 11 20:36       3° Ω 18'02       0°00'41       max. Earth dist.       13213 Aug 18 21:15       2° M 57'31       1.37979 AU         behind sun begin behind sun end asc. node       13212 Sep 11 18:46       3° Ω 49'12       superior conj       13213 Aug 26 02:02       16° M 19'28 -0°32'38         asc. node       13212 Sep 11 18:46       3° Ω 68'45       minimum elong       13213 Aug 26 04:16       16° M 30'14       0°32'38         evening rise       13212 Sep 19 17:31       19° Ω 27'10       asc. node       13213 Aug 26 04:16       16° M 30'14       0°32'38         evening max el       13212 Sep 19 17:31       19° Ω 27'10       asc. node       13213 Sep 02 01:23       0° Ω         evening max el       13212 Oct 17 16:10       19° M 02'01       20° 11'35       evening rise       13213 Sep 03 19:16       3° Ω 27'54         desc. node       13212 Oct 14 17:47       23° M 45'	minimum elong min. Earth dist. morning rise direct desc. node	13212 Jul 04 08:49 13212 Jul 04 09:46 13212 Jul 05 17:21 13212 Jul 09 19:44 13212 Jul 15 20:34 13212 Jul 18 21:28 13212 Jul 28 06:47 13212 Aug 04 06:50	23°\$34'34 23°\$31'28 21°\$47'55 17°\$10'40 14°\$32'40 15°\$06'35 21°\$59'13 0°\$\$\Omega\$	3°07'13 0.67107 AU	asc. node retrograde evening set inferior conj minimum elong min. Earth dist. morning rise	13213 Jun 02 14:44 13213 Jun 09 07:17 13213 Jun 13 07:54 13213 Jun 18 14:29 13213 Jun 18 14:23 13213 Jun 19 08:55 13213 Jun 23 20:33 13213 Jun 25 07:15 13213 Jun 29 09:57	11°\$43'08 15°\$05'43 13°\$32'53 7°\$28'42 7°\$29'03 6°\$25'38 1°\$07'46 30°RII 28°II40'31	3°12'53 3°11'51
13212 Sep 10 05:00   0°\(\Omega\)   morning set   13213 Jul 29 16:22   0°\(\Omega\)   Superior conj   13212 Sep 11 20:38   3°\(\Omega\)18'13   0°00'45   morning set   13213 Aug 15 05:52   26°\(\Omega\)23'236   superior conj   13212 Sep 11 20:38   3°\(\Omega\)18'02   0°00'41   max. Earth dist.   13213 Aug 18 12:15   2°\(\Omega\)5'731   1.37979 AU   behind sun begin   13212 Sep 11 14:25   2°\(\Omega\)46'55   behind sun end   13212 Sep 12 02:47   3°\(\Omega\)49'12   superior conj   13213 Aug 26 02:02   16°\(\Omega\)19'28   -0°32'38   asc. node   13212 Sep 11 18:46   3°\(\Omega\)208'45   minimum elong   13213 Aug 26 04:16   16°\(\Omega\)19'28   -0°32'38   evening rise   13212 Sep 19 17:31   19°\(\Omega\)27'10   asc. node   13213 Aug 26 04:16   16°\(\Omega\)30'14   0°32'33   evening max el   13212 Oct 07 16:10   19°\(\Omega\)20'11'35   evening rise   13213 Sep 02 01:23   0°\(\Omega\)2   evening max el   13212 Oct 14 17:47   23°\(\Omega\)45'17   evening max el   13213 Sep 19 19:39   0°\(\Omega\)2   evening set   13212 Oct 18 08:56   24°\(\Omega\)21'18   evening max el   13213 Sep 20 08:15   0°\(\Omega\)32'20   19°08'29   evening set   13212 Oct 20 10:05   24°\(\Omega\)10'10   retrograde   13213 Sep 29 09:24   5°\(\Omega\)10'10'4	minimum elong min. Earth dist. morning rise direct desc. node morning max el	13212 Jul 04 08:49 13212 Jul 04 09:46 13212 Jul 05 17:21 13212 Jul 09 19:44 13212 Jul 15 20:34 13212 Jul 18 21:28 13212 Jul 28 06:47 13212 Aug 04 06:50 13212 Aug 24 17:15	23°\$34'34 23°\$31'28 21°\$47'55 17°\$10'40 14°\$32'40 15°\$06'35 21°\$59'13 0°\$\Omega\$ 0°\$\mathbb{n}\$	3°07'13 0.67107 AU	asc. node retrograde evening set inferior conj minimum elong min. Earth dist. morning rise direct	13213 Jun 02 14:44 13213 Jun 09 07:17 13213 Jun 13 07:54 13213 Jun 18 14:29 13213 Jun 18 14:23 13213 Jun 19 08:55 13213 Jun 23 20:33 13213 Jun 25 07:15 13213 Jun 29 09:57 13213 Jul 03 23:00	11°\$43'08 15°\$05'43 13°\$32'53 7°\$28'42 7°\$29'03 6°\$25'38 1°\$07'46 30°RII 28°II40'31 0°\$	3°12'53 3°11'51
superior conj         13212 Sep 11 20:38         3°鱼18'13         0°00'45         morning set         13213 Aug 15 05:52         26°及32'36         Cach (32'3'3')         Cach (32'3')         Cach (32'3	minimum elong min. Earth dist. morning rise direct desc. node morning max el	13212 Jul 04 08:49 13212 Jul 04 09:46 13212 Jul 05 17:21 13212 Jul 09 19:44 13212 Jul 15 20:34 13212 Jul 18 21:28 13212 Jul 28 06:47 13212 Aug 04 06:50 13212 Aug 24 17:15 13212 Sep 02 06:37	23°\$34'34 23°\$31'28 21°\$47'55 17°\$10'40 14°\$32'40 15°\$06'35 21°\$59'13 0°\$\Omega\$ 0°\$\mathbf{m}\$52'53	3°07'13 0.67107 AU 25°42'57	asc. node retrograde evening set inferior conj minimum elong min. Earth dist. morning rise direct desc. node	13213 Jun 02 14:44 13213 Jun 09 07:17 13213 Jun 13 07:54 13213 Jun 18 14:29 13213 Jun 18 14:23 13213 Jun 19 08:55 13213 Jun 23 20:33 13213 Jun 25 07:15 13213 Jun 29 09:57 13213 Jul 03 23:00 13213 Jul 05 18:43	11°\$43'08 15°\$05'43 13°\$32'53 7°\$28'42 7°\$29'03 6°\$25'38 1°\$07'46 30°RII 28°II40'31 0°\$ 1°\$08'41	3°12'53 3°11'51 0.68176 AU
superior conj 13212 Sep 11 20:38  3°\(\Omega\$18'13\) 0°00'45	minimum elong min. Earth dist. morning rise direct desc. node morning max el	13212 Jul 04 08:49 13212 Jul 04 09:46 13212 Jul 05 17:21 13212 Jul 09 19:44 13212 Jul 15 20:34 13212 Jul 18 21:28 13212 Jul 28 06:47 13212 Aug 04 06:50 13212 Aug 24 17:15 13212 Sep 02 06:37 13212 Sep 05 22:46	23°\$34'34 23°\$31'28 21°\$47'55 17°\$10'40 14°\$32'40 15°\$06'35 21°\$59'13 0°\$\Omega\$ 0°\$\mathbf{m}\$52'53 21°\$\mathbf{m}\$52'53	3°07'13 0.67107 AU 25°42'57	asc. node retrograde evening set inferior conj minimum elong min. Earth dist. morning rise direct desc. node	13213 Jun 02 14:44 13213 Jun 09 07:17 13213 Jun 13 07:54 13213 Jun 18 14:29 13213 Jun 18 14:23 13213 Jun 19 08:55 13213 Jun 23 20:33 13213 Jun 25 07:15 13213 Jun 29 09:57 13213 Jul 03 23:00 13213 Jul 05 18:43 13213 Jul 10 16:53	11°\$43'08 15°\$05'43 13°\$32'53 7°\$28'42 7°\$29'03 6°\$25'38 1°\$07'46 30°RII 28°II40'31 0°\$ 1°\$08'41 5°\$26'22	3°12'53 3°11'51 0.68176 AU
minimum elong 13212 Sep 11 20:36 3° £ 18'02 0°00'41 max. Earth dist. 13213 Aug 18 21:15 2° 155'31 1.37979 AU behind sun begin 13212 Sep 11 14:25 2° £ 46'55 behind sun end 13212 Sep 12 02:47 3° £ 49'12 superior conj 13213 Aug 26 02:02 16° 10 19'28 -0°32'38 asc. node 13212 Sep 11 18:46 3° £ 08'45 minimum elong 13213 Aug 26 04:16 16° 10 19'28 -0°32'38 evening rise 13212 Sep 19 17:31 19° £ 27'10 asc. node 13213 Aug 29 15:22 23° 10 14'04 13212 Sep 25 00:15 0° 11 20° 11'35 evening rise 13213 Sep 02 01:23 0° £ evening max el 13212 Oct 17 16:10 19° 10.02'01 20° 11'35 evening rise 13213 Sep 19 19:39 0° 11. evening max el 13212 Oct 18 08:56 24° 11.21'18 evening max el 13213 Sep 29 09:24 5° 10.04'04 evening set 13212 Oct 20 10:05 24° 11.01'30 retrograde 13213 Sep 29 09:24 5° 11.04'04 sevening set 13213 Sep 29 09:	minimum elong min. Earth dist. morning rise direct desc. node morning max el	13212 Jul 04 08:49 13212 Jul 04 09:46 13212 Jul 05 17:21 13212 Jul 09 19:44 13212 Jul 15 20:34 13212 Jul 18 21:28 13212 Jul 28 06:47 13212 Aug 04 06:50 13212 Aug 24 17:15 13212 Sep 02 06:37 13212 Sep 05 22:46	23°\$34'34 23°\$31'28 21°\$47'55 17°\$10'40 14°\$32'40 15°\$06'35 21°\$59'13 0°\$\Omega\$ 0°\$\mathbf{m}\$52'53 21°\$\mathbf{m}\$52'53	3°07'13 0.67107 AU 25°42'57	asc. node retrograde evening set inferior conj minimum elong min. Earth dist. morning rise direct desc. node morning max el	13213 Jun 02 14:44 13213 Jun 09 07:17 13213 Jun 13 07:54 13213 Jun 18 14:29 13213 Jun 18 14:23 13213 Jun 19 08:55 13213 Jun 23 20:33 13213 Jun 25 07:15 13213 Jun 29 09:57 13213 Jul 03 23:00 13213 Jul 05 18:43 13213 Jul 10 16:53 13213 Jul 29 16:22	11°\$43'08 15°\$05'43 13°\$32'53 7°\$28'42 7°\$29'03 6°\$25'38 1°\$07'46 30°\$II 28°II40'31 0°\$ 1°\$08'41 5°\$26'22 0°\$\lambda\$	3°12'53 3°11'51 0.68176 AU
behind sun begin behind sun end 13212 Sep 11 14:25 2°£46'55   Superior conj 13213 Aug 26 02:02 16°th 19'28 -0°32'38 asc. node 13212 Sep 11 18:46 3°£08'45   minimum elong 13213 Aug 26 04:16 16°th 30'14 0°32'33 evening rise 13212 Sep 19 17:31 19°£27'10   asc. node 13213 Aug 29 15:22 23°th 14'04 13212 Sep 25 00:15 0°th 13212 Sep 25 00:15 0°th 13213 Sep 02 01:23 0°£ evening max el 13212 Oct 07 16:10 19°th 02'01 20°11'35 evening rise 13213 Sep 03 19:16 3°£27'54 desc. node 13212 Oct 14 17:47 23°th 45'17   13213 Sep 19 19:39 0°th 14'04 retrograde 13212 Oct 18 08:56 24°th 21'18   evening max el 13213 Sep 20 08:15 0°th 32'20 19°08'29 evening set 13212 Oct 20 10:05 24°th 10'30 retrograde 13213 Sep 29 09:24 5°th 04'04	minimum elong min. Earth dist. morning rise direct desc. node morning max el morning set max. Earth dist.	13212 Jul 04 08:49 13212 Jul 04 09:46 13212 Jul 05 17:21 13212 Jul 09 19:44 13212 Jul 15 20:34 13212 Jul 18 21:28 13212 Jul 28 06:47 13212 Aug 04 06:50 13212 Aug 24 17:15 13212 Sep 02 06:37 13212 Sep 05 22:46 13212 Sep 10 05:00	23°\$34'34 23°\$31'28 21°\$47'55 17°\$10'40 14°\$32'40 15°\$06'35 21°\$59'13 0°\$\Omega\$ 0°\$\mathbf{m}\$52'53 21°\$\mathbf{m}\$43'17 0°\$\Omega\$	3°07'13 0.67107 AU 25°42'57 1.35741 AU	asc. node retrograde evening set inferior conj minimum elong min. Earth dist. morning rise direct desc. node morning max el	13213 Jun 02 14:44 13213 Jun 09 07:17 13213 Jun 13 07:54 13213 Jun 18 14:29 13213 Jun 18 14:23 13213 Jun 19 08:55 13213 Jun 23 20:33 13213 Jun 25 07:15 13213 Jun 29 09:57 13213 Jul 03 23:00 13213 Jul 05 18:43 13213 Jul 10 16:53 13213 Jul 29 16:22 13213 Aug 15 05:52	11°\$43'08 15°\$05'43 13°\$32'53 7°\$28'42 7°\$29'03 6°\$25'38 1°\$07'46 30°RII 28°II40'31 0°\$ 1°\$08'41 5°\$26'22 0°\$ 26°\$32'36	3°12'53 3°11'51 0.68176 AU
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asc. node 13212 Sep 11 18:46 3° \(\Omega\)08'45 minimum elong 13213 Aug 26 04:16 16° \(\overline{\text{m}}\)30'14 0°32'33 evening rise 13212 Sep 19 17:31 19° \(\Omega\)27'10 asc. node 13213 Aug 29 15:22 23° \(\overline{\text{m}}\)14'04 evening max el 13212 Sep 25 00:15 0° \(\overline{\text{m}}\) 13213 Sep 02 01:23 0° \(\overline{\text{m}}\) 20' 16:10 19° \(\overline{\text{m}}\)02'01 20°11'35 evening rise 13213 Sep 03 19:16 3° \(\overline{\text{m}}\)27'54 desc. node 13212 Oct 14 17:47 23° \(\overline{\text{m}}\)45'17 evening max el 13213 Sep 19 19:39 0° \(\overline{\text{m}}\) 0° \(\overline{\text{m}}\)21'18 evening max el 13213 Sep 20 08:15 0° \(\overline{\text{m}}\)32'20 19°08'29 evening set 13212 Oct 20 10:05 24° \(\overline{\text{m}}\)10'30 retrograde 13213 Sep 29 09:24 5° \(\overline{\text{m}}\)0'40'4	minimum elong min. Earth dist. morning rise direct desc. node morning max el  morning set max. Earth dist.  superior conj minimum elong	13212 Jul 04 08:49 13212 Jul 04 09:46 13212 Jul 05 17:21 13212 Jul 09 19:44 13212 Jul 15 20:34 13212 Jul 18 21:28 13212 Jul 28 06:47 13212 Aug 04 06:50 13212 Aug 24 17:15 13212 Sep 02 06:37 13212 Sep 05 22:46 13212 Sep 10 05:00  13212 Sep 11 20:38 13212 Sep 11 20:38	23°\$34'34 23°\$31'28 21°\$47'55 17°\$10'40 14°\$32'40 15°\$06'35 21°\$59'13 0°\$\Omega\$ 0°\$\mathbf{m}\$52'53 21°\$\mathbf{m}\$43'17 0°\$\oldsymbol{\Phi}\$ 3°\$\oldsymbol{\Phi}\$18'13 3°\$\oldsymbol{\Phi}\$18'02	3°07'13 0.67107 AU 25°42'57 1.35741 AU 0°00'45	asc. node retrograde evening set inferior conj minimum elong min. Earth dist. morning rise direct desc. node morning max el morning set	13213 Jun 02 14:44 13213 Jun 09 07:17 13213 Jun 13 07:54 13213 Jun 18 14:29 13213 Jun 18 14:23 13213 Jun 19 08:55 13213 Jun 23 20:33 13213 Jun 25 07:15 13213 Jun 29 09:57 13213 Jul 03 23:00 13213 Jul 05 18:43 13213 Jul 10 16:53 13213 Jul 29 16:22 13213 Aug 15 05:52 13213 Aug 17 05:20	11°\$43'08 15°\$05'43 13°\$32'53 7°\$28'42 7°\$29'03 6°\$25'38 1°\$07'46 30°\$II 28°II40'31 0°\$ 1°\$08'41 5°\$26'22 0°\$\Omega\$ 26°\$\Omega\$32'36 0°\$\omega\$	3°12'53 3°11'51 0.68176 AU 24°17'30
evening rise 13212 Sep 19 17:31 19°\(\omega\)27'10 asc. node 13213 Aug 29 15:22 23°\(\omega\)14'04 evening max el 13212 Oct 07 16:10 19°\(\omega\)L02'01 20°11'35 evening rise 13213 Sep 02 01:23 0°\(\omega\) evening max el 13212 Oct 14 17:47 23°\(\omega\)L45'17 evening max el 13213 Sep 19 19:39 0°\(\omega\)L retrograde 13212 Oct 18 08:56 24°\(\omega\)L21'18 evening max el 13213 Sep 20 08:15 0°\(\omega\)L32'00'\(\omega\)29'08'29 evening set 13212 Oct 20 10:05 24°\(\omega\)L10'30 retrograde 13213 Sep 29 09:24 5°\(\omega\)C04'04	minimum elong min. Earth dist. morning rise direct desc. node morning max el  morning set max. Earth dist.  superior conj minimum elong behind sun begin	13212 Jul 04 08:49 13212 Jul 04 09:46 13212 Jul 05 17:21 13212 Jul 09 19:44 13212 Jul 15 20:34 13212 Jul 18 21:28 13212 Jul 28 06:47 13212 Aug 04 06:50 13212 Aug 24 17:15 13212 Sep 02 06:37 13212 Sep 05 22:46 13212 Sep 10 05:00  13212 Sep 11 20:38 13212 Sep 11 20:36 13212 Sep 11 14:25	23°\$34'34 23°\$31'28 21°\$47'55 17°\$10'40 14°\$32'40 15°\$06'35 21°\$59'13 0°\$\Omega\$ 0°\$\mathbf{m}\$52'53 21°\$\mathbf{m}\$43'17 0°\$\omega\$ 3°\$\Omega\$18'13 3°\$\Omega\$18'02 2°\$\Omega\$46'55	3°07'13 0.67107 AU 25°42'57 1.35741 AU 0°00'45	asc. node retrograde evening set inferior conj minimum elong min. Earth dist. morning rise direct desc. node morning max el morning set max. Earth dist.	13213 Jun 02 14:44 13213 Jun 09 07:17 13213 Jun 13 07:54 13213 Jun 18 14:29 13213 Jun 18 14:23 13213 Jun 19 08:55 13213 Jun 23 20:33 13213 Jun 25 07:15 13213 Jun 29 09:57 13213 Jul 03 23:00 13213 Jul 05 18:43 13213 Jul 05 18:43 13213 Jul 10 16:53 13213 Jul 29 16:22 13213 Aug 15 05:52 13213 Aug 17 05:20 13213 Aug 18 21:15	11°\$43'08 15°\$05'43 13°\$32'53 7°\$28'42 7°\$29'03 6°\$25'38 1°\$07'46 30°\$II 28°\$I40'31 0°\$\$ 1°\$08'41 5°\$26'22 0°\$\$ 26°\$\$\alpha\$32'36 0°\$\$\$ 0°\$	3°12'53 3°11'51 0.68176 AU 24°17'30
evening max el desc. node 13212 Oct 14 17:47 23°M.45'17 evening rise 13213 Sep 03 19:16 3°\(\omega\)27'54 desc. node 13212 Oct 18 08:56 24°\(\omega\)L21'18 evening max el evening max el 13213 Sep 19 19:39 0°\(\omega\)L evening set 13212 Oct 20 10:05 24°\(\omega\)L10'30 retrograde 13213 Sep 20 08:15 0°\(\omega\)L32'20 19°08'29	minimum elong min. Earth dist. morning rise direct desc. node morning max el  morning set max. Earth dist.  superior conj minimum elong behind sun begin behind sun end	13212 Jul 04 08:49 13212 Jul 04 09:46 13212 Jul 05 17:21 13212 Jul 09 19:44 13212 Jul 15 20:34 13212 Jul 18 21:28 13212 Jul 28 06:47 13212 Aug 04 06:50 13212 Aug 24 17:15 13212 Sep 02 06:37 13212 Sep 05 22:46 13212 Sep 10 05:00  13212 Sep 11 20:38 13212 Sep 11 20:36 13212 Sep 11 14:25 13212 Sep 12 02:47	23°\$34'34 23°\$31'28 21°\$47'55 17°\$10'40 14°\$32'40 15°\$06'35 21°\$59'13 0°\$\Omega\$ 0°\$\mathbf{m}\$52'53 21°\$\mathbf{m}\$43'17 0°\$\omega\$ 3°\$\Omega\$18'13 3°\$\Omega\$18'02 2°\$\Omega\$46'55 3°\$\Omega\$49'12	3°07'13 0.67107 AU 25°42'57 1.35741 AU 0°00'45	asc. node retrograde evening set inferior conj minimum elong min. Earth dist. morning rise direct desc. node morning max el morning set max. Earth dist. superior conj	13213 Jun 02 14:44 13213 Jun 09 07:17 13213 Jun 13 07:54 13213 Jun 18 14:29 13213 Jun 18 14:23 13213 Jun 19 08:55 13213 Jun 23 20:33 13213 Jun 25 07:15 13213 Jun 29 09:57 13213 Jul 03 23:00 13213 Jul 05 18:43 13213 Jul 05 18:43 13213 Jul 10 16:53 13213 Jul 29 16:22 13213 Aug 15 05:52 13213 Aug 17 05:20 13213 Aug 18 21:15	11°\$43'08 15°\$05'43 13°\$32'53 7°\$28'42 7°\$29'03 6°\$25'38 1°\$07'46 30°\$II 28°II40'31 0°\$1'\$08'41 5°\$26'22 0°\$1 26°\$132'36 0°\$1 2°\$19'57'31	3°12'53 3°11'51 0.68176 AU 24°17'30 1.37979 AU -0°32'38
desc. node       13212 Oct 14 17:47       23°M.45'17       13213 Sep 19 19:39       0°M.         retrograde       13212 Oct 18 08:56       24°M.21'18       evening max el retrograde       13213 Sep 20 08:15       0°M.32'20 19°08'29         evening set       13212 Oct 20 10:05       24°M.10'30       retrograde       13213 Sep 29 09:24       5°M.04'04	minimum elong min. Earth dist. morning rise direct desc. node morning max el  morning set max. Earth dist.  superior conj minimum elong behind sun begin behind sun end asc. node	13212 Jul 04 08:49 13212 Jul 04 09:46 13212 Jul 05 17:21 13212 Jul 09 19:44 13212 Jul 15 20:34 13212 Jul 18 21:28 13212 Jul 28 06:47 13212 Aug 04 06:50 13212 Aug 24 17:15 13212 Sep 02 06:37 13212 Sep 05 22:46 13212 Sep 10 05:00  13212 Sep 11 20:36 13212 Sep 11 20:36 13212 Sep 11 14:25 13212 Sep 12 02:47 13212 Sep 12 02:47 13212 Sep 11 18:46	23°\$34'34 23°\$31'28 21°\$47'55 17°\$10'40 14°\$32'40 15°\$06'35 21°\$59'13 0°\$\Omega\$ 0°\$\mathbf{m}\$52'53 21°\$\mathbf{m}\$52'53 21°\$\mathbf{m}\$43'17 0°\$\mathbf{n}\$ 3°\$\mathbf{n}\$18'13 3°\$\mathbf{n}\$18'02 2°\$\mathbf{n}\$46'55 3°\$\mathbf{n}\$49'12 3°\$\mathbf{n}\$8'45	3°07'13 0.67107 AU 25°42'57 1.35741 AU 0°00'45	asc. node retrograde evening set inferior conj minimum elong min. Earth dist. morning rise direct desc. node morning max el morning set max. Earth dist. superior conj minimum elong	13213 Jun 02 14:44 13213 Jun 09 07:17 13213 Jun 13 07:54 13213 Jun 18 14:29 13213 Jun 18 14:23 13213 Jun 19 08:55 13213 Jun 23 20:33 13213 Jun 25 07:15 13213 Jun 29 09:57 13213 Jul 03 23:00 13213 Jul 05 18:43 13213 Jul 10 16:53 13213 Jul 10 16:53 13213 Jul 29 16:22 13213 Aug 17 05:20 13213 Aug 17 05:20 13213 Aug 18 21:15  13213 Aug 26 02:02 13213 Aug 26 04:16	11°\$43'08 15°\$05'43 13°\$32'53 7°\$28'42 7°\$29'03 6°\$25'38 1°\$07'46 30°\$II 28°II40'31 0°\$1'\$08'41 5°\$26'22 0°\$1 26°\$132'36 0°\$1 20°\$157'31	3°12'53 3°11'51 0.68176 AU 24°17'30 1.37979 AU -0°32'38
retrograde 13212 Oct 18 08:56 24°M21'18 evening max el 13213 Sep 20 08:15 0°M32'20 19°08'29 evening set 13212 Oct 20 10:05 24°M10'30 retrograde 13213 Sep 29 09:24 5°M04'04	minimum elong min. Earth dist. morning rise direct desc. node morning max el  morning set max. Earth dist.  superior conj minimum elong behind sun begin behind sun end asc. node	13212 Jul 04 08:49 13212 Jul 04 09:46 13212 Jul 05 17:21 13212 Jul 09 19:44 13212 Jul 15 20:34 13212 Jul 18 21:28 13212 Jul 28 06:47 13212 Aug 04 06:50 13212 Aug 24 17:15 13212 Sep 02 06:37 13212 Sep 05 22:46 13212 Sep 10 05:00  13212 Sep 11 20:38 13212 Sep 11 20:36 13212 Sep 11 14:25 13212 Sep 12 02:47 13212 Sep 11 18:46 13212 Sep 11 18:46 13212 Sep 19 17:31	23°\$34'34 23°\$31'28 21°\$47'55 17°\$10'40 14°\$32'40 15°\$06'35 21°\$59'13 0°\$\Omega\$ 0°\$\mathbf{m}\$52'53 21°\$\mathbf{m}\$43'17 0°\$\Omega\$ 3°\$\Omega\$18'13 3°\$\Omega\$18'02 2°\$\Omega\$46'55 3°\$\Omega\$49'12 3°\$\Omega\$08'45 19°\$\Omega\$27'10	3°07'13 0.67107 AU 25°42'57 1.35741 AU 0°00'45	asc. node retrograde evening set inferior conj minimum elong min. Earth dist. morning rise direct desc. node morning max el morning set max. Earth dist. superior conj minimum elong	13213 Jun 02 14:44 13213 Jun 09 07:17 13213 Jun 13 07:54 13213 Jun 18 14:29 13213 Jun 18 14:23 13213 Jun 19 08:55 13213 Jun 23 20:33 13213 Jun 25 07:15 13213 Jun 29 09:57 13213 Jul 03 23:00 13213 Jul 05 18:43 13213 Jul 10 16:53 13213 Jul 10 16:53 13213 Jul 29 16:22 13213 Aug 15 05:52 13213 Aug 17 05:20 13213 Aug 18 21:15  13213 Aug 26 02:02 13213 Aug 26 04:16 13213 Aug 29 15:22	11°\$43'08 15°\$05'43 13°\$32'53 7°\$28'42 7°\$29'03 6°\$25'38 1°\$07'46 30°\$II 28°II40'31 0°\$1'\$908'41 5°\$26'22 0°\$1 26°\$132'36 0°\$1 26°\$132'36 10°\$10 20°\$1057'31	3°12'53 3°11'51 0.68176 AU 24°17'30 1.37979 AU -0°32'38
evening set 13212 Oct 20 10:05 24°M10'30 retrograde 13213 Sep 29 09:24 5°M104'04	minimum elong min. Earth dist. morning rise direct desc. node morning max el  morning set max. Earth dist.  superior conj minimum elong behind sun begin behind sun end asc. node evening rise  evening max el	13212 Jul 04 08:49 13212 Jul 05 17:21 13212 Jul 09 19:44 13212 Jul 15 20:34 13212 Jul 18 21:28 13212 Jul 28 06:47 13212 Aug 04 06:50 13212 Aug 24 17:15 13212 Sep 02 06:37 13212 Sep 10 05:00  13212 Sep 11 20:38 13212 Sep 11 20:38 13212 Sep 11 14:25 13212 Sep 11 14:25 13212 Sep 12 02:47 13212 Sep 11 18:46 13212 Sep 19 17:31 13212 Sep 25 00:15 13212 Oct 07 16:10	23°\$34'34 23°\$31'28 21°\$47'55 17°\$10'40 14°\$32'40 15°\$06'35 21°\$59'13 0°\$\Omega\$ 0°\$\Omega\$ 14°\$\Omega\$2553 21°\$\Omega\$43'17 0°\$\Omega\$ 3°\$\Omega\$18'13 3°\$\Omega\$18'02 2°\$\Omega\$46'55 3°\$\Omega\$49'12 3°\$\Omega\$08'45 19°\$\Omega\$27'10 0°\$\Omega\$	3°07'13 0.67107 AU 25°42'57 1.35741 AU 0°00'45 0°00'41	asc. node retrograde evening set inferior conj minimum elong min. Earth dist. morning rise  direct  desc. node morning max el  morning set  max. Earth dist.  superior conj minimum elong asc. node	13213 Jun 02 14:44 13213 Jun 09 07:17 13213 Jun 18 14:29 13213 Jun 18 14:23 13213 Jun 19 08:55 13213 Jun 23 20:33 13213 Jun 25 07:15 13213 Jun 29 09:57 13213 Jul 03 23:00 13213 Jul 05 18:43 13213 Jul 05 18:43 13213 Jul 10 16:53 13213 Jul 29 16:22 13213 Aug 15 05:52 13213 Aug 17 05:20 13213 Aug 18 21:15  13213 Aug 26 04:16 13213 Aug 29 15:22 13213 Aug 29 15:22 13213 Sep 02 01:23 13213 Sep 03 19:16	11°\$43'08 15°\$05'43 13°\$32'53 7°\$28'42 7°\$29'03 6°\$25'38 1°\$07'46 30°RII 28°II40'31 0°\$1'\$508'41 5°\$26'22 0°\$1 26°\$132'36 0°\$1 2°\$155'31 16°\$19'28 16°\$19'28 16°\$19'28 16°\$19'28 16°\$19'28	3°12'53 3°11'51 0.68176 AU 24°17'30 1.37979 AU -0°32'38
	minimum elong min. Earth dist. morning rise direct desc. node morning max el  morning set max. Earth dist.  superior conj minimum elong behind sun begin behind sun end asc. node evening rise  evening max el desc. node	13212 Jul 04 08:49 13212 Jul 05 17:21 13212 Jul 09 19:44 13212 Jul 15 20:34 13212 Jul 18 21:28 13212 Jul 28 06:47 13212 Aug 04 06:50 13212 Aug 24 17:15 13212 Sep 02 06:37 13212 Sep 05 22:46 13212 Sep 10 05:00  13212 Sep 11 20:38 13212 Sep 11 20:38 13212 Sep 11 14:25 13212 Sep 11 14:25 13212 Sep 12 02:47 13212 Sep 11 18:46 13212 Sep 19 17:31 13212 Sep 25 00:15 13212 Oct 07 16:10 13212 Oct 14 17:47	23°\$34'34 23°\$31'28 21°\$47'55 17°\$10'40 14°\$32'40 15°\$06'35 21°\$59'13 0°\$\Omega\$ 0°\$\mathbf{m}\$52'53 21°\$\mathbf{m}\$43'17 0°\$\omega\$ 3°\$\omega\$18'13 3°\$\omega\$18'02 2°\$\omega\$46'55 3°\$\omega\$49'12 3°\$\omega\$27'10 0°\$\mathbf{m}\$ 19°\$\omega\$27'10 23°\$\mathbf{m}\$45'17	3°07'13 0.67107 AU 25°42'57 1.35741 AU 0°00'45 0°00'41	asc. node retrograde evening set inferior conj minimum elong min. Earth dist. morning rise  direct  desc. node morning max el  morning set  max. Earth dist.  superior conj minimum elong asc. node evening rise	13213 Jun 02 14:44 13213 Jun 09 07:17 13213 Jun 18 14:29 13213 Jun 18 14:23 13213 Jun 19 08:55 13213 Jun 23 20:33 13213 Jun 25 07:15 13213 Jun 29 09:57 13213 Jul 03 23:00 13213 Jul 05 18:43 13213 Jul 10 16:53 13213 Jul 29 16:22 13213 Aug 15 05:52 13213 Aug 17 05:20 13213 Aug 18 21:15  13213 Aug 26 02:02 13213 Aug 26 04:16 13213 Aug 29 15:22 13213 Aug 29 15:22 13213 Aug 29 15:22 13213 Sep 02 01:23 13213 Sep 03 19:16 13213 Sep 03 19:16	11°\$43'08 15°\$05'43 13°\$32'53 7°\$28'42 7°\$29'03 6°\$25'38 1°\$07'46 30°RII 28°II40'31 0°\$1'\$508'41 5°\$26'22 0°\$\Omega\$26'22 0°\$\Omega\$2'36 0°\$\Omega\$2'36 0°\$\Omega\$2'\$\Omega\$11 16°\$\Omega\$19'28 16°\$\Omega\$30'14 23°\$\Omega\$14'04 0°\$\Omega\$3°\$\Omega\$27'54 0°\$\Omega\$1	3°12'53 3°11'51 0.68176 AU 24°17'30 1.37979 AU -0°32'38 0°32'33
interior conj 13212 Oct 29 08:55 20°IIL13'09 -4°19'26 evening set 13213 Oct 01 05:58 4°IL53'26	minimum elong min. Earth dist. morning rise direct desc. node morning max el  morning set max. Earth dist.  superior conj minimum elong behind sun begin behind sun end asc. node evening rise  evening max el desc. node retrograde	13212 Jul 04 08:49 13212 Jul 04 09:46 13212 Jul 05 17:21 13212 Jul 09 19:44 13212 Jul 15 20:34 13212 Jul 18 21:28 13212 Jul 28 06:47 13212 Aug 04 06:50 13212 Aug 24 17:15 13212 Sep 02 06:37 13212 Sep 02 06:37 13212 Sep 10 05:00  13212 Sep 11 20:38 13212 Sep 11 20:38 13212 Sep 11 4:25 13212 Sep 11 14:25 13212 Sep 11 14:25 13212 Sep 11 18:46 13212 Sep 11 18:46 13212 Sep 19 17:31 13212 Sep 25 00:15 13212 Oct 07 16:10 13212 Oct 14 17:47 13212 Oct 18 08:56	23°\$34'34 23°\$31'28 21°\$47'55 17°\$10'40 14°\$32'40 15°\$06'35 21°\$59'13 0°\$\mathcal{O}\$ 0°\$\mathcal{m}\$\$117 0°\$\mathcal{O}\$\$218'13 3°\$\mathcal{O}\$\$18'02 2°\$\mathcal{O}\$\$46'55 3°\$\mathcal{O}\$\$49'12 3°\$\mathcal{O}\$\$27'10 0°\$\mathcal{M}\$\$19°\$\mathcal{O}\$\$27'10 23°\$\mathcal{M}\$\$45'17 24°\$\mathcal{O}\$\$118	3°07'13 0.67107 AU 25°42'57 1.35741 AU 0°00'45 0°00'41	asc. node retrograde evening set inferior conj minimum elong min. Earth dist. morning rise  direct  desc. node morning max el  morning set  max. Earth dist.  superior conj minimum elong asc. node evening rise  evening max el	13213 Jun 02 14:44 13213 Jun 09 07:17 13213 Jun 18 14:29 13213 Jun 18 14:23 13213 Jun 19 08:55 13213 Jun 23 20:33 13213 Jun 25 07:15 13213 Jun 29 09:57 13213 Jul 03 23:00 13213 Jul 05 18:43 13213 Jul 05 18:43 13213 Jul 10 16:53 13213 Jul 29 16:22 13213 Aug 15 05:52 13213 Aug 17 05:20 13213 Aug 18 21:15 13213 Aug 26 02:02 13213 Aug 26 04:16 13213 Aug 29 15:22 13213 Aug 29 15:22 13213 Sep 02 01:23 13213 Sep 03 19:16 13213 Sep 19 19:39 13213 Sep 20 08:15	11°\$43'08 15°\$05'43 13°\$32'53 7°\$28'42 7°\$29'03 6°\$25'38 1°\$07'46 30°\$II 28°II40'31 0°\$1'\$508'41 5°\$26'22 0°\$\Omega\$2'36 0°\$\Omega\$2'\$\Omega\$32'36 0°\$\Omega\$2'\$\Omega\$7'31 16°\$\Omega\$19'28 16°\$\Omega\$3'\$\Omega\$27'54 0°\$\Omega\$32'20	3°12'53 3°11'51 0.68176 AU 24°17'30 1.37979 AU -0°32'38 0°32'33
	minimum elong min. Earth dist. morning rise direct desc. node morning max el  morning set max. Earth dist.  superior conj minimum elong behind sun begin behind sun end asc. node evening rise  evening max el desc. node retrograde evening set	13212 Jul 04 08:49 13212 Jul 04 09:46 13212 Jul 05 17:21 13212 Jul 09 19:44 13212 Jul 15 20:34 13212 Jul 18 21:28 13212 Jul 28 06:47 13212 Aug 04 06:50 13212 Aug 24 17:15 13212 Sep 02 06:37 13212 Sep 05 22:46 13212 Sep 10 05:00  13212 Sep 11 20:38 13212 Sep 11 20:36 13212 Sep 11 14:25 13212 Sep 11 14:25 13212 Sep 11 18:46 13212 Sep 11 18:46 13212 Sep 19 17:31 13212 Sep 25 00:15 13212 Oct 07 16:10 13212 Oct 18 08:56 13212 Oct 20 10:05	23°\$34'34 23°\$31'28 21°\$47'55 17°\$10'40 14°\$32'40 15°\$06'35 21°\$59'13 0°\$\mathcal{Q}\$ 0°\$\mathcal{m}\$\$117 0°\$\mathcal{\Omega}\$\$21'8'13 3°\$\mathcal{\Omega}\$\$18'02 2°\$\mathcal{\Omega}\$\$46'55 3°\$\mathcal{\Omega}\$\$49'12 3°\$\mathcal{\Omega}\$\$49'12 3°\$\mathcal{\Omega}\$\$27'10 0°\$\mathcal{\Omega}\$\$\$19°\$\mathcal{\Omega}\$\$27'10 23°\$\mathcal{\Omega}\$\$\$45'17 24°\$\mathcal{\Omega}\$\$\$11'18 24°\$\mathcal{\Omega}\$\$\$11'13	3°07'13 0.67107 AU 25°42'57 1.35741 AU 0°00'45 0°00'41	asc. node retrograde evening set inferior conj minimum elong min. Earth dist. morning rise  direct  desc. node morning max el  morning set  max. Earth dist.  superior conj minimum elong asc. node  evening rise  evening max el retrograde	13213 Jun 02 14:44 13213 Jun 09 07:17 13213 Jun 18 14:29 13213 Jun 18 14:23 13213 Jun 19 08:55 13213 Jun 23 20:33 13213 Jun 25 07:15 13213 Jun 29 09:57 13213 Jul 03 23:00 13213 Jul 05 18:43 13213 Jul 10 16:53 13213 Jul 29 16:22 13213 Aug 15 05:52 13213 Aug 17 05:20 13213 Aug 18 21:15 13213 Aug 26 02:02 13213 Aug 26 04:16 13213 Aug 26 04:16 13213 Aug 29 15:22 13213 Sep 02 01:23 13213 Sep 03 19:16 13213 Sep 19 19:39 13213 Sep 20 08:15 13213 Sep 20 08:15	11°\$43'08 15°\$05'43 13°\$32'53 7°\$28'42 7°\$29'03 6°\$25'38 1°\$07'46 30°\$II 28°II40'31 0°\$1°\$08'41 5°\$26'22 0°\$\Omega\$2'36 0°\$\Omega\$2'36 0°\$\Omega\$2'\Omega\$7'31 16°\$\Omega\$19'28 16°\$\Omega\$19'28 16°\$\Omega\$19'14 23°\$\Omega\$14'04 0°\$\Omega\$27'54 0°\$\Omega\$1.32'20 5°\$\Omega\$104'04	3°12'53 3°11'51 0.68176 AU 24°17'30 1.37979 AU -0°32'38 0°32'33

desc. node	13213 Oct 01 15:16	4° <b>M</b> 48'37		inferior conj	13214 Sep 20 23:09	11° <b>≏</b> 52'49	-0°45'59
inferior conj	13213 Oct 09 17:26	0° <b>M</b> ₊40'57		minimum elong	13214 Sep 20 21:23	11° <b>≏</b> 56'21	0°45'10
minimum elong	13213 Oct 09 10:53		2°29'42	min. Earth dist.	13214 Sep 24 05:29	9° <b>≏</b> 18'32	0.57943 AU
	13213 Oct 10 17:30	30° <b>₽</b> Ω		morning rise	13214 Sep 28 09:36	6° <b>≏</b> 36'12	
min. Earth dist.	13213 Oct 12 11:47	28° <b>Ω</b> 49'03	0.56070 AU	direct	13214 Oct 04 12:45	4° <b>£</b> 59'46	
morning rise	13213 Oct 17 13:04	26° <b>Ω</b> 01'48		morning max el	13214 Oct 18 20:15	12° <b>£</b> 34'43	27°06'10
direct	13213 Oct 23 00:46	24° <b>₽</b> 52'07			13214 Nov 01 13:22	0°M	
	13213 Nov 03 19:58	0°M,	25046117	asc. node	13214 Nov 12 13:48	19°M14'33	
morning max el	13213 Nov 06 03:07	2°M02'53	25°46'17	. ,	13214 Nov 17 20:18	0° ⊀ <b>7</b>	
asc. node	13213 Nov 25 16:57	29°M53'54 0° <i>₹</i>		morning set	13214 Nov 18 02:47	0° <b>∡</b> ³34'27	
morning set	13213 Nov 25 18:16 13213 Dec 03 17:39	0 <b>x</b> . 16° <b>∡</b> '03'51		superior conj	13214 Nov 24 23:51	15° <b>∡</b> 742'11	1°33'22
morning set	13213 Dec 10 01:42	0°중		minimum elong	13214 Nov 24 23:31 13214 Nov 24 22:33	15° 🖈 34'56	1°34'15
	13213 Dec 10 01.42	0 0		max. Earth dist.	13214 Nov 25 02:02	15° × 54'20	1.31266 AU
superior conj	13213 Dec 10 12:17	0°る58'43	1°38'02	max. Lartii dist.	13214 Nov 23 02:02 13214 Dec 01 11:42	0°る	1.51200 AC
minimum elong	13213 Dec 10 12:17	0° <b>ろ</b> 56'53	1°39'03	evening rise	13214 Dec 01 11:42	0° <b>る</b> 39'05	
max. Earth dist.	13213 Dec 10 11:30		1.31743 AU	desc. node	13214 Dec 15 10:00	26° <b>る</b> 29'25	
evening rise	13213 Dec 17 14:07	16° <b>る</b> 17'38	1.517 15 110	desc. node	13214 Dec 17 14:37	0°≈	
evening rise	13213 Dec 24 12:39	0° <b>≈</b>		evening max el	13215 Jan 01 01:38	18°≈19'43	26°54'43
desc. node	13213 Dec 28 13:02	7°≈12'22		retrograde	13215 Jan 15 00:27	25°≈30'36	20 05
	13214 Jan 13 01:19	0° <b>₩</b>		evening set	13215 Jan 21 17:41	23°≈35'54	
evening max el	13214 Jan 18 21:43	6° <b>₩</b> 18'41	27°29'14	min. Earth dist.	13215 Jan 25 15:46	20°≈56'44	0.59687 AU
retrograde	13214 Feb 01 19:29	13° <b>)</b> 38'33		inferior conj	13215 Jan 28 20:14	18° <b>≈</b> 23'18	
evening set	13214 Feb 08 17:28	11° <b>)</b> €23'27		minimum elong	13215 Jan 29 03:25	18° <b>≈</b> 08'49	3°18'39
min. Earth dist.	13214 Feb 12 11:36	8° <b>¥</b> 28′02	0.61855 AU	morning rise	13215 Feb 05 16:12	13° <b>≈</b> 41'39	
inferior conj	13214 Feb 15 12:00	5° <b>)</b> 41'36	-1°59'35	direct	13215 Feb 07 17:31	13° <b>≈</b> 25'48	
minimum elong	13214 Feb 15 16:09	5° <b>)</b> 32′01	1°57'25	asc. node	13215 Feb 08 12:32	13° <b>≈</b> 28'15	
asc. node	13214 Feb 21 15:07	1° <b>)</b> 05′19		morning max el	13215 Feb 15 07:32	17° <b>≈</b> 11'58	18°08'25
morning rise	13214 Feb 22 17:39	0° <b>)</b> 39′20			13215 Feb 24 09:07	0° <b>)</b>	
direct	13214 Feb 24 22:21	0° <b>)</b> 18′05		morning set	13215 Mar 02 22:29	11° <b>)</b> 57′21	
morning max el	13214 Mar 03 18:13	3° <b>)</b> 45′28	17°48'55				
morning set	13214 Mar 19 12:19	28° <b>¥</b> 10′18		superior conj	13215 Mar 12 16:31	29° <b>)</b> 56′08	0°06'15
	13214 Mar 20 12:55	$0^{\circ}$ Y		minimum elong	13215 Mar 12 17:00	29° <b>¥</b> 58′21	0°06'16
desc. node	13214 Mar 26 14:47	10° <b>Ƴ</b> 43'53		behind sun begin	13215 Mar 12 09:55	29° <b>∺</b> 26'37	
				behind sun end	13215 Mar 13 00:05	0° <b>Ƴ</b> 30′00	
superior conj	13214 Mar 30 17:41	17° <b>Ƴ</b> 48'52			13215 Mar 12 17:22	$0$ ° $\mathbf{\gamma}$	
minimum elong	13214 Mar 30 14:39		0°31'35	desc. node	13215 Mar 13 11:18	1° <b>Y</b> 19'54	
max. Earth dist.	13214 Apr 06 19:49	29° <b>Ƴ</b> 34'07	1.43597 AU	max. Earth dist.	13215 Mar 20 07:36	13° <b>Y</b> 10′05	1.41698 AU
	13214 Apr 07 02:12	0° <b>8</b>		evening rise	13215 Mar 25 08:19	21° <b>Υ</b> 26'59	
evening rise	13214 Apr 14 00:21	10° <b>8</b> 58'59			13215 Mar 30 18:05	0°8	
	13214 Apr 26 15:08	0°Щ			13215 Apr 20 19:35	0°II	
evening max el	13214 May 15 06:30	24° <b>Ⅱ</b> 21'52	21°32'06	evening max el	13215 Apr 27 23:03	8° <b>Ⅱ</b> 11'42	22°50'54
asc. node	13214 May 20 11:55	28° <b>Ⅱ</b> 32'12		asc. node	13215 May 07 09:10	14° <b>Ⅱ</b> 07'57	
retrograde	13214 May 24 05:44 13214 May 28 16:58	29° <b>Ⅱ</b> 36'44 27° <b>Ⅱ</b> 47'29		retrograde	13215 May 08 02:19	14° <b>Ⅱ</b> 10'18 12° <b>Ⅱ</b> 05'58	
evening set inferior conj	13214 May 28 16:38 13214 Jun 02 23:07	21° <b>II</b> 32'14	3°06'01	evening set	13215 May 13 00:48 13215 May 18 08:43		2°48'40
minimum elong	13214 Jun 02 23:07	21° <b>II</b> 32'14 21° <b>II</b> 35'51	3°04'55	inferior conj minimum elong	13215 May 18 06:58	5° <b>Ⅱ</b> 48'00	2°47'28
min. Earth dist.	13214 Jun 03 04:05	21° <b>I</b> 14'56	0.68772 AU	min. Earth dist.	13215 May 18 00:38	6° <b>Ⅱ</b> 09'24	0.68893 AU
morning rise	13214 Jun 08 02:59	15° <b>Ⅱ</b> 16'37	0.00772 AO	iiiii. Lattii dist.	13215 May 18 00:48	30°R <b>8</b>	0.00073 AC
direct	13214 Jun 13 03:43	13° <b>Ⅱ</b> 06'01		morning rise	13215 May 23 13:01	29° <b>8</b> 32'54	
desc. node	13214 Jun 22 15:52	18° <b>Ⅱ</b> 31'26		direct	13215 May 28 00:46	27° <b>8</b> 42'20	
morning max el	13214 Jun 23 03:55	19° <b>Ⅱ</b> 01'19	22°47'50	ancer	13215 Jun 02 15:27	0°II	
	13214 Jul 02 09:26	0ంతె	,	morning max el	13215 Jun 05 18:56	2° <b>∏</b> 46′05	21°22'27
	13214 Jul 22 19:38	0°N		desc. node	13215 Jun 09 12:53	6° <b>Ⅱ</b> 53'28	
morning set	13214 Jul 27 06:00	7° <b>Ω</b> 09'54			13215 Jun 26 07:23	0ಂತಿ	
max. Earth dist.	13214 Jul 31 19:59		1.40329 AU	morning set	13215 Jul 07 05:00	16°5541'34	
				max. Earth dist.	13215 Jul 13 23:50	27°535'26	1.42505 AU
superior conj	13214 Aug 08 15:38	28° <b>Ω</b> 36′10	-1°07'33		13215 Jul 15 10:58	$0^{\circ}\Omega$	
minimum elong	13214 Aug 08 20:38	28° <b>Ω</b> 58'53					
-	13214 Aug 09 10:03	0° <b>m</b>		superior conj	13215 Jul 21 09:03	9° <b>Ω</b> 58'42	-1°40'07
asc. node	13214 Aug 16 11:58	13° <b>m</b> 13'37		minimum elong	13215 Jul 21 16:04	10° <b>Ω</b> 28'54	1°40'11
evening rise	13214 Aug 18 12:20	17° <b>m</b> 03'18		evening rise	13215 Aug 01 16:46	0°1003'30	
	13214 Aug 25 12:27	0∘ <b>⊽</b>			13215 Aug 01 15:59	0° <b>m</b>	
evening max el	13214 Sep 03 11:39	12° <b>≏</b> 47'09	18°27'04	asc. node	13215 Aug 03 08:37	3° Mp 03′42	
retrograde	13214 Sep 11 05:02	16° <b>≏</b> 41'19		evening max el	13215 Aug 17 22:18	25° m 37'32	18°06'08
evening set	13214 Sep 13 05:41	16° <b>≙</b> 25'57		retrograde	13215 Aug 24 18:46	29° <b>m</b> 07'50	
1 1	12214 0 10 12.47	120 0 44100			12215 4 27 02 40	200 m. 42140	

evening set

13215 Aug 27 02:40 28° Mp 43'49

desc. node

13214 Sep 18 12:47 13°**♀**44'00

inforior aoni	12215 San 02 02:01	22°m 50'16	0°42'38	inforior aoni	12216 Aug 15 22:27	60 m 26144	1°48'23
inferior conj	13215 Sep 03 02:01	23° My 50'16		inferior conj	13216 Aug 15 22:37	6° M) 26'44	
minimum elong	13215 Sep 03 03:20	23° Mp 47'13	0°41'55	minimum elong	13216 Aug 16 01:05	6° Mp 20'14	1°47'08
desc. node	13215 Sep 05 10:18	21° m/40'06	0.60164.477	min. Earth dist.	13216 Aug 18 19:18	3° Mp 27'21	0.62440 AU
min. Earth dist.	13215 Sep 06 07:39	20° m 52'25	0.60164 AU	morning rise	13216 Aug 22 09:22	0° mp 18'00	
morning rise	13215 Sep 10 00:51	18° Mp 02'17		desc. node	13216 Aug 22 07:47	0° m/20'53	
direct	13215 Sep 16 13:44	15° <b>m</b> 58'47			13216 Aug 22 19:36	30°R <b>Ω</b>	
morning max el	13215 Sep 30 21:09	23° <b>m</b> 51'33	27°50'37	direct	13216 Aug 29 01:43	27° <b>Ω</b> 52'41	
	13215 Oct 06 10:21	0∘ <b>⊽</b>			13216 Sep 04 20:40	0° <b>m</b> )	
	13215 Oct 25 19:59	0°M₊		morning max el	13216 Sep 12 04:01	5° <b>m</b> 54'20	27°56'01
asc. node	13215 Oct 30 10:32	8°M54'36			13216 Sep 30 09:56	0∘ <b>⊽</b>	
morning set	13215 Nov 02 07:48	14°M50'05		morning set	13216 Oct 16 06:41	28° <b>≏</b> 45'42	
max. Earth dist.	13215 Nov 08 10:08	28°M02'28	1.31303 AU	asc. node	13216 Oct 16 07:11	28° <b>≏</b> 48'13	
					13216 Oct 16 21:13	0° <b>M</b>	
superior conj	13215 Nov 09 11:04	0° <b>≯</b> ¹21'04	1°22'56	max. Earth dist.	13216 Oct 21 14:15	9°M56'50	1.31873 AU
minimum elong	13215 Nov 09 09:04	0° <b>∡</b> '09'59	1°23'33				
	13215 Nov 09 07:17	0° <b>∡</b> ¹		superior conj	13216 Oct 23 20:07	14°ML50'22	1°06'52
evening rise	13215 Nov 16 03:51	15° <b>∡</b> 08'42		minimum elong	13216 Oct 23 17:51	14°ML37'54	1°07'09
	13215 Nov 23 10:56	0°⋜		evening rise	13216 Oct 30 14:42	29°M41'50	
desc. node	13215 Dec 02 07:04	15° <b>る</b> 05'12		Ü	13216 Oct 30 18:05	0° <b>∡</b> ¹	
evening max el	13215 Dec 13 21:19	29° <b>る</b> 27'24	25°46'43		13216 Nov 16 04:19	5°0	
e venning man er	13215 Dec 14 11:18	0°≈	20 .0 .5	desc. node	13216 Nov 18 04:15	2°₹44'08	
retrograde	13215 Dec 27 19:02	6°≈28'54		evening max el	13216 Nov 24 09:27	9°₹49'19	24°13'43
evening set	13216 Jan 02 21:51	5°≈01'47		retrograde	13216 Dec 08 01:11	16° <b>る</b> 37'49	24 13 43
min. Earth dist.	13216 Jan 07 09:56	2°≈24'31	0.57594 AU	evening set	13216 Dec 13 02:22	15°る41'54	
		2 ≈24 31 0°≈20'19		min. Earth dist.	13216 Dec 13 02.22	13 <b>3</b> 41 34 12° <b>3</b> 48'13	0.55856 AU
inferior conj	13216 Jan 10 09:16						
minimum elong	13216 Jan 10 18:01	0°≈05'03	4°38'07	inferior conj	13216 Dec 21 01:34	11° <b>る</b> 27'28	
	13216 Jan 10 20:56	30°Rる		minimum elong	13216 Dec 21 07:24	11°る18'31	5°38'15
morning rise	13216 Jan 18 16:56	26°る00'59		morning rise	13216 Dec 29 14:24	7°る28'05	
direct	13216 Jan 20 19:41	25° <b>ප්</b> 47'01		direct	13217 Jan 01 02:18	7° <b>る</b> 11'51	
asc. node	13216 Jan 26 09:52	27° <b>る</b> 31'26		morning max el	13217 Jan 11 06:46	12° <b>පි</b> 05'10	19°51'19
morning max el	13216 Jan 29 13:03	0° <b>≈</b> 02'14	18°48'36	asc. node	13217 Jan 12 07:07	13° <b>පි</b> 06'34	
	13216 Jan 29 12:08	0° <b>≈</b>			13217 Jan 23 12:34	0° <b>≈</b>	
morning set	13216 Feb 14 19:37	26° <b>≈</b> 12'43		morning set	13217 Jan 29 00:05	10° <b>≈</b> 46′01	
	13216 Feb 16 18:03	0° <b>ℋ</b>					
	13216 Feb 16 18:03	0° <b>\</b>		superior conj	13217 Feb 05 19:51	26° <b>≈</b> 36′18	1°03'54
superior conj	13216 Feb 16 18:03 13216 Feb 23 10:46	0° <b>∺</b> 12° <b>∺</b> 56'14	0°38'35	superior conj minimum elong	13217 Feb 05 19:51 13217 Feb 05 22:38	26° <b>≈</b> 50′08	1°03'54 1°04'09
superior conj minimum elong			0°38'35 0°38'36	1 3			
	13216 Feb 23 10:46	12° <b>)</b> 56′14		1 3	13217 Feb 05 22:38	26° <b>≈</b> 50′08	
minimum elong	13216 Feb 23 10:46 13216 Feb 23 13:07	12° <b>¥</b> 56'14 13° <b>¥</b> 07'18		minimum elong	13217 Feb 05 22:38 13217 Feb 07 13:12	26°≈50'08 0° <b>∺</b>	1°04'09
minimum elong desc. node	13216 Feb 23 10:46 13216 Feb 23 13:07 13216 Feb 28 07:48	12° <b>米</b> 56′14 13° <b>米</b> 07′18 21° <b>米</b> 56′40	0°38'36	minimum elong max. Earth dist.	13217 Feb 05 22:38 13217 Feb 07 13:12 13217 Feb 11 20:57	26°≈50'08 0°¥ 8°¥15'44	1°04'09
minimum elong desc. node	13216 Feb 23 10:46 13216 Feb 23 13:07 13216 Feb 28 07:48 13216 Mar 01 14:49	12°\\$56'14 13°\\$07'18 21°\\$56'40 26°\\$01'54	0°38'36	minimum elong max. Earth dist. desc. node	13217 Feb 05 22:38 13217 Feb 07 13:12 13217 Feb 11 20:57 13217 Feb 14 04:21	26°≈50'08 0° <del>X</del> 8° <del>X</del> 15'44 12° <del>X</del> 30'47	1°04'09
minimum elong desc. node max. Earth dist.	13216 Feb 23 10:46 13216 Feb 23 13:07 13216 Feb 28 07:48 13216 Mar 01 14:49 13216 Mar 03 21:29	12°¥56'14 13°¥07'18 21°¥56'40 26°¥01'54 0°Υ 2°Υ49'55	0°38'36	minimum elong max. Earth dist. desc. node	13217 Feb 05 22:38 13217 Feb 07 13:12 13217 Feb 11 20:57 13217 Feb 14 04:21 13217 Feb 15 14:32	26°≈50'08 0° ℋ 8° ℋ15'44 12° ℋ30'47 15° ℋ04'43 0° ℉	1°04'09
minimum elong desc. node max. Earth dist. evening rise	13216 Feb 23 10:46 13216 Feb 23 13:07 13216 Feb 28 07:48 13216 Mar 01 14:49 13216 Mar 03 21:29 13216 Mar 05 13:17 13216 Mar 22 23:24	12°¥56'14 13°¥07'18 21°¥56'40 26°¥01'54 0°Υ	0°38'36 1.39502 AU	minimum elong max. Earth dist. desc. node	13217 Feb 05 22:38 13217 Feb 07 13:12 13217 Feb 11 20:57 13217 Feb 14 04:21 13217 Feb 15 14:32 13217 Feb 24 09:34	26°≈50'08 0° ℋ 8° ℋ15'44 12° ℋ30'47 15° ℋ04'43 0° ℉ 0° ❤	1°04'09
minimum elong desc. node max. Earth dist. evening rise evening max el	13216 Feb 23 10:46 13216 Feb 23 13:07 13216 Feb 28 07:48 13216 Mar 01 14:49 13216 Mar 03 21:29 13216 Mar 05 13:17 13216 Mar 22 23:24 13216 Apr 09 13:02	12°\text{\fish}56'14 13°\text{\fish}07'18 21°\text{\fish}56'40 26°\text{\fish}01'54 0°\text{\fish} 2°\text{\fish}49'55 0°\text{\fish} 22°\text{\fish}02'55	0°38'36 1.39502 AU	minimum elong max. Earth dist. desc. node evening rise evening max el	13217 Feb 05 22:38 13217 Feb 07 13:12 13217 Feb 11 20:57 13217 Feb 14 04:21 13217 Feb 15 14:32 13217 Feb 24 09:34 13217 Mar 17 15:46 13217 Mar 23 02:28	26°≈50'08 0° ₩ 8° ₩ 15'44 12° ₩ 30'47 15° ₩ 04'43 0° Ψ' 0° ₩ 5° ₩ 55'01	1°04'09 1.37265 AU
minimum elong desc. node max. Earth dist. evening rise evening max el retrograde	13216 Feb 23 10:46 13216 Feb 23 13:07 13216 Feb 28 07:48 13216 Mar 01 14:49 13216 Mar 03 21:29 13216 Mar 05 13:17 13216 Mar 22 23:24 13216 Apr 09 13:02 13216 Apr 20 19:47	12° ¥ 56'14 13° ¥ 07'18 21° ¥ 56'40 26° ¥ 01'54 0° Υ 2° Υ 49'55 0° ႘ 22° ႘ 02'55 28° ႘ 40'13	0°38'36 1.39502 AU	minimum elong max. Earth dist. desc. node evening rise evening max el retrograde	13217 Feb 05 22:38 13217 Feb 07 13:12 13217 Feb 11 20:57 13217 Feb 14 04:21 13217 Feb 15 14:32 13217 Feb 24 09:34 13217 Mar 17 15:46 13217 Mar 23 02:28 13217 Apr 04 08:53	26°≈50'08 0° ₩ 8° ₩ 15'44 12° ₩ 30'47 15° ₩ 04'43 0° Ψ 0° ₩ 5° ₩ 55'01 13° ₩ 00'24	1°04'09 1.37265 AU
minimum elong desc. node max. Earth dist. evening rise evening max el retrograde asc. node	13216 Feb 23 10:46 13216 Feb 23 13:07 13216 Feb 28 07:48 13216 Mar 01 14:49 13216 Mar 03 21:29 13216 Mar 05 13:17 13216 Mar 22 23:24 13216 Apr 09 13:02 13216 Apr 20 19:47 13216 Apr 23 06:31	12°¥56'14 13°¥07'18 21°¥56'40 26°¥01'54 0°Y 2°Y49'55 0°8 22°802'55 28°840'13	0°38'36 1.39502 AU	minimum elong max. Earth dist. desc. node evening rise  evening max el retrograde evening set	13217 Feb 05 22:38 13217 Feb 07 13:12 13217 Feb 11 20:57 13217 Feb 14 04:21 13217 Feb 15 14:32 13217 Feb 24 09:34 13217 Mar 17 15:46 13217 Mar 23 02:28 13217 Apr 04 08:53 13217 Apr 10 06:26	26°≈50'08 0° ₩ 8° ₩ 15'44 12° ₩ 30'47 15° ₩ 04'43 0° Ψ 0° ₩ 5° ₩ 55'01 13° ₩ 00'24 10° ₩ 33'50	1°04'09 1.37265 AU
minimum elong desc. node max. Earth dist. evening rise evening max el retrograde asc. node evening set	13216 Feb 23 10:46 13216 Feb 23 13:07 13216 Feb 28 07:48 13216 Mar 01 14:49 13216 Mar 03 21:29 13216 Mar 05 13:17 13216 Mar 22 23:24 13216 Apr 09 13:02 13216 Apr 20 19:47 13216 Apr 23 06:31 13216 Apr 26 05:50	12°\\$56'14 13°\\$07'18 21°\\$56'40 26°\\$01'54 0°\\$ 2°\\$49'55 0°\\$ 22°\\$02'55 28°\\$40'13 28°\\$13'20 26°\\$23'06	0°38'36 1.39502 AU 24°11'47	minimum elong max. Earth dist. desc. node evening rise  evening max el retrograde evening set asc. node	13217 Feb 05 22:38 13217 Feb 07 13:12 13217 Feb 11 20:57 13217 Feb 14 04:21 13217 Feb 15 14:32 13217 Feb 24 09:34 13217 Mar 17 15:46 13217 Mar 23 02:28 13217 Apr 04 08:53 13217 Apr 10 06:26 13217 Apr 10 03:54	26°≈50'08 0° ₩ 8° ₩ 15'44 12° ₩ 30'47 15° ₩ 04'43 0° Ψ 0° ₩ 5° ₩ 55'01 13° ₩ 00'24 10° ₩ 33'50 10° ₩ 39'06	1°04'09 1.37265 AU 25°27'49
minimum elong desc. node max. Earth dist. evening rise evening max el retrograde asc. node evening set min. Earth dist.	13216 Feb 23 10:46 13216 Feb 23 13:07 13216 Feb 28 07:48 13216 Mar 01 14:49 13216 Mar 03 21:29 13216 Mar 05 13:17 13216 Mar 22 23:24 13216 Apr 09 13:02 13216 Apr 20 19:47 13216 Apr 23 06:31 13216 Apr 26 05:50 13216 Apr 30 20:56	12°\\$56'14 13°\\$07'18 21°\\$56'40 26°\\$01'54 0°\\$ 2°\\$49'55 0°\\$ 22°\\$02'55 28°\\$40'13 28°\\$13'20 26°\\$23'06 21°\\$02'34	0°38'36 1.39502 AU 24°11'47 0.68546 AU	minimum elong max. Earth dist. desc. node evening rise  evening max el retrograde evening set asc. node min. Earth dist.	13217 Feb 05 22:38 13217 Feb 07 13:12 13217 Feb 11 20:57 13217 Feb 14 04:21 13217 Feb 15 14:32 13217 Feb 24 09:34 13217 Mar 17 15:46 13217 Mar 23 02:28 13217 Apr 04 08:53 13217 Apr 10 06:26 13217 Apr 10 03:54 13217 Apr 14 14:23	26°≈50'08 0° ₩ 8° ₩15'44 12° ₩30'47 15° ₩04'43 0° Ψ 0° ₩ 5° ₩55'01 13° ₩00'24 10° ₩33'50 10° ₩39'06 5° ₩48'49	1°04′09 1.37265 AU 25°27′49 0.67757 AU
minimum elong desc. node max. Earth dist. evening rise evening max el retrograde asc. node evening set min. Earth dist. inferior conj	13216 Feb 23 10:46 13216 Feb 23 13:07 13216 Feb 28 07:48 13216 Mar 01 14:49 13216 Mar 03 21:29 13216 Mar 05 13:17 13216 Mar 22 23:24 13216 Apr 09 13:02 13216 Apr 20 19:47 13216 Apr 23 06:31 13216 Apr 26 05:50 13216 Apr 30 20:56 13216 May 01 17:21	12°\text{\tinx}\text{\tinx}\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\tex{\tex	0°38'36 1.39502 AU 24°11'47 0.68546 AU 2°21'13	minimum elong  max. Earth dist. desc. node evening rise  evening max el retrograde evening set asc. node min. Earth dist. inferior conj	13217 Feb 05 22:38 13217 Feb 07 13:12 13217 Feb 11 20:57 13217 Feb 14 04:21 13217 Feb 15 14:32 13217 Feb 24 09:34 13217 Mar 17 15:46 13217 Mar 23 02:28 13217 Apr 04 08:53 13217 Apr 10 06:26 13217 Apr 10 03:54 13217 Apr 14 14:23 13217 Apr 15 23:07	26°≈50'08 0° ₩ 8° ₩15'44 12° ₩30'47 15° ₩04'43 0° Ψ 0° ₩ 5° ₩555'01 13° ₩00'24 10° ₩33'50 10° ₩39'06 5° ₩48'49 4° ₩03'19	1°04′09 1.37265 AU 25°27′49 0.67757 AU 1°43′30
minimum elong desc. node max. Earth dist.  evening rise  evening max el retrograde asc. node evening set min. Earth dist. inferior conj minimum elong	13216 Feb 23 10:46 13216 Feb 23 13:07 13216 Feb 28 07:48 13216 Mar 01 14:49 13216 Mar 03 21:29 13216 Mar 05 13:17 13216 Mar 22 23:24 13216 Apr 09 13:02 13216 Apr 20 19:47 13216 Apr 23 06:31 13216 Apr 26 05:50 13216 Apr 30 20:56 13216 May 01 17:21 13216 May 01 15:13	12°\\$56'14 13°\\$07'18 21°\\$56'40 26°\\$01'54 0°\\$ 2°\\$49'55 0°\\$ 22°\\$02'55 28°\\$40'13 28°\\$13'20 26°\\$23'06 21°\\$02'34 19°\\$53'34 20°\\$00'46	0°38'36 1.39502 AU 24°11'47 0.68546 AU	minimum elong max. Earth dist. desc. node evening rise  evening max el retrograde evening set asc. node min. Earth dist.	13217 Feb 05 22:38 13217 Feb 07 13:12 13217 Feb 11 20:57 13217 Feb 14 04:21 13217 Feb 15 14:32 13217 Feb 24 09:34 13217 Mar 17 15:46 13217 Mar 23 02:28 13217 Apr 04 08:53 13217 Apr 10 03:54 13217 Apr 10 03:54 13217 Apr 14 14:23 13217 Apr 15 23:07 13217 Apr 15 21:04	26°≈50'08 0° ₩ 8° ₩15'44 12° ₩30'47 15° ₩04'43 0° ℉ 0° ੴ 5° ੴ55'01 13° ੴ00'24 10° ੴ33'50 10° ੴ39'06 5° ੴ48'49 4° ੴ3'19 4° ੴ9'55	1°04′09 1.37265 AU 25°27′49 0.67757 AU
minimum elong desc. node max. Earth dist. evening rise evening max el retrograde asc. node evening set min. Earth dist. inferior conj minimum elong morning rise	13216 Feb 23 10:46 13216 Feb 23 13:07 13216 Feb 28 07:48 13216 Mar 01 14:49 13216 Mar 03 21:29 13216 Mar 05 13:17 13216 Mar 22 23:24 13216 Apr 09 13:02 13216 Apr 20 19:47 13216 Apr 23 06:31 13216 Apr 26 05:50 13216 Apr 30 20:56 13216 May 01 17:21 13216 May 01 15:13 13216 May 07 00:42	12° ¥ 56'14 13° ¥ 07'18 21° ¥ 56'40 26° ¥ 01'54 0° Υ 2° Υ 49'55 0° 8 22° 8 02'55 28° 8 40'13 28° 8 13'20 26° 8 23'06 21° 8 02'34 19° 8 53'34 20° 8 00'46 13° 8 52'17	0°38'36 1.39502 AU 24°11'47 0.68546 AU 2°21'13	minimum elong  max. Earth dist. desc. node evening rise  evening max el retrograde evening set asc. node min. Earth dist. inferior conj minimum elong	13217 Feb 05 22:38 13217 Feb 07 13:12 13217 Feb 11 20:57 13217 Feb 14 04:21 13217 Feb 15 14:32 13217 Feb 24 09:34 13217 Mar 17 15:46 13217 Mar 23 02:28 13217 Apr 04 08:53 13217 Apr 10 06:26 13217 Apr 10 03:54 13217 Apr 10 03:54 13217 Apr 15 23:07 13217 Apr 15 21:04 13217 Apr 19 08:52	26°≈50'08 0° H 8° H 15'44 12° H 30'47 15° H 04'43 0° Y 0° B 5° B 55'01 13° B 00'24 10° B 33'50 10° B 39'06 5° B 48'49 4° B 03'19 4° B 09'55 30° R Y	1°04′09 1.37265 AU 25°27′49 0.67757 AU 1°43′30
minimum elong desc. node max. Earth dist. evening rise evening max el retrograde asc. node evening set min. Earth dist. inferior conj minimum elong morning rise direct	13216 Feb 23 10:46 13216 Feb 23 13:07 13216 Feb 28 07:48 13216 Mar 01 14:49 13216 Mar 03 21:29 13216 Mar 05 13:17 13216 Mar 22 23:24 13216 Apr 09 13:02 13216 Apr 20 19:47 13216 Apr 23 06:31 13216 Apr 26 05:50 13216 Apr 30 20:56 13216 May 01 17:21 13216 May 01 15:13 13216 May 07 00:42 13216 May 10 23:56	12° ¥ 56'14 13° ¥ 07'18 21° ¥ 56'40 26° ¥ 01'54 0° Υ 2° Υ 49'55 0° ℧ 22° ℧ 02'55 28° ℧ 40'13 28° ℧ 13'20 26° ℧ 23'06 21° ℧ 02'34 19° ℧ 53'34 20° ℧ 00'46 13° ℧ 52'17 12° ℧ 22'37	0°38'36 1.39502 AU 24°11'47 0.68546 AU 2°21'13 2°19'57	minimum elong  max. Earth dist. desc. node evening rise  evening max el retrograde evening set asc. node min. Earth dist. inferior conj minimum elong  morning rise	13217 Feb 05 22:38 13217 Feb 07 13:12 13217 Feb 11 20:57 13217 Feb 14 04:21 13217 Feb 15 14:32 13217 Feb 24 09:34 13217 Mar 17 15:46 13217 Mar 23 02:28 13217 Apr 04 08:53 13217 Apr 10 06:26 13217 Apr 10 03:54 13217 Apr 14 14:23 13217 Apr 15 23:07 13217 Apr 15 21:04 13217 Apr 19 08:52 13217 Apr 19 08:52 13217 Apr 21 12:10	26°≈50'08 0°	1°04′09 1.37265 AU 25°27′49 0.67757 AU 1°43′30
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minimum elong desc. node max. Earth dist. evening rise evening max el retrograde asc. node evening set min. Earth dist. inferior conj minimum elong morning rise direct morning max el desc. node morning set max. Earth dist. superior conj minimum elong	13216 Feb 23 10:46 13216 Feb 23 13:07 13216 Feb 28 07:48 13216 Mar 01 14:49 13216 Mar 03 21:29 13216 Mar 05 13:17 13216 Mar 22 23:24 13216 Apr 09 13:02 13216 Apr 20 19:47 13216 Apr 23 06:31 13216 Apr 26 05:50 13216 Apr 30 20:56 13216 May 01 17:21 13216 May 01 15:13 13216 May 07 00:42 13216 May 10 23:56 13216 May 10 23:56 13216 May 26 09:45 13216 May 29 07:38 13216 Jun 15 09:10 13216 Jun 15 09:10 13216 Jun 15 09:10 13216 Jun 15 09:10 13216 Jun 01 02:57 13216 Jul 01 02:57 13216 Jul 01 08:51 13216 Jul 01 08:51 13216 Jul 06 22:41	12° \ 56'14 13° \ 707'18 21° \ 56'40 26° \ 701'54 0° \ 7 2° \ 749'55 0° \ 8 22° \ 802'55 28° \ 840'13 28° \ 813'20 26° \ 823'06 21° \ 802'34 19° \ 853'34 20° \ 800'46 13° \ 852'17 12° \ 822'37 16° \ 841'54 25° \ 858'24 0° \ 11 25° \ 126'09 0° \ 9 11° \ 909'07 20° \ 921'10 20° \ 945'15 0° \ \ \ 0° \ \ \ 0° \ \ \ 0°	0°38'36 1.39502 AU 24°11'47 0.68546 AU 2°21'13 2°19'57 20°07'41 1.44254 AU -2°04'28	minimum elong  max. Earth dist. desc. node evening rise  evening max el retrograde evening set asc. node min. Earth dist. inferior conj minimum elong  morning rise direct  morning max el desc. node greatest brilliancy  morning set max. Earth dist. superior conj	13217 Feb 05 22:38 13217 Feb 07 13:12 13217 Feb 11 20:57 13217 Feb 14 04:21 13217 Feb 15 14:32 13217 Feb 24 09:34 13217 Mar 17 15:46 13217 Mar 23 02:28 13217 Apr 04 08:53 13217 Apr 10 06:26 13217 Apr 10 03:54 13217 Apr 15 23:07 13217 Apr 15 21:04 13217 Apr 15 21:04 13217 Apr 21 12:10 13217 Apr 21 12:10 13217 Apr 24 23:45 13217 May 01 01:23 13217 May 01 01:23 13217 May 11 06:31 13217 May 12 18:40 13217 May 25 13:01 13217 May 25 13:01 13217 May 25 13:01 13217 Jun 08 02:00	26°≈50'08 0°	1°04'09 1.37265 AU 25°27'49  0.67757 AU 1°43'30 1°42'22  19°07'21 -0.7m  1.45399 AU -2°13'33
minimum elong desc. node max. Earth dist. evening rise evening max el retrograde asc. node evening set min. Earth dist. inferior conj minimum elong morning rise direct morning max el desc. node morning set max. Earth dist. superior conj minimum elong evening rise	13216 Feb 23 10:46 13216 Feb 23 13:07 13216 Feb 28 07:48 13216 Mar 01 14:49 13216 Mar 03 21:29 13216 Mar 05 13:17 13216 Mar 22 23:24 13216 Apr 09 13:02 13216 Apr 20 19:47 13216 Apr 23 06:31 13216 Apr 26 05:50 13216 Apr 30 20:56 13216 May 01 17:21 13216 May 01 15:13 13216 May 07 00:42 13216 May 10 23:56 13216 May 18 16:33 13216 May 26 09:45 13216 May 29 07:38 13216 Jun 15 09:10 13216 Jun 15 09:10 13216 Jun 15 09:10 13216 Jun 17:59 13216 Jun 18 07:59 13216 Jun 19 08:51 13216 Jul 01 02:57 13216 Jul 01 08:51 13216 Jul 01 08:51 13216 Jul 01 08:51 13216 Jul 01 03:40	12°\\$56'14 13°\\$707'18 21°\\$56'40 26°\\$01'54 0°\\$ 22°\\$49'55 0°\\$ 22°\\$02'55 28°\\$40'13 28°\\$13'20 26°\\$23'06 21°\\$02'34 19°\\$53'34 20°\\$00'46 13°\\$52'17 12°\\$22'37 16°\\$41'54 25°\\$58'24 0°\\$1 25°\\$126'09 0°\\$ 11°\\$09'07 20°\\$21'10 20°\\$45'15 0°\\$0 12°\\$116'26	0°38'36 1.39502 AU 24°11'47 0.68546 AU 2°21'13 2°19'57 20°07'41 1.44254 AU -2°04'28	minimum elong  max. Earth dist. desc. node evening rise  evening max el retrograde evening set asc. node min. Earth dist. inferior conj minimum elong  morning rise direct  morning max el desc. node greatest brilliancy  morning set max. Earth dist. superior conj	13217 Feb 05 22:38 13217 Feb 07 13:12 13217 Feb 11 20:57 13217 Feb 14 04:21 13217 Feb 15 14:32 13217 Feb 24 09:34 13217 Mar 17 15:46 13217 Mar 23 02:28 13217 Apr 04 08:53 13217 Apr 10 06:26 13217 Apr 10 03:54 13217 Apr 15 23:07 13217 Apr 15 21:04 13217 Apr 19 08:52 13217 Apr 21 12:10 13217 Apr 24 23:45 13217 May 01 01:23 13217 May 01 01:23 13217 May 13 06:31 13217 May 14 22:03 13217 May 25 13:01 13217 May 25 13:01 13217 Jun 08 02:00	26°≈50'08 0°	1°04'09 1.37265 AU 25°27'49  0.67757 AU 1°43'30 1°42'22  19°07'21 -0.7m  1.45399 AU -2°13'33
minimum elong desc. node max. Earth dist. evening rise evening max el retrograde asc. node evening set min. Earth dist. inferior conj minimum elong morning rise direct morning max el desc. node morning set max. Earth dist. superior conj minimum elong evening rise	13216 Feb 23 10:46 13216 Feb 23 13:07 13216 Feb 28 07:48 13216 Mar 01 14:49 13216 Mar 03 21:29 13216 Mar 05 13:17 13216 Mar 22 23:24 13216 Apr 09 13:02 13216 Apr 20 19:47 13216 Apr 23 06:31 13216 Apr 26 05:50 13216 Apr 30 20:56 13216 May 01 17:21 13216 May 01 15:13 13216 May 07 00:42 13216 May 10 23:56 13216 May 18 16:33 13216 May 26 09:45 13216 May 29 07:38 13216 Jun 15 09:10 13216 Jun 15 09:10 13216 Jun 18 07:59 13216 Jun 10 02:57 13216 Jul 01 02:57 13216 Jul 01 02:57 13216 Jul 01 02:57 13216 Jul 01 02:51 13216 Jul 01 08:51 13216 Jul 01 08:51 13216 Jul 04 03:40 13216 Jul 14 03:40 13216 Jul 20 05:21	12°\\$56'14 13°\\$07'18 21°\\$56'40 26°\\$01'54 0°\\$ 22°\\$49'55 0°\\$ 22°\\$02'55 28°\\$40'13 28°\\$13'20 26°\\$23'06 21°\\$02'34 19°\\$53'34 20°\\$00'46 13°\\$52'17 12°\\$22'37 16°\\$41'54 25°\\$58'24 0°\\$1 25°\\$126'09 0°\\$ 11°\\$09'07 20°\\$21'10 20°\\$45'15 0°\\$0 12°\\$\\$16'26 22°\\$39'55	0°38'36 1.39502 AU 24°11'47 0.68546 AU 2°21'13 2°19'57 20°07'41 1.44254 AU -2°04'28	minimum elong  max. Earth dist. desc. node evening rise  evening max el retrograde evening set asc. node min. Earth dist. inferior conj minimum elong  morning rise direct  morning max el desc. node greatest brilliancy morning set max. Earth dist. superior conj minimum elong	13217 Feb 05 22:38 13217 Feb 07 13:12 13217 Feb 11 20:57 13217 Feb 14 04:21 13217 Feb 15 14:32 13217 Feb 24 09:34 13217 Mar 17 15:46 13217 Mar 23 02:28 13217 Apr 04 08:53 13217 Apr 10 06:26 13217 Apr 10 03:54 13217 Apr 15 23:07 13217 Apr 15 21:04 13217 Apr 19 08:52 13217 Apr 21 12:10 13217 Apr 24 23:45 13217 May 01 01:23 13217 May 01 01:23 13217 May 13 06:31 13217 May 14 22:03 13217 May 25 13:01 13217 May 25 13:01 13217 Jun 08 02:00 13217 Jun 10 22:41 13217 Jun 10 22:41 13217 Jun 10 22:29 13217 Jun 11 01:21	26°≈50'08 0°	1°04'09 1.37265 AU 25°27'49 0.67757 AU 1°43'30 1°42'22 19°07'21 -0.7m 1.45399 AU -2°13'33
minimum elong desc. node max. Earth dist. evening rise evening max el retrograde asc. node evening set min. Earth dist. inferior conj minimum elong morning rise direct morning max el desc. node morning set max. Earth dist. superior conj minimum elong evening rise asc. node	13216 Feb 23 10:46 13216 Feb 23 13:07 13216 Feb 28 07:48 13216 Mar 01 14:49 13216 Mar 03 21:29 13216 Mar 05 13:17 13216 Mar 22 23:24 13216 Apr 20 19:47 13216 Apr 23 06:31 13216 Apr 26 05:50 13216 Apr 30 20:56 13216 May 01 17:21 13216 May 01 15:13 13216 May 07 00:42 13216 May 10 23:56 13216 May 18 16:33 13216 May 26 09:45 13216 May 29 07:38 13216 Jun 15 09:10 13216 Jun 18 07:59 13216 Jun 18 07:59 13216 Jul 01 02:57 13216 Jul 01 02:57 13216 Jul 01 02:57 13216 Jul 01 08:51 13216 Jul 01 02:51 13216 Jul 01 08:51 13216 Jul 01 05:21 13216 Jul 20 05:21 13216 Jul 20 05:21 13216 Jul 20 05:21	12°\\$56'14 13°\\$07'18 21°\\$56'40 26°\\$01'54 0°\\$ 22°\\$49'55 0°\\$ 22°\\$02'55 28°\\$40'13 28°\\$13'20 26°\\$23'06 21°\\$02'34 19°\\$53'34 20°\\$00'46 13°\\$52'17 12°\\$22'37 16°\\$41'54 25°\\$58'24 0°\\$1 25°\\$126'09 0°\\$ 11°\\$09'07 20°\\$21'10 20°\\$45'15 0°\\$1 12°\\$16'26 22°\\$39'55 0°\\$0	0°38'36  1.39502 AU  24°11'47  0.68546 AU 2°21'13 2°19'57  20°07'41  1.44254 AU -2°04'28 2°05'08	minimum elong  max. Earth dist. desc. node evening rise  evening max el retrograde evening set asc. node min. Earth dist. inferior conj minimum elong  morning rise direct  morning max el desc. node greatest brilliancy morning set max. Earth dist. superior conj minimum elong	13217 Feb 05 22:38 13217 Feb 07 13:12 13217 Feb 11 20:57 13217 Feb 14 04:21 13217 Feb 15 14:32 13217 Feb 24 09:34 13217 Mar 17 15:46 13217 Mar 23 02:28 13217 Apr 04 08:53 13217 Apr 10 06:26 13217 Apr 10 03:54 13217 Apr 15 23:07 13217 Apr 15 23:07 13217 Apr 15 21:04 13217 Apr 21 12:10 13217 Apr 24 23:45 13217 May 01 01:23 13217 May 01 01:23 13217 May 13 06:31 13217 May 14 22:03 13217 May 22 18:40 13217 May 25 13:01 13217 Jun 10 22:41 13217 Jun 10 22:41 13217 Jun 10 22:29 13217 Jun 11 01:21 13217 Jun 15 16:01	26°≈50'08 0°	1°04'09 1.37265 AU 25°27'49  0.67757 AU 1°43'30 1°42'22  19°07'21 -0.7m  1.45399 AU -2°13'33
minimum elong desc. node max. Earth dist. evening rise evening max el retrograde asc. node evening set min. Earth dist. inferior conj minimum elong morning rise direct morning max el desc. node morning set max. Earth dist. superior conj minimum elong evening rise asc. node evening rise asc. node	13216 Feb 23 10:46 13216 Feb 23 13:07 13216 Feb 28 07:48 13216 Mar 01 14:49 13216 Mar 03 21:29 13216 Mar 05 13:17 13216 Mar 22 23:24 13216 Apr 20 19:47 13216 Apr 23 06:31 13216 Apr 26 05:50 13216 Apr 30 20:56 13216 May 01 17:21 13216 May 01 15:13 13216 May 01 02:56 13216 May 10 23:56 13216 May 10 23:56 13216 May 10 23:56 13216 May 10 23:56 13216 May 20 09:45 13216 May 20 07:38 13216 Jun 15 09:10 13216 Jun 15 09:10 13216 Jun 15 09:10 13216 Jun 17:59 13216 Jun 18 07:59 13216 Jun 19 07:59 13216 Jun 19 07:59 13216 Jun 19 07:51	12° \ 56'14 13° \ 707'18 21° \ 56'40 26° \ 101'54 0° \ 7 2° \ 749'55 0° \ 22° \ 302'55 28° \ 340'13 28° \ 313'20 26° \ 23'06 21° \ 502'34 19° \ 53'34 20° \ 300'46 13° \ 552'17 12° \ 22'37 16° \ 341'54 25° \ 150'9 0° \ 11° \ 509'07 20° \ 21'10 20° \ 245'15 0° \ \ 12° \ \ 116'26 22° \ \ \ 139'55 0° \ \ \ 10° \ \ 16'26 22° \ \ \ \ 139'55 0° \ \ \ \ 10° \ \ 16'16'16	0°38'36  1.39502 AU  24°11'47  0.68546 AU 2°21'13 2°19'57  20°07'41  1.44254 AU -2°04'28 2°05'08	minimum elong  max. Earth dist. desc. node evening rise  evening max el retrograde evening set asc. node min. Earth dist. inferior conj minimum elong  morning rise direct  morning max el desc. node greatest brilliancy  morning set max. Earth dist.  superior conj minimum elong  evening rise	13217 Feb 05 22:38 13217 Feb 07 13:12 13217 Feb 11 20:57 13217 Feb 14 04:21 13217 Feb 15 14:32 13217 Feb 24 09:34 13217 Mar 17 15:46 13217 Mar 23 02:28 13217 Apr 04 08:53 13217 Apr 10 06:26 13217 Apr 10 03:54 13217 Apr 15 23:07 13217 Apr 15 23:07 13217 Apr 15 21:04 13217 Apr 21 12:10 13217 Apr 24 23:45 13217 May 01 01:23 13217 May 01 01:23 13217 May 13 06:31 13217 May 14 22:03 13217 May 22 18:40 13217 May 25 13:01 13217 Jun 10 22:41 13217 Jun 10 22:41 13217 Jun 10 22:29 13217 Jun 10 1:21 13217 Jun 10 22:29 13217 Jun 10 1:21 13217 Jun 25 16:01 13217 Jun 29 15:12	26°≈50'08 0°	1°04'09 1.37265 AU 25°27'49 0.67757 AU 1°43'30 1°42'22 19°07'21 -0.7m 1.45399 AU -2°13'33

natra ara da	12217 Jul 21 11:26	250 052110		avanina aat	12210 I.J. 00 16:21	00 0 1611 1	
retrograde	13217 Jul 21 11:36 13217 Jul 24 12:18	25°Ω52'18 25°Ω01'42		evening set inferior conj	13218 Jul 08 16:21 13218 Jul 14 04:57	8°Ω46'14 3°Ω02'30	2°59'43
evening set	13217 Jul 24 12.18 13217 Jul 30 08:49	$19^{\circ}\Omega 33'03$	2°32'59	minimum elong	13218 Jul 14 04:37	$2^{\circ}\Omega 57'39$	2°58'36
inferior conj minimum elong	13217 Jul 30 08.49 13217 Jul 30 11:08	$19^{\circ} \Omega 26'15$	2°31'43	min. Earth dist.	13218 Jul 14 06.29	0° <b>Ω</b> 53'28	0.66291 AU
min. Earth dist.	13217 Jul 30 11:08 13217 Aug 01 16:16	19 <b>δ (</b> 2013	0.64536 AU	iiiii. Eartii tiist.	13218 Jul 15 21:47	30°R95	0.00291 AU
morning rise	13217 Aug 01 10.10 13217 Aug 05 08:37	$13^{\circ}\Omega 13'17$	0.04330 AU	morning rise	13218 Jul 19 19:53	30 k≌ 26°€38'47	
Č	•	$13^{\circ} \Omega 13^{\circ} 17$ $11^{\circ} \Omega 01'28$					
desc. node direct	13217 Aug 09 05:14	$10^{\circ} \Omega 35'22$		direct desc. node	13218 Jul 26 02:24 13218 Jul 27 02:37	23°\$58'23 24°\$02'06	
morning max el	13217 Aug 11 22:27 13217 Aug 25 14:06	$10^{\circ} 03322$ $18^{\circ} \Omega 33'59$	27025125	desc. node		24 <b>3</b> 02 06 0°Ω	
morning max er	Č		21 23 33		13218 Aug 06 07:58		26826128
	13217 Sep 04 05:47	0° <b>ⴀ</b> 0°ആ		morning max el	13218 Aug 08 01:12	1° <b>Ω</b> 40'19	20-20-28
	13217 Sep 23 08:43				13218 Aug 29 08:19	0° M)	
morning set	13217 Sep 29 20:50	12° <b>Ω</b> 14'07		morning set	13218 Sep 12 23:07	25° Mp 08'08	
asc. node	13217 Oct 03 03:48	18° <b>£</b> 49'57	1 22002 411	D d E d	13218 Sep 15 12:21	0∘ <b>ত</b>	1 24611 477
max. Earth dist.	13217 Oct 04 10:48	21° <b>≏</b> 29'35	1.32983 AU	max. Earth dist.	13218 Sep 16 21:42	2° <b>Ω</b> 42'36	1.34611 AU
	12217 0-4 00 00.54	200 0 02125	0045115	asc. node	13218 Sep 20 00:24	8° <b>≏</b> 55'58	
superior conj	13217 Oct 08 00:54	29° <b>₽</b> 03'35	0°45'15		12210 0 21 22 02	120 0 5 414 5	0010122
minimum elong	13217 Oct 07 22:55	28° <b>♀</b> 52'56	0°45'16	superior conj	13218 Sep 21 23:03	12° <b>£</b> 54'45	0°18'22
	13217 Oct 08 11:26	0°M		minimum elong	13218 Sep 21 22:03	12° <b>≏</b> 49'38	0°18'17
evening rise	13217 Oct 15 01:43	14°M12'53		evening rise	13218 Sep 29 11:00	28° <b>△</b> 37'06	
	13217 Oct 22 22:14	0° <b>∡</b>			13218 Sep 30 02:55	0° <b>™</b>	
desc. node	13217 Nov 05 01:31	19° <b>∡</b> *04'37 −			13218 Oct 18 10:35	0° <b>∡</b> ¹	
evening max el	13217 Nov 05 19:55	19° <b>∡</b> 50'41	22°31'35	evening max el	13218 Oct 18 14:07	0° <b>≯</b> 08'50	20°57'27
retrograde	13217 Nov 18 18:22	26° <b>≯</b> 15'40		desc. node	13218 Oct 22 22:54	3° <b>х</b> 40′42	
evening set	13217 Nov 22 10:17	25° <b>∡</b> ′46′19		retrograde	13218 Oct 30 05:05	5° <b>₹</b> 55'25	
min. Earth dist.	13217 Nov 30 03:40	22° <b>∡</b> 17'59	0.54767 AU	evening set	13218 Nov 01 16:12	5° <b>∡</b> ¹40'58	
inferior conj	13217 Dec 01 00:13	21° <b>∡</b> ¹48'58	-5°54'11	inferior conj	13218 Nov 10 15:37	1° <b>₰</b> 747'03	-5°08'59
minimum elong	13217 Nov 30 21:51	21° <b>х</b> 52'19	5°53'06	minimum elong	13218 Nov 10 06:17	2° <b>х</b> 00′19	5°06'06
morning rise	13217 Dec 09 10:40	18° <b>∤</b> 01'18		min. Earth dist.	13218 Nov 11 09:50	1° <b>≯</b> 21'12	0.54551 AU
direct	13217 Dec 12 16:31	17° <b>∡</b> ³37'24			13218 Nov 13 20:53	30°RM₊	
morning max el	13217 Dec 24 10:03	23° <b>∡</b> 13′28	21°16'55	morning rise	13218 Nov 18 20:40	27° <b>M</b> 54'12	
asc. node	13217 Dec 30 04:17	29° <b>∡</b> 56'55		direct	13218 Nov 23 00:17	27° <b>M</b> 17'18	
	13217 Dec 30 05:11	0° <b>ප</b>			13218 Dec 01 12:14	0° <b>∡</b> ¹	
morning set	13218 Jan 13 09:09	25° <b>る</b> 29'14		morning max el	13218 Dec 06 00:54	3° <b>҂</b> ³34'37	23°00'28
	13218 Jan 15 12:46	0° <b>≈</b>		asc. node	13218 Dec 17 01:23	17° <b>∡</b> ¹45'53	
					13218 Dec 23 20:41	0°రె	
superior conj	13218 Jan 20 15:43	10° <b>≈</b> 44'58	1°22'01	morning set	13218 Dec 28 20:33	10° <b>る</b> 15'39	
minimum elong	13218 Jan 20 18:03	10° <b>≈</b> 57'03	1°22'36	-			
max. Earth dist.	13218 Jan 25 07:12	20° <b>≈</b> 10'34	1.35208 AU	superior conj	13219 Jan 04 19:06	25° <b>る</b> 12'42	1°33'15
evening rise	13218 Jan 29 08:56	28° <b>≈</b> 02'25		minimum elong	13219 Jan 04 20:30	25° <b>る</b> 20'12	1°34'08
C	13218 Jan 30 10:06	0° <b>∀</b>		Č	13219 Jan 07 01:07	0° <b>≈</b>	
desc. node	13218 Feb 01 00:59	2° <b>¥</b> 58'26		max. Earth dist.	13219 Jan 08 00:45	2°≈04'02	1.33500 AU
	13218 Feb 17 16:26	$0^{\circ}\Upsilon$		evening rise	13219 Jan 12 16:51	11° <b>≈</b> 33'18	
evening max el	13218 Mar 05 16:18	19° <b>Ƴ</b> 43'09	26°31'36	desc. node	13219 Jan 18 21:41	23° <b>≈</b> 14'42	
retrograde	13218 Mar 18 16:39	27° <b>Y</b> ′04'21			13219 Jan 22 18:32	0° <b>∀</b>	
evening set	13218 Mar 25 00:53	24° <b>Y</b> '32'37			13219 Feb 13 01:21	0°Υ	
asc. node	13218 Mar 28 01:20	21° <b>Y</b> '35'56		evening max el	13219 Feb 16 05:48	3° <b>Υ</b> 16'37	27°15'42
min. Earth dist.	13218 Mar 29 02:55	20° <b>Υ</b> 22'18	0.66551 AU	retrograde	13219 Mar 01 18:14	10° <b>Y</b> '43'20	2, 10 .2
inferior conj	13218 Mar 30 23:59	18° <b>Y</b> 06'50	0°55'09	evening set	13219 Mar 08 11:07	8° <b>Υ</b> 12'01	
minimum elong	13218 Mar 30 22:38	18° <b>Υ</b> 10'54	0°54'27	min. Earth dist.	13219 Mar 12 08:21	4° <b>Υ</b> '34'29	0.64965 AU
morning rise	13218 Apr 05 21:22	12° <b>Υ</b> 25'28	0 3127	inferior conj	13219 Mar 14 17:28	1° <b>Υ</b> 57'33	
direct	13218 Apr 08 22:26	11° <b>Υ</b> 33'34		minimum elong	13219 Mar 14 17:35	1° <b>Y</b> 57'13	0°04'11
morning max el	13218 Apr 15 09:31	14° <b>Υ</b> 59'24	18°23'19	transit middle	13219 Mar 14 17:35	1° <b>Y</b> 57'13	0°04'11
morning max cr	13218 Apr 26 13:41	0°8	10 23 17	transit begin	13219 Mar 14 14:39	2° <b>Υ</b> 05'19	0 0411
desc. node	•	5° <b>8</b> 33'51		transit begin	13219 Mar 14 20:31	1° <b>Υ</b> 49'08	
	13218 Apr 30 03:13	14° <b>8</b> 08'54		asc. node	13219 Mar 14 20.31 13219 Mar 14 22:48	1 ° <b>γ</b> 49'08	
morning set	13218 May 05 13:19	0°Ⅱ		asc. node		1 1 42 31 30° <b>₹</b>	
	13218 May 15 14:23	υд		marnina rias	13219 Mar 16 13:21		
avmani '	12210 M 21 07 20	00 П с 210 Л	2002127	morning rise	13219 Mar 21 01:47	26° <b>¥</b> 29'23	
superior conj	13218 May 21 06:38	8°Ⅲ53'07		direct	13219 Mar 23 17:34	25° <b>¥</b> 52'15	1705 (111
minimum elong	13218 May 20 23:16	8° <b>Ⅱ</b> 24'20		morning max el	13219 Mar 30 01:47	29° <b>)</b> €09'57	17°56'11
max. Earth dist.	13218 May 21 21:39	9° <b>Ⅱ</b> 51'45	1.45827 AU		13219 Mar 30 21:24	0°Υ 25° <b>20</b> 25102	
	13218 Jun 03 18:49	0°®		morning set	13219 Apr 16 18:00	25° <b>Y</b> °25′03	
evening rise	13218 Jun 06 03:56	3°5544'08		desc. node	13219 Apr 16 23:50	25° <b>Y</b> 49'10	
greatest brilliancy	13218 Jun 15 21:30	18° <b>©</b> 57'16	-0.8m		13219 Apr 19 12:39	0° <b>8</b>	
_	13218 Jun 23 09:42	0° <b>Ω</b>				4004.4:	
asc. node	13218 Jun 23 23:05	0° <b>Ω</b> 45'00		superior conj	13219 Apr 30 20:11	18° <b>8</b> 17'54	
evening max el	13218 Jun 28 13:20	6° <b>Ω</b> 11'03	18°55'06	minimum elong	13219 Apr 30 11:14	17° <b>8</b> 42'18	
retrograde	13218 Jul 05 06:47	9° <b>Ω</b> 52'57		max. Earth dist.	13219 May 04 17:58	24° <b>8</b> 28'01	1.45503 AU

	13219 May 08 06:54	0°Щ		max. Earth dist.	13220 Apr 16 11:55	8° <b>8</b> 50'24	1.44470 AU
evening rise	13219 May 16 20:41	13° <b>Ⅱ</b> 15′09		evening rise	13220 Apr 25 08:04	22° <b>8</b> 40'47	
	13219 May 27 21:18	0°€			13220 Apr 30 03:20	0°Щ	
greatest brilliancy	13219 May 31 02:30	4°545'23	-0.6m		13220 May 21 10:09	0°©	
asc. node	13219 Jun 10 20:06	18°957'04	10045127	evening max el	13220 May 24 19:38	3°545'23	20°49'57
evening max el	13219 Jun 11 19:25	19° <b>©</b> 57'47 24° <b>©</b> 09'20	19°45'27	asc. node	13220 May 27 17:12	6° <b>©</b> 20'17 8° <b>©</b> 36'03	
retrograde evening set	13219 Jun 19 05:02 13219 Jun 22 23:57	24 309 20 22° 545'56		retrograde evening set	13220 Jun 02 03:59 13220 Jun 06 08:59	6°956'08	
inferior conj	13219 Jun 28 07:53	16° <b>©</b> 48'33	3°11'43	inferior conj	13220 Jun 11 15:04	0°936'45	3°11'18
minimum elong	13219 Jun 28 08:23	16°946'53	3°10'42	minimum elong	13220 Jun 11 14:33	0°548'33	3°10'15
min. Earth dist.	13219 Jun 29 10:14	15° <b>©</b> 20'17	0.67618 AU	min. Earth dist.	13220 Jun 12 03:39	0° <b>©</b> 03'09	0.68484 AU
morning rise	13219 Jul 03 16:25	10°525'38	,		13220 Jun 12 04:34	30°R <b>Ⅱ</b>	
direct	13219 Jul 09 12:30	7° <b>9</b> 51'40		morning rise	13220 Jun 16 19:51	24° <b>Ⅱ</b> 27'39	
desc. node	13219 Jul 13 23:55	9° <b>©</b> 05'10		direct	13220 Jun 22 03:49	22° <b>I</b> 107'03	
morning max el	13219 Jul 21 11:52	15° <b>©</b> 02'20	25°07'49	desc. node	13220 Jun 29 21:08	25° <b>Ⅱ</b> 43'53	
	13219 Aug 02 18:20	$0^{\circ}\Omega$		morning max el	13220 Jul 02 22:10	28° <b>Ⅲ</b> 32'49	23°39'19
	13219 Aug 22 05:09	0° <b>™</b>			13220 Jul 04 07:35	$0$ $\circ$ $\odot$	
morning set	13219 Aug 26 09:34	7° <b>m</b> ) 18'07			13220 Jul 26 11:24	$0$ $^{\circ}$ $\Omega$	
max. Earth dist.	13219 Aug 29 23:38	13° <b>m</b> 49'30	1.36663 AU	morning set	13220 Aug 06 23:30	18° <b>Ω</b> 32'14	
				max. Earth dist.	13220 Aug 10 21:10	25° <b>Ω</b> 15'34	1.38972 AU
superior conj	13219 Sep 05 11:33	26° Mp 16'18			13220 Aug 13 13:17	0° <b>™</b>	
minimum elong	13219 Sep 05 12:23	26° TD 20'25	0°13'03				
behind sun begin	13219 Sep 05 08:33	26° Mp 01'31		superior conj	13220 Aug 18 10:42	8° Mp 58'57	
behind sun end	13219 Sep 05 16:13	26° Mp 39'22		minimum elong	13220 Aug 18 14:06	9° Mp 14'55	0°47'19
asc. node	13219 Sep 06 21:01 13219 Sep 07 08:32	29°Mp02'26 0° <b>₽</b>		asc. node evening rise	13220 Aug 23 17:37 13220 Aug 27 14:44	19° Mp 05'15 26° Mp 38'58	
evening rise	13219 Sep 07 08.32 13219 Sep 13 16:16	0 <b>=</b> 12° <b>£</b> 48'27		evening rise	13220 Aug 27 14.44 13220 Aug 29 08:09	0° <b>⊽</b>	
evening rise	13219 Sep 13 10:10 13219 Sep 22 17:27	0°M		evening max el	13220 Aug 27 08:07	23° <b>⊆</b> 00'12	18°48'20
evening max el	13219 Sep 22 17:27 13219 Sep 30 22:05	11°M10'28	19°42'01	retrograde	13220 Sep 12 15:25 13220 Sep 21 06:05	27° <b>Ω</b> 14'40	10 10 20
desc. node	13219 Oct 09 20:19	16°M06'15		evening set	13220 Sep 23 03:32	27° <b>Ω</b> 02'40	
retrograde	13219 Oct 10 21:44	16°M09'29		desc. node	13220 Sep 25 17:49	26° <b>≙</b> 10′26	
evening set	13219 Oct 12 19:15	15°M59'29		inferior conj	13220 Oct 01 07:43	22° <b>≏</b> 41'57	-1°46'00
inferior conj	13219 Oct 21 14:32	11°M56'23	-3°35'56	minimum elong	13220 Oct 01 03:18	22° <b>≏</b> 49'58	1°43'57
minimum elong	13219 Oct 21 05:30	12°M10'30	3°32'14	min. Earth dist.	13220 Oct 04 09:04	20° <b>≏</b> 29'51	0.56794 AU
min. Earth dist.	13219 Oct 23 18:51	10°M34'43	0.55267 AU	morning rise	13220 Oct 08 23:45	17° <b>≏</b> 46'17	
morning rise	13219 Oct 29 14:00	7°M37'36		direct	13220 Oct 14 18:30	16° <b>≏</b> 25'27	
direct	13219 Nov 03 14:24	6° <b>™</b> 41'54		morning max el	13220 Oct 29 00:10	23° <b>△</b> 48'17	26°23'59
morning max el	13219 Nov 17 11:00	13°M35'37	24°48'54		13220 Nov 03 15:20	0°M	
,	13219 Nov 30 04:59	0° 🗷		asc. node	13220 Nov 19 19:17	25°M25'03	
asc. node	13219 Dec 03 22:23 13219 Dec 13 08:28	6° ₹ 19'17 25° ₹ 00'08		morning set	13220 Nov 22 03:45	0° <b>҂</b> 9° <b>҂</b> 36'46	
morning set	13219 Dec 15 08.28 13219 Dec 15 15:46	23 x・00 08		morning set	13220 Nov 26 19:05	9 8.3040	
	13219 DCC 13 13.40	0 0		superior conj	13220 Dec 03 14:18	24° <b>₹</b> ³35'38	1°36'47
superior conj	13219 Dec 20 03:23	9° <b>⋜</b> 52'08	1°38'03	minimum elong	13220 Dec 03 13:32	24° 🗷 31'23	1°37'45
minimum elong	13219 Dec 20 03:41	9° <b>る</b> 53'46	1°39'04	max. Earth dist.	13220 Dec 04 08:00	26° 🖈 14'13	1.31474 AU
max. Earth dist.	13219 Dec 22 01:43	14° <b>る</b> 05'25	1.32241 AU		13220 Dec 06 00:46	0°ెెె	
evening rise	13219 Dec 27 11:04	25° <b>る</b> 29'34		evening rise	13220 Dec 10 12:44	9° <b>ප</b> 43'18	
	13219 Dec 29 16:45	0°≈			13220 Dec 21 00:13	0°≈	
desc. node	13220 Jan 05 18:30	13° <b>≈</b> 14'11		desc. node	13220 Dec 22 15:23	2° <b>≈</b> 48'56	
	13220 Jan 16 05:39	0° <b>)</b> €		evening max el	13221 Jan 11 00:46	28° <b>≈</b> 51′27	27°18'45
evening max el	13220 Jan 29 17:21	16° <b>∺</b> 23'34	27°33'16		13221 Jan 12 06:41	0° <b>∀</b>	
retrograde	13220 Feb 12 12:57	23° <b>)</b> 48′11		retrograde	13221 Jan 24 23:39	6° <b>∺</b> 08′29	
evening set	13220 Feb 19 10:40	21° <b>)</b> 24'31		evening set	13221 Jan 31 20:27	4° <b>)</b> €00'58	
min. Earth dist.	13220 Feb 23 04:53		0.63059 AU	min. Earth dist.	13221 Feb 04 15:18	1° <b>)</b> 13′46	0.60938 AU
inferior conj	13220 Feb 26 00:41	15° <b>)</b> €28'32			13221 Feb 06 01:39	30°R≈	202.4100
minimum elong	13220 Feb 26 03:09	15° <b>¥</b> 22'25 12° <b>¥</b> 02'09	1°13′20	inferior conj	13221 Feb 07 18:19	28°≈30'35	
asc. node morning rise	13220 Feb 29 20:14 13220 Mar 03 22:11	12° <del>X</del> 02'09 10° <del>X</del> 16'15		minimum elong morning rise	13221 Feb 07 23:48 13221 Feb 15 06:12	28°≈18'38 23°≈36'55	2 31 23
direct	13220 Mar 03 22:11 13220 Mar 06 06:15	9° <b>H</b> 50'20		asc. node	13221 Feb 15 06:12 13221 Feb 15 17:39	23°≈3633 23°≈29'38	
morning max el	13220 Mar 10 00:13	13° <b>X</b> 11'09	17°46'24	direct	13221 Feb 13 17:39 13221 Feb 17 08:51	23°≈18'32	
	13220 Mar 24 10:19	0°Υ		morning max el	13221 Feb 24 11:34	26°≈52'55	17°54'46
morning set	13220 Mar 29 00:15	7° <b>Υ</b> 54'20		<i>3</i>	13221 Feb 27 05:25	0° <b>)</b> €	-
desc. node	13220 Apr 02 20:26	16° <b>Y</b> 15'49		morning set	13221 Mar 12 01:54	21° <b>)</b> 17'42	
	•			-	13221 Mar 16 21:01	$0^{\circ}\Upsilon$	
superior conj	13220 Apr 10 05:36	28° <b>Y</b> 40'50		desc. node	13221 Mar 20 16:58	6° <b>Ƴ</b> 49'12	
minimum elong	13220 Apr 10 00:03	28° <b>Ƴ</b> 17'56	0°54'44				
	13220 Apr 11 00:51	$9^{\circ}$ 8		superior conj	13221 Mar 22 15:14	10° <b>Ƴ</b> 11'15	-0°15'10

minimum elong	13221 Mar 22 13:53	10° <b>Υ</b> 05'25	0°15'01	morning set	13222 Feb 23 17:14	5° <b>)</b> 18′05	
behind sun begin	13221 Mar 22 11:04	9° <b>Ƴ</b> 53'10					
behind sun end	13221 Mar 22 16:43	10° <b>Ƴ</b> 17'40		superior conj	13222 Mar 04 22:49	22° <b>)(</b> 41'51	0°20'48
max. Earth dist.	13221 Mar 30 01:48	22° <b>Y</b> 45'03	1.42838 AU	minimum elong	13222 Mar 05 00:18	22° <b>)</b> (48'38	0°20'46
	13221 Apr 03 13:19	$9^{\circ}$ 8		desc. node	13222 Mar 07 13:27	27° <b>)</b> €25'33	
evening rise	13221 Apr 05 05:32	2° <b>8</b> 39'24			13222 Mar 09 00:10	$0^{\circ}$ Y	
	13221 Apr 23 13:30	$\Pi$ $^{\circ}0$		max. Earth dist.	13222 Mar 12 11:22	6° <b>Ƴ</b> 01'58	1.40790 AU
evening max el	13221 May 07 14:35	17° <b>Ⅲ</b> 34′23	22°05'03	evening rise	13222 Mar 16 22:16	13° <b>Y</b> 30'38	
asc. node	13221 May 14 14:22	22° <b>Ⅱ</b> 40′04			13222 Mar 27 09:32	0° <b>8</b>	
retrograde	13221 May 17 01:51	23° <b>Ⅲ</b> 08′24			13222 Apr 18 20:51	$\Pi$ $^{\circ}0$	
evening set	13221 May 21 17:41	21° <b>Ⅲ</b> 12'47		evening max el	13222 Apr 20 05:55	1° <b>Ⅲ</b> 25′06	23°25'35
inferior conj	13221 May 27 00:20	14° <b>Ⅱ</b> 53'27	2°59'54	retrograde	13222 Apr 30 21:06	7° <b>Ⅱ</b> 40'40	
minimum elong	13221 May 26 22:58	14° <b>Ⅱ</b> 58'14	2°58'46	asc. node	13222 May 01 11:39	7° <b>Ⅲ</b> 38'59	
min. Earth dist.	13221 May 26 23:50	14° <b>Ⅱ</b> 55'12	0.68877 AU	evening set	13222 May 06 00:29	5° <b>∏</b> 30'46	
morning rise	13221 Jun 01 04:03	8° <b>Ⅱ</b> 40′12		Ü	13222 May 10 17:30	30° <b>₹</b> 8	
direct	13221 Jun 05 23:15	6° <b>Ⅱ</b> 37'43		inferior conj	13222 May 11 09:44	29° <b>8</b> 04'11	2°38'15
morning max el	13221 Jun 15 10:24	12° <b>Ⅱ</b> 11'10	22°10'30	minimum elong	13222 May 11 07:46	29° <b>8</b> 10'55	2°37'01
desc. node	13221 Jun 16 18:14	13° <b>Ⅱ</b> 33'55		min. Earth dist.	13222 May 10 20:33	29° <b>8</b> 49'31	0.68802 AU
desc. node	13221 Jun 29 14:28	0.2 2		morning rise	13222 May 16 15:00	22° <b>8</b> 58'14	0.00002110
morning set	13221 Jul 18 12:52	28° <b>©</b> 41'09		direct	13222 May 20 21:27	21° <b>8</b> 16'19	
morning sec	13221 Jul 19 08:22	0°Ω		morning max el	13222 May 29 03:49	25° <b>8</b> 59'38	20°49'02
max. Earth dist.	13221 Jul 23 21:08	7° <b>Ω</b> 27'48	1.41286 AU	morning max cr	13222 Jun 01 19:06	0°II	20 19 02
max. Earth dist.	13221 Jul 23 21.06	/ 062/40	1.41280 AU	desc. node	13222 Jun 03 15:11	2° <b>Ⅱ</b> 15'31	
superior conj	13221 Jul 31 16:16	20° <b>Ω</b> 53'48	1021/57	desc. Hode	13222 Jun 23 00:41	0°9	
minimum elong	13221 Jul 31 22:20	$20^{\circ} \Omega 20'42$		morning set	13222 Jun 28 02:14	0 € 7°9547'36	
minimum ciong			1 21 31	•			1 42210 ATT
	13221 Aug 05 17:21	0°M)		max. Earth dist.	13222 Jul 06 03:52	20°935'10	1.43319 AU
asc. node	13221 Aug 10 14:14	9° Mp 01'05			13222 Jul 11 21:24	$0$ ° $\Omega$	
evening rise	13221 Aug 11 02:58	10° Mp 00'25			12222 1 1 12 22 54	10.050150	1051152
	13221 Aug 22 15:15	0∘ <b>⊽</b>	10015140	superior conj	13222 Jul 12 23:54	1° <b>Ω</b> 50'58	
evening max el	13221 Aug 27 02:29	5° <b>Ω</b> 31'38	18°15'49	minimum elong	13222 Jul 13 07:00	2° <b>Ω</b> 20'47	1°52'10
retrograde	13221 Sep 03 09:31	9° <b>£</b> 13'32		evening rise	13222 Jul 25 00:31	22° <b>Ω</b> 41'24	
evening set	13221 Sep 05 13:07	8° <b>£</b> 54'55		asc. node	13222 Jul 28 10:53	28° <b>Ω</b> 45'26	
inferior conj	13221 Sep 12 22:41	4° <b>≙</b> 13'16			13222 Jul 29 03:53	0° m/	
minimum elong	13221 Sep 12 22:29		0°05'41	evening max el	13222 Aug 10 15:02	18° Mp 34′02	18°03'09
transit middle	13221 Sep 12 22:29	4° <b>≏</b> 13'42	0°05'41	retrograde	13222 Aug 17 05:38	21° Mp 58'10	
transit begin	13221 Sep 12 19:14	4° <b>≏</b> 20'33		evening set	13222 Aug 19 17:08	21° <b>m</b> 29'13	
transit end	13221 Sep 13 01:43	4° <b>≏</b> 06'50		inferior conj	13222 Aug 26 09:31	16° Mp 27′23	1°13'18
desc. node	13221 Sep 12 15:19	4° <b>≏</b> 28'49		minimum elong	13222 Aug 26 11:32	16° Mg 22'27	1°12'16
min. Earth dist.	13221 Sep 16 06:13		0.58863 AU	min. Earth dist.	13222 Aug 29 12:02		0.61148 AU
	13221 Sep 18 03:37	30°R, Mp		desc. node	13222 Aug 30 12:49	12°M 30'37	
morning rise	13221 Sep 20 04:23	28° Mp 42'22		morning rise	13222 Sep 02 03:12	10° Mp 29'36	
direct	13221 Sep 26 12:43	26° ₩ 53'45		direct	13222 Sep 08 18:28	8° Mp 16'02	
	13221 Oct 05 06:49	0∘ <b>⊽</b>		morning max el	13222 Sep 22 23:58	16° Mp 12'47	27°57'39
morning max el	13221 Oct 10 20:27	4° <b>£</b> 37′20	27°29'43		13222 Oct 04 08:09	0∘ <b>ত</b>	
	13221 Oct 29 13:24	0° <b>M</b> ₊			13222 Oct 22 04:24	$0^{\circ}$ M	
asc. node	13221 Nov 06 16:06	14° <b>M</b> 54'29		asc. node	13222 Oct 24 12:49	4° <b>™</b> 40′28	
morning set	13221 Nov 11 02:40	24°M01'04		morning set	13222 Oct 26 05:20	8°M08'06	
	13221 Nov 13 21:18	0° <b>∡</b> ¹		max. Earth dist.	13222 Oct 31 23:25	20°M28'00	1.31482 AU
max. Earth dist.	13221 Nov 17 16:29	8° <b>҂</b> 24'52	1.31219 AU				
				superior conj	13222 Nov 02 12:27	23°M52'30	1°16'49
superior conj	13221 Nov 18 01:55	9° <b>҂</b> 17'37	1°29'39	minimum elong	13222 Nov 02 10:16	23°M40'28	1°17'17
minimum elong	13221 Nov 18 00:17	9° <b>,</b> 708'29	1°30'25		13222 Nov 05 06:39	0° <b>∡</b>	
evening rise	13221 Nov 24 19:32	24° <b>尽</b> 08'41		evening rise	13222 Nov 09 05:27	8° <b>₰</b> 40'09	
	13221 Nov 27 14:22	8°0			13222 Nov 20 01:41	8°0	
desc. node	13221 Dec 09 12:21	21° <b>る</b> 49'34		desc. node	13222 Nov 26 09:28	10° <b>る</b> 03'04	
	13221 Dec 15 00:49	0° <b>≈</b>		evening max el	13222 Dec 05 17:54	21° <b>る</b> 17'21	25°09'29
evening max el	13221 Dec 24 01:32	10° <b>≈</b> 30′27	26°29'37	retrograde	13222 Dec 19 13:34	28° <b>る</b> 13'12	
retrograde	13222 Jan 07 00:29	17° <b>≈</b> 37'07		evening set	13222 Dec 25 07:02	26° <b>る</b> 59'22	
evening set	13222 Jan 13 12:38	15° <b>≈</b> 53'47		min. Earth dist.	13222 Dec 30 05:54	24° <b>る</b> 17'39	0.56796 AU
min. Earth dist.	13222 Jan 17 15:18	13° <b>≈</b> 17′04	0.58774 AU	inferior conj	13223 Jan 01 23:03	22° <b>る</b> 30'46	-5°10'06
inferior conj	13222 Jan 20 18:46	10°≈54'21		minimum elong	13223 Jan 02 07:17	22° <b>ප</b> 17'13	
minimum elong	13222 Jan 21 02:57	10° <b>≈</b> 38'49		morning rise	13223 Jan 10 09:51	18° <b>ප්</b> 20'19	
morning rise	13222 Jan 28 20:13	6° <b>≈</b> 21'44		direct	13223 Jan 12 15:38	18° <b>ප</b> 05'49	
direct	13222 Jan 30 21:19	6° <b>≈</b> 07'10		asc. node	13223 Jan 20 12:22	21° <b>ප</b> 18'42	
asc. node	13222 Feb 02 15:02	6° <b>≈</b> 34'36		morning max el	13223 Jan 21 22:54		19°12'24
morning max el	13222 Feb 07 21:59	10° <b>≈</b> 04'52	18°22'45	- C	13223 Jan 27 20:57	0° <b>≈</b>	
<i>5</i>	13222 Feb 20 22:02	0° <b>)</b> €	-	morning set	13223 Feb 07 17:58	19° <b>≈</b> 42'58	
				C			

	13223 Feb 12 22:05	0°₩		asc. node	13224 Jan 07 09:36 13224 Jan 20 21:19	7°る27'41 0°≈	
superior conj	13223 Feb 15 23:59	6° <b>₩</b> 00'56	0°50'12	morning set	13224 Jan 23 00:43	0 ∞ 4°≈21'25	
minimum elong	13223 Feb 16 02:40	6° <b>∺</b> 13'50	0°50'18	morning set	13224 Jan 23 00.43	4 21 23	
desc. node	13223 Feb 10 02:40 13223 Feb 22 09:58	18° <b>∺</b> 01'46	0 30 10	superior conj	13224 Jan 30 14:10	19° <b>≈</b> 54'42	1°12'25
max. Earth dist.	13223 Feb 22 18:13	18° <b>¥</b> 39'00	1.38547 AU	minimum elong	13224 Jan 30 16:50	20°≈08'14	1°12'49
evening rise	13223 Feb 26 12:15	25° <b>H</b> 17'02	1.50547 110	minimum clong	13224 Feb 04 16:44	0° <b>)</b> €	1 12 49
e vening rise	13223 Mar 01 06:33	0° <b>Υ</b>		max. Earth dist.	13224 Feb 05 01:40	0° <b>¥</b> 42'49	1.36352 AU
	13223 Mar 21 01:08	0°8		evening rise	13224 Feb 08 21:14	7° <b>¥</b> 50′57	1.50552710
evening max el	13223 Apr 02 19:37	15° <b>8</b> 17'40	24°45'05	desc. node	13224 Feb 09 06:33	8° <b>)</b> 33′28	
retrograde	13223 Apr 14 12:42	22° <b>8</b> 07'36	21 13 03	desc. node	13224 Feb 22 00:44	0°Υ	
asc. node	13223 Apr 18 09:01	21° <b>8</b> 02'44		evening max el	13224 Mar 15 09:02	29° <b>Υ</b> 08'19	25°56'43
evening set	13223 Apr 20 03:50	19° <b>8</b> 45'54		evening man er	13224 Mar 16 06:37	0°8	20 00 .5
min. Earth dist.	13223 Apr 24 15:43	14° <b>8</b> 40'48	0.68272 AU	retrograde	13224 Mar 27 23:41	6° <b>8</b> 22'07	
inferior conj	13223 Apr 25 17:24	13° <b>8</b> 15'34	2°06'30	evening set	13224 Apr 03 02:04	3° <b>8</b> 52'23	
minimum elong	13223 Apr 25 15:15	13° <b>8</b> 22'44	2°05'16	asc. node	13224 Apr 04 06:26	2° <b>8</b> 47'59	
morning rise	13223 May 01 02:52	7° <b>8</b> 18'09			13224 Apr 06 19:02	30°RƳ	
direct	13223 May 04 21:07	5° <b>8</b> 57'08		min. Earth dist.	13224 Apr 07 07:15	29° <b>Y</b> ′22'34	0.67300 AU
morning max el	13223 May 12 04:41	10° <b>8</b> 00'15	19°40'07	inferior conj	13224 Apr 08 21:22	27° <b>Y</b> ′23'05	1°24'21
desc. node	13223 May 21 12:01	21° <b>8</b> 34'55		minimum elong	13224 Apr 08 19:31	27° <b>Y</b> ′28'52	
greatest brilliancy	13223 May 24 21:27	26° <b>8</b> 27'36	-0.6m	morning rise	13224 Apr 14 13:40	21° <b>Y</b> °35'30	
8	13223 May 27 07:04	0°II		direct	13224 Apr 17 20:35	20° <b>Y</b> ′33′52	
morning set	13223 Jun 07 03:30	16° <b>Ⅱ</b> 26'40		morning max el	13224 Apr 24 13:00	24° <b>Y</b> ′09'46	18°46'34
3	13223 Jun 15 21:12	0°ಅ			13224 Apr 29 12:26	0°8	
max. Earth dist.	13223 Jun 18 17:21	4°9528'17	1.44831 AU	desc. node	13224 May 07 08:47	11° <b>8</b> 21'40	
				morning set	13224 May 16 14:07	25° <b>8</b> 37'58	
superior conj	13223 Jun 23 07:42	11° <b>9</b> 47'55	-2°10'35	. <i>8</i>	13224 May 19 09:21	0°II	
minimum elong	13223 Jun 23 11:34	12°903'28		max. Earth dist.	13224 May 31 11:06	18° <b>Ⅱ</b> 49'36	1.45672 AU
Č	13223 Jul 04 09:57	$0^{\circ}\Omega$			,		
evening rise	13223 Jul 07 02:21	4° <b>Ω</b> 30'13		superior conj	13224 Jun 01 20:33	21° <b>II</b> 00'27	-2°11'24
asc. node	13223 Jul 15 07:38	18° <b>Ω</b> 13'32		minimum elong	13224 Jun 01 16:58	20° <b>Ⅱ</b> 46'27	
	13223 Jul 23 09:56	0° m)			13224 Jun 07 13:49	0ಂತಾ	
evening max el	13223 Jul 25 05:21	1° m) 58'18	18°09'16	evening rise	13224 Jun 17 04:16	15° <b>©</b> 18'01	
retrograde	13223 Jul 31 13:58	5° m) 19'00		greatest brilliancy	13224 Jun 23 02:14	24° <b>©</b> 47'49	-0.9m
evening set	13223 Aug 03 09:45	4° m) 36'56		8	13224 Jun 26 08:56	$0^{\circ}\Omega$	
C	13223 Aug 08 20:48	30° <b>₽</b> Ω		asc. node	13224 Jul 01 04:29	7° <b>Ω</b> 19'08	
inferior conj	13223 Aug 09 12:24	29° <b>Ω</b> 17'16	2°09'44	evening max el	13224 Jul 07 18:19	15° <b>Ω</b> 36'24	18°33'27
minimum elong	13223 Aug 09 14:56	29° <b>Ω</b> 10'17	2°08'26	retrograde	13224 Jul 14 06:15	19° <b>Ω</b> 07'09	
min. Earth dist.	13223 Aug 12 03:38	26° <b>Ω</b> 23'44	0.63367 AU	evening set	13224 Jul 17 10:34	18° <b>Ω</b> 09'58	
morning rise	13223 Aug 15 18:17	23° <b>Ω</b> 02'40		inferior conj	13224 Jul 23 03:18	12° <b>Ω</b> 34'38	2°46'19
desc. node	13223 Aug 17 10:18	21° <b>Ω</b> 55'44		minimum elong	13224 Jul 23 05:20	12° <b>Ω</b> 28′26	2°45'06
direct	13223 Aug 22 10:04	20° <b>Ω</b> 31′08		min. Earth dist.	13224 Jul 25 04:35	10° <b>Ω</b> 05'32	0.65325 AU
morning max el	13223 Sep 05 08:41	28° <b>Ω</b> 32'40	27°47'10	morning rise	13224 Jul 28 23:00	6° <b>Ω</b> 12′08	
	13223 Sep 06 18:31	0° <b>m</b> )		desc. node	13224 Aug 03 07:44	3° <b>Ω</b> 36′17	
	13223 Sep 28 04:37	0∘ <b>⊽</b>		direct	13224 Aug 04 10:04	3° <b>Ω</b> 31'56	
morning set	13223 Oct 10 00:50	21° <b>≏</b> 52'29		morning max el	13224 Aug 17 19:43	11° <b>Ω</b> 26′09	27°03'27
asc. node	13223 Oct 11 09:27	24° <b>≏</b> 37'42			13224 Sep 01 14:21	0° <b>™</b>	
	13223 Oct 13 23:33	$0^{\circ}$ M.			13224 Sep 19 17:26	0∘ <b>ত</b>	
max. Earth dist.	13223 Oct 15 00:56	2°M14'24	1.32280 AU	morning set	13224 Sep 22 10:25	5° <b>≏</b> 07'53	
				max. Earth dist.	13224 Sep 26 17:35	13° <b>≏</b> 38'24	1.33610 AU
superior conj	13223 Oct 17 19:56	8°M14'59	0°58'21	asc. node	13224 Sep 27 06:04	14° <b>≙</b> 41'54	
minimum elong	13223 Oct 17 17:42	8°ML02'51	0°58'31				
evening rise	13223 Oct 24 16:38	23°M12'37		superior conj	13224 Sep 30 22:14	22° <b>≏</b> 19'48	0°34'26
	13223 Oct 27 21:57	0° <b>∡</b> ¹		minimum elong	13224 Sep 30 20:34	22° <b>≙</b> 11'01	0°34'25
desc. node	13223 Nov 13 06:41	27° <b>∡</b> 11'12			13224 Oct 04 12:41	$0^{\circ}$ M	
	13223 Nov 15 18:23	0°ಕ		evening rise	13224 Oct 08 03:11	7° <b>M</b> 41'32	
evening max el	13223 Nov 17 04:04	1° <b>る</b> 25'03	23°30'15		13224 Oct 19 20:18	0° <b>∡</b> 7	
retrograde	13223 Nov 30 13:59	8° <b>る</b> 05'43		evening max el	13224 Oct 28 16:38	11° <b>∡</b> °28′58	21°49'46
evening set	13223 Dec 05 01:40	7° <b>る</b> 21'56		desc. node	13224 Oct 30 04:00	12° <b>∡</b> °50′57	
min. Earth dist.	13223 Dec 11 14:15	4° <b>る</b> 15'50	0.55292 AU	retrograde	13224 Nov 10 03:46	17° <b>∡</b> °40′04	
inferior conj	13223 Dec 13 06:58	3° <b>ප</b> 16'11	-5°52'49	evening set	13224 Nov 13 05:42	17° <b>∡</b> °18'43	
minimum elong	13223 Dec 13 09:46	3° <b>る</b> 12'04	5°51'39	inferior conj	13224 Nov 22 00:55	13° <b>₹</b> 24'11	-5°42'22
	13223 Dec 19 18:12	30°₹ <b>⋌</b> ¹		minimum elong	13224 Nov 21 18:53	13° <b>∡</b> °32'38	5°40'41
morning rise	13223 Dec 21 19:38	29° <b>∡</b> ¹23'49		min. Earth dist.	13224 Nov 21 20:39	13° <b>∡</b> °30′10	0.54553 AU
direct	13223 Dec 24 14:18	29° <b>х</b> ⁴05'03		morning rise	13224 Nov 30 09:06	9° <b>х</b> 36′40	
	13223 Dec 29 04:32	ರ∘ರ		direct	13224 Dec 03 23:45	9° <b>₰</b> 08'05	
morning max el	13224 Jan 04 10:38	4° <b>ප</b> 15'48	20°25'12	morning max el	13224 Dec 16 08:12	15° <b>₹</b> 02'38	21°59'24

asc. node	13224 Dec 24 06:46 13224 Dec 27 13:55	24° <b>メ</b> *44'50 0°る		direct morning max el	13225 Nov 14 09:16 13225 Nov 27 19:49	18°M36'26 25°M10'40	23°46'58
morning set	13225 Jan 06 11:00 13225 Jan 11 13:55	19° <b>පි</b> 06'22 0°≈		asc. node	13225 Dec 02 07:09 13225 Dec 11 03:49	0° ☎ 12°☎54'01	
superior conj	13225 Jan 13 13:36	4°≈12'30	1°27'34	morning set	13225 Dec 20 02:56 13225 Dec 21 22:49	0°궁 3°궁51'58	
minimum elong max. Earth dist.	13225 Jan 13 15:35 13225 Jan 17 14:22	4°≈22'53 12°≈33'03	1°28'18 1.34426 AU	superior conj	13225 Dec 28 19:20	18° <b>る</b> 45'40	1°36'03
evening rise	13225 Jan 21 21:48	21° <b>≈</b> 03'40		minimum elong	13225 Dec 28 20:16	18° <b>පි</b> 50'46	1°37'00
desc. node	13225 Jan 26 03:13	28°≈56'38		max. Earth dist.	13225 Dec 31 11:02		1.32905 AU
	13225 Jan 26 17:16 13225 Feb 14 21:58	0° <b>∀</b> 0° <b>Υ</b>		avanina risa	13226 Jan 03 02:15 13226 Jan 05 10:27	0° <b>≈</b> 4° <b>≈</b> 46'11	
evening max el	13225 Feb 14 21:38 13225 Feb 25 22:40	12° <b>Υ</b> 50'45	26°53'08	evening rise desc. node	13226 Jan 05 10:27 13226 Jan 12 23:58	4°≈46°11 19°≈06'25	
retrograde	13225 Mar 11 05:11	20° <b>Υ</b> 16'21	20 00 00	doge. Hode	13226 Jan 19 10:16	0° <b>∀</b>	
evening set	13225 Mar 17 17:19	17° <b>Y</b> '43'55		evening max el	13226 Feb 08 11:46	26° <b>∺</b> 15′08	27°26'56
min. Earth dist.	13225 Mar 21 17:05	13° <b>Y</b> ′47'48	0.65918 AU		13226 Feb 12 21:41	0° <b>Υ</b>	
asc. node	13225 Mar 22 03:54	13° <b>Υ</b> 16'50 11° <b>Υ</b> 21'44	0°31'20	retrograde	13226 Feb 22 04:05 13226 Feb 28 23:22	3° <b>Υ</b> 41'49 1° <b>Υ</b> 13'07	
inferior conj minimum elong	13225 Mar 23 19:24 13225 Mar 23 18:34	11° <b>Y</b> ′21′44	0°31′20 0°30′54	evening set	13226 Feb 28 23:22 13226 Mar 02 11:50	30°R <b>)</b> €	
morning rise	13225 Mar 29 21:09	5° <b>Υ</b> 45'44	0 3031	min. Earth dist.	13226 Mar 04 19:08	27° <b>)</b> 48'09	0.64181 AU
direct	13225 Apr 01 17:59	5° <b>Y</b> ′00'42		inferior conj	13226 Mar 07 08:56	25° <b>)</b> €05'26	-0°32'51
morning max el	13225 Apr 08 03:03	8° <b>Y</b> 21'57	18°09'37	minimum elong	13226 Mar 07 09:56	25° <b>)</b> €02'46	0°32'15
	13225 Apr 23 07:30	0° <b>8</b>		asc. node	13226 Mar 09 01:22	23° <b>∺</b> 21'16	
desc. node	13225 Apr 24 05:27	1° <b>と</b> 28'18 6° <b>と</b> 05'47		morning rise	13226 Mar 13 22:35 13226 Mar 16 10:49	19° <b>)</b> 43'22 19° <b>)</b> 11'28	
morning set	13225 Apr 27 02:17	6 60347		direct morning max el	13226 Mar 16 10:49 13226 Mar 22 20:19	19° <del>X</del> 11′28 22° <del>X</del> 29'30	17°49'50
superior conj	13225 May 12 04:45	0° <b>Ⅱ</b> 07'44	-1°52'09	morning max ci	13226 Mar 28 18:57	0° <b>Υ</b>	17 47 30
minimum elong	13225 May 11 19:52	29° <b>8</b> 32'53		morning set	13226 Apr 08 18:38	17° <b>Y</b> ′55'59	
	13225 May 12 02:47	$\Pi$ °0		desc. node	13226 Apr 11 02:03	21° <b>Y</b> '49'16	
max. Earth dist.	13225 May 14 06:45	3° <b>Ⅲ</b> 23'22	1.45779 AU		13226 Apr 15 23:47	0°B	
evening rise	13225 May 28 06:46	25° <b>Ⅱ</b> 09'34			12226 1 22 01 20	00 4 5 4150	1010102
greatest brilliancy	13225 May 31 09:42 13225 Jun 09 03:42	0°© 13°©25'06	-0.7m	superior conj minimum elong	13226 Apr 22 01:39 13226 Apr 21 17:46	9° <b>8</b> 54'52 9° <b>8</b> 23'10	
asc. node	13225 Jun 18 01:26	25° <b>©</b> 53'42	-0.7111	max. Earth dist.	13226 Apr 27 02:23	17° <b>8</b> 56'11	1.45147 AU
evening max el	13225 Jun 21 03:26	29° <b>5</b> 21'33	19°14'41	man Barar dige.	13226 May 04 19:59	0°Ⅱ	1.10117110
-	13225 Jun 21 19:21	$0^{\circ}\Omega$		evening rise	13226 May 07 19:19	4° <b>Ⅱ</b> 34′00	
retrograde	13225 Jun 28 03:00	3° <b>Ω</b> 14'48			13226 May 24 20:56	$0$ $\circ$	
evening set	13225 Jul 01 16:24	2° <b>Ω</b> 01'14		evening max el	13226 Jun 04 07:13	13°5510'04	20°11'21
inferior conj	13225 Jul 03 23:19 13225 Jul 07 02:40	30°Rூ 26°€11'44	3°06'27	asc. node retrograde	13226 Jun 04 22:29 13226 Jun 12 01:41	13° <b>©</b> 47'23 17° <b>©</b> 36'51	
minimum elong	13225 Jul 07 02:40 13225 Jul 07 03:46	26°508'09	3°05'23	evening set	13226 Jun 16 00:51	16°506'25	
min. Earth dist.	13225 Jul 08 13:22	24° <b>©</b> 18'56	0.66910 AU	inferior conj	13226 Jun 21 07:42	10° <b>©</b> 03'58	3°12'55
morning rise	13225 Jul 12 14:32	19° <b>©</b> 47'45		minimum elong	13226 Jun 21 07:45	10° <b>©</b> 03'48	3°11'54
direct	13225 Jul 18 16:58	17° <b>©</b> 08'46		min. Earth dist.	13226 Jun 22 04:09	8° <b>©</b> 54'20	0.68052 AU
desc. node	13225 Jul 21 05:07	17°931'51	2505442	morning rise	13226 Jun 26 14:20	3°542'33	
morning max el	13225 Jul 31 06:36 13225 Aug 05 02:10	24° <b>©</b> 39'49 0° <b>Ω</b>	25°54'43	direct desc. node	13226 Jul 02 05:33 13226 Jul 08 02:23	1°©13'22 3°©19'26	
	13225 Aug 05 02:10 13225 Aug 26 01:00	0° mp		morning max el	13226 Jul 13 16:46	8°905'42	24°30'41
morning set	13225 Sep 05 06:28	17° <b>m</b> ) 44'22			13226 Jul 30 20:50	0°N	
max. Earth dist.	13225 Sep 08 23:55	24° <b>m</b> 44'14	1.35434 AU	morning set	13226 Aug 18 08:43	29° <b>Ω</b> 31′52	
	13225 Sep 11 16:50	0∘ <b>⊽</b>			13226 Aug 18 15:10	0° <b>™</b>	
asc. node	13225 Sep 14 02:38	4° <b>£</b> 48'22		max. Earth dist.	13226 Aug 21 23:05	5° M 55'26	1.37636 AU
superior conj	13225 Sep 14 16:38	5° <b>≏</b> 59'12	0°05'32	superior conj	13226 Aug 28 23:58	19° <b>m</b> 05'42	
minimum elong	13225 Sep 14 16:19	5° <b>Ω</b> 57'34	0°05'28	minimum elong	13226 Aug 29 01:49	19° <b>m</b> 14'40	0°27'21
behind sun begin behind sun end	13225 Sep 14 10:32	5° <b>£</b> 28'17 6° <b>£</b> 26'55		asc. node	13226 Aug 31 23:13	24° M 53′50 0° <u>₽</u>	
evening rise	13225 Sep 14 22:06 13225 Sep 22 11:00	22° <b>£</b> 00'33		evening rise	13226 Sep 03 12:51 13226 Sep 06 13:43	6° <b>Ω</b> 03'59	
evening rise	13225 Sep 26 09:42	0°M		evening rise	13226 Sep 20 06:37	0° <b>M</b>	
evening max el	13225 Oct 10 16:27	22°M03'57	20°22'51	evening max el	13226 Sep 23 06:27	3°M26'25	19°16'28
desc. node	13225 Oct 17 01:25	26° <b>™</b> 34'14		retrograde	13226 Oct 02 13:09	8°M04'57	
retrograde	13225 Oct 21 15:02	27°M30'14		desc. node	13226 Oct 03 22:52	7°M58'59	
evening set inferior conj	13225 Oct 23 18:17 13225 Nov 01 17:45	27°M18'45 23°M22'49	-4033140	evening set inferior conj	13226 Oct 04 09:42 13226 Oct 12 23:26	7°ጤ54'36 3°ጤ44'40	-20/10/22
minimum elong	13225 Nov 01 17:45 13225 Nov 01 07:39	23°M37'36	4°30'07	minimum elong	13226 Oct 12 23:26 13226 Oct 12 16:10	3°M56'42	
min. Earth dist.	13225 Nov 01 07:57	22°M32'44	0.54744 AU	min. Earth dist.	13226 Oct 12 10:10	2°M00'26	0.55839 AU
morning rise	13225 Nov 09 20:25	19° <b>™</b> 20'49			13226 Oct 19 01:05	30° <b>₽</b> Ω	

	122260 4 20 20 00	200 0 1 1100			12227 0 + 01 12 51	00.0.20120	
morning rise	13226 Oct 20 20:09	29° <b>Ω</b> 11'09		morning rise	13227 Oct 01 13:51	9° <b>Ω</b> 38'29	
direct	13226 Oct 26 05:06	28° <b>△</b> 05'18		direct	13227 Oct 07 14:54	8° <b>Ω</b> 06'12	
	13226 Nov 02 07:24	0° <b>M</b>		morning max el	13227 Oct 21 22:15	15° <b>≏</b> 38'17	26°56'23
morning max el	13226 Nov 09 06:08	5°M11'35	25°32'06		13227 Nov 02 14:16	0° <b>M</b>	
	13226 Nov 27 02:16	0° <b>∡</b>		asc. node	13227 Nov 14 21:36	20°M59'35	
asc. node	13226 Nov 28 00:46	1° <b>∡</b> ¹42'21			13227 Nov 19 08:44	0° <b>∡</b> ¹	
morning set	13226 Dec 06 10:20	18° <b>∡</b> ³33'22		morning set	13227 Nov 20 19:55	3° <b>∡</b> ¹06′00	
	13226 Dec 11 15:33	8°0					
				superior conj	13227 Nov 27 16:22	18° <b>∡</b> 10'59	1°34'28
superior conj	13226 Dec 13 04:55	3° <b>る</b> 27'05	1°38'14	minimum elong	13227 Nov 27 15:12	18° <b>∡</b> °04′29	1°35'21
minimum elong	13226 Dec 13 04:45	3° <b>පි</b> 26'10	1°39'15	max. Earth dist.	13227 Nov 27 22:38	18° <b>∡</b> ¹45'58	1.31301 AU
max. Earth dist.	13226 Dec 14 14:46	6° <b>る</b> 33'55	1.31855 AU		13227 Dec 03 00:46	8°0	
evening rise	13226 Dec 20 08:08	18° <b>る</b> 50'34		evening rise	13227 Dec 04 12:15	3° <b>ට</b> 10'19	
<b>3</b>	13226 Dec 25 22:46	0° <b>≈</b>		desc. node	13227 Dec 17 17:42	28° <b>ප</b> 18'29	
desc. node	13226 Dec 30 20:47	8°≈56'21			13227 Dec 18 18:28	0°≈	
dese. Hode	13227 Jan 13 19:07	0° <b>∀</b>		evening max el	13228 Jan 04 02:53	21° <b>≈</b> 15'38	27°02'02
evening max el	13227 Jan 21 22:04	9° <b>₩</b> 07'34	27°31'25	retrograde	13228 Jan 18 01:46	28° <b>≈</b> 28'17	27 02 02
retrograde	13227 Feb 04 19:15	16° <b>¥</b> 28'34	27 31 23	evening set	13228 Jan 24 20:14	26°≈29'51	
•	13227 Feb 04 19:13 13227 Feb 11 17:26	10 <b>X</b> 28 34 14° <b>X</b> 11'01		min. Earth dist.	13228 Jan 24 20:14 13228 Jan 28 17:08	20 ≈29 31 23°≈49'07	0.60012 AU
evening set		14 <b>X</b> 1101	0.62172 AU			23 ≈4907 21°≈12'32	
min. Earth dist.	13227 Feb 15 11:29	8°¥25'22		inferior conj	13228 Jan 31 21:34		
inferior conj	13227 Feb 18 10:49			minimum elong	13228 Feb 01 04:20		3°06'11
minimum elong	13227 Feb 18 14:31		1°45'33	morning rise	13228 Feb 08 15:30	16° <b>≈</b> 27'48	
asc. node	13227 Feb 23 22:49	4° <b>)</b> €03'52		direct	13228 Feb 10 17:02	16° <b>≈</b> 11'24	
morning rise	13227 Feb 25 14:19	3° <b>¥</b> 20′25		asc. node	13228 Feb 10 20:13	16° <b>≈</b> 11'29	
direct	13227 Feb 27 19:51	2° <b>¥</b> 58′02		morning max el	13228 Feb 18 03:49	19° <b>≈</b> 54'05	18°04'14
morning max el	13227 Mar 06 13:41	6° <b>∺</b> 23'14	17°47'42		13228 Feb 25 15:01	0° <b>)</b> €	
	13227 Mar 21 22:26	$0$ ° $\Upsilon$		morning set	13228 Mar 04 17:59	14° <b>)</b> €31'57	
morning set	13227 Mar 22 09:55	0° <b>Ƴ</b> 50'53			13228 Mar 13 03:58	$0^{\circ}$ Y	
desc. node	13227 Mar 28 22:35	12° <b>Ƴ</b> 19'16					
				superior conj	13228 Mar 14 16:46	2° <b>Y</b> '44'14	0°00'47
superior conj	13227 Apr 02 21:16	20° <b>Ƴ</b> 46′21	-0°37'57	minimum elong	13228 Mar 14 16:50	2° <b>Y</b> 44'30	0°00'49
minimum elong	13227 Apr 02 17:36	20° <b>Ƴ</b> 30'53	0°37'39	behind sun begin	13228 Mar 14 09:03	2° <b>Y</b> 09'57	
	13227 Apr 08 11:06	0°B		behind sun end	13228 Mar 15 00:36	3° <b>Y</b> 18'58	
max. Earth dist.	13227 Apr 09 19:20	2° <b>8</b> 10'36	1.43842 AU	desc. node	13228 Mar 14 19:07	2° <b>Y</b> '54'40	
evening rise	13227 Apr 17 09:24	14° <b>8</b> 10'19		max. Earth dist.	13228 Mar 22 07:33	15° <b>Ƴ</b> 51'03	1.42004 AU
<b>3</b>	13227 Apr 27 20:32	0°II		evening rise	13228 Mar 27 14:22	24° <b>Y</b> ′29'45	
evening max el	13227 May 18 05:07	26° <b>Ⅱ</b> 58'38	21°20'48	0.0000	13228 Mar 31 01:48	0°8	
	13227 May 21 15:58	0.8e			13228 Apr 20 18:38	0°II	
asc. node	13227 May 22 19:38	0°546'04		evening max el	13228 Apr 29 22:09	10° <b>∏</b> 47'38	22°38'53
retrograde	13227 May 27 00:19	2°907'03		asc. node	13228 May 08 16:52	16° <b>∏</b> 33'43	22 30 33
evening set	13227 May 27 00:17	0°920'06		retrograde	13228 May 09 21:19	16° <b>Ⅲ</b> 40'12	
evening set	13227 May 31 19:21	0 <b>3</b> 20 00 30°R <b>Ⅱ</b>		evening set	13228 May 14 18:03	10 <b>Ⅱ</b> 40 12 14° <b>Ⅱ</b> 38'01	
: <i>c</i> :	13227 May 31 19.21 13227 Jun 05 16:00		2007142	-	-	8° <b>Д</b> 15'00	2051157
inferior conj		24°П06°15 24°П09'25		inferior conj	13228 May 20 01:33		
minimum elong	13227 Jun 05 15:06		3°06'38	minimum elong	13228 May 19 23:54	8° <b>Ⅱ</b> 20'47	
min. Earth dist.	13227 Jun 05 22:54	23° <b>II</b> 42'15	0.68717 AU	min. Earth dist.	13228 May 19 19:32	8° <b>П</b> 35'57	0.68902 AU
morning rise	13227 Jun 10 20:03	17° <b>Ⅱ</b> 49'43		morning rise	13228 May 25 05:37	2° <b>∏</b> 04'48	
direct	13227 Jun 15 22:38	15° <b>Ⅲ</b> 36'32		direct	13228 May 29 19:15	0° <b>Ⅱ</b> 11'10	
desc. node	13227 Jun 24 23:32	20° <b>∐</b> 31'22		morning max el	13228 Jun 07 17:48	5° <b>Ⅱ</b> 22'40	21°34'37
morning max el	13227 Jun 26 03:34	21° <b>∏</b> 39'41	23°01'06	desc. node	13228 Jun 10 20:34	8° <b>∏</b> 45'24	
	13227 Jul 03 08:33	0			13228 Jun 26 12:55	$0$ $\circ$	
	13227 Jul 24 03:13	$0^{\circ}\Omega$		morning set	13228 Jul 09 15:14	20° <b>©</b> 00'22	
morning set	13227 Jul 30 12:34	10° <b>Ω</b> 19'10			13228 Jul 15 19:52	$0 {\circ} \Omega$	
max. Earth dist.	13227 Aug 03 21:27	17° <b>Ω</b> 41'19	1.39983 AU	max. Earth dist.	13228 Jul 16 00:13	0° <b>Ω</b> 17'55	1.42199 AU
	13227 Aug 10 20:35	0° <b>m</b> ∕					
				superior conj	13228 Jul 23 12:53	13° <b>Ω</b> 00'44	-1°35'34
superior conj	13227 Aug 11 16:12	1° <b>m</b> 29'34	-1°02'17	minimum elong	13228 Jul 23 19:44	13° <b>Ω</b> 30′26	1°35'34
minimum elong	13227 Aug 11 20:47	1° mp 50'36	1°02'08		13228 Aug 02 01:37	0°mp	
asc. node	13227 Aug 18 19:49	14° <b>m</b> 54'30		evening rise	13228 Aug 03 14:57	2° m/50'08	
evening rise	13227 Aug 21 08:20	19° <b>m</b> 43'55		asc. node	13228 Aug 04 16:26	4° m) 46'16	
<i>3</i> - <i>7</i>	13227 Aug 26 19:33	0∘ <b>⊽</b>		evening max el	13228 Aug 19 18:14	28° m/20'53	18°08'01
evening max el	13227 Sep 06 08:23	0 <b>—</b> 15° <b>Ω</b> 34'59	18°31'53		13228 Aug 21 15:52	0° <b>⊽</b>	
retrograde	13227 Sep	19° <b>⊆</b> 34'10		retrograde	13228 Aug 26 17:08	0 <b>—</b> 1° <b>Ω</b> 53'49	
evening set	13227 Sep 14 05:39 13227 Sep 16 05:36	19° <b>2</b> 19'50		evening set	13228 Aug 20 17:08 13228 Aug 28 23:51	1° <b>⊆</b> 33'49	
desc. node	13227 Sep 10 03:30 13227 Sep 20 20:20	17° <b>⊆</b> 1930		o tolling sot	13228 Aug 28 23:51 13228 Aug 31 23:56	1 <u>=</u> 31 21 30°R, <b>m</b> )	
inferior conj	13227 Sep 20 20:20 13227 Sep 24 01:53	17 <b>≥</b> 11 04 14° <b>♀</b> 49'52	1901/16	inferior conj	13228 Aug 31 23.36 13228 Sep 05 01:47	30 หูแม่ 26°Mp40'56	0°30'36
	-			·	•	=	
minimum elong	13227 Sep 23 23:28	14° <b>£</b> 54'33	1°00'07	minimum elong	13228 Sep 05 02:46	26° Mp 38'43	0°30'04
min. Earth dist.	13227 Sep 27 07:19	12° <b>≏</b> 20'46	0.57629 AU	desc. node	13228 Sep 06 17:51	25° <b>m</b> 09'57	

minimum elong	13230 Aug 02 06:53	22° <b>Ω</b> 07'30	2°26'08	min. Earth dist.	13231 Jul 18 18:18	3°Ω26'12	0.66054 AU
min. Earth dist.	13230 Aug 04 13:59	19° <b>Ω</b> 29'35	0.64245 AU	mm. Larm dist.	13231 Jul 21 20:30	30°R95	0.00034710
morning rise	13230 Aug 08 05:49	15° <b>Ω</b> 55'51	0.01213110	morning rise	13231 Jul 22 15:25	29° <b>©</b> 17'03	
desc. node	13230 Aug 11 12:51	13° <b>Ω</b> 57'45		direct	13231 Jul 28 23:11	26°936'33	
direct	13230 Aug 14 20:19	13°Ω19'20		desc. node	13231 Jul 29 10:17	26° <b>©</b> 37'20	
morning max el	13230 Aug 28 13:52	21°Ω18'46	27°32'07		13231 Aug 06 03:11	$0^{\circ}\Omega$	
C	13230 Sep 05 03:05	0° <b>™</b>		morning max el	13231 Aug 11 01:02	4° <b>Ω</b> 22'05	26°36'46
	13230 Sep 24 17:55	0∘ <del>⊽</del>		C	13231 Aug 30 13:56	0° <b>™</b>	
morning set	13230 Oct 02 17:16	14° <b>≙</b> 55'42		morning set	13231 Sep 15 21:33	27° m 55'28	
asc. node	13230 Oct 05 11:41	20° <b>ჲ</b> 29'39			13231 Sep 16 23:43	0∘ <b>⊽</b>	
max. Earth dist.	13230 Oct 07 09:47	24° <b>≏</b> 27'57	1.32786 AU	max. Earth dist.	13231 Sep 19 22:17	5° <b>≏</b> 43'55	1.34335 AU
	13230 Oct 10 00:36	$0^{\circ}$ M		asc. node	13231 Sep 22 08:17	10° <b>≏</b> 35'13	
superior conj	13230 Oct 10 18:52	1°M37'58	0°48'52	superior conj	13231 Sep 24 18:10	15° <b>Ω</b> 32'48	0°22'45
minimum elong	13230 Oct 10 16:48	1°M26'48 16°M43'43	0°48'57	minimum elong	13231 Sep 24 16:58	15° <b>£</b> 26'35 0° <b>I</b> L	0°22'42
evening rise	13230 Oct 17 18:28 13230 Oct 24 06:32	10 IIL43 43 0° <b>⊼</b>		evening rise	13231 Oct 01 14:55 13231 Oct 02 04:08	1°M09'24	
desc. node	13230 Oct 24 00:32 13230 Nov 07 09:08	21° <b>х</b> <sup>7</sup> 23'42		evening rise	13231 Oct 02 04:08 13231 Oct 18 17:09	0° <b>x</b> <sup>7</sup>	
evening max el	13230 Nov 07 03.08 13230 Nov 08 23:12	23° <b>x</b> 01'21	22°46'39	evening max el	13231 Oct 18 17:09 13231 Oct 21 15:37	3° <b>∡</b> ¹14'39	21010/28
retrograde	13230 Nov 08 23:12 13230 Nov 22 00:57	29° × 30'42	22 40 39	desc. node	13231 Oct 21 13:37 13231 Oct 25 06:29	6° <b>x</b> <sup>7</sup> 17'37	21 10 28
evening set	13230 Nov 25 22:04	28° <b>x</b> 57'56		retrograde	13231 Nov 02 12:10	9°×1737	
min. Earth dist.	13230 Dec 03 07:44	25° × 37'50	0.54876 AU	evening set	13231 Nov 05 02:41	8° × 52'18	
inferior conj	13230 Dec 04 09:49	24° 🖈 58'56		inferior conj	13231 Nov 14 01:24	4° <b>₹</b> 58'33	-5°19'32
minimum elong	13230 Dec 04 08:51	25°×700'19		minimum elong	13231 Nov 13 16:40	5° <b>х</b> 10′51	
morning rise	13230 Dec 12 21:00	21°×710'36		min. Earth dist.	13231 Nov 14 13:46		0.54519 AU
direct	13230 Dec 15 23:51	20° <b>х</b> 48′09		morning rise	13231 Nov 22 07:15	1° <b>х</b> <sup>7</sup> 07'52	
morning max el	13230 Dec 27 11:54	26° <b>∡</b> 17'33	21°02'52	direct	13231 Nov 26 07:26	0° <b>∡</b> ³33'22	
Ü	13230 Dec 30 21:52	ರ°0		morning max el	13231 Dec 09 04:18	6° <b>∡</b> ¹44'50	22°44'22
asc. node	13231 Jan 01 12:05	2° <b>ろ</b> 02'02		asc. node	13231 Dec 19 09:12	19° <b>∡</b> ′43′13	
morning set	13231 Jan 16 01:57	27° <b>る</b> 58'02			13231 Dec 25 06:14	8°0	
	13231 Jan 17 01:21	0° <b>≈</b>		morning set	13231 Dec 31 13:07	12° <b>る</b> 44'25	
	12221 1 22 10 07	120 - 17142	1010141		12222 1 07 12 24	270742117	1021157
superior conj	13231 Jan 23 10:07	13°≈17'43	1°19'41	superior conj	13232 Jan 07 12:34	27° <b>3</b> 43'17	1°31'57
minimum elong	13231 Jan 23 12:34 13231 Jan 28 06:56	13°≈30'16 23°≈06'04	1°20'14 1.35495 AU	minimum elong	13232 Jan 07 14:07 13232 Jan 08 14:16	27°る51'36 0°≈	1°32'48
max. Earth dist.	13231 Jan 28 00.30	23 ≈00 04 0° <b>)</b> {	1.33493 AU	max. Earth dist.	13232 Jan 08 14.16	0 ≈ 4°≈58'20	1.33725 AU
evening rise	13231 Jan 31 21:09 13231 Feb 01 06:45	0° <b>)</b> 44'56		evening rise	13232 Jan 10 23:11 13232 Jan 15 12:51	4 ≈36 20 14°≈11'21	1.33723 AU
desc. node	13231 Feb 01 08:45	4° <b>¥</b> 35'14		desc. node	13232 Jan 21 05:25	24°≈53'27	
dese. node	13231 Feb 18 20:16	0°Υ		dese. Hode	13232 Jan 24 02:55	0° <b>∀</b>	
evening max el	13231 Mar 08 15:46	22° <b>Υ</b> 21'12	26°23'04		13232 Feb 13 16:14	0° <b>Υ</b>	
retrograde	13231 Mar 21 13:40	29° <b>Y</b> '40'33		evening max el	13232 Feb 19 05:14	5° <b>Υ</b> 57'08	27°10'34
evening set	13231 Mar 27 20:29	27° <b>Y</b> ′09'09		retrograde	13232 Mar 03 16:16	13° <b>Y</b> ′23'59	
asc. node	13231 Mar 30 09:01	24° <b>Y</b> '43'45		evening set	13232 Mar 10 08:04	10° <b>Y</b> ′52'03	
min. Earth dist.	13231 Mar 31 23:19	22° <b>Y</b> ′53'54	0.66763 AU	min. Earth dist.	13232 Mar 14 05:53	7° <b>Y</b> 09'55	0.65227 AU
inferior conj	13231 Apr 02 18:35	20° <b>Y</b> '42'21	1°03'17	asc. node	13232 Mar 16 06:29	4° <b>Y</b> ′54'27	
minimum elong	13231 Apr 02 17:05	20° <b>Y</b> 46'56	1°02'27	inferior conj	13232 Mar 16 13:18	4° <b>Y</b> 35'21	0°05'28
morning rise	13231 Apr 08 14:34	14° <b>Y</b> ′59'21		minimum elong	13232 Mar 16 13:08	4° <b>Y</b> 35'47	0°05'26
direct	13231 Apr 11 17:09	14° <b>Y</b> ′04'58		transit middle	13232 Mar 16 13:08	4° <b>Y</b> 35'47	0°05'26
morning max el	13231 Apr 18 05:18	17° <b>Ƴ</b> 32'50	18°28'48	transit begin	13232 Mar 16 10:18	4° <b>Υ</b> 43'45	
	13231 Apr 27 18:19	$0^{\circ}S$		transit end	13232 Mar 16 15:59	4° <b>Υ</b> 27'51	
desc. node	13231 May 02 11:03	7° <b>8</b> 13'24			13232 Mar 21 07:09	30° <b>₹</b>	
morning set	13231 May 08 20:07	17° <b>8</b> 15'39		morning rise	13232 Mar 22 19:52	29° <b>米</b> 05′11	
	13231 May 16 22:27	$\Pi$ °0		direct	13232 Mar 25 12:53	28° <b>¥</b> 26′08	
		🗨			13232 Mar 29 19:39	0°Υ	
superior conj	13231 May 24 17:39	12° <b>Ⅱ</b> 11'50		morning max el	13232 Mar 31 21:06	1°Υ44'20	17°59'07
minimum elong	13231 May 24 11:07	11° <b>II</b> 46'18		desc. node	13232 Apr 18 07:40	27° <b>Υ</b> 26'41	
max. Earth dist.	13231 May 24 20:17	12° <b>Ⅱ</b> 22'07 0° <b>©</b>	1.45815 AU	morning set	13232 Apr 18 20:33	28° <b>Y</b> 19'34 0° <b>と</b>	
avaning rise	13231 Jun 05 02:33 13231 Jun 09 12:12	0°956'12			13232 Apr 19 21:01	00	
evening rise greatest brilliancy	13231 Jun 09 12:12 13231 Jun 18 10:12	20°958'11	-0.8m	superior conj	13232 May 03 05:19	21° <b>8</b> 31'04	_1°38'50
greatest oriniancy	13231 Jun 24 09:51	20 <b>3</b> 38 11 0° <b>Ω</b>	-0.0III	minimum elong	13232 May 03 03.19 13232 May 02 20:11	20° <b>8</b> 54'56	
asc. node	13231 Jun 26 06:50	2° <b>Ω</b> 37'53		max. Earth dist.	13232 May 06 16:26	26° <b>8</b> 58'10	1.45599 AU
evening max el	13231 Jul 01 09:49	8° <b>Ω</b> 48'00	18°48'57	max. Larm dist.	13232 May 08 14:56	20 <b>O</b> 38 10 0° <b>Ⅱ</b>	1.733// AU
retrograde	13231 Jul 08 01:34	12° <b>Ω</b> 26'37	10 1037	evening rise	13232 May 19 07:05	16° <b>Ⅱ</b> 31'40	
evening set	13231 Jul 11 09:47	11° <b>Ω</b> 22'22			13232 May 19 07:03	0°95	
inferior conj	13231 Jul 16 23:19	5°Ω40'38	2°56'39	greatest brilliancy	13232 Jun 01 23:50	7°9517'47	-0.7m
minimum elong	13231 Jul 17 01:00	5° <b>Ω</b> 35'23		asc. node	13232 Jun 12 03:49	20°\$56'26	
5		_					

evening max el	13232 Jun 13 16:41	22° <b>©</b> 34'26	19°36'59	asc. node	13233 May 30 00:53	8° <b>ॐ</b> 28'21	
retrograde	13232 Jun 20 23:30	26°5941'05		retrograde	13233 Jun 04 22:27	11° <b>5</b> 06'47	
evening set	13232 Jun 24 16:58	25° <b>©</b> 20'16		evening set	13233 Jun 09 01:51	9° <b>©</b> 29'24	
inferior conj	13232 Jun 30 01:24	19° <b>5</b> 24'50	3°10'43	inferior conj	13233 Jun 14 08:04	3°521'48	3°12'04
minimum elong	13232 Jun 30 02:03	19° <b>©</b> 22'38	3°09'42	minimum elong	13233 Jun 14 07:42		3°11'02
•		17° <b>©</b> 50'00		_		2° <b>©</b> 31'17	
min. Earth dist.	13232 Jul 01 05:54		0.67447 AU	min. Earth dist.	13233 Jun 14 22:42		0.68387 AU
morning rise	13232 Jul 05 10:43	13° <b>©</b> 01'25			13233 Jun 16 20:09	30°RⅡ	
direct	13232 Jul 11 08:26	10° <b>©</b> 25'56		morning rise	13233 Jun 19 13:15	27° <b>Ⅱ</b> 01'57	
desc. node	13232 Jul 15 07:37	11° <b>©</b> 23'44		direct	13233 Jun 24 23:08	24° <b>Ⅱ</b> 38'53	
morning max el	13232 Jul 23 11:49	17° <b>5</b> 42'37	25°20'22	desc. node	13233 Jul 02 04:51	27° <b>Ⅱ</b> 49'56	
	13232 Aug 02 19:00	$0^{\circ}\Omega$			13233 Jul 04 16:35	$0$ $\circ$ $\odot$	
	13232 Aug 22 13:54	o∘mp		morning max el	13233 Jul 05 21:58	1°9512'01	23°52'40
morning set	13232 Aug 28 10:38	10° m 12'57		C	13233 Jul 27 17:26	$0^{\circ}\Omega$	
max. Earth dist.	13232 Sep 01 01:11	16° <b>m</b> ) 49'47	1.36330 AU	morning set	13233 Aug 10 03:51	21° <b>Ω</b> 36'01	
man, Darvir dige.	10202 00p 01 01.11	10 14 15 17	1.50550110	max. Earth dist.	13233 Aug 13 22:43	28° <b>Ω</b> 10'22	1.38624 AU
superior coni	13232 Sep 07 08:17	28° m 59'17	0000103	max. Lartii dist.	13233 Aug 14 23:25	0°m)	1.36024 AC
superior conj	*				13233 Aug 14 23.23	עוו ט	
minimum elong	13232 Sep 07 08:47	29° m 01'48	0°08'05				
behind sun begin	13232 Sep 07 03:14	28° <b>m</b> 34'13		superior conj	13233 Aug 21 09:38	11°M)48'22	
behind sun end	13232 Sep 07 14:20	29° <b>m</b> 29'26		minimum elong	13233 Aug 21 12:37	12° Mp 02'28	0°42'02
	13232 Sep 07 20:28	0∘ <b>亚</b>		asc. node	13233 Aug 26 01:23	20° Mp 45'21	
asc. node	13232 Sep 08 04:50	0° <b>₽</b> 41'49		evening rise	13233 Aug 30 09:45	29° <b>m</b> 16'58	
evening rise	13232 Sep 15 10:07	15° <b>≏</b> 23'02			13233 Aug 30 18:32	0∘ <b>⊽</b>	
•	13232 Sep 22 22:48	o° <b>m</b> .		evening max el	13233 Sep 15 16:56	25° <b>£</b> 51'56	18°54'58
evening max el	13232 Oct 02 21:24	14° <b>M</b> 09'07	19°51'57	S	13233 Sep 22 11:08	0°M	
desc. node	13232 Oct 11 03:56	19°M04'23		retrograde	13233 Sep 24 08:29	0°M12'08	
retrograde	13232 Oct 11 03:30 13232 Oct 13 03:07	19°M 15'19		evening set	13233 Sep 24 05:28	0°M00'43	
•				evening set	•		
evening set	13232 Oct 15 01:33	19°M05'12	2051152		13233 Sep 26 06:52	30° <b>₹</b> Ω	
inferior conj	13232 Oct 23 22:19	15°M04'20		desc. node	13233 Sep 28 01:26	29° <b>≏</b> 28'54	
minimum elong	13232 Oct 23 12:49	15° <b>™</b> 18'54	3°48'09	inferior conj	13233 Oct 04 12:18	25° <b>≏</b> 43'04	
min. Earth dist.	13232 Oct 25 22:21	13° <b>M</b> 50'41	0.55101 AU	minimum elong	13233 Oct 04 07:08	25° <b>≏</b> 52'13	2°00'04
morning rise	13232 Oct 31 22:38	10° <b>M</b> 50′15		min. Earth dist.	13233 Oct 07 11:34	23° <b>≏</b> 37'42	0.56528 AU
direct	13232 Nov 05 20:02	9° <b>M</b> 57'41		morning rise	13233 Oct 12 05:38	20° <b>≏</b> 53'12	
morning max el	13232 Nov 19 14:32	16° <b>M</b> ₊46'51	24°33'07	direct	13233 Oct 17 22:05	19° <b>≏</b> 36'14	
	13232 Nov 30 06:38	0° <b>∡</b> ¹		morning max el	13233 Nov 01 02:43	26° <b>₽</b> 55'09	26°11'23
asc. node	13232 Dec 05 06:13	8° <b>х</b> 10'41			13233 Nov 04 02:07	0°M	
morning set	13232 Dec 35 00:15	27°×729'13		asc. node	13233 Nov 22 03:06	27°M12'00	
morning set	13232 Dec 15 01:01	0°る		asc. node	13233 Nov 22 03:00 13233 Nov 23 14:10	0° <b>√</b>	
	13232 Dec 10 04.39	0.0					
	10000 0 01 00 10	100-701115	1007110	morning set	13233 Nov 29 11:54	12° <b>∡</b> ¹07'06	
superior conj	13232 Dec 21 20:13						
minimum elong	13232 Dec 21 20:41	12° <b>る</b> 23'48		superior conj	13233 Dec 06 06:50	27° <b>∡</b> °04′23	
max. Earth dist.	13232 Dec 23 22:57	16° <b>る</b> 57'26	1.32397 AU	minimum elong	13233 Dec 06 06:13	27° <b>∡</b> 00′59	1°38'20
evening rise	13232 Dec 29 05:40	28° <b>る</b> 04'07		max. Earth dist.	13233 Dec 07 04:36	29° <b>∡</b> 05′21	1.31554 AU
	13232 Dec 30 04:35	0° <b>≈</b>			13233 Dec 07 14:28	0°る	
desc. node	13233 Jan 07 02:10	14° <b>≈</b> 55'39		evening rise	13233 Dec 13 06:21	12° <b>る</b> 15'42	
	13233 Jan 16 07:58	0° <b>)</b> €			13233 Dec 22 08:21	0° <b>≈</b>	
evening max el	13233 Jan 31 17:10	19° <b>∺</b> 08'37	27°32'35	desc. node	13233 Dec 24 23:02	4° <b>≈</b> 34'49	
retrograde	13233 Feb 14 12:12	26° <b>)</b> 34'15			13234 Jan 12 07:32	0° <b>)</b> €	
evening set	13233 Feb 21 09:22	24°\(\frac{1}{24}\)09'00		evening max el	13234 Jan 14 01:29	1° <b>)</b> 43'47	27°23'14
min. Earth dist.	13233 Feb 25 03:52		0.63357 AU	retrograde	13234 Jan 28 00:08	9° <b>)</b> (01'57	2. 25 1 (
	13233 Feb 27 03:32 13233 Feb 27 22:14	18° <b>¥</b> 09'36		•	13234 Feb 03 21:27	6° <b>)</b> €51'42	
inferior conj				evening set			0.61050 411
minimum elong	13233 Feb 28 00:17	18° <b>)</b> €04'25	1-02-14	min. Earth dist.	13234 Feb 07 15:57		0.61258 AU
asc. node	13233 Mar 03 03:57	15° <b>米</b> 07'19		inferior conj	13234 Feb 10 18:09	1° <b>∺</b> 17'06	
morning rise	13233 Mar 06 17:38	12° <b>)</b> 54'45		minimum elong	13234 Feb 10 23:09	1° <b>∺</b> 05'57	2°19'11
direct	13233 Mar 09 02:40	12° <b>∺</b> 27'28			13234 Feb 12 05:25	30° <b>₹</b> ≈	
morning max el	13233 Mar 15 14:50	15° <b>)</b> 47′20	17°46'42	morning rise	13234 Feb 18 03:51	26° <b>≈</b> 20′19	
	13233 Mar 25 17:25	$0^{\circ}$ Y		asc. node	13234 Feb 18 01:23	26° <b>≈</b> 22'11	
morning set	13233 Mar 31 23:20	10° <b>Ƴ</b> 39'06		direct	13234 Feb 20 07:06	26° <b>≈</b> 01'02	
desc. node	13233 Apr 05 04:12	17° <b>Y</b> ′51′45		morning max el	13234 Feb 27 07:16	29° <b>≈</b> 32'49	17°52'18
	13233 Apr 12 09:51	0°8		<b>3</b>	13234 Feb 27 18:04	0° <b>∀</b>	
				morning set	13234 Mar 14 22:31	23° <b>¥</b> 56′07	
superior conj	13233 Apr 13 11:14	1° <b>8</b> 44'13	-1°01'15	morning sot	13234 Mar 18 07:08	23 <b>γ</b> (3007	
	-	1° <b>8</b> 18'47		daga (r - J -			
minimum elong	13233 Apr 13 05:01			desc. node	13234 Mar 23 00:43	8° <b>Y</b> 24'32	
max. Earth dist.	13233 Apr 19 10:40		1.44664 AU		1000437 5- :-	120000	0001:00
evening rise	13233 Apr 28 18:10	25° <b>8</b> 55'32		superior conj	13234 Mar 25 17:17	13° <b>Y</b> ′05′00	
	13233 May 01 10:10	$\Pi$ °0		minimum elong	13234 Mar 25 15:22	12° <b>Y</b> 56'45	
	13233 May 22 05:48	$0$ $\circ$ $\odot$		max. Earth dist.	13234 Apr 02 01:23	25° <b>Y</b> 23'35	1.43114 AU
evening max el	13233 May 27 17:47	6° <b>©</b> 22'27	20°39'35		13234 Apr 04 21:39	$0^{\circ}$ 8	

,	J		υ	<i>\</i> //		,	1 0
evening rise	13234 Apr 08 13:25	5° <b>8</b> 48'07		max. Earth dist.	13235 Mar 15 11:52	8° <b>Ƴ</b> 47'54	1.41114 AU
evening rise	13234 Apr 24 16:59	0°Ⅱ		evening rise	13235 Mar 20 03:03	16° <b>Υ</b> 31'16	1.11111110
evening max el	13234 May 10 13:31	20° <b>I</b> 11'54	21°53'21	evening rise	13235 Mar 28 15:58	0°8	
asc. node	13234 May 16 22:05	24° <b>I</b> I59'25	21 33 21		13235 Apr 19 11:36	0°II	
		25° <b>I</b> 39'06		avanina may al	•	4° <b>Ⅱ</b> 02'27	22012124
retrograde	13234 May 19 20:31	23° <b>I</b> I45'43		evening max el	13235 Apr 23 05:17	4 <b>П</b> 02 27 10° <b>П</b> 12'01	23 13 24
evening set	13234 May 24 10:44		2002117	retrograde	13235 May 03 16:15		
inferior conj	13234 May 29 17:10	17° <b>Ⅱ</b> 27'51		asc. node	13235 May 03 19:24	10° <b>Ⅱ</b> 11'56	
minimum elong	13234 May 29 15:54	17° <b>Ⅱ</b> 32'14	3°01'09	evening set	13235 May 08 17:56	8° <b>Ⅱ</b> 03'59	0.60040.411
min. Earth dist.	13234 May 29 18:35	17° <b>Ⅲ</b> 22'53	0.68855 AU	min. Earth dist.	13235 May 13 15:21	2° <b>Ⅱ</b> 17'26	0.68848 AU
morning rise	13234 Jun 03 20:53	11° <b>Ⅱ</b> 13'43		inferior conj	13235 May 14 02:41	1° <b>Ⅱ</b> 38'16	
direct	13234 Jun 08 18:02	9° <b>Ⅱ</b> 08'17		minimum elong	13235 May 14 00:48	1° <b>∏</b> 44'47	2°40'58
morning max el	13234 Jun 18 09:40	14° <b>Ⅱ</b> 49'16	22°23'23		13235 May 15 07:26	30° <b>₹</b> 8	
desc. node	13234 Jun 19 01:56	15° <b>Ⅱ</b> 30′52		morning rise	13235 May 19 07:34	25° <b>8</b> 31'17	
	13234 Jun 30 17:00	0		direct	13235 May 23 15:54	23° <b>8</b> 46'19	
	13234 Jul 20 16:31	$0 {\circ} \mathcal{N}$		morning max el	13235 Jun 01 02:13	28° <b>8</b> 36'27	21°00'28
morning set	13234 Jul 21 20:59	1° <b>Ω</b> 55′03			13235 Jun 02 10:26	$\Pi^{\circ}0$	
max. Earth dist.	13234 Jul 26 22:08	10° <b>Ω</b> 15'41	1.40962 AU	desc. node	13235 Jun 05 22:55	4° <b>Ⅱ</b> 05'46	
					13235 Jun 24 07:05	$0$ $\circ$ $\odot$	
superior conj	13234 Aug 03 18:07	23° <b>Ω</b> 51'19	-1°16'53	morning set	13235 Jul 01 13:36	11° <b>©</b> 10'04	
minimum elong	13234 Aug 03 23:50	24° <b>Ω</b> 16'51	1°16'45	max. Earth dist.	13235 Jul 09 04:04	23° <b>5</b> 16'20	1.43047 AU
	13234 Aug 07 03:36	0° <b>m</b> )			13235 Jul 13 06:18	$0^{\circ}\Omega$	
asc. node	13234 Aug 12 22:00	10° m 42'45					
evening rise	13234 Aug 13 23:46	12° mp 43'37		superior conj	13235 Jul 16 05:17	4° <b>Ω</b> 57'47	-1°47'54
e renning rise	13234 Aug 23 15:59	0° <b>⊽</b>		minimum elong	13235 Jul 16 12:26	5°Ω28'05	
evening max el	13234 Aug 29 22:48	ა — 8° <b>ჲ</b> 17'45	18°19'18	evening rise	13235 Jul 27 23:52	25°Ω31'59	1 10 00
retrograde	13234 Sep 06 09:09	12° <b>⊆</b> 03'32	10 17 10	asc. node	13235 Jul 30 18:41	0° m, 29'39	
evening set	13234 Sep 08 11:43	11° <b>⊆</b> 46'06		asc. node	13235 Jul 30 12:00	0°m)	
desc. node	-	7° <b>£</b> 58'38		avanina may al		~	10002146
	13234 Sep 14 22:56		0010127	evening max el	13235 Aug 13 10:48	21° M) 16'34	18 03 40
inferior conj	13234 Sep 16 00:01	7° <b>♀</b> 07'22		retrograde	13235 Aug 20 03:14	24° Mp 42'37	
minimum elong	13234 Sep 15 23:18	7° <b>₽</b> 08'52		evening set	13235 Aug 22 13:28	24° Mp 15'27	1002140
min. Earth dist.	13234 Sep 19 07:23	4° <b>£</b> 24'21	0.58539 AU	inferior conj	13235 Aug 29 08:13	19° Mp 16'22	1°02'48
morning rise	13234 Sep 23 07:25	1° <b>≏</b> 41'23		minimum elong	13235 Aug 29 10:01	19° <b>m</b> 12'03	1°01'52
	13234 Sep 28 12:24	30°R, Mp		min. Earth dist.	13235 Sep 01 11:55	16° Mp 16'12	0.60804 AU
direct	13234 Sep 29 14:09	29° <b>m</b> 56'58		desc. node	13235 Sep 01 20:26	15° <b>m</b> 57'00	
	13234 Sep 30 16:03	0∘ <b>ত</b>		morning rise	13235 Sep 05 03:41	13° <b>m</b> 21'49	
morning max el	13234 Oct 13 21:47	7° <b>£</b> 37'26	27°22'18	direct	13235 Sep 11 18:13	11° <b>m</b> y 11'43	
	13234 Oct 30 18:43	0° <b>M</b> ₊		morning max el	13235 Sep 26 00:31	19° <b>m</b> 07'08	27°56'03
asc. node	13234 Nov 08 23:53	16°M38'14			13235 Oct 05 06:07	0。 <b>ಹ</b>	
morning set	13234 Nov 13 20:03	26°M33'29			13235 Oct 23 14:54	$0^{\circ}$ M	
	13234 Nov 15 10:33	0° <b>∡</b> ¹		asc. node	13235 Oct 26 20:37	6°M22'35	
				morning set	13235 Oct 28 23:38	10° <b>M</b> ₊44'07	
superior conj	13234 Nov 20 18:28	11° <b>∡</b> ¹46'52	1°31'06	max. Earth dist.	13235 Nov 03 20:36	23°M22'28	1.31408 AU
minimum elong	13234 Nov 20 16:57	11° <b>∡</b> ³38′22	1°31'55				
max. Earth dist.	13234 Nov 20 13:03	11° <b>∡</b> 16′33	1.31221 AU	superior conj	13235 Nov 05 05:19	26°M23'37	1°19'07
evening rise	13234 Nov 27 12:32	26° <b>∡</b> ³39'44		minimum elong	13235 Nov 05 03:12	26°M₊11'52	1°19'39
	13234 Nov 29 02:22	0°⋜		-	13235 Nov 06 20:14	0° <b>∡</b> ¹	
desc. node	13234 Dec 11 20:01	23° <b>る</b> 41'31		evening rise	13235 Nov 11 22:10	11° <b>∡</b> 11'06	
	13234 Dec 15 22:55	0° <b>≈</b>		C	13235 Nov 21 08:19	ი∘ჳ	
evening max el	13234 Dec 27 03:27	13° <b>≈</b> 30'46	26°39'11	desc. node	13235 Nov 28 17:07	12° <b>る</b> 03'30	
retrograde	13235 Jan 10 02:24	20° <b>≈</b> 38'47		evening max el	13235 Dec 08 20:58	24° <b>る</b> 24'49	25°22'58
evening set	13235 Jan 16 16:31	18°≈51'26		evening max or	13235 Dec 16 17:32	0°≈	23 22 30
min. Earth dist.	13235 Jan 20 17:22	16°≈14'10	0.59087 AU	retrograde	13235 Dec 10 17:32 13235 Dec 22 17:22	1° <b>≈</b> 22'39	
inferior conj	13235 Jan 23 21:23	13°≈47'25		evening set	13235 Dec 28 14:24	0°≈04'04	
	13235 Jan 24 05:15		3°41'07	evening set	13235 Dec 28 14:24 13235 Dec 28 18:07	0 ~0+0+ 30°Rる	
minimum elong			3 41 07	i. David dias		• -	0.570(5.AII
morning rise	13235 Jan 31 20:59	9°≈11'34		min. Earth dist.	13236 Jan 02 09:06	27° <b>3</b> 24'21	0.57065 AU
direct	13235 Feb 02 22:04	8°≈56'36		inferior conj	13236 Jan 05 04:45	25° <b>る</b> 31'10	
asc. node	13235 Feb 04 22:48	9°≈12'00	10015110	minimum elong	13236 Jan 05 13:16	25° <b>3</b> 16'51	4°57'30
morning max el	13235 Feb 10 18:47	12°≈50'04	18°17'19	morning rise	13236 Jan 13 14:37	21° <b>る</b> 17'42	
	13235 Feb 22 07:09	0° <b>∀</b>		direct	13236 Jan 15 19:11	21° <b>る</b> 03'29	
morning set	13235 Feb 26 12:10	7° <b>¥</b> 52'22		asc. node	13236 Jan 22 20:07	23° <b>る</b> 41'48	
				morning max el	13236 Jan 24 21:25	25° <b>る</b> 28'13	19°03'39
superior conj	13235 Mar 07 21:55	25° <b>∺</b> 27'48	0°15'42		13236 Jan 28 18:51	0° <b>≈</b>	
minimum elong	13235 Mar 07 23:05	25° <b>)</b> 33′05	0°15'42	morning set	13236 Feb 10 11:44	22° <b>≈</b> 14′13	
behind sun begin	13235 Mar 07 21:49	25° <b>∺</b> 27'19			13236 Feb 14 09:52	0° <b>∀</b>	
behind sun end	13235 Mar 08 00:21	25° <b>¥</b> 38'51					
desc. node	13235 Mar 09 21:12	29° <b>₭</b> 00'50		superior conj	13236 Feb 18 20:48	8° <b>)</b> 40′39	0°46'10
	13235 Mar 10 10:29	$0^{\circ}$ Y		minimum elong	13236 Feb 18 23:23	8° <b>¥</b> 53′00	0°46'14
				•			

desc. node	12026 Feb. 24, 17:45	19° <b>)</b> 37'21			12227 Fab. 05. 04:26	0° <b>)</b> €	
max. Earth dist.	13236 Feb 24 17:45 13236 Feb 25 18:51	21° <b>H</b> 30'15	1.38881 AU	max. Earth dist.	13237 Feb 05 04:26 13237 Feb 07 01:35	3° <b>)</b> (36′27	1.36663 AU
		21 <del>X</del> 30 13 28° <del>X</del> 09'33	1.30001 AU		13237 Feb 07 01.33 13237 Feb 10 20:15	3 <del>X</del> 3627 10° <del>X</del> 36'51	1.30003 AU
evening rise	13236 Feb 29 13:55 13236 Mar 01 15:46	28 π0933 0° <b>Υ</b>		evening rise desc. node	13237 Feb 10 20:13 13237 Feb 10 14:20	10 <b>★</b> 3631 10° <b>★</b> 09'56	
	13236 Mar 21 03:06	0°8		desc. Hode	13237 Feb 10 14:20 13237 Feb 22 07:18	10 <b>γ</b> (09 30	
evening max el	13236 Apr 04 19:01	17° <b>8</b> 54'28	24°33'33		13237 New 22 07:18 13237 Mar 16 14:45	0°B	
retrograde	13236 Apr 16 08:32	24° <b>8</b> 40'13	24 33 33	evening max el	13237 Mar 18 08:24	1° <b>8</b> 45'46	25046'56
asc. node	13236 Apr 19 16:45	23° <b>8</b> 50'48		retrograde	13237 Mar 30 20:22	8° <b>8</b> 57'09	25 40 50
evening set	13236 Apr 21 21:56	23° <b>8</b> 19'58		evening set	13237 Apr 05 21:05	6° <b>8</b> 28'24	
min. Earth dist.	13236 Apr 26 10:54	17° <b>8</b> 09'33	0.68379 AU	asc. node	13237 Apr 05 21:03 13237 Apr 06 14:11	5° <b>8</b> 50'35	
inferior conj	13236 Apr 27 10:45	17 <b>8</b> 09 33	2°12'01	min. Earth dist.	13237 Apr 10 03:10	1° <b>8</b> 53'18	0.67465 AU
5	1	15° <b>8</b> 57'01	2°10'45	inferior conj	•	29° <b>Y</b> 58'28	1°31'30
minimum elong	13236 Apr 27 08:36	9° <b>8</b> 51'03	2 1043	,	13237 Apr 11 15:25	0° <b>8</b> 04'35	1°30'25
morning rise	13236 May 02 19:26			minimum elong	13237 Apr 11 13:30	_	1-30-25
direct	13236 May 06 15:24	8° <b>8</b> 27'05	10040126		13237 Apr 11 14:56	30° <b>ዪƳ</b> 24° <b>Ƴ</b> 09'14	
morning max el	13236 May 14 02:00	12° <b>8</b> 35'34	19°49'26	morning rise	13237 Apr 17 06:31	24° \cdot \( 09' \)14 23° \cdot \( 04' \)53	
desc. node	13236 May 22 19:48	23° <b>8</b> 20'12		direct	13237 Apr 20 15:02		10052120
	13236 May 27 11:38	0°II	0.6	morning max el	13237 Apr 27 09:16	26° <b>Y</b> 44'12	18°53'30
greatest brilliancy	13236 May 27 05:19	29° <b>8</b> 36'56	-0.6m	1 1	13237 Apr 30 08:19	0°8	
morning set	13236 Jun 09 15:26	19° <b>∏</b> 49'48		desc. node	13237 May 09 16:34	13° <b>8</b> 03'37	0.0
79 J. P.	13236 Jun 16 04:58	0°50	1 11612 177	greatest brilliancy	13237 May 10 23:42	15° <b>8</b> 01'23	-0.8m
max. Earth dist.	13236 Jun 20 16:30	7° <b>©</b> 03'05	1.44643 AU	morning set	13237 May 19 23:21	28° <b>8</b> 52'53	
			••••		13237 May 20 16:38	0°П	
superior conj	13236 Jun 25 16:31	15° <b>©</b> 03'15		max. Earth dist.	13237 Jun 03 09:33	21°Щ20'42	1.45591 AU
minimum elong	13236 Jun 25 21:13	15° <b>©</b> 22'15	2°09'35			—	
	13236 Jul 04 18:25	$0$ $\circ$ $\Omega$		superior conj	13237 Jun 05 07:35	24° <b>Ⅱ</b> 21'04	
evening rise	13236 Jul 09 04:59	7° <b>Ω</b> 29'29		minimum elong	13237 Jun 05 05:11	24° <b>∏</b> 11'41	2°13'34
asc. node	13236 Jul 16 15:26	20° <b>Ω</b> 00'51			13237 Jun 08 21:43	0∘ <b>ௐ</b>	
	13236 Jul 23 03:40	0°Ту		evening rise	13237 Jun 20 10:37	18° <b>5</b> 26'43	
evening max el	13236 Jul 27 01:05	4° Mp 38′21	18°07'13		13237 Jun 27 14:27	$0$ $\circ$ $\Omega$	
retrograde	13236 Aug 02 10:05	7° <b>m</b> 58'50		asc. node	13237 Jul 03 12:16	9° <b>Ω</b> 10'35	
evening set	13236 Aug 05 04:32	7° <b>m</b> ) 18'57		evening max el	13237 Jul 10 14:28		18°28'45
inferior conj	13236 Aug 11 09:01	2° Mp 01'55	2°02'29	retrograde	13237 Jul 17 01:21	21° <b>Ω</b> 43'32	
minimum elong	13236 Aug 11 11:33	1° m 55'03	2°01'11	evening set	13237 Jul 20 04:22	20° <b>Ω</b> 48'43	
	13236 Aug 13 05:49	30°R€		inferior conj	13237 Jul 25 22:22	15°Ω15'45	2°41'49
min. Earth dist.	13236 Aug 14 02:12	29° <b>Ω</b> 05'58	0.63045 AU	minimum elong	13237 Jul 26 00:31	15°Ω09'18	2°40'36
morning rise	13236 Aug 17 16:34	25° <b>Ω</b> 49'06		min. Earth dist.	13237 Jul 28 01:52	12° <b>Ω</b> 42'02	0.65058 AU
desc. node	13236 Aug 18 17:58	25° <b>Ω</b> 05'09		morning rise	13237 Jul 31 19:28	8° <b>Ω</b> 54'02	
direct	13236 Aug 24 08:37	23° <b>Ω</b> 19'35		desc. node	13237 Aug 05 15:25	6° <b>Ω</b> 24'24	
	13236 Sep 05 23:03	0° Mp	25050150	direct	13237 Aug 07 07:34	6° <b>Ω</b> 14'21	25011111
morning max el	13236 Sep 07 08:44	1° m 21'35	27°50'59	morning max el	13237 Aug 20 19:28	14° <b>Ω</b> 10'32	27°11'41
	13236 Sep 28 11:15	0∘ <b>⊽</b>			13237 Sep 02 16:02	0° my	
morning set	13236 Oct 11 20:23	24° <b>Ω</b> 32'37			13237 Sep 21 03:31	0∘ <b>ʊ</b>	
asc. node	13236 Oct 12 17:16	26° <b>△</b> 18'41		morning set	13237 Sep 25 07:36	7° <b>Ω</b> 52'42	
79 J. P.	13236 Oct 14 12:09	0°M	1 22127 177	max. Earth dist.	13237 Sep 29 17:05	16° <b>Ω</b> 38'27	1.33381 AU
max. Earth dist.	13236 Oct 16 23:07	5°11611'49	1.32127 AU	asc. node	13237 Sep 29 13:53	16° <b>≏</b> 22'07	
	122260 / 10 12 22	100 <b>m</b> 4012.5	1001121		12227 0 + 02 16 26	240 0 56125	0020125
superior conj	13236 Oct 19 13:23	10°M48'35	1°01'31	superior conj	13237 Oct 03 16:36	24° <b>£</b> 56'25 24° <b>£</b> 46'53	0°38'25 0°38'24
minimum elong	13236 Oct 19 11:08	10°M36'16	1°01'44	minimum elong	13237 Oct 03 14:48		0°38′24
evening rise	13236 Oct 26 09:16	25°M43'49		<del>-</del> :	13237 Oct 06 01:30	0°M	
	13236 Oct 28 09:26	0° ⊀ <sup>7</sup>		evening rise	13237 Oct 10 20:00	10°M13'27	
desc. node	13236 Nov 14 14:20	29° <b>∡</b> 23'05			13237 Oct 20 23:28	0° <b>⊼</b> ¹	2200 4100
	13236 Nov 15 02:19	0°る	22045124	evening max el	13237 Oct 31 19:14	14° <b>∡</b> ³38'42	22°04'08
evening max el	13236 Nov 19 07:37	4° <b>る</b> 36'30	23°45'31	desc. node	13237 Nov 01 11:38	15° <b>∡</b> 17'51	
retrograde	13236 Dec 02 19:51	11°る20'20		retrograde	13237 Nov 13 10:41	20° <b>₹</b> 54'55	
evening set	13236 Dec 07 12:24	10°る32'24	0.55454 433	evening set	13237 Nov 16 17:17	20° <b>₹</b> 31'06	50.47150
min. Earth dist.	13236 Dec 13 18:18	7°る30'59		inferior conj	13237 Nov 25 10:49	16° <b>₹</b> 35'53	
inferior conj	13236 Dec 15 15:29	6° <b>る</b> 23'48		minimum elong	13237 Nov 25 06:00	16° <b>₹</b> 42'38	5°46'27
minimum elong	13236 Dec 15 19:28	6°る17'51	5°48'02	min. Earth dist.	13237 Nov 25 00:49	16° <b>∡</b> 749'53	0.54609 AU
morning rise	13236 Dec 24 04:23	2°る29'14		morning rise	13237 Dec 03 19:48	12° <b>∡</b> 48'37	
direct	13236 Dec 26 20:27	2°る11'31		direct	13237 Dec 07 07:20	12° <b>₹</b> 21'45	
morning max el	13237 Jan 06 11:18	7° <b>る</b> 16'08	20°12'55	morning max el	13237 Dec 19 10:47	18° <b>∡</b> 10′06	21°44'12
asc. node	13237 Jan 08 17:23	9° <b>ප</b> 38'55		asc. node	13237 Dec 26 14:32	26° <b>₹</b> '46'44	
	13237 Jan 21 08:02	0° <b>≈</b>			13237 Dec 28 17:21	0°る	
morning set	13237 Jan 24 17:44	6° <b>≈</b> 50'51		morning set	13238 Jan 09 03:36	21° <b>る</b> 35'00	
	12227 7 1 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	220 22::-	1000/20		13238 Jan 13 02:57	0° <b>≈</b>	
superior conj	13237 Feb 01 09:16	22°≈29'45	1°09'30		12220 7 16 07 00	CO: - 4 *** C	1005140
minimum elong	13237 Feb 01 12:00	22° <b>≈</b> 43′28	1°09'51	superior conj	13238 Jan 16 07:30	6° <b>≈</b> 44'18	1~25'43

minimum elong	13238 Jan 16 09:36	6° <b>≈</b> 55'20	1°26'23		13238 Dec 21 14:27	0° <b>ろ</b>	
max. Earth dist.	13238 Jan 20 13:18	15° <b>≈</b> 27'30	1.34690 AU	morning set	13238 Dec 24 15:18	6° <b>る</b> 21'16	
evening rise	13238 Jan 24 18:43	23° <b>≈</b> 44'22					
desc. node	13238 Jan 28 10:57	0° <b>)</b> 34′38		superior conj	13238 Dec 31 12:26	21° <b>る</b> 15'54	1°35'10
	13238 Jan 28 03:20	0° <b>∀</b>		minimum elong	13238 Dec 31 13:32	21° <b>る</b> 21'53	1°36'06
	13238 Feb 15 22:16	$0^{\circ}$ Y		max. Earth dist.	13239 Jan 03 08:58	27° <b>る</b> 22'36	1.33104 AU
evening max el	13238 Feb 28 22:08	15° <b>Ƴ</b> 30′22	26°46'06		13239 Jan 04 14:56	0° <b>≈</b>	
retrograde	13238 Mar 14 02:42	22° <b>Y</b> 54'44		evening rise	13239 Jan 08 05:47	7° <b>≈</b> 23'18	
evening set	13238 Mar 20 13:28	20° <b>Ƴ</b> '22'29		desc. node	13239 Jan 15 07:38	20° <b>≈</b> 46'55	
asc. node	13238 Mar 24 11:38	16° <b>Ƴ</b> 28'12			13239 Jan 20 16:35	0° <b>∀</b>	
min. Earth dist.	13238 Mar 24 14:00	16° <b>Ƴ</b> 21'24	0.66143 AU	evening max el	13239 Feb 11 11:26	28° <b>¥</b> 58'26	27°23'36
inferior conj	13238 Mar 26 14:28	13° <b>Y</b> ′58'51	0°40'07	, and the second	13239 Feb 12 13:49	$0^{\circ}\mathbf{Y}$	
minimum elong	13238 Mar 26 13:26	14° <b>Ƴ</b> 01'54	0°39'35	retrograde	13239 Feb 25 02:28	6° <b>Y</b> 25′05	
morning rise	13238 Apr 01 14:38	8° <b>Ƴ</b> 20'51		evening set	13239 Mar 03 20:59	3° <b>Y</b> 55'24	
direct	13238 Apr 04 12:54	7° <b>Ƴ</b> 33'28		min. Earth dist.	13239 Mar 07 17:16	0° <b>Υ</b> 26'05	0.64463 AU
morning max el	13238 Apr 10 22:33	10° <b>Y</b> 56'10	18°14'04		13239 Mar 08 03:14	30°R <b>)</b> €	
morning man er	13238 Apr 24 14:09	0°8	10 1.0.	inferior conj	13239 Mar 10 05:25	27° <b>)</b> 45'13	-0°22'25
desc. node	13238 Apr 26 13:14	3° <b>8</b> 07'38		minimum elong	13239 Mar 10 06:06	27° <b>¥</b> 43'24	
morning set	13238 Apr 30 07:16	9° <b>8</b> 08'16		asc. node	13239 Mar 11 09:05	26°\(\frac{4324}{32'04}\)	0 2137
morning set	13238 May 13 10:43	0°Ⅱ		morning rise	13239 Mar 16 17:09	20 \(\frac{1}{32}\)04 22°\(\frac{1}{2}\)20'54	
	13236 May 13 10.43	υш		direct	13239 Mar 19 06:37	21° <b>)</b> 47'11	
aumorior aomi	13238 May 15 15:20	3° <b>Ⅱ</b> 26′08	1056114		13239 Mar 25 15:28	25° <b>)</b> (4/11)	17°51'42
superior conj	•	2° <b>П</b> 52'53		morning max el		25 <del>Υ</del> 04 50 0° <b>Υ</b>	17 31 42
minimum elong	13238 May 15 06:50	2 <b>Π</b> 32 33 5° <b>Π</b> 54'15			13239 Mar 29 18:51	0 1 20° <b>Υ</b> 46'49	
max. Earth dist.	13238 May 17 05:13		1.45811 AU	morning set	13239 Apr 11 19:37		
evening rise	13238 May 31 16:15	28° <b>Ⅱ</b> 25'32		desc. node	13239 Apr 13 09:49	23° <b>Y</b> 26'36	
	13238 Jun 01 16:31	0°©	A =		13239 Apr 17 08:28	0°8	
greatest brilliancy	13238 Jun 11 19:55	15°9540'27	-0.7m		12222 1 25 22 22	10011040406	1000115
asc. node	13238 Jun 20 09:12	27°950'34		superior conj	13239 Apr 25 09:22	13° <b>8</b> 04'36	
	13238 Jun 22 03:53	0°Ω		minimum elong	13239 Apr 25 01:01	12° <b>8</b> 31'11	
evening max el	13238 Jun 24 00:19	1° <b>Ω</b> 59'51	19°07'29	max. Earth dist.	13239 Apr 30 01:11	20° <b>8</b> 28'40	1.45288 AU
retrograde	13238 Jun 30 21:32	5° <b>Ω</b> 48'45			13239 May 06 03:30	$\Pi$ °0	
evening set	13238 Jul 04 09:36	4° <b>Ω</b> 37'36		evening rise	13239 May 11 05:56	7° <b>∏</b> 51'21	
	13238 Jul 08 22:45	30° <b>Ŗ</b> ∽			13239 May 25 23:53	0	
inferior conj	13238 Jul 09 20:37	28° <b>©</b> 50'09	3°04'15	greatest brilliancy	13239 May 26 04:56	0°9518'20	-0.6m
minimum elong	13238 Jul 09 21:53	28°5946'06	3°03'11	evening max el	13239 Jun 07 04:54	15° <b>©</b> 47'40	20°01'58
min. Earth dist.	13238 Jul 11 09:29	26° <b>©</b> 51'30	0.66707 AU	asc. node	13239 Jun 07 06:14	15° <b>©</b> 50'59	
morning rise	13238 Jul 15 09:32	22° <b>©</b> 26'12		retrograde	13239 Jun 14 20:05	20° <b>©</b> 08'49	
direct	13238 Jul 21 13:29	19° <b>5</b> 546'31		evening set	13239 Jun 18 17:46	18° <b>©</b> 40'46	
desc. node	13238 Jul 23 12:48	20° <b>5</b> 00'46		inferior conj	13239 Jun 24 00:56	12° <b>5</b> 40'04	3°12'42
morning max el	13238 Aug 03 06:23	27° <b>5</b> 21'34	26°06'07	minimum elong	13239 Jun 24 01:09	12° <b>©</b> 39'20	3°11'41
	13238 Aug 05 17:54	$0$ $\circ$ $\Omega$		min. Earth dist.	13239 Jun 24 23:26	11° <b>©</b> 23'54	0.67913 AU
	13238 Aug 27 08:02	0° <b>m</b> )		morning rise	13239 Jun 29 08:12	6°∽18'07	
morning set	13238 Sep 08 05:54	20° <b>m</b> 35'22		direct	13239 Jul 05 01:10	3°5547'10	
max. Earth dist.	13238 Sep 12 00:52	27° <b>m</b> 45'57	1.35139 AU	desc. node	13239 Jul 10 10:05	5° <b>©</b> 32'56	
	13238 Sep 13 04:25	0∘ <b>ত</b>		morning max el	13239 Jul 16 16:40	10° <b>©</b> 45'56	24°43'48
asc. node	13238 Sep 16 10:27	6° <b>ഫ</b> 28'27			13239 Aug 01 00:16	$0^{\circ}\Omega$	
					13239 Aug 20 00:33	0° <b>m</b> ∕	
superior conj	13238 Sep 17 12:22	8° <b>≏</b> 40'05	0°10'13	morning set	13239 Aug 21 11:05	2° Mp 30'42	
minimum elong	13238 Sep 17 11:47	8° <b>॒</b> 37′08	0°10'08	max. Earth dist.	13239 Aug 25 00:57	8° <b>m</b> 55'10	1.37294 AU
behind sun begin	13238 Sep 17 07:04	8° <b>₽</b> 13'04					
behind sun end	13238 Sep 17 16:31	9° <b>ഫ</b> 01'15		superior conj	13239 Aug 31 21:34	21° <b>m</b> 51'50	-0°22'13
evening rise	13238 Sep 25 04:21	24° <b>≙</b> 34'20		minimum elong	13239 Aug 31 23:02	21° m 59'02	0°22'12
	13238 Sep 27 19:56	0° <b>M</b> .		asc. node	13239 Sep 03 07:01	26° m 34'08	
evening max el	13238 Oct 13 17:01	25°ML07'35	20°34'32		13239 Sep 05 00:21	0∘ <b>ত</b>	
desc. node	13238 Oct 19 09:01	29°M20'41		evening rise	13239 Sep 09 08:00	8° <b>≏</b> 40'32	
	13238 Oct 20 22:30	0° <b>∡</b> ¹			13239 Sep 21 02:02	0° <b>M</b> .	
retrograde	13238 Oct 24 21:24	0° <b>∡</b> ¹40'57		evening max el	13239 Sep 26 04:53	6°M22'20	19°24'55
evening set	13238 Oct 27 03:05	0° <b>∡</b> ¹28'37		retrograde	13239 Oct 05 17:23	11° <b>M</b> 07'57	
C	13238 Oct 29 00:47	30°RM		desc. node	13239 Oct 06 06:29	11° <b>M</b> 07'04	
inferior conj	13238 Nov 05 02:50	26°M33'44	-4°47'07	evening set	13239 Oct 07 14:03	10°M57'49	
minimum elong	13238 Nov 04 16:50	26°M48'10		inferior conj	13239 Oct 16 05:54	6°M50′22	-3°06'07
min. Earth dist.	13238 Nov 06 07:38		0.54657 AU	minimum elong	13239 Oct 15 21:57	7°M03'16	
morning rise	13238 Nov 13 06:19	22°M35'25		min. Earth dist.	13239 Oct 18 17:33		0.55622 AU
direct	13238 Nov 17 16:03	21°M53'42		morning rise	13239 Oct 24 03:37	2°M22'15	
morning max el	13238 Nov 30 23:18	28°M22'07	23°30'41	direct	13239 Oct 24 09:37 13239 Oct 29 09:38	1°M20'08	
0	13238 Dec 02 14:39	0° <b>∡</b> 7		morning max el	13239 Nov 12 09:19	8°M22'01	25°17'25
asc. node	13238 Dec 13 11:35	14° <b>×7</b> 49'14			13239 Nov 28 08:44	0° <b>⊼</b>	<del>-</del>

asc. node	13239 Nov 30 08:32	3° <b>∡</b> ³32'17			13240 Nov 19 20:36	0° <b>∡</b> 7	
morning set	13239 Nov 30 08:32 13239 Dec 09 02:58	21°×703'41		morning set	13240 Nov 22 12:58	5° <b>∡</b> 137'48	
morning set	13239 Dec 09 02:38 13239 Dec 13 05:08	0°る		morning set	13240 1101 22 12.36	3 7 37 40	
	13237 Dec 13 03.00	υ <b>Ο</b>		superior conj	13240 Nov 29 08:54	20° <b>х</b> 40′18	1°35'24
superior conj	13239 Dec 15 21:34	5° <b>る</b> 56'29	1°38'17	minimum elong	13240 Nov 29 07:52	20° <b>х</b> 34'35	1°36'20
minimum elong	13239 Dec 15 21:34	5° <b>る</b> 56'28	1°39'19	max. Earth dist.	13240 Nov 29 19:12	21° <b>×</b> 737'46	1.31350 AU
max. Earth dist.	13239 Dec 17 11:48	9° <b>පි</b> 26'48	1.31979 AU		13240 Dec 03 14:00	0°ਰ	
evening rise	13239 Dec 23 02:15	21° <b>る</b> 24'39		evening rise	13240 Dec 06 05:35	5° <b>る</b> 42'17	
8	13239 Dec 27 09:16	0° <b>≈</b>		<i>8</i>	13240 Dec 18 23:41	0° <b>≈</b>	
desc. node	13240 Jan 02 04:26	10° <b>≈</b> 40'14		desc. node	13240 Dec 19 01:21	0°≈06'59	
	13240 Jan 14 15:51	0° <b>)</b> €		evening max el	13241 Jan 06 03:55	24° <b>≈</b> 10'41	27°08'34
evening max el	13240 Jan 24 22:11	11° <b>)</b> 55'51	27°32'44	C	13241 Jan 14 05:47	0° <b>∀</b>	
retrograde	13240 Feb 07 18:48	19° <b>)</b> 18′06		retrograde	13241 Jan 20 02:52	1° <b>¥</b> 25′04	
evening set	13240 Feb 14 17:00	16° <b>)</b> 58′13		•	13241 Jan 25 19:07	30° <b>R</b> ≈	
min. Earth dist.	13240 Feb 18 11:00	13° <b>¥</b> 56'19	0.62488 AU	evening set	13241 Jan 26 22:20	29° <b>≈</b> 23'14	
inferior conj	13240 Feb 21 09:13	11° <b>)</b> €08'52	-1°35'38	min. Earth dist.	13241 Jan 30 18:19	26° <b>≈</b> 40'32	0.60337 AU
minimum elong	13240 Feb 21 12:28	11° <b>)</b> €01'06	1°33'53	inferior conj	13241 Feb 02 22:27	24° <b>≈</b> 01'13	-2°56'48
asc. node	13240 Feb 26 06:32	7° <b>)</b> €04'49		minimum elong	13241 Feb 03 04:47	23° <b>≈</b> 47'56	2°53'46
morning rise	13240 Feb 28 10:36	6° <b>)</b> €01'20		morning rise	13241 Feb 10 14:20	19° <b>≈</b> 13'24	
direct	13240 Mar 01 17:00	5° <b>)</b> € 37'45		asc. node	13241 Feb 12 03:57	18° <b>≈</b> 57'26	
morning max el	13240 Mar 08 09:03	9° <b>)</b> €01'06	17°46'52	direct	13241 Feb 12 16:08	18° <b>≈</b> 56′24	
	13240 Mar 22 07:22	$0^{\circ}$ Y		morning max el	13241 Feb 19 23:55	22° <b>≈</b> 35'56	18°00'30
morning set	13240 Mar 24 07:49	3° <b>Y</b> '32'46			13241 Feb 25 18:28	0° <b>)</b> €	
desc. node	13240 Mar 30 06:19	13° <b>Y</b> 55'06		morning set	13241 Mar 07 13:44	17° <b>)</b> €07'39	
					13241 Mar 14 14:26	$0^{\circ}$ $\Upsilon$	
superior conj	13240 Apr 05 01:19	23° <b>Y</b> 45'38	-0°44'04	desc. node	13241 Mar 17 02:49	4° <b>Y</b> ′29'29	
minimum elong	13240 Apr 04 20:59	23° <b>Y</b> 27'31	0°43'44				
	13240 Apr 08 19:56	$9^{\circ}$ 8		superior conj	13241 Mar 17 17:26	5° <b>Y</b> 33'57	-0°04'50
max. Earth dist.	13240 Apr 11 18:33	4° <b>8</b> 46'09	1.44073 AU	minimum elong	13241 Mar 17 17:01	5° <b>Y</b> 32'10	0°04'45
evening rise	13240 Apr 19 18:41	17° <b>8</b> 22'45		behind sun begin	13241 Mar 17 09:24	4° <b>Y</b> 58'33	
	13240 Apr 28 02:17	$\Pi$ °0		behind sun end	13241 Mar 18 00:39	6° <b>Ƴ</b> 05'43	
evening max el	13240 May 20 03:34	29° <b>Ⅱ</b> 35'46	21°09'49	max. Earth dist.	13241 Mar 25 07:16	18° <b>Ƴ</b> 31'15	1.42302 AU
	13240 May 20 13:21	0		evening rise	13241 Mar 30 20:51	27° <b>Ƴ</b> 34'14	
asc. node	13240 May 24 03:22	2° <b>©</b> 58'48			13241 Apr 01 09:37	$0^{\circ}S$	
retrograde	13240 May 28 18:53	4° <b>©</b> 37'57			13241 Apr 21 19:10	$\Pi$ °0	
evening set	13240 Jun 02 02:54	2° <b>©</b> 53'23		evening max el	13241 May 02 21:12	13° <b>Ⅱ</b> 24'24	22°27'01
	13240 Jun 04 21:25	30°ŖⅡ		asc. node	13241 May 11 00:38	18° <b>Ⅱ</b> 58'10	
inferior conj	13240 Jun 07 08:54	26° <b>Ⅱ</b> 41′00	3°09'13	retrograde	13241 May 12 16:17	19° <b>Ⅱ</b> 10'46	
minimum elong	13240 Jun 07 08:08	26° <b>∏</b> 43'41	3°08'09	evening set	13241 May 17 11:16	17° <b>Ⅱ</b> 10′50	
min. Earth dist.	13240 Jun 07 17:45		0.68642 AU	inferior conj	13241 May 22 18:25	10° <b>Ⅱ</b> 48'59	
morning rise	13240 Jun 12 13:09	20° <b>∏</b> 23'32		minimum elong	13241 May 22 16:51	10° <b>Ⅱ</b> 54'26	2°53'51
direct	13240 Jun 17 17:36	18° <b>Ⅲ</b> 07'46		min. Earth dist.	13241 May 22 14:19	11° <b>Ⅲ</b> 03'16	0.68899 AU
desc. node	13240 Jun 26 07:15	22° <b>∏</b> 33'33		morning rise	13241 May 27 22:18	4° <b>Ⅱ</b> 37'39	
morning max el	13240 Jun 28 03:18	24° <b>Ⅱ</b> 18'59	23°14'29	direct	13241 Jun 01 13:51	2° <b>Ⅱ</b> 40'53	21045100
	13240 Jul 03 05:10	0° <b>©</b>		morning max el	13241 Jun 10 16:48	8° <b>Ⅱ</b> 00'11	21°47'00
	13240 Jul 24 10:14	0°N		desc. node	13241 Jun 13 04:17	10° <b>Ⅱ</b> 39'09	
morning set	13240 Aug 01 18:36	13° <b>Ω</b> 28'02	1 20/20 ATT	. ,	13241 Jun 27 17:40	0°©	
max. Earth dist.	13240 Aug 05 23:05	20° <b>Ω</b> 34'40	1.39630 AU	morning set	13241 Jul 13 00:58	23°5518'43	
	13240 Aug 11 06:52	0° <b>m</b> )		may Forth Ji-t	13241 Jul 17 04:25 13241 Jul 19 00:41	0°Ω 3°Ω02'04	1.41884 AU
aumorior comi	12240 Aug 12 16:21	40 mm 22!40	0957100	max. Earth dist.	13241 Jul 19 00:41	3 8 602 04	1.41884 AU
superior conj minimum elong	13240 Aug 13 16:21	4° <b>ሙ</b> 22'49 4° <b>ሙ</b> 42'05		aumariar aani	12241 Iul 26 16:14	16° <b>Ω</b> 02'18	1920/50
C	13240 Aug 13 20:31		0°56'51	superior conj	13241 Jul 26 16:14 13241 Jul 26 22:51	16° <b>Ω</b> 31'13	
asc. node	13240 Aug 20 03:36	16° Mp 35'48		minimum elong		0°m)	1 304/
evening rise	13240 Aug 23 04:06 13240 Aug 27 03:43	22° <b>™</b> 24'47 0° <b>₽</b>		arranina rica	13241 Aug 03 11:24	-	
evening max el	13240 Aug 27 03:43 13240 Sep 08 05:19	0 <b>=</b> 18° <b>£</b> 24'43	18°37'11	evening rise asc. node	13241 Aug 06 12:48 13241 Aug 07 00:15	5° Mp 36'32 6° Mp 29'07	
retrograde	13240 Sep 16 07:19	22° <b>£</b> 29'05	10 3/11	asc. Houc	13241 Aug 07 00:13	0° <b>⊡</b>	
evening set	13240 Sep 18 06:04	22° <b>£</b> 29'03 22° <b>£</b> 15'41		evening max el	13241 Aug 21 13.19 13241 Aug 22 14:19	0 <u>≈</u> 1° <b>Ω</b> 05'51	18°10'21
desc. node	13240 Sep 18 00:04 13240 Sep 22 04:00	22 <b>⊆</b> 1341 20° <b>⊆</b> 37'09		retrograde	13241 Aug 22 14.19 13241 Aug 29 15:52	4° <b>£</b> 41'36	10 10 41
inferior conj	13240 Sep 26 05:09	20 <b>⊆</b> 37 09 17° <b>⊆</b> 48'57	-1°16'54	evening set	13241 Aug 29 13:32 13241 Aug 31 21:27	4° <b>£</b> 20'35	
minimum elong	13240 Sep 26 02:02	17° <b>⊆</b> 54'50		2.0	13241 Sep 07 13:51	4 <u>—</u> 20 33	
min. Earth dist.	13240 Sep 29 09:25	17 <b>=</b> 3430 15° <b>=</b> 25'26	0.57327 AU	inferior conj	13241 Sep 07 13:31 13241 Sep 08 02:01	29° m 33'16	0°18'06
morning rise	13240 Oct 03 18:34	13 <b>=</b> 23 20 12° <b>£</b> 42'54	3.57527 AU	minimum elong	13241 Sep 08 02:37	29° my 31'56	0°17'44
direct	13240 Oct 09 17:30	12 <b>—</b> 42 34 11° <b>Ω</b> 14'41		desc. node	13241 Sep 09 01:32	28° mp 41'01	V 1/ 11
morning max el	13240 Oct 24 00:28	18° <b>≏</b> 43'47	26°45'44	min. Earth dist.	13241 Sep 05 01:32 13241 Sep 11 09:04	26° m) 39'58	0.59484 AU
	13240 Nov 02 12:28	0° <b>™</b>		morning rise	13241 Sep 15 04:25	23° m 53'39	
asc. node	13240 Nov 16 05:23	22°M45'27		direct	13241 Sep 21 15:15	21° m 57'31	
					r	4	

morning max el	13243 Aug 31 13:41	24° <b>Ω</b> 04'27	27020107	morning rise	13244 Jul 24 11:07	1° <b>Ω</b> 55'51	
morning max er	13243 Sep 05 21:39	0°m)	27 3807	morning rise	13244 Jul 27 10:16	30°RS	
	13243 Sep 03 21:39 13243 Sep 26 02:28	0∘ <del>ত</del> الأا		direct	13244 Jul 30 20:03	30 k≥ 29°©15'21	
morning set	13243 Sep 20 02.28 13243 Oct 05 13:28	0 <b>=</b> 17° <b>£</b> 37'04		desc. node	13244 Jul 30 17:55	29°5015'22	
asc. node	13243 Oct 03 13.28 13243 Oct 07 19:31			desc. node		29 <b>3</b> 13 22	
	13243 Oct 07 19:31 13243 Oct 10 08:38	22° <b>Ω</b> 09'32 27° <b>Ω</b> 26'40	1 2250C AII		13244 Aug 03 11:39	0°3ι 7°Ω04'18	26946127
max. Earth dist.			1.32596 AU	morning max el	13244 Aug 13 00:51		26°46'37
	13243 Oct 11 13:38	0° <b>M</b>			13244 Aug 30 18:43	0° <b>m</b> )	
	10010 0 . 10 10 10	40 <b>2</b> 1011 5	00.5010.4		13244 Sep 17 10:47	0∘ <b>ত</b>	
superior conj	13243 Oct 13 12:42	4°M12'17	0°52'24	morning set	13244 Sep 17 19:37	0° <b>≏</b> 41'56	
minimum elong	13243 Oct 13 10:33	4° <b>ጤ</b> 00'41	0°52'30	max. Earth dist.	13244 Sep 21 22:34	8° <b>≏</b> 44'54	1.34068 AU
evening rise	13243 Oct 20 11:10	19°M14'53		asc. node	13244 Sep 23 16:05	12° <b>≏</b> 14'24	
	13243 Oct 25 15:54	0° <b>∡</b> ¹				_	
desc. node	13243 Nov 09 16:49	23° <b>∡</b> ′41′09		superior conj	13244 Sep 26 13:01	18° <b>≏</b> 10′08	0°27'03
evening max el	13243 Nov 12 02:35	26° <b>∡</b> 12'40	23°01'53	minimum elong	13244 Sep 26 11:39	18° <b>≏</b> 02'55	0°26'59
	13243 Nov 16 18:54	0°ಕ			13244 Oct 02 03:16	0°M₊	
retrograde	13243 Nov 25 07:23	2° <b>る</b> 46'10		evening rise	13244 Oct 03 21:08	3°M41'18	
evening set	13243 Nov 29 09:44	2° <b>る</b> 09'40			13244 Oct 18 09:10	0° <b>∡</b> ¹	
	13243 Dec 04 11:50	30°₽ <b>⋌</b> 7		evening max el	13244 Oct 23 17:23	6° <b>∡</b> ¹21'25	21°23'57
min. Earth dist.	13243 Dec 06 11:46	28° <b>∡</b> 53'41	0.55007 AU	desc. node	13244 Oct 26 14:10	8° <b>∡</b> 751'44	
inferior conj	13243 Dec 07 19:13	28° <b>₺</b> 08'36	-5°55'58	retrograde	13244 Nov 04 19:20	12° <b>∡</b> ′21′36	
minimum elong	13243 Dec 07 19:38	28° <b>₮</b> 08'00	5°54'57	evening set	13244 Nov 07 13:35	12° <b>₮</b> 04'02	
morning rise	13243 Dec 16 07:03	24° <b>∡</b> 19'11		inferior conj	13244 Nov 16 11:18	8° <b>∡</b> 10'12	-5°28'52
direct	13243 Dec 19 06:56	23° <b>∡</b> 58′08		minimum elong	13244 Nov 16 03:23	8° <b>∡</b> ′21′18	5°26'38
morning max el	13243 Dec 30 13:27	29° <b>∡</b> ¹20'47	20°49'13	min. Earth dist.	13244 Nov 16 17:48	8° <b>∡</b> 01'04	0.54510 AU
	13243 Dec 31 05:28	0°ಕ		morning rise	13244 Nov 24 17:57	4° <b>∡</b> ¹21'04	
asc. node	13244 Jan 03 19:49	4° <b>る</b> 08'25		direct	13244 Nov 28 14:44	3° <b>∡</b> ¹48'50	
morning set	13244 Jan 18 18:46	0° <b>≈</b> 26'53		morning max el	13244 Dec 11 07:34	9° <b>∡</b> 54′27	22°28'22
C	13244 Jan 18 13:34	0° <b>≈</b> ≈		asc. node	13244 Dec 20 16:55	21° <b>∡</b> ′41′05	
					13244 Dec 25 14:37	0°₹	
superior conj	13244 Jan 26 04:40	15° <b>≈</b> 50'51	1°17'14	morning set	13245 Jan 02 05:38	15° <b>ට</b> 12'41	
minimum elong	13244 Jan 26 07:12	16° <b>≈</b> 03'49	1°17'42				
max. Earth dist.	13244 Jan 31 06:44	26° <b>≈</b> 01'02	1.35791 AU	superior conj	13245 Jan 09 06:05	0° <b>≈</b> 13'44	1°30'31
man. Darut dige.	13244 Feb 02 08:29	0° <b>₩</b>	1.50771110	minimum elong	13245 Jan 09 07:48	0°≈22'50	1°31'19
evening rise	13244 Feb 04 04:50	3° <b>¥</b> 27'59		mmmum viong	13245 Jan 09 03:30	0° <b>≈</b>	1 31 17
desc. node	13244 Feb 05 16:30	6° <b>¥</b> 11'41		max. Earth dist.	13245 Jan 12 21:39	7° <b>≈</b> 51'57	1.33963 AU
dese. Hode	13244 Feb 20 01:02	0° <b>Υ</b>		evening rise	13245 Jan 17 09:02	16° <b>≈</b> 49'31	1.55705710
evening max el	13244 Mar 10 15:07	24° <b>Υ</b> ′58'30	26°14'09	desc. node	13245 Jan 22 13:10	26°≈31'41	
evening max er	13244 Mar 16 18:55	0°8	20 140)	dese. Hode	13245 Jan 24 11:58	0° <b>∀</b>	
retrograde	13244 Mar 23 10:31	2° <b>8</b> 16'02			13245 Feb 13 10:53	0°Υ	
retrograde	13244 Mar 29 08:25	30°RΥ		evening max el	13245 Feb 21 04:37	8° <b>Υ</b> 36'39	27°04'57
evening set	13244 Mar 29 15:52	29° <b>Υ</b> 45'04		retrograde	13245 Mar 06 14:12	16° <b>Υ</b> 03'26	27 04 37
asc. node	13244 Mar 31 16:44	29 \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \		evening set	13245 Mar 13 04:47	13° <b>Y</b> 31'05	
min. Earth dist.		27 \ \ 4947 \ 25°\ \ 24'50	0.66963 AU	min. Earth dist.	13245 Mar 17 03:12	9° <b>Υ</b> 44'12	0.65475 AU
	13244 Apr 02 19:29	$23^{\circ}$ <b>Y</b> 17'18				9 1 44 12 8° <b>Υ</b> 05'40	0.03473 AU
inferior conj	13244 Apr 04 12:58	$23^{\circ}$ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	1°11'03	asc. node	13245 Mar 18 14:10	8° γ 05 40 7° <b>Υ</b> 12'17	0014150
minimum elong	13244 Apr 04 11:20		1°10'10	inferior conj	13245 Mar 19 08:54		0°14'59
morning rise	13244 Apr 10 07:38	17° <b>Y</b> 32'43		minimum elong	13245 Mar 19 08:29	7° <b>Υ</b> 13'29 7° <b>Υ</b> 13'29	0°14'47
direct	13244 Apr 13 11:43	16° <b>℃</b> 35'51	10024120	transit middle	13245 Mar 19 08:29		0°14'47
morning max el	13244 Apr 20 01:10	20° <b>Y</b> ′06'08	18°34'39	transit begin	13245 Mar 19 07:20	7°Υ16'45	
	13244 Apr 27 21:34	0° <b>8</b>		transit end	13245 Mar 19 09:38	7°Υ10'13	
desc. node	13244 May 03 18:45	8° <b>8</b> 52'49		morning rise	13245 Mar 25 13:43	1° <b>Υ</b> '40'07	
morning set	13244 May 11 03:29	20° <b>8</b> 24'03		direct	13245 Mar 28 08:02	0° <b>Y</b> ′59′04	
	13244 May 17 06:23	$\Pi$ $\circ$ 0		morning max el	13245 Apr 03 16:25	4° <b>Υ</b> 18'08	18°02'27
		—		desc. node	13245 Apr 20 15:23	29° <b>Y</b> 03'53	
superior conj	13244 May 27 04:42	15° <b>∐</b> 30'49			13245 Apr 21 05:08	0° <b>8</b>	
minimum elong	13244 May 26 23:07	15° <b>Ⅱ</b> 09'02		morning set	13245 Apr 21 23:40	1° <b>8</b> 15'35	
max. Earth dist.	13244 May 26 18:47	14° <b>∏</b> 52'06	1.45783 AU				
	13244 Jun 05 10:26	$0$ $\circ$		superior conj	13245 May 06 14:52	24° <b>8</b> 45'26	
evening rise	13244 Jun 11 19:56	10° <b>©</b> 07'06		minimum elong	13245 May 06 05:41	24° <b>8</b> 09'15	
greatest brilliancy	13244 Jun 19 21:12	22° <b>©</b> 52'33	-0.8m	max. Earth dist.	13245 May 09 14:49	29° <b>8</b> 27'54	1.45676 AU
	13244 Jun 24 12:13	$0$ $\circ$ $\Omega$			13245 May 09 23:01	$\Pi$ °0	
asc. node	13244 Jun 27 14:38	4° <b>Ω</b> 30′15		evening rise	13245 May 22 17:18	19° <b>Ⅱ</b> 47'56	
evening max el	13244 Jul 03 06:08	11° <b>Ω</b> 24'54	18°43'10		13245 May 29 08:39	$0$ $\circ$	
retrograde					13245 Jun 04 19:42	9° <b>©</b> 45'06	-0.7m
	13244 Jul 09 20:24	15° <b>Ω</b> 00'35		greatest brilliancy	13243 Juli 04 19.42	9 343 00	-0.7111
evening set	13244 Jul 09 20:24 13244 Jul 13 03:13	13° <b>Ω</b> 58'49		asc. node	13245 Jun 14 11:35	22° <b>©</b> 54'58	-0.7III
evening set inferior conj			2°53'13	-			19°28'48
-	13244 Jul 13 03:13	13° <b>Ω</b> 58'49		asc. node	13245 Jun 14 11:35	22° <b>©</b> 54'58	
inferior conj	13244 Jul 13 03:13 13244 Jul 18 17:48	13° <b>Ω</b> 58'49 8° <b>Ω</b> 19'13		asc. node evening max el	13245 Jun 14 11:35 13245 Jun 16 13:49	22°\$54'58 25°\$11'10	

evening max el	13249 Apr 07 18:22	20° <b>8</b> 30'19	24°21'54	evening max el	13250 Mar 21 07:48	4° <b>8</b> 22'33	25°36'47
retrograde	13249 Apr 19 04:18	27° <b>8</b> 11'43	2. 2	retrograde	13250 Apr 02 16:53	11° <b>8</b> 30'55	20 30 17
asc. node	13249 Apr 22 00:29	26° <b>8</b> 35'45		evening set	13250 Apr 08 15:52	9° <b>8</b> 03'19	
evening set	13249 Apr 24 15:56	24° <b>8</b> 53'04		asc. node	13250 Apr 08 21:51	8° <b>8</b> 50'30	
min. Earth dist.	13249 Apr 29 06:01	19° <b>8</b> 37'14	0.68474 AU	min. Earth dist.	13250 Apr 12 22:56		0.67625 AU
inferior conj	13249 Apr 30 04:02	18° <b>8</b> 23'11	2°17'16	inferior conj	13250 Apr 14 09:19	2° <b>8</b> 32'58	1°38'21
minimum elong	13249 Apr 30 01:53	18° <b>8</b> 30'24	2°16'00	minimum elong	13250 Apr 14 07:19	2° <b>8</b> 39'22	1°37'15
morning rise	13249 May 05 11:58	12° <b>8</b> 23'04		Č	13250 Apr 16 10:43	30° <b>₹</b> Υ	
direct	13249 May 09 09:40	10° <b>8</b> 56'04		morning rise	13250 Apr 19 23:16	26° <b>Y</b> ′42'06	
morning max el	13249 May 16 23:27	15° <b>8</b> 10'14	19°59'05	direct	13250 Apr 23 09:26	25° <b>Y</b> '34'54	
desc. node	13249 May 25 03:30	25° <b>8</b> 05'14		morning max el	13250 Apr 30 05:36	29° <b>Y</b> 17'49	19°00'49
	13249 May 28 15:30	$\Pi^{\circ}0$			13250 Apr 30 22:19	$9^{\circ}$ 8	
morning set	13249 Jun 13 03:31	23° <b>Ⅱ</b> 12'43		desc. node	13250 May 12 00:17	14° <b>8</b> 45'05	
	13249 Jun 17 12:48	$0$ $\circ$ $\odot$		greatest brilliancy	13250 May 13 11:17	16° <b>8</b> 56'15	-0.7m
max. Earth dist.	13249 Jun 23 15:36	9° <b>5</b> 37'18	1.44441 AU		13250 May 21 23:52	$\Pi$ $^{\circ}0$	
				morning set	13250 May 23 09:08	2° <b>∏</b> 08′38	
superior conj	13249 Jun 29 00:54	18° <b>5</b> 016'46	-2°06'34	max. Earth dist.	13250 Jun 06 08:04	23° <b>∏</b> 51′25	1.45498 AU
minimum elong	13249 Jun 29 06:19	18° <b>5</b> 38'46	2°07'18				
	13249 Jul 06 03:15	$0$ $^{\circ}\Omega$		superior conj	13250 Jun 08 18:25	27° <b>Ⅱ</b> 40′30	-2°13'20
evening rise	13249 Jul 12 07:05	10° <b>Ω</b> 26'34		minimum elong	13250 Jun 08 17:14	27° <b>Ⅱ</b> 35'52	2°14'19
asc. node	13249 Jul 18 23:16	21° <b>Ω</b> 46′59			13250 Jun 10 05:49	0	
	13249 Jul 24 02:58	0° <b>™</b>		evening rise	13250 Jun 23 16:23	21° <b>©</b> 33'05	
evening max el	13249 Jul 29 20:48		18°05'33		13250 Jun 28 20:59	$0$ ° $\Omega$	
retrograde	13249 Aug 05 06:19	10°m <b>)</b> 38'19		asc. node	13250 Jul 05 20:05	11° <b>Ω</b> 00′30	
evening set	13249 Aug 07 23:30	10° Mp 00'33		evening max el	13250 Jul 13 10:30	20° <b>Ω</b> 53′10	18°24'25
inferior conj	13249 Aug 14 05:53	4° <b>M</b> )46'11	1°54'45	retrograde	13250 Jul 19 20:28	24° <b>Ω</b> 19'15	
minimum elong	13249 Aug 14 08:24	4° <b>m</b> 39'30	1°53'29	evening set	13250 Jul 22 22:14	23° <b>Ω</b> 26'45	
min. Earth dist.	13249 Aug 17 00:59	1° m/48'13	0.62722 AU	inferior conj	13250 Jul 28 17:34	17° <b>Ω</b> 56′07	2°36'59
	13249 Aug 18 21:51	30°R€		minimum elong	13250 Jul 28 19:49	17° <b>Ω</b> 49'27	2°35'44
morning rise	13249 Aug 20 15:09	28° <b>Ω</b> 35'26		min. Earth dist.	13250 Jul 30 23:13	15° <b>Ω</b> 18'09	0.64784 AU
desc. node	13249 Aug 21 01:35	28° <b>Ω</b> 16'50		morning rise	13250 Aug 03 16:07	11° <b>Ω</b> 35'21	
direct	13249 Aug 27 07:23	26° <b>Ω</b> 08'04		desc. node	13250 Aug 07 23:01	9° <b>Ω</b> 14'40	
	13249 Sep 05 15:34	0° Mp	2705 4100	direct	13250 Aug 10 05:12	8° <b>Ω</b> 56'30	27010121
morning max el	13249 Sep 10 08:45	4° TD 10'03	27°54'00	morning max el	13250 Aug 23 19:09	16° <b>Ω</b> 54'09	2/°19'21
. ,	13249 Sep 29 17:15	0∘ <b>⊽</b>			13250 Sep 03 16:28	0° <b>m</b>	
morning set	13249 Oct 14 15:41	27° <b>£</b> 11'02 27° <b>£</b> 59'02		mamina sat	13250 Sep 22 13:26 13250 Sep 28 04:29	0° <b>ჲ</b> 10° <b>ჲ</b> 35'39	
asc. node	13249 Oct 15 01:07	27 <b>==</b> 3902 0° <b>™</b>		morning set	13250 Sep 28 04.29 13250 Oct 01 21:43	10 <b>≥</b> 33 39 18° <b>₽</b> 01'40	
max. Earth dist.	13249 Oct 16 00:41 13249 Oct 19 20:59		1.31985 AU	asc. node max. Earth dist.	13250 Oct 01 21.43	18 <b>≥</b> 01 40 19° <b>⊆</b> 37'00	1.33160 AU
max. Earth dist.	13249 Oct 19 20.39	8 11607 10	1.31963 AU	max. Earm dist.	13230 Oct 02 10.18	19 = 37 00	1.33100 AU
superior conj	13249 Oct 22 06:43	13°M20'46	1°04'34	superior conj	13250 Oct 06 10:47	27° <b>≏</b> 31'36	0°42'16
minimum elong	13249 Oct 22 04:27	13°ML08'20	1°04'48	minimum elong	13250 Oct 06 08:52	27° <b>≏</b> 21'25	0°42'17
evening rise	13249 Oct 29 01:51	28°M13'50		Č	13250 Oct 07 14:33	$0^{\circ}$ M	
	13249 Oct 29 21:39	0° <b>∡</b> ¹		evening rise	13250 Oct 13 12:44	12°M44'16	
	13249 Nov 15 18:04	ರ°0			13250 Oct 22 05:07	0° <b>∡</b> ¹	
desc. node	13249 Nov 16 22:01	1° <b>る</b> 32'09		desc. node	13250 Nov 03 19:17	17° <b>∡</b> ¹41'37	
evening max el	13249 Nov 22 11:08	7° <b>る</b> 46'44	24°00'43	evening max el	13250 Nov 03 22:05	17° <b>∡</b> °48′28	22°18'50
retrograde	13249 Dec 06 01:25	14° <b>る</b> 33'15		retrograde	13250 Nov 16 17:28	24° <b>₹</b> 09'29	
evening set	13249 Dec 10 22:39	13° <b>る</b> 41'06		evening set	13250 Nov 20 05:01	23° <b>∡</b> ⁴42'49	
min. Earth dist.	13249 Dec 16 22:16		0.55669 AU	min. Earth dist.	13250 Nov 28 04:56	20° <b>∡</b> °08'43	0.54682 AU
inferior conj	13249 Dec 18 23:35	9° <b>る</b> 29'29		inferior conj	13250 Nov 28 20:37	19° <b>х</b> 46′39	-5°52'00
minimum elong	13249 Dec 19 04:39	9° <b>る</b> 21'49	5°43'11	minimum elong	13250 Nov 28 17:07	19° <b>∡</b> ′51'35	5°50'47
morning rise	13249 Dec 27 12:33	5° <b>る</b> 32'27		morning rise	13250 Dec 07 06:25	15° <b>₹</b> 59'20	
direct	13249 Dec 30 02:15	5° <b>る</b> 15'35		direct	13250 Dec 10 14:52	15° <b>∡</b> ³34′06	
morning max el	13250 Jan 09 11:35	10° <b>පි</b> 14'15	20°01'09	morning max el	13250 Dec 22 13:04	21° <b>∡</b> 16′00	21°29'23
asc. node	13250 Jan 11 01:04	11° <b>る</b> 50'47		asc. node	13250 Dec 28 22:15	28° <b>∡</b> ′49′19	
	13250 Jan 22 18:01	0° <b>≈</b>			13250 Dec 29 17:53	0° <b>ろ</b>	
morning set	13250 Jan 27 10:47	9° <b>≈</b> 19'34		morning set	13251 Jan 11 20:13	24°る03'21	
	12250 E. L. O. C. C.	2500425	1006126		13251 Jan 14 15:54	0° <b>≈</b>	
superior conj	13250 Feb 04 04:33	25°≈04'31	1°06'26		12251 7 12 21 22	00: 15:01	1000141
minimum elong	13250 Feb 04 07:19	25°≈18'20	1°06'42	superior conj	13251 Jan 19 01:30	9°≈16'01	1°23'41
an at the	13250 Feb 06 16:23	0° <b>)</b> {	1.26000 433	minimum elong	13251 Jan 19 03:44	9°≈27'39	1°24'19
max. Earth dist.	13250 Feb 10 01:37	6° <b>∺</b> 29'08	1.36980 AU	max. Earth dist.	13251 Jan 23 12:31	18°≈22'14	1.34963 AU
desc. node	13250 Feb 12 22:06	11° <b>)</b> (45'44		evening rise	13251 Jan 27 15:54	26° <b>≈</b> 25'22	
evening rise	13250 Feb 13 19:37	13° <b>¥</b> 22'59 0° <b>Ƴ</b>		dogo == -1-	13251 Jan 29 13:50	0° <b> </b>	
	13250 Feb 23 14:36 13250 Mar 17 04:56	0°Y		desc. node	13251 Jan 30 18:42 13251 Feb 17 00:12	2° <del>Υ</del> 12'07 0° <b>Υ</b>	
	13230 IVIAI 1/ U4.30	υ <b>Ο</b>			13431 FCU 1/ UU.12	v i	

evening max el retrograde	13251 Mar 03 21:35 13251 Mar 16 23:57	18° <b>Y</b> ′09'08 25° <b>Y</b> 31'56	26°38'31	max. Earth dist.	13252 Jan 06 07:05 13252 Jan 11 01:19	0°≈16'48 10°≈00'22	1.33315 AU
evening set	13251 Mar 23 09:21	22°Υ59'56		desc. node	13252 Jan 17 15:25	22° <b>≈</b> 26'53	
asc. node	13251 Mar 26 19:17	19° <b>Ƴ</b> 38'15			13252 Jan 21 23:50	0° <b>)</b> €	
min. Earth dist.	13251 Mar 27 10:42	18° <b>Ƴ</b> 53'53	0.66367 AU		13252 Feb 12 18:47	$0^{\circ}\Upsilon$	
inferior conj	13251 Mar 29 09:20	16° <b>Ƴ</b> 35′05	0°48'40	evening max el	13252 Feb 14 11:01	1° <b>Y</b> 40'15	27°19'35
minimum elong	13251 Mar 29 08:07	16° <b>Ƴ</b> 38'44	0°48'01	retrograde	13252 Feb 28 00:41	9° <b>Y</b> 06'56	
morning rise	13251 Apr 04 07:58	10° <b>Ƴ</b> 55'12		evening set	13252 Mar 05 18:20	6° <b>Ƴ</b> 36'21	
direct	13251 Apr 07 07:44	10° <b>Y</b> 05′25		min. Earth dist.	13252 Mar 09 15:08	3° <b>Y</b> 02'38	0.64739 AU
morning max el	13251 Apr 13 18:05	13° <b>Ƴ</b> 29'41	18°18'53	inferior conj	13252 Mar 12 01:40	0° <b>Υ</b> 23'47	-0°12'11
	13251 Apr 25 20:14	$9^{\circ}$ 8		minimum elong	13252 Mar 12 02:01	0° <b>Υ</b> 22'48	0°11'56
desc. node	13251 Apr 28 20:57	4° <b>8</b> 46'32		transit middle	13252 Mar 12 02:01	0° <b>Υ</b> 22'48	0°11'56
morning set	13251 May 03 12:52	12° <b>8</b> 11'54		transit begin	13252 Mar 11 23:59	0° <b>Υ</b> 28'21	
	13251 May 14 18:48	$\Pi^{\circ}0$		transit end	13252 Mar 12 04:03	0° <b>Y</b> 17'15	
					13252 Mar 12 10:25	30° <b>₹</b>	
superior conj	13251 May 19 02:05	6° <b>Ⅱ</b> 44'23		asc. node	13252 Mar 12 16:44	29° <b>)</b> 42'59	
minimum elong	13251 May 18 18:09	6° <b>Ⅱ</b> 13'22		morning rise	13252 Mar 18 11:32	24° <b>)</b> 57'22	
max. Earth dist.	13251 May 20 03:44	8° <b>Ⅱ</b> 24'33	1.45831 AU	direct	13252 Mar 21 02:16	24° <b>)</b> 21'49	1.50.5015.5
	13251 Jun 02 23:46	0°©		morning max el	13252 Mar 27 10:39	27° <b>)</b> ₹39'19	17°53'55
evening rise	13251 Jun 04 01:18	1°939'51	-0.8m		13252 Mar 29 14:09	0°Υ 23°Υ38'22	
greatest brilliancy	13251 Jun 14 10:48	17°950'06	-0.8m	morning set	13252 Apr 13 21:04 13252 Apr 14 17:34	25°Υ03'33	
asc. node	13251 Jun 22 16:59 13251 Jun 22 21:23	29° <b>©</b> 45'43 0° <b>Ω</b>		desc. node	1	0° <b>8</b>	
evening max el	13251 Jun 26 21:02	0 <b>δι</b> 4° <b>Ω</b> 37'17	19°00'38		13252 Apr 17 17:09	0.0	
retrograde	13251 Jul 20 21:02 13251 Jul 03 16:07	8° <b>Ω</b> 22'13	19 00 38	superior conj	13252 Apr 27 17:32	16° <b>8</b> 15'03	_1°20'23
evening set	13251 Jul 07 02:51	7°Ω13'27		minimum elong	13252 Apr 27 17:32 13252 Apr 27 08:49	15° <b>8</b> 40'17	
inferior conj	13251 Jul 12 14:41	1° <b>Ω</b> 27'59	3°01'48	max. Earth dist.	13252 Apr 27 08.49 13252 May 01 23:53	23°800'05	1.45412 AU
minimum elong	13251 Jul 12 16:06	1° <b>Ω</b> 23'29	3°00'42	max. Dartii dist.	13252 May 06 11:19	0°II	1.13112110
g	13251 Jul 13 18:12	30°Rூ	3 00 .2	evening rise	13252 May 13 16:28	11° <b>I</b> 08'05	
min. Earth dist.	13251 Jul 14 05:42	29° <b>5</b> 23'41	0.66490 AU		13252 May 26 03:57	0°ಅ	
morning rise	13251 Jul 18 04:41	25°504'09		greatest brilliancy	13252 May 28 07:55	3°510'34	-0.6m
direct	13251 Jul 24 10:03	22°524'00		asc. node	13252 Jun 08 14:00	17° <b>©</b> 52'56	
desc. node	13251 Jul 25 20:24	22°531'30		evening max el	13252 Jun 09 02:26	18°524'46	19°52'56
	13251 Aug 06 05:02	$0^{\circ}\Omega$		retrograde	13252 Jun 16 14:32	22°5940'37	
morning max el	13251 Aug 06 06:09	0° <b>Ω</b> 02'49	26°17'13	evening set	13252 Jun 20 10:44	21° <b>©</b> 15'03	
	13251 Aug 28 14:37	0° <b>m</b>		inferior conj	13252 Jun 25 18:17	15°516'06	3°12'14
morning set	13251 Sep 11 04:58	23° <b>m</b> 24'49		minimum elong	13252 Jun 25 18:40	15°514'52	3°11'12
	13251 Sep 14 15:58	0∘ <b>⊽</b>		min. Earth dist.	13252 Jun 26 18:51	13° <b>©</b> 53'25	0.67760 AU
max. Earth dist.	13251 Sep 15 01:44	0° <b>£</b> 47'32	1.34848 AU	morning rise	13252 Jul 01 02:14	8° <b>©</b> 53'37	
asc. node	13251 Sep 18 18:19	8° <b>ഫ</b> 08'13		direct	13252 Jul 06 20:52	6° <b>5</b> 21'03	
				desc. node	13252 Jul 11 17:42	7° <b>©</b> 48'00	
superior conj	13251 Sep 20 07:52	11° <b>≙</b> 19'47		morning max el	13252 Jul 18 16:38	13° <b>©</b> 26'15	24°56'47
minimum elong	13251 Sep 20 07:03	11° <b>≏</b> 15'35	0°14'44		13252 Aug 01 02:49	$0$ $^{\circ}\Omega$	
behind sun begin	13251 Sep 20 04:38	11° <b>Ω</b> 03'09			13252 Aug 20 09:43	0° <b>m</b> )	
behind sun end	13251 Sep 20 09:29	11° <b>£</b> 28'02		morning set	13252 Aug 23 13:01	5° Mp 28'15	1 26054 ATT
evening rise	13251 Sep 27 21:37	27° <b>Ω</b> 07'25		max. Earth dist.	13252 Aug 27 02:52	11° <b>m</b> 55'49	1.36954 AU
evening max el	13251 Sep 29 06:58 13251 Oct 16 17:56	0°ጤ 28°ጤ11'56	20046145	superior conj	13252 Sep 02 18:53	24° mp 36'58	0°17'06
evening max er	13251 Oct 10 17:30 13251 Oct 18 17:30	28 IIG11 30 0° <b>∡</b> 7	20 40 43	minimum elong	13252 Sep 02 18:33 13252 Sep 02 20:00	24° m) 42'26	0°17'05
desc. node	13251 Oct 18 17:30 13251 Oct 21 16:39	0 × 2° × 103'41		asc. node	13252 Sep 02 20:00 13252 Sep 04 14:54	28° M) 14'26	0 17 03
retrograde	13251 Oct 28 04:03	3°×752'28		asc. node	13252 Sep 04 14:54 13252 Sep 05 12:04	ე° <u>ი</u>	
evening set	13251 Oct 30 12:33	3° <b>₹</b> 32'20		evening rise	13252 Sep 03 12:04 13252 Sep 11 02:11	0 <b>—</b> 11° <b>≏</b> 16'35	
evening sec	13251 Nov 08 01:38	30°RML		e vennig 1150	13252 Sep 21 02:32	0°M	
inferior conj	13251 Nov 08 12:14	29°M44'52	-4°59'39	evening max el	13252 Sep 28 03:40	9° <b>M</b> .19'19	19°33'53
minimum elong	13251 Nov 08 02:31	29°M58'45		retrograde	13252 Oct 07 22:06	14°ML12'10	
min. Earth dist.	13251 Nov 09 11:24	29°M11'45	0.54589 AU	desc. node	13252 Oct 07 14:07	14°ML11'50	
morning rise	13251 Nov 16 16:32	25°M49'44		evening set	13252 Oct 09 19:09	14°ML02'09	
direct	13251 Nov 20 23:01	25°M10'40		inferior conj	13252 Oct 18 12:55	9° <b>M</b> 57'05	-3°22'39
	13251 Dec 02 08:45	0° <b>∡</b> ¹		minimum elong	13252 Oct 18 04:20	10°ML10'43	3°19'04
morning max el	13251 Dec 04 02:47	1° <b>∡</b> ³33′06	23°14'22	min. Earth dist.	13252 Oct 20 20:45	8°M28'31	0.55423 AU
asc. node	13251 Dec 15 19:20	16° <b>⊀</b> 44'51		morning rise	13252 Oct 26 11:34	5°M34'06	
	13251 Dec 23 01:22	8°0		direct	13252 Oct 31 14:35	4°ML35'31	
morning set	13251 Dec 27 07:48	8° <b>ප</b> 50'08		morning max el	13252 Nov 14 12:45	11°ML33'03	25°02'17
					13252 Nov 28 13:44	0° <b>∡</b> 7	
superior conj	13252 Jan 03 05:38	23° <b>ප්</b> 45'54		asc. node	13252 Dec 01 16:19	5° <b>∡</b> ¹22'35	
minimum elong	13252 Jan 03 06:55	23° <b>る</b> 52'44	1°35'02	morning set	13252 Dec 10 19:37	23° <b>∡</b> ³33'38	
	13252 Jan 06 03:53	0° <b>≈</b>			13252 Dec 13 18:39	0°ಕ	

13253 Dec 02 01:29

superior conj

23°**₹**¹09'32 1°36'13

13254 Oct 05 22:58

0∘**ত** 

morning max el	13254 Oct 09 00:11	2° <b>₽</b> 45'09	27°35'29		13255 Oct 03 18:24	0∘ <b>⊽</b>	
	13254 Oct 28 20:11	0°M₊			13255 Oct 21 08:21	0° <b>M</b>	
asc. node	13254 Nov 05 10:02	14° <b>M</b> ₊03'49		asc. node	13255 Oct 23 06:43	3° <b>M</b> ⋅51'43	
morning set	13254 Nov 09 13:05	22°M32'00		morning set	13255 Oct 24 14:58	6° <b>M</b> 36'44	
	13254 Nov 13 00:08	0° <b>∡</b> 7		max. Earth dist.	13255 Oct 30 06:37	18° <b>M</b> 40'57	1.31554 AU
max. Earth dist.	13254 Nov 16 00:11	6° <b>₹</b> 39'16	1.31217 AU		12255 0 . 21 22 22	220M 25125	101.415.4
				superior conj	13255 Oct 31 23:22		1°14'54
superior conj	13254 Nov 16 13:07	7° <b>₹</b> 51'24	1°28'25	minimum elong	13255 Oct 31 21:09	22°M13'13	1°15'20
minimum elong	13254 Nov 16 11:24	7° <b>х</b> 41'49	1°29'09		13255 Nov 04 09:24	0° द्र <sup>7</sup>	
evening rise	13254 Nov 23 06:24	22°⊀41'15 0°る		evening rise	13255 Nov 07 16:36 13255 Nov 19 09:05	7°渘13′26 0°舌	
desc. node	13254 Nov 26 18:11 13254 Dec 08 06:07	0°る 20°る50'46		desc. node	13255 Nov 19 09:05 13255 Nov 25 03:13	8° <b>ろ</b> 57'26	
desc. node	13254 Dec 08 06.07	20 <b>⊘</b> 30 40 0° <b>≈</b>		evening max el	13255 Dec 03 19:59	8 03726 19° <b>る</b> 18'25	24057122
arraning may al	13254 Dec 14 14.02 13254 Dec 22 04:35		26°21'01	•	13255 Dec 17 14:57	19 <b>3</b> 1823 26° <b>3</b> 12'32	24 37 32
evening max el retrograde	13255 Jan 05 03:33	8 ≈3730 15°≈43'17	20 21 01	retrograde evening set	13255 Dec 17 14.57 13255 Dec 23 05:05	26 <b>3</b> 12 32 25° <b>る</b> 02'48	
evening set	13255 Jan 11 13:48	13 <b>≈</b> 43 17 14° <b>≈</b> 03'30		min. Earth dist.	13255 Dec 28 07:53	23° <b>ろ</b> 0246 22° <b>ろ</b> 18'56	0.56570 AU
min. Earth dist.	13255 Jan 15 18:10	11°≈27'06	0.58498 AU	inferior conj	13255 Dec 30 22:36	22° <b>ろ</b> 37'43	
inferior conj	13255 Jan 18 21:03	9°≈08'02		minimum elong	13255 Dec 30 22:30 13255 Dec 31 06:29	20°る24'56	
minimum elong	13255 Jan 19 05:27	8°≈52'22	4°03'15	morning rise	13256 Jan 08 10:06	16°る29'46	5 15 05
morning rise	13255 Jan 27 00:03	4°≈38'22	4 03 13	direct	13256 Jan 10 16:59	16° <b>ප</b> 15'01	
direct	13255 Jan 29 01:13	4°≈24'05		asc. node	13256 Jan 19 06:21	19° <b>る</b> 58'34	
asc. node	13255 Feb 01 09:02	5°≈03'45		morning max el	13256 Jan 20 04:49		19°20'24
morning max el	13255 Feb 06 05:28		18°27'53	morning man er	13256 Jan 27 06:43	0°≈	19 202.
	13255 Feb 20 02:34	0° <b>)</b> €		morning set	13256 Feb 06 04:17	18° <b>≈</b> 16'18	
morning set	13255 Feb 22 02:40	3° <b>)</b> 49'30		. 8	13256 Feb 12 01:16	0° <b>\</b>	
S							
superior conj	13255 Mar 03 04:49	21° <b>)</b> €03'48	0°24'41	superior conj	13256 Feb 14 07:51	4° <b>)</b> 27′32	0°53'14
minimum elong	13255 Mar 03 06:31	21° <b>)</b> 11'38	0°24'39	minimum elong	13256 Feb 14 10:34	4° <b>)</b> 40'46	0°53'21
desc. node	13255 Mar 06 07:10	26° <b>)</b> 42′06		max. Earth dist.	13256 Feb 20 22:32	16° <b>)</b> 54′18	1.38261 AU
	13255 Mar 08 03:39	$0^{\circ}\Upsilon$		desc. node	13256 Feb 21 03:42	17° <b>) (</b> 17'44	
max. Earth dist.	13255 Mar 10 15:55	4° <b>Y</b> 22'43	1.40509 AU	evening rise	13256 Feb 24 16:02	23° <b>)</b> € 32'45	
evening rise	13255 Mar 14 23:28	11° <b>Y</b> ′39'57			13256 Feb 28 10:41	$0^{\circ}$ Y	
	13255 Mar 26 14:54	$0^{\circ}$ 8			13256 Mar 19 09:33	$0^{\circ}$ 8	
evening max el	13255 Apr 18 11:17	29° <b>8</b> 53'02	23°35'54	evening max el	13256 Mar 31 00:56	13° <b>8</b> 45'47	24°54'51
	13255 Apr 18 14:05	$\Pi$ °0		retrograde	13256 Apr 11 21:03	20° <b>8</b> 39'13	
retrograde	13255 Apr 29 06:03	6° <b>Ⅱ</b> 13'37		asc. node	13256 Apr 16 02:59	19° <b>8</b> 20'49	
asc. node	13255 Apr 30 05:37	6° <b>Ⅱ</b> 09'14		evening set	13256 Apr 17 13:40	18° <b>8</b> 16'21	
evening set	13255 May 04 10:53	4° <b>Ⅲ</b> 02'07		min. Earth dist.	13256 Apr 22 00:40	13° <b>8</b> 15'45	
	13255 May 08 01:44	30°R <b>8</b>		inferior conj	13256 Apr 23 03:54	11° <b>8</b> 45'55	
min. Earth dist.	13255 May 09 05:50		0.68763 AU	minimum elong	13256 Apr 23 01:45	11° <b>8</b> 53'01	2°00'49
inferior conj	13255 May 09 20:36		2°35'00	morning rise	13256 Apr 28 14:05	5° <b>8</b> 49'36	
minimum elong	13255 May 09 18:36		2°33'45	direct	13256 May 02 06:51	4° <b>8</b> 31'04	
morning rise	13255 May 15 02:15	21° <b>8</b> 29'43		morning max el	13256 May 09 11:59	8° <b>8</b> 29'54	19°32'19
direct	13255 May 19 07:06	19° <b>8</b> 50'28	20020121	desc. node	13256 May 19 05:47	20° <b>8</b> 44'10	0.7
morning max el	13255 May 27 10:11	24° <b>8</b> 28'08	20°39'21	greatest brilliancy	13256 May 22 03:44	24° <b>8</b> 57'25	-0./m
desc. node	13255 Jun 01 07:19	0°П 1°П 20/50			13256 May 25 13:14	0° <b>Ц</b> 14° <b>Ц</b> 15'27	
desc. node	13255 Jun 02 08:56 13255 Jun 22 05:48	1° <b>Ⅱ</b> 20'59 0° <b>©</b>		morning set	13256 Jun 03 22:14 13256 Jun 14 01:36	14°Щ15′27 0°©	
morning set	13255 Jun 25 21:00	5°935'40		max. Earth dist.	13256 Jun 15 22:52		1.44980 AU
max. Earth dist.	13255 Jul 04 08:39		1.43545 AU	max. Lartii dist.	13230 Juli 13 22.32	2 30 10	1.44700 AC
man. Barui Uist.	15255 Jul 04 00.39	17 - 000 12	1.73343 AU	superior conj	13256 Jun 20 04:32	9° <b>5</b> 641'54	-2°11'46
superior conj	13255 Jul 10 23:37	29° <b>©</b> 51'51	-1°54'56	minimum elong	13256 Jun 20 07:38	9° <b>9</b> 54'21	
minimum elong	13255 Jul 10 25:37	0° <b>Ω</b> 21'01		minimum clong	13256 Jul 02 14:38	0°Ω	2 12 72
minimum ciong	13255 Jul 11 00:37	0° <b>Ω</b>	1 33 17	evening rise	13256 Jul 04 04:28	2° <b>Ω</b> 37'55	
evening rise	13255 Jul 23 05:32	20° <b>Ω</b> 56'37		asc. node	13256 Jul 13 01:31	17° <b>Ω</b> 20'27	
asc. node	13255 Jul 27 04:47	27° <b>Ω</b> 54'40		use. Houe	13256 Jul 22 04:19	0° m)	
	13255 Jul 28 09:40	0° mp		evening max el	13256 Jul 22 13:49	0° m <sub>2</sub> 23'59	18°11'25
evening max el	13255 Aug 08 23:30	16° Mp 57'24	18°02'57	retrograde	13256 Jul 28 22:19	3° m/ 45'09	
retrograde	13255 Aug 15 12:45	20° m/20'14	<del></del> ,	evening set	13256 Jul 31 19:11	3° my 01'12	
evening set	13255 Aug 18 01:19	19° <b>m</b> ) 49'46		<i>5</i>	13256 Aug 04 16:00	30°R <b>Ω</b>	
inferior conj	13255 Aug 24 15:46	14° <b>m</b> ) 45'40	1°21'11	inferior conj	13256 Aug 06 20:22	27° <b>Ω</b> 39'25	2°15'02
minimum elong	13255 Aug 24 17:54	14° Mp 40'20	1°20'06	minimum elong	13256 Aug 06 22:52	27° <b>Ω</b> 32'24	
min. Earth dist.	13255 Aug 27 17:08	11° <b>m</b> ) 44'37	0.61438 AU	min. Earth dist.	13256 Aug 09 09:53	24° <b>Ω</b> 48'17	
desc. node	13255 Aug 29 06:37	10° <b>m</b> 20'04		morning rise	13256 Aug 13 00:51	21° <b>Ω</b> 23'32	
morning rise	13255 Aug 31 07:53	8° Mp 45'16		desc. node	13256 Aug 15 04:06	20° <b>Ω</b> 00′13	
direct	13255 Sep 06 23:37	6° Mp 28′50		direct	13256 Aug 19 16:19	18° <b>Ω</b> 50'24	
morning max el	13255 Sep 21 04:26	14° <b>m</b> 26'49	27°58'22	morning max el	13256 Sep 02 13:31	26° <b>Ω</b> 51'27	27°43'21

	13256 Sep 05 12:19	0° m/y		desc. node	13257 Aug 02 01:32	1° <b>Ω</b> 57'18	
	13256 Sep 26 10:15	0∘ <b>⊽</b>		direct	13257 Aug 02 01:32 13257 Aug 02 17:07	1° <b>Ω</b> 55'46	
morning set	13256 Oct 07 09:21	0 <b>=</b> 20° <b>₽</b> 18'00		morning max el	13257 Aug 02 17.07 13257 Aug 16 00:38	9° <b>Ω</b> 47'44	26°55'53
asc. node	13256 Oct 07 03:20	20 <b>⊆</b> 18 00 23° <b>⊆</b> 50'15		morning max er	13257 Aug 10 00:38 13257 Aug 31 22:23	0°M)	20 33 33
asc. Houe		23 <b>=</b> 30 13 0° <b>™</b>			•	0∘ <b>⊽</b>	
Fault die	13256 Oct 12 02:27		1 22421 ATT		13257 Sep 18 21:25 13257 Sep 20 17:20	ე° <u>₽</u> 28'02	
max. Earth dist.	13256 Oct 12 07:11	0° <b>™</b> 25'04	1.32421 AU	morning set	1		1 22015 ATT
	12257 0 1 15 07 10	60 <b>m</b> 4611 <b>a</b>	0055147	max. Earth dist.	13257 Sep 24 22:32	11° <b>Ω</b> 45'41	1.33815 AU
superior conj	13256 Oct 15 06:18	6°M46'17	0°55'47	asc. node	13257 Sep 25 23:56	13° <b>≏</b> 54'23	
minimum elong	13256 Oct 15 04:06	6°M34'21	0°55'55		12257 0 20 07 11	200 0 45124	0001110
evening rise	13256 Oct 22 03:47	21°M46'06		superior conj	13257 Sep 29 07:41	20° <b>Ω</b> 47'21	0°31'12
	13256 Oct 26 02:08	0° <b>∡</b> 7		minimum elong	13257 Sep 29 06:08	20° <b>≏</b> 39'14	0°31'10
desc. node	13256 Nov 11 00:26	25° <b>₹</b> 56'29			13257 Oct 03 15:48	0°M	
evening max el	13256 Nov 14 05:57	29° <b>₹</b> '24'00	23°17'08	evening rise	13257 Oct 06 14:02	6° <b>™</b> 13'19	
	13256 Nov 14 21:10	0°る			13257 Oct 19 06:43	0° <b>∡</b> 7	
retrograde	13256 Nov 27 13:33	6°る01'28		evening max el	13257 Oct 26 19:23	9° <b>∡</b> 129'17	21°37'43
evening set	13256 Dec 01 21:03	5°る21'03		desc. node	13257 Oct 28 21:45	11° <b>₹</b> 23'08	
min. Earth dist.	13256 Dec 08 15:42	2° <b>る</b> 10'33	0.55157 AU	retrograde	13257 Nov 08 02:27	15° <b>⋌</b> 35'34	
inferior conj	13256 Dec 10 04:15	1°る17'35		evening set	13257 Nov 11 00:43	15° <b>∡</b> 16'05	
minimum elong	13256 Dec 10 06:01	1°る15'02	5°53'44	inferior conj	13257 Nov 19 21:09	11° <b>∡</b> 22′00	
	13256 Dec 12 10:53	30°Ŗ <b>⋌</b>		minimum elong	13257 Nov 19 14:13		5°34'59
morning rise	13256 Dec 18 16:37	27° <b>⋌</b> ¹26'42		min. Earth dist.	13257 Nov 19 21:51	11° <b>∡</b> °21′01	0.54521 AU
direct	13256 Dec 21 13:38	27° <b>∡</b> ¹06'57		morning rise	13257 Nov 28 04:37	7° <b>∡</b> ³33'57	
	13256 Dec 29 17:56	0°る		direct	13257 Dec 01 22:05	7° <b>∡</b> 03'45	
morning max el	13257 Jan 01 14:39	2° <b>る</b> 23'06	20°36'03	morning max el	13257 Dec 14 10:34	13° <b>⋌</b> '03'35	22°12'43
asc. node	13257 Jan 05 03:34	6° <b>る</b> 16'46		asc. node	13257 Dec 23 00:42	23° <b>∡</b> ′40'53	
	13257 Jan 19 01:14	0° <b>≈</b>			13257 Dec 26 21:24	0°る	
morning set	13257 Jan 20 11:35	2° <b>≈</b> 55'59		morning set	13258 Jan 04 22:11	17°る41'32	
	12257 1 27 22 21	100 - 2446	101.412.5		13258 Jan 10 16:37	0° <b>≈</b>	
superior conj	13257 Jan 27 23:21	18° <b>≈</b> 24'46	1°14'35		12250 1 11 22 45	20: 45112	1000155
minimum elong	13257 Jan 28 01:58	18°≈38'04	1°15'02	superior conj	13258 Jan 11 23:45	2°≈45'13 2°≈55'03	1°28'55 1°29'41
max. Earth dist.	13257 Feb 02 06:30 13257 Feb 02 19:55	28°≈55'33 0°¥	1.36092 AU	minimum elong max. Earth dist.	13258 Jan 12 01:36 13258 Jan 15 20:15	2 ≈33 03 10°≈46'24	1.34206 AU
evening rise	13257 Feb 02 19.33 13257 Feb 06 03:11	6° <b>∺</b> 12'02		evening rise	13258 Jan 20 05:28	10 ≈46 24 19°≈29'08	1.34200 AU
desc. node	13257 Feb 07 00:16	7° <b>¥</b> 48'29		desc. node	13258 Jan 24 20:56	19 ≈2908 28°≈10'25	
desc. flode	13257 Feb 07 00:10 13257 Feb 20 06:29	0°Υ		desc. node	13258 Jan 25 21:20	28 <b>≈</b> 1023	
evening max el	13257 Mar 13 14:24	27° <b>Υ</b> 35'54	26°04'56		13258 Feb 14 07:54	0°Υ	
evening max er	13257 Mar 16 05:23	0° <b>8</b>	20 04 30	evening max el	13258 Feb 14 07:34 13258 Feb 24 04:01	11° <b>Υ</b> 16'48	26°58'50
ratra ara da	13257 Mar 26 07:18	4° <b>8</b> 51'35		•	13258 Mar 09 12:02	18° <b>Υ</b> 43'11	20 38 30
retrograde evening set	13257 Apr 01 11:05	2° <b>8</b> 21'12		retrograde evening set	13258 Mar 16 01:19	16° <b>Υ</b> 10'41	
asc. node	13257 Apr 03 00:24	0° <b>8</b> 54'57		min. Earth dist.	13258 Mar 20 00:25	12° <b>Υ</b> 18'53	0.65716 AU
asc. Houe	13257 Apr 03 00:24 13257 Apr 03 21:07	0 <b>O</b> 3437 30°R <b>Υ</b>		asc. node	13258 Mar 20 00:23	12 <b>γ</b> 18 33	0.03710 AU
min. Earth dist.	13257 Apr 05 21:07 13257 Apr 05 15:31	27° <b>Υ</b> 55'53	0.67147 AU	inferior conj	13258 Mar 22 04:19	9° <b>Υ</b> 49'58	0°24'15
inferior conj	13257 Apr 03 13.31 13257 Apr 07 07:12	27 <b>γ</b> 53 33 25° <b>γ</b> 52'32	1°18'37	minimum elong	13258 Mar 22 03:40	9 1 49 38 9° <b>Υ</b> 51'51	0°23'55
minimum elong	13257 Apr 07 05:27	25° <b>Υ</b> 58'01	1°17'39	morning rise	13258 Mar 28 07:28	4° <b>Υ</b> 15'43	0 23 33
morning rise	13257 Apr 07 03:27 13257 Apr 13 00:34	20° <b>Υ</b> 06'23	1 1/39	direct	13258 Mar 31 03:07	3° <b>Υ</b> 32'34	
direct	13257 Apr 16 06:10	19° <b>Υ</b> 06'59		morning max el	13258 Apr 06 11:49	6° <b>Υ</b> 52'44	18°06'09
morning max el	13257 Apr 10 00:10 13257 Apr 22 21:08	22° <b>Υ</b> 40'07	18°40'55	desc. node	13258 Apr 00 11.49	0° <b>8</b> 42'30	18 00 09
morning max ci	13257 Apr 28 22:41	0°8	16 40 55	desc. flode	13258 Apr 22 12:41	0°8	
desc. node	13257 Apr 26 22:41 13257 May 06 02:32	10° <b>8</b> 33'42		morning set	13258 Apr 25 03:26	4° <b>8</b> 14'20	
morning set	13257 May 14 11:32	23° <b>8</b> 35'13		morning set	13230 Apr 23 03.20	4 01420	
morning set	13257 May 14 11:52 13257 May 18 13:59	0° <b>Ⅱ</b>		superior conj	13258 May 10 00:50	28° <b>8</b> 01'49	-1°48'37
max. Earth dist.	13257 May 29 17:16		1.45731 AU	minimum elong	13258 May 09 15:45	27° <b>8</b> 26'08	
man. Darvir dige.	1020 / 1114 / 25 17:10	1, 2220)	1.10751110	minimum trong	13258 May 11 06:58	0°II	1 .03)
superior conj	13257 May 30 15:48	18° <b>Ⅱ</b> 51'04	-2°10'05	max. Earth dist.	13258 May 12 13:09	1° <b>Ⅱ</b> 58'07	1.45739 AU
minimum elong	13257 May 30 11:18	18° <b>Ⅲ</b> 33'26		evening rise	13258 May 26 03:19	23° <b>Ⅱ</b> 04'36	
	13257 Jun 06 18:15	0.ಪ			13258 May 30 14:55	0.ಪ	
evening rise	13257 Jun 15 03:14	13° <b>©</b> 17'53		greatest brilliancy	13258 Jun 07 14:11	12° <b>©</b> 08'22	-0.7m
greatest brilliancy	13257 Jun 22 05:22	24° <b>©</b> 36'28	-0.9m	asc. node	13258 Jun 16 19:21	24°953'15	******
3y	13257 Jun 25 15:56	0°Ω	***	evening max el	13258 Jun 19 10:53	27°9548'57	19°21'00
asc. node	13257 Jun 29 22:22	6° <b>Ω</b> 22'35			13258 Jun 21 23:06	0°Ω	
evening max el	13257 Jul 06 02:21	14°Ω02'52	18°37'44	retrograde	13258 Jun 26 12:30	1° <b>Ω</b> 46'01	
retrograde	13257 Jul 12 15:18	17° <b>Ω</b> 35'49		evening set	13258 Jun 30 03:05	0° <b>Ω</b> 30′20	
evening set	13257 Jul 12 13:16	16° <b>Ω</b> 36'31		3. J	13258 Jun 30 19:04	30°R.550 20	
inferior conj	13257 Jul 21 12:28	10° <b>Ω</b> 59'11	2°49'29	inferior conj	13258 Jul 05 12:44	24° <b>©</b> 39'01	3°07'49
minimum elong	13257 Jul 21 14:24	10° <b>Ω</b> 53'14	2°48'17	minimum elong	13258 Jul 05 13:43	24°935'48	3°06'45
min. Earth dist.	13257 Jul 23 11:51	8° <b>Ω</b> 34'16	0.65552 AU	min. Earth dist.	13258 Jul 06 21:36	22°951'26	0.67085 AU
morning rise	13257 Jul 27 07:03	4°Ω36'10		morning rise	13258 Jul 10 23:49	18°9515'01	
<i>3</i>	,			<i>3</i>			

direct	13258 Jul 17 00:53	15° <b>©</b> 36'55		min. Earth dist.	13259 Jun 20 13:04	7° <b>5</b> 28'31	0.68166 AU
desc. node	13258 Jul 19 22:54	16° <b>©</b> 08'15		morning rise	13259 Jun 25 00:30	2°511'31	
morning max el	13258 Jul 29 11:34	23° <b>5</b> 04'04	25°44'33		13259 Jun 28 17:00	30° <b>Ŗ</b> Ⅱ	
	13258 Aug 04 14:45	$0^{\circ}\Omega$		direct	13259 Jun 30 14:08	29° <b>Ⅱ</b> 44'01	
	13258 Aug 25 06:14	0° <b>m</b>			13259 Jul 02 13:24	0ංම	
morning set	13258 Sep 03 11:22	15° <b>m</b> 58'51		desc. node	13259 Jul 06 20:09	2° <b>5</b> 07'05	
max. Earth dist.	13258 Sep 07 03:38	22° Mp 50'16	1.35699 AU	morning max el	13259 Jul 11 21:40	6°530'43	24°19'16
	13258 Sep 10 20:14	0∘ <b>⊽</b>			13259 Jul 30 03:43	$0^{\circ}\Omega$	
asc. node	13258 Sep 12 20:30	4° <b>≏</b> 00'46		morning set	13259 Aug 16 11:02	27° <b>Ω</b> 39'23	
					13259 Aug 17 19:17	0° <b>m</b> y	
superior conj	13258 Sep 13 00:53	4° <b>£</b> 22'50	0°01'44	max. Earth dist.	13259 Aug 20 02:10	4° Mp 03′40	1.37933 AU
minimum elong	13258 Sep 13 00:46	4° <b>£</b> 22'18	0°01'41				
behind sun begin	13258 Sep 12 18:37	3° <b>ჲ</b> 51'18		superior conj	13259 Aug 27 06:32	17° <b>m</b> ) 24'33	-0°31'35
behind sun end	13258 Sep 13 06:56	4° <b>≏</b> 53'21		minimum elong	13259 Aug 27 08:42	17° <b>m</b> y 34'57	0°31'31
evening rise	13258 Sep 20 21:21	20° <b>ჲ</b> 30'32		asc. node	13259 Aug 30 17:07	24° Mp 06'01	
	13258 Sep 25 14:51	0° <b>M</b> ,			13259 Sep 02 16:39	0∘ <b>⊽</b>	
evening max el	13258 Oct 08 20:57	20°M09'28	20°13'10	evening rise	13259 Sep 04 23:16	4° <b>£</b> 31'29	
desc. node	13258 Oct 15 19:10	24°M50'13			13259 Sep 20 00:14	0° <b>M</b>	
retrograde	13258 Oct 19 14:32	25°M29'43		evening max el	13259 Sep 21 12:44	1°M38'26	19°09'34
evening set	13258 Oct 21 16:00	25°M18'48		retrograde	13259 Sep 30 14:40	6°M11'10	
inferior conj	13258 Oct 30 14:54	21°M21'42	-4°22'09	evening set	13259 Oct 02 11:14	6°ML00'34	
minimum elong	13258 Oct 30 04:51	21°M36'36	4°18'29	desc. node	13259 Oct 02 16:38	5°M57'53	
min. Earth dist.	13258 Nov 01 05:33	20°M24'24	0.54830 AU	inferior conj	13259 Oct 10 23:00	1°M48'27	-2°35'49
morning rise	13258 Nov 07 16:49	17°M16'22		minimum elong	13259 Oct 10 16:19	1°M59'42	2°32'50
direct	13258 Nov 12 08:19	16°M29'34		min. Earth dist.	13259 Oct 13 16:57	29° <b>£</b> 57'35	0.56033 AU
morning max el	13258 Nov 25 21:33	23°ML08'42	24°01'03		13259 Oct 13 15:28	30° <b>₹</b> Ω	
	13258 Dec 02 00:03	0°⊀		morning rise	13259 Oct 18 18:43	27° <b>£</b> 10′11	
asc. node	13258 Dec 09 21:45	11° <b>₹</b> 55′22		direct	13259 Oct 24 06:06	26° <b>£</b> 00'58	
	13258 Dec 19 06:25	0° <b>ට</b>			13259 Nov 03 14:13	0° <b>M</b> ₊	
morning set	13258 Dec 20 10:03	2° <b>る</b> 26'53		morning max el	13259 Nov 07 08:17	3°M11'08	25°44'29
					13259 Nov 26 08:22	0° <b>∡</b> ¹	
superior conj	13258 Dec 27 06:06	17° <b>る</b> 19'52	1°36'37	asc. node	13259 Nov 26 18:42	0° <b>∡</b> ¹47'38	
minimum elong	13258 Dec 27 06:54	17° <b>る</b> 24'16	1°37'35	morning set	13259 Dec 04 21:28	17° <b>₹</b> 07'21	
max. Earth dist.	13258 Dec 29 17:50	22° <b>る</b> 42'26	1.32738 AU		13259 Dec 10 18:05	0°₹	
	13259 Jan 02 05:09	0° <b>≈</b>				_	
evening rise	13259 Jan 03 19:25	3°≈14'52		superior conj	13259 Dec 11 16:04	2°る02'00	1°38'06
desc. node	13259 Jan 11 17:39	18° <b>≈</b> 17'59		minimum elong	13259 Dec 11 15:47	2°る00'22	1°39'06
	13259 Jan 18 16:38	0° <b>)</b>		max. Earth dist.	13259 Dec 12 22:15	4° <b>පි</b> 48'56	1.31751 AU
evening max el	13259 Feb 06 16:47	24° <b>)</b> € 37'33	27°29'16	evening rise	13259 Dec 18 18:05	17° <b>ට</b> 21'39	
	13259 Feb 13 14:42	0° <b>Υ</b>			13259 Dec 25 03:01	0° <b>≈</b>	
retrograde	13259 Feb 20 10:07	2° <b>Y</b> 04'14		desc. node	13259 Dec 29 14:30	8°≈04'56	
	13259 Feb 26 16:26	30° <b>₹</b>			13260 Jan 13 08:20	0° <b>)</b> {	
evening set	13259 Feb 27 06:00	29° <b>)</b> (36′29		evening max el	13260 Jan 20 02:39	7° <b>∺</b> 25'17	27°29'39
min. Earth dist.	13259 Mar 03 01:21	26° <b>)</b> 15′13	0.63939 AU	retrograde	13260 Feb 03 00:21	14° <b>)</b> 45′22	
inferior conj	13259 Mar 05 16:34	23° <b>∺</b> 31′00		evening set	13260 Feb 09 22:20	12° <b>¥</b> 29'58	
minimum elong	13259 Mar 05 17:51	23° <b>)</b> €27'38	0°40'34	min. Earth dist.	13260 Feb 13 16:27	9° <b>)</b> (34′07	0.61902 AU
asc. node	13259 Mar 07 19:22	21° <b>H</b> 23'19		inferior conj	13260 Feb 16 16:45	6° <b>)</b> 47′29	
morning rise	13259 Mar 12 07:54	18° <b>∺</b> 11'02		minimum elong	13260 Feb 16 20:49	6° <b>)</b> 38′04	1°55'00
direct	13259 Mar 14 19:07	17° <b>)</b> (40′37	. =	asc. node	13260 Feb 22 16:48	2° <b>)</b> 14'12	
morning max el	13259 Mar 21 05:17	20° <b>)</b> 59′00	17°48'30	morning rise	13260 Feb 23 22:06	1° <b>)</b> 44′50	
	13259 Mar 28 03:32	0°Υ		direct	13260 Feb 26 02:54	1° <b>¥</b> 23′25	150 40140
morning set	13259 Apr 06 23:00	16° <b>Y</b> 13′21		morning max el	13260 Mar 03 22:27	4° <b>)</b> € 50′24	17°48'40
desc. node	13259 Apr 09 19:45	21° <b>Υ</b> 04'24		morning set	13260 Mar 19 16:48	29° <b>)</b> 15′17	
	13259 Apr 15 03:52	$0^{\circ}$ 8			13260 Mar 20 02:50	0°Υ	
	12250 4 20 00 11	70 <b>U</b> 55.50	1012110	desc. node	13260 Mar 26 16:19	11° <b>Y</b> 35'10	
superior conj	13259 Apr 20 00:14	7° <b>8</b> 55'59			122(0.)( 20.20.01	1000050110	0000004
minimum elong	13259 Apr 19 16:49	7° <b>8</b> 25'55		superior conj	13260 Mar 30 23:01	18° <b>Y</b> 56'12	
max. Earth dist.	13259 Apr 25 08:12	16° <b>8</b> 27'51	1.45017 AU	minimum elong	13260 Mar 30 19:52	18° <b>Y</b> 42'52	0~32'49
avanini	13259 May 04 00:35	0°Ⅱ 2°Ⅱ27/20		mov Paul J.	13260 Apr 06 15:06	0° <b>8</b>	1 42/20 411
evening rise	13259 May 05 15:02	2° <b>Ⅱ</b> 27'30		max. Earth dist.	13260 Apr 07 00:36	0° <b>8</b> 38'31	1.43639 AU
	13259 May 24 05:09	0°9	2001012.5	evening rise	13260 Apr 14 06:27	12° <b>8</b> 08'05	
evening max el	13259 Jun 02 13:53	11°937'09	20°19'35		13260 Apr 26 02:25	0°II	2102026
asc. node	13259 Jun 03 16:26	12°540'52		evening max el	13260 May 15 11:08	25° <b>I</b> I25'51	21°30'26
retrograde	13259 Jun 10 11:18	16°909'00		asc. node	13260 May 20 13:36	29° <b>Ⅱ</b> 31'48	
evening set	13259 Jun 14 11:43	14°936'29	2012112		13260 May 21 12:16	0°€	
inferior conj	13259 Jun 19 18:20	8°932'33	3°12'48	retrograde	13260 May 24 09:46	0°539'41	
minimum elong	13259 Jun 19 18:16	8° <b>9</b> 32'47	3°11'48		13260 May 27 02:56	30°RⅡ	

evening set	13260 May 28 20:48	28° <b>Ⅱ</b> 50'43		evening set	13261 May 13 04:41	13° <b>I</b> 109'09	
•	•	28 <b>H</b> 3043 22° <b>H</b> 35'41	2007110	•	•	7° <b>Ⅱ</b> 11'48	0.68897 AU
inferior conj	13260 Jun 03 02:56		3°06'19	min. Earth dist.	13261 May 18 04:53		
minimum elong	13260 Jun 03 01:55	22° <b>Ⅱ</b> 39'12	3°05'14	inferior conj	13261 May 18 12:31	6° <b>Ⅱ</b> 45'16	2°49'23
min. Earth dist.	13260 Jun 03 08:10	22° <b>Ⅲ</b> 17'24	0.68771 AU	minimum elong	13261 May 18 10:47	6° <b>Ⅱ</b> 51'16	2°48'11
morning rise	13260 Jun 08 06:50	16° <b>Ⅱ</b> 19'52		morning rise	13261 May 23 16:47	0°Ⅲ36′03	
direct	13260 Jun 13 07:49	14° <b>Ⅱ</b> 08'58			13261 May 24 11:48	30° <b>₹</b> 8	
desc. node	13260 Jun 22 17:19	19° <b>Ⅱ</b> 27'24		direct	13261 May 28 04:49	28° <b>8</b> 45'03	
morning max el	13260 Jun 23 08:39	20° <b>Ⅱ</b> 05′20	22°49'37		13261 Jun 01 05:54	$\Pi^{\circ}0$	
	13260 Jul 01 18:44	0°9		morning max el	13261 Jun 05 23:36	3° <b>Ⅱ</b> 49'56	21°24'08
	13260 Jul 22 08:15	$0^{\circ}\Omega$		desc. node	13261 Jun 09 14:21	7° <b>Ⅱ</b> 47'51	
morning set	13260 Jul 27 11:41	8° <b>Ω</b> 17'59			13261 Jun 25 18:59	0°ಅ	
max. Earth dist.	13260 Aug 01 00:56	15° <b>Ω</b> 55'42	1.40282 AU	morning set	13261 Jul 07 11:15	17° <b>9</b> 51'18	
max. Lattii dist.	13200 Aug 01 00.30	13 6633 42	1.40202 AU	max. Earth dist.	13261 Jul 14 04:43	28°9540'05	1.42464 AU
	12260 4 00 20 22	200 0 42112	1006121	max. Earth dist.			1.42404 AU
superior conj	13260 Aug 08 20:32	29° <b>Ω</b> 42'12			13261 Jul 15 00:10	$0$ ° $\Omega$	
minimum elong	13260 Aug 09 01:28	0° Mp 04'37	1°06'22			_	
	13260 Aug 09 00:27	0° <b>m</b> )		superior conj	13261 Jul 21 14:25	11° <b>Ω</b> 06′07	-1°39'16
asc. node	13260 Aug 16 13:43	14° <b>m</b> 05'41		minimum elong	13261 Jul 21 21:26	11° <b>Ω</b> 36′16	1°39'19
evening rise	13260 Aug 18 16:35	18° <b>m</b> 07'32			13261 Aug 01 06:10	0° <b>m</b> )	
	13260 Aug 25 01:59	0∘ <b>⊽</b>		evening rise	13261 Aug 01 21:22	1° <b>m</b> 08'49	
evening max el	13260 Sep 03 15:57	13° <b>≏</b> 52'13	18°27'40	asc. node	13261 Aug 03 10:21	3° m 56'13	
retrograde	13260 Sep 11 09:55	17° <b>₽</b> 47'07	,	evening max el	13261 Aug 18 02:31	26° m/42'09	18°06'21
	13260 Sep 13 10:24	17° <b>-</b> 47°07		evening max er	13261 Aug 23 07:03	0° <b>⊽</b>	10 0021
evening set	1			. 1			
desc. node	13260 Sep 18 14:09	14° <b>≏</b> 56'41		retrograde	13261 Aug 24 23:19	0° <b>≏</b> 12'50	
inferior conj	13260 Sep 21 04:16	12° <b>≏</b> 59'12			13261 Aug 26 16:05	30°R, Mp	
minimum elong	13260 Sep 21 02:22	13° <b>≏</b> 02'57	0°48'05	evening set	13261 Aug 27 07:02	29° <b>m</b> 49'03	
min. Earth dist.	13260 Sep 24 10:28	10° <b>≏</b> 25'38	0.57897 AU	inferior conj	13261 Sep 03 06:46	24° <b>m</b> 55'55	0°40'09
morning rise	13260 Sep 28 14:52	7° <b>₽</b> 43'21		minimum elong	13261 Sep 03 08:01	24° <b>m</b> 53'03	0°39'30
direct	13260 Oct 04 17:47	6° <b>₽</b> 07'26		desc. node	13261 Sep 05 11:39	22° m 53'51	
morning max el	13260 Oct 19 01:16	13° <b>≏</b> 41'58	27°04'56	min. Earth dist.	13261 Sep 06 12:30	21° m 58'23	0.60118 AU
Č	13260 Nov 01 00:44	0°M₊		morning rise	13261 Sep 10 05:49	19° <b>m</b> )08'31	
asc. node	13260 Nov 12 15:32	20°M07'15		direct	13261 Sep 16 18:37	17° <b>m</b> ) 05'29	
asc. node	13260 Nov 17 12:13	20 11d07 13 0° <b>₹</b> <sup>1</sup>					27°50'04
				morning max el	13261 Oct 01 02:03	24° <b>m</b> 57'57	27 30 04
morning set	13260 Nov 18 06:38	1° <b>∡</b> ³37'41			13261 Oct 05 17:10	0∘ <b>亚</b>	
					13261 Oct 25 10:21	0° <b>M</b> ₊	
superior conj	13260 Nov 25 03:35	16° <b>∡</b> ¹44'56	1°33'37	asc. node	13261 Oct 30 12:17	9° <b>™</b> 46'44	
superior conj minimum elong	13260 Nov 25 03:35 13260 Nov 25 02:19	16° <b>⊀</b> ¹44'56 16° <b>⊀</b> ¹37'50	1°33'37 1°34'29	asc. node morning set	13261 Oct 30 12:17 13261 Nov 02 11:45	9° <b>M</b> 46'44 15° <b>M</b> 53'20	
							1.31296 AU
minimum elong	13260 Nov 25 02:19	16° <b>∡</b> ³37'50	1°34'29	morning set	13261 Nov 02 11:45	15°M53'20	1.31296 AU
minimum elong max. Earth dist.	13260 Nov 25 02:19 13260 Nov 25 06:22	16° <b>х</b> 37′50 17° <b>х</b> 00′27	1°34'29	morning set	13261 Nov 02 11:45 13261 Nov 08 14:27	15°M53'20 29°M08'07	1.31296 AU
minimum elong max. Earth dist.	13260 Nov 25 02:19 13260 Nov 25 06:22 13260 Dec 01 03:46 13260 Dec 01 22:51	16° <b>メ</b> 37'50 17° <b>メ</b> 00'27 0°る 1°る42'12	1°34'29	morning set max. Earth dist.	13261 Nov 02 11:45 13261 Nov 08 14:27 13261 Nov 08 23:47	15°M53'20 29°M08'07 0°⊀	
minimum elong max. Earth dist.	13260 Nov 25 02:19 13260 Nov 25 06:22 13260 Dec 01 03:46 13260 Dec 01 22:51 13260 Dec 15 11:25	16° 🗗 37'50 17° 🗗 00'27 0° る 1° る42'12 27° る22'16	1°34'29	morning set max. Earth dist. superior conj	13261 Nov 02 11:45 13261 Nov 08 14:27 13261 Nov 08 23:47 13261 Nov 09 14:50	15°M53'20 29°M08'07 0° 🖈 1° 🖈 23'40	1°23'22
minimum elong max. Earth dist. evening rise desc. node	13260 Nov 25 02:19 13260 Nov 25 06:22 13260 Dec 01 03:46 13260 Dec 01 22:51 13260 Dec 15 11:25 13260 Dec 17 02:28	16° ₹37'50 17° ₹00'27 0° ₹ 1° ₹42'12 27° ₹22'16 0° ≈	1°34'29 1.31266 AU	morning set max. Earth dist.  superior conj minimum elong	13261 Nov 02 11:45 13261 Nov 08 14:27 13261 Nov 08 23:47 13261 Nov 09 14:50 13261 Nov 09 12:51	15° M 53'20 29° M 08'07 0° 🖈 1° 🖈 23'40 1° 🖈 12'40	
minimum elong max. Earth dist. evening rise desc. node evening max el	13260 Nov 25 02:19 13260 Nov 25 06:22 13260 Dec 01 03:46 13260 Dec 01 22:51 13260 Dec 15 11:25 13260 Dec 17 02:28 13261 Jan 01 06:37	16° ₹37'50 17° ₹00'27 0° ♂ 1° ♂42'12 27° ♂22'16 0° ≈ 19° ≈26'29	1°34'29	morning set max. Earth dist. superior conj	13261 Nov 02 11:45 13261 Nov 08 14:27 13261 Nov 08 23:47 13261 Nov 09 14:50 13261 Nov 09 12:51 13261 Nov 16 07:36	15° M 53'20 29° M 08'07 0°	1°23'22
minimum elong max. Earth dist. evening rise desc. node evening max el retrograde	13260 Nov 25 02:19 13260 Nov 25 06:22 13260 Dec 01 03:46 13260 Dec 01 22:51 13260 Dec 15 11:25 13260 Dec 17 02:28 13261 Jan 01 06:37 13261 Jan 15 05:28	16° ₹37'50 17° ₹00'27 0° ₹ 1° ₹42'12 27° ₹22'16 0° ≈ 19° ≈26'29 26° ≈37'39	1°34'29 1.31266 AU	morning set max. Earth dist.  superior conj minimum elong evening rise	13261 Nov 02 11:45 13261 Nov 08 14:27 13261 Nov 08 23:47 13261 Nov 09 14:50 13261 Nov 09 12:51 13261 Nov 16 07:36 13261 Nov 23 01:36	15°M53'20 29°M08'07 0°メ 1°メ23'40 1°メ12'40 16°メ11'19 0°る	1°23'22
minimum elong max. Earth dist. evening rise desc. node evening max el retrograde evening set	13260 Nov 25 02:19 13260 Nov 25 06:22 13260 Dec 01 03:46 13260 Dec 01 22:51 13260 Dec 15 11:25 13260 Dec 17 02:28 13261 Jan 01 06:37 13261 Jan 15 05:28 13261 Jan 21 22:51	16° \$\frac{3}{3}7'50 17° \$\frac{7}{0}0'27 0° \$\frac{7}{0}'52'12 27° \$\frac{7}{2}2'16 0° \$\approx 19° \$\approx 26'29 26° \$\approx 37'39 24° \$\approx 42'27	1°34'29 1.31266 AU 26°55'50	morning set max. Earth dist.  superior conj minimum elong	13261 Nov 02 11:45 13261 Nov 08 14:27 13261 Nov 08 23:47 13261 Nov 09 14:50 13261 Nov 09 12:51 13261 Nov 16 07:36 13261 Nov 23 01:36 13261 Dec 02 08:27	15° M 53'20 29° M 08'07 0° 🖈 1° 🖈 23'40 1° 🖈 12'40 16° 🖈 11'19 0° ℧ 15° ℧ 58'54	1°23'22
minimum elong max. Earth dist. evening rise desc. node evening max el retrograde	13260 Nov 25 02:19 13260 Nov 25 06:22 13260 Dec 01 03:46 13260 Dec 01 22:51 13260 Dec 15 11:25 13260 Dec 17 02:28 13261 Jan 01 06:37 13261 Jan 15 05:28	16° ₹37'50 17° ₹00'27 0° ₹ 1° ₹42'12 27° ₹22'16 0° ≈ 19° ≈26'29 26° ≈37'39	1°34'29 1.31266 AU	morning set max. Earth dist.  superior conj minimum elong evening rise	13261 Nov 02 11:45 13261 Nov 08 14:27 13261 Nov 08 23:47 13261 Nov 09 14:50 13261 Nov 09 12:51 13261 Nov 16 07:36 13261 Nov 23 01:36	15°M53'20 29°M08'07 0°メ 1°メ23'40 1°メ12'40 16°メ11'19 0°る	1°23'22
minimum elong max. Earth dist. evening rise desc. node evening max el retrograde evening set	13260 Nov 25 02:19 13260 Nov 25 06:22 13260 Dec 01 03:46 13260 Dec 01 22:51 13260 Dec 15 11:25 13260 Dec 17 02:28 13261 Jan 01 06:37 13261 Jan 15 05:28 13261 Jan 21 22:51	16° \$\frac{7}{3}7'50 17° \$\frac{7}{0}0'27 0° \$\frac{7}{0}'522'12 27° \$\frac{7}{2}22'16 0° \$\approx 19° \$\approx 26'29 26° \$\approx 37'39 24° \$\approx 42'27	1°34'29 1.31266 AU 26°55'50 0.59730 AU	morning set max. Earth dist.  superior conj minimum elong evening rise	13261 Nov 02 11:45 13261 Nov 08 14:27 13261 Nov 08 23:47 13261 Nov 09 14:50 13261 Nov 09 12:51 13261 Nov 16 07:36 13261 Nov 23 01:36 13261 Dec 02 08:27	15° M 53'20 29° M 08'07 0° 🖈 1° 🖈 23'40 1° 🖈 12'40 16° 🖈 11'19 0° ℧ 15° ℧ 58'54	1°23'22 1°23'59
minimum elong max. Earth dist. evening rise desc. node evening max el retrograde evening set min. Earth dist.	13260 Nov 25 02:19 13260 Nov 25 06:22 13260 Dec 01 03:46 13260 Dec 01 22:51 13260 Dec 15 11:25 13260 Dec 17 02:28 13261 Jan 01 06:37 13261 Jan 15 05:28 13261 Jan 21 22:51 13261 Jan 25 20:46	16° \$\frac{3}{3}7'50 17° \$\frac{7}{0}0'27 0° \$\frac{6}{3}1' \$\frac{6}{2}2'12 27° \$\frac{2}{2}2'16 0° \$\approx \$\frac{1}{9}^{\approx}26'29 26° \$\approx 37'39 24° \$\approx 42'27 22° \$\approx 03'03	1°34'29 1.31266 AU 26°55'50 0.59730 AU	morning set max. Earth dist.  superior conj minimum elong evening rise  desc. node	13261 Nov 02 11:45 13261 Nov 08 14:27 13261 Nov 08 23:47 13261 Nov 09 14:50 13261 Nov 09 12:51 13261 Nov 16 07:36 13261 Nov 23 01:36 13261 Dec 02 08:27 13261 Dec 13 12:03	15° M 53'20 29° M 08'07 0° 🖈 1° 🖈 23'40 1° 🖈 12'40 16° 🗗 11'19 0° ♂ 15° ♂ 58'54 0° ≈	1°23'22 1°23'59
minimum elong max. Earth dist. evening rise desc. node evening max el retrograde evening set min. Earth dist. inferior conj	13260 Nov 25 02:19 13260 Nov 25 06:22 13260 Dec 01 03:46 13260 Dec 01 22:51 13260 Dec 15 11:25 13260 Dec 17 02:28 13261 Jan 01 06:37 13261 Jan 15 05:28 13261 Jan 21 22:51 13261 Jan 25 20:46 13261 Jan 29 01:15	16° \$\frac{3}{3}7'50 17° \$\frac{7}{0}0'27 0° \$\frac{6}{3}1''\frac{7}{3}22'16 0° \$\infty\$ 19° \$\infty\$26'29 26° \$\infty\$37'39 24° \$\infty\$42'27 22° \$\infty\$03'03 19° \$\infty\$29'09	1°34'29 1.31266 AU 26°55'50 0.59730 AU -3°19'33	morning set max. Earth dist.  superior conj minimum elong evening rise  desc. node evening max el	13261 Nov 02 11:45 13261 Nov 08 14:27 13261 Nov 08 23:47 13261 Nov 09 14:50 13261 Nov 09 12:51 13261 Nov 16 07:36 13261 Nov 23 01:36 13261 Dec 02 08:27 13261 Dec 13 12:03 13261 Dec 14 02:27	15° M 53'20 29° M 08'07 0° 🖈 1° 🖈 12'40 16° 🖈 11'19 0° ♂ 15° ♂ 558'54 0° ≈ 0° ≈ 34'44	1°23'22 1°23'59
minimum elong max. Earth dist.  evening rise desc. node  evening max el retrograde evening set min. Earth dist. inferior conj minimum elong morning rise	13260 Nov 25 02:19 13260 Nov 25 06:22 13260 Dec 01 03:46 13260 Dec 01 22:51 13260 Dec 15 11:25 13260 Dec 17 02:28 13261 Jan 01 06:37 13261 Jan 15 05:28 13261 Jan 21 22:51 13261 Jan 25 20:46 13261 Jan 29 01:15 13261 Jan 29 08:22	16° \$\alpha\$37'50 17° \$\alpha\$00'27 0° \$\begin{align*} 1° \$\begin{align*} 42'12 27° \$\begin{align*} 22'16 0° \$\alpha\$ 19° \$\alpha\$26'29 26° \$\alpha\$37'39 24° \$\alpha\$42'27 22° \$\alpha\$03'03 19° \$\alpha\$29'09 19° \$\alpha\$14'46	1°34'29 1.31266 AU 26°55'50 0.59730 AU -3°19'33	morning set max. Earth dist.  superior conj minimum elong evening rise  desc. node  evening max el retrograde	13261 Nov 02 11:45 13261 Nov 08 14:27 13261 Nov 08 23:47  13261 Nov 09 14:50 13261 Nov 09 12:51 13261 Nov 16 07:36 13261 Nov 23 01:36 13261 Dec 02 08:27 13261 Dec 13 12:03 13261 Dec 14 02:27 13261 Dec 28 00:15 13262 Jan 03 03:26	15°M53'20 29°M08'07 0°ズ 1°ズ23'40 1°ズ12'40 16°ズ11'19 0°云 15°云58'54 0°≈ 0°≈34'44 7°≈36'29 6°≈08'47	1°23'22 1°23'59
minimum elong max. Earth dist.  evening rise desc. node  evening max el retrograde evening set min. Earth dist. inferior conj minimum elong morning rise direct	13260 Nov 25 02:19 13260 Nov 25 06:22 13260 Dec 01 03:46 13260 Dec 01 22:51 13260 Dec 15 11:25 13260 Dec 17 02:28 13261 Jan 01 06:37 13261 Jan 15 05:28 13261 Jan 21 22:51 13261 Jan 25 20:46 13261 Jan 29 01:15 13261 Jan 29 08:22 13261 Feb 05 20:57 13261 Feb 07 22:16	16° \$\alpha\$37'50 17° \$\alpha\$00'27 0° \$\alpha\$1° \$\alpha\$42'12 27° \$\alpha\$22'16 0° \$\alpha\$19° \$\alpha\$26'29 26° \$\alpha\$37'39 24° \$\alpha\$42'27 22° \$\alpha\$3'03 19° \$\alpha\$29'09 19° \$\alpha\$14'46 14° \$\alpha\$47'04 14° \$\alpha\$31'10	1°34'29 1.31266 AU 26°55'50 0.59730 AU -3°19'33	morning set max. Earth dist.  superior conj minimum elong evening rise  desc. node  evening max el retrograde evening set min. Earth dist.	13261 Nov 02 11:45 13261 Nov 08 14:27 13261 Nov 08 23:47  13261 Nov 09 14:50 13261 Nov 09 12:51 13261 Nov 16 07:36 13261 Nov 23 01:36 13261 Dec 02 08:27 13261 Dec 13 12:03 13261 Dec 14 02:27 13261 Dec 28 00:15 13262 Jan 03 03:26 13262 Jan 07 15:08	15°M53'20 29°M08'07 0°ズ 1°ズ23'40 1°ズ12'40 16°ズ11'19 0°云 15°云58'54 0°≈ 0°≈34'44 7°≈36'29 6°≈08'47 3°≈31'34	1°23'22 1°23'59 25°48'27 0.57630 AU
minimum elong max. Earth dist.  evening rise desc. node  evening max el retrograde evening set min. Earth dist. inferior conj minimum elong morning rise direct asc. node	13260 Nov 25 02:19 13260 Nov 25 06:22 13260 Dec 01 03:46 13260 Dec 01 22:51 13260 Dec 15 11:25 13260 Dec 17 02:28 13261 Jan 01 06:37 13261 Jan 15 05:28 13261 Jan 21 22:51 13261 Jan 25 20:46 13261 Jan 29 01:15 13261 Jan 29 08:22 13261 Feb 05 20:57 13261 Feb 07 22:16 13261 Feb 08 14:12	16° \$\alpha\$37'50 17° \$\alpha\$00'27 0° \$\alpha\$1" \$\alpha\$42'12 27° \$\alpha\$22'16 0° \$\alpha\$19° \$\alpha\$26'29 26° \$\alpha\$37'39 24° \$\alpha\$42'27 22° \$\alpha\$03'03 19° \$\alpha\$29'09 19° \$\alpha\$14'46 14° \$\alpha\$47'04 14° \$\alpha\$31'10 14° \$\alpha\$32'53	1°34'29 1.31266 AU 26°55'50 0.59730 AU -3°19'33 3°16'17	morning set max. Earth dist.  superior conj minimum elong evening rise  desc. node  evening max el retrograde evening set min. Earth dist. inferior conj	13261 Nov 02 11:45 13261 Nov 08 14:27 13261 Nov 08 23:47  13261 Nov 09 14:50 13261 Nov 09 12:51 13261 Nov 16 07:36 13261 Nov 23 01:36 13261 Dec 02 08:27 13261 Dec 13 12:03 13261 Dec 14 02:27 13261 Dec 28 00:15 13262 Jan 03 03:26 13262 Jan 07 15:08 13262 Jan 10 14:40	15° M.53'20 29° M.08'07 0° ₹ 1° ₹23'40 1° ₹12'40 16° ₹11'19 0° ₹ 15° ₹58'54 0° ≈ 0° ≈34'44 7° ≈36'29 6° ≈08'47 3° ≈31'34 1° ≈26'40	1°23'22 1°23'59 25°48'27 0.57630 AU -4°39'22
minimum elong max. Earth dist.  evening rise desc. node  evening max el retrograde evening set min. Earth dist. inferior conj minimum elong morning rise direct	13260 Nov 25 02:19 13260 Nov 25 06:22 13260 Dec 01 03:46 13260 Dec 01 22:51 13260 Dec 15 11:25 13260 Dec 17 02:28 13261 Jan 01 06:37 13261 Jan 21 22:51 13261 Jan 25 20:46 13261 Jan 29 01:15 13261 Jan 29 08:22 13261 Feb 05 20:57 13261 Feb 07 22:16 13261 Feb 08 14:12 13261 Feb 15 11:49	16° \$\alpha\$37'50 17° \$\alpha\$00'27 0° \$\alpha\$1" \$\alpha\$42'12 27° \$\alpha\$22'16 0° \$\alpha\$19° \$\alpha\$26'29 26° \$\alpha\$37'39 24° \$\alpha\$42'27 22° \$\alpha\$03'03 19° \$\alpha\$29'09 19° \$\alpha\$14'46 14° \$\alpha\$47'04 14° \$\alpha\$31'10 14° \$\alpha\$32'53 18° \$\alpha\$16'48	1°34'29 1.31266 AU 26°55'50 0.59730 AU -3°19'33	morning set max. Earth dist.  superior conj minimum elong evening rise  desc. node  evening max el retrograde evening set min. Earth dist.	13261 Nov 02 11:45 13261 Nov 08 14:27 13261 Nov 08 23:47  13261 Nov 09 14:50 13261 Nov 09 12:51 13261 Nov 16 07:36 13261 Nov 23 01:36 13261 Dec 02 08:27 13261 Dec 13 12:03 13261 Dec 14 02:27 13261 Dec 28 00:15 13262 Jan 03 03:26 13262 Jan 07 15:08 13262 Jan 10 14:40 13262 Jan 10 23:25	15°M53'20 29°M08'07 0°ズ 1°ズ23'40 1°ズ12'40 16°ズ11'19 0°℧ 15°℧58'54 0°≈ 0°≈34'44 7°≈36'29 6°≈08'47 3°≈31'34 1°≈26'40 1°≈11'20	1°23'22 1°23'59 25°48'27 0.57630 AU -4°39'22
minimum elong max. Earth dist.  evening rise desc. node  evening max el retrograde evening set min. Earth dist. inferior conj minimum elong morning rise direct asc. node morning max el	13260 Nov 25 02:19 13260 Nov 25 06:22 13260 Dec 01 03:46 13260 Dec 01 22:51 13260 Dec 15 11:25 13260 Dec 17 02:28 13261 Jan 01 06:37 13261 Jan 21 22:51 13261 Jan 25 20:46 13261 Jan 29 01:15 13261 Jan 29 08:22 13261 Feb 05 20:57 13261 Feb 07 22:16 13261 Feb 08 14:12 13261 Feb 15 11:49 13261 Feb 23 22:18	16° \$\alpha\$37'50 17° \$\alpha\$00'27 0° \$\begin{align*} 0° \$\begin{align*} 1° \$\begin{align*} 40' \$\begin{align*} 22° \$\begin{align*} 24° \$\alpha\$2'27 22° \$\alpha\$3'03 19° \$\alpha\$29'09 19° \$\alpha\$14'46 14° \$\alpha\$47'04 14° \$\alpha\$31'10 14° \$\alpha\$3'53 18° \$\alpha\$16'48 0° \$\emptyre{\text{K}}\$	1°34'29 1.31266 AU 26°55'50 0.59730 AU -3°19'33 3°16'17	morning set max. Earth dist.  superior conj minimum elong evening rise  desc. node  evening max el retrograde evening set min. Earth dist. inferior conj minimum elong	13261 Nov 02 11:45 13261 Nov 08 14:27 13261 Nov 08 23:47  13261 Nov 09 14:50 13261 Nov 09 12:51 13261 Nov 16 07:36 13261 Nov 23 01:36 13261 Dec 02 08:27 13261 Dec 13 12:03 13261 Dec 14 02:27 13261 Dec 28 00:15 13262 Jan 03 03:26 13262 Jan 07 15:08 13262 Jan 10 14:40 13262 Jan 10 23:25 13262 Jan 12 17:29	15°M53'20 29°M08'07 0°ズ 1°ズ23'40 1°ズ12'40 16°ズ11'19 0°云 15°云58'54 0°≈ 0°≈34'44 7°≈36'29 6°≈08'47 3°≈31'34 1°≈26'40 1°≈11'20 30°R云	1°23'22 1°23'59 25°48'27 0.57630 AU -4°39'22
minimum elong max. Earth dist.  evening rise desc. node  evening max el retrograde evening set min. Earth dist. inferior conj minimum elong morning rise direct asc. node	13260 Nov 25 02:19 13260 Nov 25 06:22 13260 Dec 01 03:46 13260 Dec 01 22:51 13260 Dec 15 11:25 13260 Dec 17 02:28 13261 Jan 01 06:37 13261 Jan 21 22:51 13261 Jan 25 20:46 13261 Jan 29 01:15 13261 Jan 29 01:15 13261 Feb 05 20:57 13261 Feb 07 22:16 13261 Feb 08 14:12 13261 Feb 15 11:49 13261 Feb 23 22:18 13261 Mar 03 02:38	16° \$\times 37'50 17° \$\times 00'27 0° \$\times 10'22'16 0° \$\times 19° \$\times 26'29 26° \$\times 37'39 24° \$\times 42'27 22° \$\times 03'03 19° \$\times 29'09 19° \$\times 14'46 14° \$\times 47'04 14° \$\times 31'10 14° \$\times 32'53 18° \$\times 16'48 0° \$\times 13° \$\times 00'58	1°34'29 1.31266 AU 26°55'50 0.59730 AU -3°19'33 3°16'17	morning set max. Earth dist.  superior conj minimum elong evening rise  desc. node  evening max el retrograde evening set min. Earth dist. inferior conj minimum elong  morning rise	13261 Nov 02 11:45 13261 Nov 08 14:27 13261 Nov 08 23:47  13261 Nov 09 14:50 13261 Nov 09 12:51 13261 Nov 16 07:36 13261 Nov 23 01:36 13261 Dec 02 08:27 13261 Dec 13 12:03 13261 Dec 14 02:27 13261 Dec 28 00:15 13262 Jan 03 03:26 13262 Jan 07 15:08 13262 Jan 10 14:40 13262 Jan 10 23:25 13262 Jan 12 17:29 13262 Jan 18 22:10	15°M53'20 29°M08'07 0°ズ 1°ズ23'40 1°ズ12'40 16°ズ11'19 0°云 15°云58'54 0°≈ 0°≈34'44 7°≈36'29 6°≈08'47 3°≈31'34 1°≈26'40 1°≈11'20 30°R云 27°云06'52	1°23'22 1°23'59 25°48'27 0.57630 AU -4°39'22
minimum elong max. Earth dist.  evening rise desc. node  evening max el retrograde evening set min. Earth dist. inferior conj minimum elong morning rise direct asc. node morning max el	13260 Nov 25 02:19 13260 Nov 25 06:22 13260 Dec 01 03:46 13260 Dec 01 22:51 13260 Dec 15 11:25 13260 Dec 17 02:28 13261 Jan 01 06:37 13261 Jan 21 22:51 13261 Jan 25 20:46 13261 Jan 29 01:15 13261 Jan 29 08:22 13261 Feb 05 20:57 13261 Feb 07 22:16 13261 Feb 08 14:12 13261 Feb 15 11:49 13261 Feb 23 22:18	16° \$\alpha\$37'50 17° \$\alpha\$00'27 0° \$\begin{align*} 0° \$\begin{align*} 1° \$\begin{align*} 40' \$\begin{align*} 22° \$\begin{align*} 24° \$\alpha\$2'27 22° \$\alpha\$3'03 19° \$\alpha\$29'09 19° \$\alpha\$14'46 14° \$\alpha\$47'04 14° \$\alpha\$31'10 14° \$\alpha\$3'53 18° \$\alpha\$16'48 0° \$\emptyre{\text{K}}\$	1°34'29 1.31266 AU 26°55'50 0.59730 AU -3°19'33 3°16'17	morning set max. Earth dist.  superior conj minimum elong evening rise  desc. node  evening max el retrograde evening set min. Earth dist. inferior conj minimum elong  morning rise direct	13261 Nov 02 11:45 13261 Nov 08 14:27 13261 Nov 08 23:47  13261 Nov 09 14:50 13261 Nov 09 12:51 13261 Nov 16 07:36 13261 Nov 23 01:36 13261 Dec 02 08:27 13261 Dec 13 12:03 13261 Dec 14 02:27 13261 Dec 28 00:15 13262 Jan 03 03:26 13262 Jan 07 15:08 13262 Jan 10 14:40 13262 Jan 10 23:25 13262 Jan 12 17:29 13262 Jan 18 22:10 13262 Jan 21 00:46	15°M53'20 29°M08'07 0°ズ  1°ズ23'40 1°ズ12'40 16°ズ11'19 0°℧ 15°℧58'54 0°≈ 0°≈34'44 7°≈36'29 6°≈08'47 3°≈31'34 1°≈26'40 1°≈11'20 30°Rゼ 27°ゼ06'52 26°ゼ52'57	1°23'22 1°23'59 25°48'27 0.57630 AU -4°39'22
minimum elong max. Earth dist.  evening rise desc. node  evening max el retrograde evening set min. Earth dist. inferior conj minimum elong morning rise direct asc. node morning max el	13260 Nov 25 02:19 13260 Nov 25 06:22 13260 Dec 01 03:46 13260 Dec 01 22:51 13260 Dec 15 11:25 13260 Dec 17 02:28 13261 Jan 01 06:37 13261 Jan 21 22:51 13261 Jan 25 20:46 13261 Jan 29 01:15 13261 Jan 29 01:15 13261 Feb 05 20:57 13261 Feb 07 22:16 13261 Feb 08 14:12 13261 Feb 15 11:49 13261 Feb 23 22:18 13261 Mar 03 02:38	16° ₹37'50 17° ₹00'27 0° ₹ 1° ₹42'12 27° ₹22'16 0° ≈ 19° ≈26'29 26° ≈37'39 24° ≈42'27 22° ≈03'03 19° ≈29'09 19° ≈14'46 14° ≈31'10 14° ≈32'53 18° ≈16'48 0° ₩ 13° ₩00'58 0° Υ	1°34'29 1.31266 AU 26°55'50 0.59730 AU -3°19'33 3°16'17	morning set max. Earth dist.  superior conj minimum elong evening rise  desc. node  evening max el retrograde evening set min. Earth dist. inferior conj minimum elong  morning rise	13261 Nov 02 11:45 13261 Nov 08 14:27 13261 Nov 08 23:47  13261 Nov 09 14:50 13261 Nov 09 12:51 13261 Nov 16 07:36 13261 Nov 23 01:36 13261 Dec 02 08:27 13261 Dec 13 12:03 13261 Dec 14 02:27 13261 Dec 28 00:15 13262 Jan 03 03:26 13262 Jan 07 15:08 13262 Jan 10 14:40 13262 Jan 10 23:25 13262 Jan 12 17:29 13262 Jan 18 22:10 13262 Jan 21 00:46 13262 Jan 26 11:33	15°M53'20 29°M08'07 0°ズ 1°ズ23'40 1°ズ12'40 16°ズ11'19 0°云 15°云58'54 0°≈ 0°≈34'44 7°≈36'29 6°≈08'47 3°≈31'34 1°≈26'40 1°≈11'20 30°R云 27°云06'52	1°23'22 1°23'59 25°48'27 0.57630 AU -4°39'22
minimum elong max. Earth dist.  evening rise desc. node  evening max el retrograde evening set min. Earth dist. inferior conj minimum elong morning rise direct asc. node morning max el	13260 Nov 25 02:19 13260 Nov 25 06:22 13260 Dec 01 03:46 13260 Dec 01 22:51 13260 Dec 15 11:25 13260 Dec 17 02:28 13261 Jan 01 06:37 13261 Jan 21 22:51 13261 Jan 25 20:46 13261 Jan 29 01:15 13261 Jan 29 01:15 13261 Feb 05 20:57 13261 Feb 07 22:16 13261 Feb 08 14:12 13261 Feb 15 11:49 13261 Feb 23 22:18 13261 Mar 03 02:38	16° ₹37'50 17° ₹00'27 0° ₹ 1° ₹42'12 27° ₹22'16 0° ≈ 19° ≈26'29 26° ≈37'39 24° ≈42'27 22° ≈03'03 19° ≈29'09 19° ≈14'46 14° ≈31'10 14° ≈31'10 14° ≈32'53 18° ≈16'48 0° ¥ 13° ¥00'58 0° Υ	1°34'29 1.31266 AU 26°55'50 0.59730 AU -3°19'33 3°16'17	morning set max. Earth dist.  superior conj minimum elong evening rise  desc. node  evening max el retrograde evening set min. Earth dist. inferior conj minimum elong  morning rise direct	13261 Nov 02 11:45 13261 Nov 08 14:27 13261 Nov 08 23:47  13261 Nov 09 14:50 13261 Nov 09 12:51 13261 Nov 16 07:36 13261 Nov 23 01:36 13261 Dec 02 08:27 13261 Dec 13 12:03 13261 Dec 14 02:27 13261 Dec 28 00:15 13262 Jan 03 03:26 13262 Jan 07 15:08 13262 Jan 10 14:40 13262 Jan 10 23:25 13262 Jan 12 17:29 13262 Jan 18 22:10 13262 Jan 21 00:46	15°M53'20 29°M08'07 0°ズ  1°ズ23'40 1°ズ12'40 16°ズ11'19 0°℧ 15°℧58'54 0°≈ 0°≈34'44 7°≈36'29 6°≈08'47 3°≈31'34 1°≈26'40 1°≈11'20 30°Rゼ 27°ゼ06'52 26°ゼ52'57	1°23'22 1°23'59 25°48'27 0.57630 AU -4°39'22
minimum elong max. Earth dist.  evening rise desc. node  evening max el retrograde evening set min. Earth dist. inferior conj minimum elong morning rise direct asc. node morning max el morning set	13260 Nov 25 02:19 13260 Nov 25 06:22 13260 Dec 01 03:46 13260 Dec 01 22:51 13260 Dec 15 11:25 13260 Dec 17 02:28 13261 Jan 01 06:37 13261 Jan 21 22:51 13261 Jan 25 20:46 13261 Jan 29 01:15 13261 Jan 29 08:22 13261 Feb 05 20:57 13261 Feb 07 22:16 13261 Feb 08 14:12 13261 Feb 15 11:49 13261 Feb 23 22:18 13261 Mar 03 02:38 13261 Mar 12 07:34	16° ₹37'50 17° ₹00'27 0° ₹ 1° ₹42'12 27° ₹22'16 0° ≈ 19° ≈26'29 26° ≈37'39 24° ≈42'27 22° ≈03'03 19° ≈29'09 19° ≈14'46 14° ≈31'10 14° ≈32'53 18° ≈16'48 0° ₩ 13° ₩00'58 0° Υ	1°34'29 1.31266 AU 26°55'50 0.59730 AU -3°19'33 3°16'17	morning set max. Earth dist.  superior conj minimum elong evening rise  desc. node  evening max el retrograde evening set min. Earth dist. inferior conj minimum elong  morning rise direct	13261 Nov 02 11:45 13261 Nov 08 14:27 13261 Nov 08 23:47  13261 Nov 09 14:50 13261 Nov 09 12:51 13261 Nov 16 07:36 13261 Nov 23 01:36 13261 Dec 02 08:27 13261 Dec 13 12:03 13261 Dec 14 02:27 13261 Dec 28 00:15 13262 Jan 03 03:26 13262 Jan 07 15:08 13262 Jan 10 14:40 13262 Jan 10 23:25 13262 Jan 12 17:29 13262 Jan 18 22:10 13262 Jan 21 00:46 13262 Jan 26 11:33	15°M.53'20 29°M.08'07 0°ズ  1°ズ23'40 1°ズ12'40 16°ズ11'19 0°云 15°云58'54 0°≈ 0°≈34'44 7°≈36'29 6°≈08'47 3°≈31'34 1°≈26'40 1°≈11'20 30°R云 27°云06'52 26°云52'57 28°云32'26	1°23'22 1°23'59 25°48'27 0.57630 AU -4°39'22
minimum elong max. Earth dist.  evening rise desc. node  evening max el retrograde evening set min. Earth dist. inferior conj minimum elong morning rise direct asc. node morning max el morning set	13260 Nov 25 02:19 13260 Nov 25 06:22 13260 Dec 01 03:46 13260 Dec 01 22:51 13260 Dec 15 11:25 13260 Dec 17 02:28 13261 Jan 01 06:37 13261 Jan 15 05:28 13261 Jan 21 22:51 13261 Jan 25 20:46 13261 Jan 29 01:15 13261 Jan 29 08:22 13261 Feb 05 20:57 13261 Feb 07 22:16 13261 Feb 08 14:12 13261 Feb 15 11:49 13261 Feb 23 22:18 13261 Mar 03 02:38 13261 Mar 12 07:34	16° ₹37'50 17° ₹00'27 0° ₹ 1° ₹42'12 27° ₹22'16 0° ≈ 19° ≈26'29 26° ≈37'39 24° ≈42'27 22° ≈03'03 19° ≈29'09 19° ≈14'46 14° ≈31'10 14° ≈31'10 14° ≈32'53 18° ≈16'48 0° ¥ 13° ¥00'58 0° Υ	1°34'29 1.31266 AU 26°55'50 0.59730 AU -3°19'33 3°16'17 18°07'49	morning set max. Earth dist.  superior conj minimum elong evening rise  desc. node  evening max el retrograde evening set min. Earth dist. inferior conj minimum elong  morning rise direct asc. node	13261 Nov 02 11:45 13261 Nov 08 14:27 13261 Nov 08 23:47  13261 Nov 09 14:50 13261 Nov 09 12:51 13261 Nov 16 07:36 13261 Nov 23 01:36 13261 Dec 02 08:27 13261 Dec 14 02:27 13261 Dec 28 00:15 13262 Jan 03 03:26 13262 Jan 07 15:08 13262 Jan 10 14:40 13262 Jan 10 14:40 13262 Jan 12 17:29 13262 Jan 12 17:29 13262 Jan 21 00:46 13262 Jan 26 11:33 13262 Jan 28 11:44	15°M53'20 29°M08'07 0°ズ  1°ズ23'40 1°ズ12'40 16°ズ11'19 0°云 15°云58'54 0°≈ 0°≈34'44 7°≈36'29 6°≈08'47 3°≈31'34 1°≈26'40 1°≈11'20 30°R云 27°云06'52 26°云52'57 28°云32'26 0°≈	1°23'22 1°23'59 25°48'27 0.57630 AU -4°39'22 4°36'07
minimum elong max. Earth dist.  evening rise desc. node  evening max el retrograde evening set min. Earth dist. inferior conj minimum elong morning rise direct asc. node morning max el morning set	13260 Nov 25 02:19 13260 Nov 25 06:22 13260 Dec 01 03:46 13260 Dec 01 22:51 13260 Dec 15 11:25 13260 Dec 17 02:28 13261 Jan 01 06:37 13261 Jan 21 22:51 13261 Jan 25 20:46 13261 Jan 29 01:15 13261 Jan 29 08:22 13261 Feb 05 20:57 13261 Feb 07 22:16 13261 Feb 08 14:12 13261 Feb 15 11:49 13261 Feb 23 22:18 13261 Mar 03 02:38 13261 Mar 12 07:34	16° \$\times 37'50 17° \$\times 00'27 0° \$\times 1° \$\times 42'12 27° \$\times 22'16 0° \$\times 19° \$\times 26'29 26° \$\times 37'39 24° \$\times 42'27 22° \$\times 03'03 19° \$\times 29'09 19° \$\times 14'46 14° \$\times 31'10 14° \$\times 32'53 18° \$\times 16'48 0° \$\times 13° \$\times 00'58 0° \$\times 10'42 1° \$\times 03'33	1°34'29 1.31266 AU 26°55'50 0.59730 AU -3°19'33 3°16'17 18°07'49	morning set max. Earth dist.  superior conj minimum elong evening rise  desc. node  evening max el retrograde evening set min. Earth dist. inferior conj minimum elong  morning rise direct asc. node  morning max el	13261 Nov 02 11:45 13261 Nov 08 14:27 13261 Nov 08 23:47  13261 Nov 09 14:50 13261 Nov 09 12:51 13261 Nov 16 07:36 13261 Nov 23 01:36 13261 Dec 02 08:27 13261 Dec 14 02:27 13261 Dec 14 02:27 13261 Dec 28 00:15 13262 Jan 03 03:26 13262 Jan 07 15:08 13262 Jan 10 14:40 13262 Jan 10 23:25 13262 Jan 12 17:29 13262 Jan 12 17:29 13262 Jan 21 10:46 13262 Jan 26 11:33 13262 Jan 28 11:44 13262 Jan 29 17:32	15°M53'20 29°M08'07 0°ズ  1°ズ23'40 1°ズ12'40 16°ズ11'19 0°℧ 15°℧58'54 0°≈ 0°≈34'44 7°≈36'29 6°≈08'47 3°≈31'34 1°≈26'40 1°≈11'20 30°R℧ 27°℧06'52 26°℧52'57 28°℧32'26 0°≈ 1°≈07'33 27°≈15'36	1°23'22 1°23'59 25°48'27 0.57630 AU -4°39'22 4°36'07
minimum elong max. Earth dist.  evening rise desc. node  evening max el retrograde evening set min. Earth dist. inferior conj minimum elong morning rise direct asc. node morning max el  morning set	13260 Nov 25 02:19 13260 Nov 25 06:22 13260 Dec 01 03:46 13260 Dec 01 22:51 13260 Dec 15 11:25 13260 Dec 17 02:28 13261 Jan 01 06:37 13261 Jan 21 22:51 13261 Jan 25 20:46 13261 Jan 29 01:15 13261 Jan 29 08:22 13261 Feb 05 20:57 13261 Feb 07 22:16 13261 Feb 08 14:12 13261 Feb 15 11:49 13261 Feb 23 22:18 13261 Mar 03 02:38 13261 Mar 12 07:34  13261 Mar 12 21:21 13261 Mar 12 12:21 13261 Mar 12 14:27 13261 Mar 12 14:27 13261 Mar 13 05:04	16° \$\times 37'50 17° \$\times 00'27 0° \$\times 1° \$\times 42'12 27° \$\times 22'16 0° \$\times 19° \$\times 26'29 26° \$\times 37'39 24° \$\times 42'27 22° \$\times 03'03 19° \$\times 29'09 19° \$\times 14'46 14° \$\times 47'04 14° \$\times 31'10 14° \$\times 32'53 18° \$\times 16'48 0° \$\times 13° \$\times 00'58 0° \$\times 10'42 1° \$\times 03'33 0° \$\times 30'52 1° \$\times 36'09	1°34'29 1.31266 AU 26°55'50 0.59730 AU -3°19'33 3°16'17 18°07'49	morning set max. Earth dist.  superior conj minimum elong evening rise  desc. node  evening max el retrograde evening set min. Earth dist. inferior conj minimum elong  morning rise direct asc. node  morning max el	13261 Nov 02 11:45 13261 Nov 08 14:27 13261 Nov 08 23:47  13261 Nov 09 14:50 13261 Nov 09 12:51 13261 Nov 16 07:36 13261 Nov 23 01:36 13261 Dec 02 08:27 13261 Dec 13 12:03 13261 Dec 14 02:27 13261 Dec 28 00:15 13262 Jan 03 03:26 13262 Jan 07 15:08 13262 Jan 10 14:40 13262 Jan 10 23:25 13262 Jan 12 17:29 13262 Jan 18 22:10 13262 Jan 26 11:33 13262 Jan 28 11:44 13262 Jan 29 17:32 13262 Feb 14 23:34	15°M53'20 29°M08'07 0°ズ  1°ズ23'40 1°ズ12'40 16°ズ11'19 0°℧ 15°℧58'54 0°≈ 0°≈34'44 7°≈36'29 6°≈08'47 3°≈31'34 1°≈26'40 1°≈11'20 30°Rゼ 27°℧06'52 26°℧52'57 28°℧32'26 0°≈ 1°≈07'33	1°23'22 1°23'59 25°48'27 0.57630 AU -4°39'22 4°36'07
minimum elong max. Earth dist.  evening rise desc. node  evening max el retrograde evening set min. Earth dist. inferior conj minimum elong morning rise direct asc. node morning max el  morning set	13260 Nov 25 02:19 13260 Nov 25 06:22 13260 Dec 01 03:46 13260 Dec 01 22:51 13260 Dec 15 11:25 13260 Dec 17 02:28 13261 Jan 01 06:37 13261 Jan 21 22:51 13261 Jan 25 20:46 13261 Jan 29 01:15 13261 Jan 29 08:22 13261 Feb 05 20:57 13261 Feb 07 22:16 13261 Feb 08 14:12 13261 Feb 15 11:49 13261 Feb 23 22:18 13261 Mar 03 02:38 13261 Mar 12 07:34  13261 Mar 12 21:21 13261 Mar 12 12:21 13261 Mar 12 14:27 13261 Mar 13 05:04 13261 Mar 13 05:04 13261 Mar 13 12:49	16° \$\times 37'50 17° \$\times 00'27 0° \$\times 1° \$\times 42'12 27° \$\times 22'16 0° \$\times 19° \$\times 26'29 26° \$\times 37'39 24° \$\times 42'27 22° \$\times 03'03 19° \$\times 29'09 19° \$\times 14'46 14° \$\times 47'04 14° \$\times 31'10 14° \$\times 32'53 18° \$\times 16'48 0° \$\times 16'48 0° \$\times 13° \$\times 00'58 0° \$\times 10' \$\times	1°34'29 1.31266 AU 26°55'50 0.59730 AU -3°19'33 3°16'17 18°07'49 0°05'09 0°05'09	morning set max. Earth dist.  superior conj minimum elong evening rise  desc. node  evening max el retrograde evening set min. Earth dist. inferior conj minimum elong  morning rise direct asc. node  morning max el morning set	13261 Nov 02 11:45 13261 Nov 08 14:27 13261 Nov 08 23:47  13261 Nov 09 14:50 13261 Nov 09 12:51 13261 Nov 16 07:36 13261 Nov 23 01:36 13261 Dec 02 08:27 13261 Dec 13 12:03 13261 Dec 14 02:27 13261 Dec 28 00:15 13262 Jan 03 03:26 13262 Jan 07 15:08 13262 Jan 10 14:40 13262 Jan 10 23:25 13262 Jan 12 17:29 13262 Jan 18 22:10 13262 Jan 21 00:46 13262 Jan 26 11:33 13262 Jan 28 11:44 13262 Jan 29 17:32 13262 Feb 14 23:34 13262 Feb 16 09:12	15°M53'20 29°M08'07 0°ズ  1°ズ23'40 1°ズ12'40 16°ズ11'19 0°℧ 15°℧58'54 0°窓 0°窓34'44 7°窓36'29 6°窓08'47 3°窓31'34 1°窓26'40 1°窓11'20 30°R℧ 27°℧06'52 26°℧52'57 28°℧32'26 0°窓 1°窓07'33 27°窓15'36 0°光	1°23'22 1°23'59 25°48'27 0.57630 AU -4°39'22 4°36'07
minimum elong max. Earth dist.  evening rise desc. node  evening max el retrograde evening set min. Earth dist. inferior conj minimum elong morning rise direct asc. node morning max el  morning set  superior conj minimum elong behind sun begin behind sun end desc. node max. Earth dist.	13260 Nov 25 02:19 13260 Nov 25 06:22 13260 Dec 01 03:46 13260 Dec 01 22:51 13260 Dec 15 11:25 13260 Dec 17 02:28 13261 Jan 01 06:37 13261 Jan 21 22:51 13261 Jan 25 20:46 13261 Jan 29 01:15 13261 Jan 29 08:22 13261 Feb 05 20:57 13261 Feb 07 22:16 13261 Feb 08 14:12 13261 Feb 15 11:49 13261 Feb 23 22:18 13261 Mar 03 02:38 13261 Mar 12 07:34  13261 Mar 12 21:21 13261 Mar 12 14:27 13261 Mar 13 05:04 13261 Mar 13 12:49 13261 Mar 13 12:49 13261 Mar 13 12:49 13261 Mar 13 12:49	16° \$\times 37'50 17° \$\times 00'27 0° \$\times 1° \$\times 42'12 27° \$\times 22'16 0° \$\times 19° \$\times 26'29 26° \$\times 37'39 24° \$\times 42'27 22° \$\times 03'03 19° \$\times 29'09 19° \$\times 14'46 14° \$\times 47'04 14° \$\times 31'10 14° \$\times 32'53 18° \$\times 16'48 0° \$\times 16'48 0° \$\times 13° \$\times 00'58 0° \$\times 10'40 1° \$\times 03'33 0° \$\times 30'352 1° \$\times 36'09 2° \$\times 10'40 14° \$\times 14'46	1°34'29 1.31266 AU 26°55'50 0.59730 AU -3°19'33 3°16'17 18°07'49	morning set max. Earth dist.  superior conj minimum elong evening rise  desc. node  evening max el retrograde evening set min. Earth dist. inferior conj minimum elong  morning rise direct asc. node  morning max el morning set	13261 Nov 02 11:45 13261 Nov 08 14:27 13261 Nov 08 23:47  13261 Nov 09 14:50 13261 Nov 09 12:51 13261 Nov 16 07:36 13261 Nov 23 01:36 13261 Dec 02 08:27 13261 Dec 13 12:03 13261 Dec 14 02:27 13261 Dec 28 00:15 13262 Jan 03 03:26 13262 Jan 07 15:08 13262 Jan 10 14:40 13262 Jan 10 23:25 13262 Jan 12 17:29 13262 Jan 12 17:29 13262 Jan 21 00:46 13262 Jan 26 11:33 13262 Jan 28 11:44 13262 Jan 29 17:32 13262 Feb 14 23:34 13262 Feb 16 09:12	15°M53'20 29°M08'07 0°ズ  1°ズ23'40 1°ズ12'40 16°ズ11'19 0°℧ 15°℧58'54 0°※ 0°※34'44 7°※36'29 6°※08'47 3°※31'34 1°※26'40 1°※11'20 30°R℧ 27°℧06'52 26°℧52'57 28°℧32'26 0°※ 1°※07'33 27°※15'36 0°ℋ	1°23'22 1°23'59 25°48'27 0.57630 AU -4°39'22 4°36'07 18°47'35
minimum elong max. Earth dist.  evening rise desc. node  evening max el retrograde evening set min. Earth dist. inferior conj minimum elong morning rise direct asc. node morning max el  morning set	13260 Nov 25 02:19 13260 Nov 25 06:22 13260 Dec 01 03:46 13260 Dec 01 22:51 13260 Dec 15 11:25 13260 Dec 17 02:28 13261 Jan 01 06:37 13261 Jan 21 22:51 13261 Jan 25 20:46 13261 Jan 29 01:15 13261 Jan 29 08:22 13261 Feb 05 20:57 13261 Feb 07 22:16 13261 Feb 08 14:12 13261 Feb 15 11:49 13261 Feb 23 22:18 13261 Mar 03 02:38 13261 Mar 12 07:34  13261 Mar 12 21:21 13261 Mar 12 14:27 13261 Mar 13 05:04 13261 Mar 13 12:49 13261 Mar 20 12:26 13261 Mar 20 12:26 13261 Mar 20 12:26	16° \$\times 37'50 17° \$\times 00'27 0° \$\times 1° \$\times 42'12 27° \$\times 22'16 0° \$\times 19° \$\times 26'29 26° \$\times 37'39 24° \$\times 42'27 22° \$\times 03'03 19° \$\times 29'09 19° \$\times 14'46 14° \$\times 47'04 14° \$\times 31'10 14° \$\times 32'53 18° \$\times 16'48 0° \$\times 13° \$\times 00'58 0° \$\times 10'42 1° \$\times 03'33 0° \$\times 30'52 1° \$\times 10'40 14° \$\times 11'46 22° \$\times 34'29	1°34'29 1.31266 AU 26°55'50 0.59730 AU -3°19'33 3°16'17 18°07'49 0°05'09 0°05'09	morning set max. Earth dist.  superior conj minimum elong evening rise  desc. node  evening max el retrograde evening set min. Earth dist. inferior conj minimum elong  morning rise direct asc. node  morning max el morning set	13261 Nov 02 11:45 13261 Nov 08 14:27 13261 Nov 08 23:47  13261 Nov 09 14:50 13261 Nov 09 12:51 13261 Nov 16 07:36 13261 Nov 23 01:36 13261 Dec 02 08:27 13261 Dec 13 12:03 13261 Dec 14 02:27 13261 Dec 28 00:15 13262 Jan 03 03:26 13262 Jan 07 15:08 13262 Jan 10 14:40 13262 Jan 10 23:25 13262 Jan 12 17:29 13262 Jan 12 17:29 13262 Jan 21 17:29 13262 Jan 21 00:46 13262 Jan 26 11:33 13262 Jan 28 11:44 13262 Jan 29 17:32 13262 Feb 14 23:34 13262 Feb 16 09:12	15°M53'20 29°M08'07 0°ズ  1°ズ23'40 1°ズ12'40 16°ズ11'19 0°℧ 15°℧58'54 0°≈ 0°≈34'44 7°≈36'29 6°≈08'47 3°≈31'34 1°≈26'40 1°≈11'20 30°R℧ 27°℧06'52 26°℧52'57 28°℧32'26 0°≈ 1°≈07'33 27°≈15'36 0°ℋ	1°23'22 1°23'59 25°48'27 0.57630 AU -4°39'22 4°36'07
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minimum elong max. Earth dist.  evening rise desc. node  evening max el retrograde evening set min. Earth dist. inferior conj minimum elong morning rise direct asc. node morning max el  morning set  superior conj minimum elong behind sun begin behind sun end desc. node max. Earth dist. evening rise	13260 Nov 25 02:19 13260 Nov 25 06:22 13260 Dec 01 03:46 13260 Dec 01 22:51 13260 Dec 15 11:25 13260 Dec 17 02:28 13261 Jan 01 06:37 13261 Jan 21 22:51 13261 Jan 25 20:46 13261 Jan 29 01:15 13261 Jan 29 01:15 13261 Feb 05 20:57 13261 Feb 07 22:16 13261 Feb 08 14:12 13261 Feb 15 11:49 13261 Feb 23 22:18 13261 Mar 03 02:38 13261 Mar 12 07:34  13261 Mar 12 14:27 13261 Mar 12 14:27 13261 Mar 13 05:04 13261 Mar 20 12:26 13261 Mar 20 12:26 13261 Mar 20 12:26 13261 Mar 30 06:26 13261 Mar 30 06:26 13261 Mar 30 06:26	16° \$\times 37'50 17° \$\times 00'27 0° \$\times 10' \$\times 42'12 27° \$\times 22'16 0° \$\times 19° \$\times 26'29 26° \$\times 37'39 24° \$\times 42'27 22° \$\times 03'03 19° \$\times 29'09 19° \$\times 14'46 14° \$\times 31'10 14° \$\times 32'53 18° \$\times 16'48 0° \$\times 16'48 0° \$\times 10' \$\tim	1°34'29 1.31266 AU 26°55'50 0.59730 AU -3°19'33 3°16'17 18°07'49 0°05'09 0°05'09 1.41742 AU	morning set max. Earth dist.  superior conj minimum elong evening rise  desc. node  evening max el retrograde evening set min. Earth dist. inferior conj minimum elong  morning rise direct asc. node  morning max el morning set	13261 Nov 02 11:45 13261 Nov 08 14:27 13261 Nov 08 23:47  13261 Nov 09 14:50 13261 Nov 09 12:51 13261 Nov 16 07:36 13261 Nov 23 01:36 13261 Dec 02 08:27 13261 Dec 13 12:03 13261 Dec 14 02:27 13261 Dec 28 00:15 13262 Jan 03 03:26 13262 Jan 07 15:08 13262 Jan 10 14:40 13262 Jan 10 23:25 13262 Jan 12 17:29 13262 Jan 12 17:29 13262 Jan 21 17:29 13262 Jan 21 00:46 13262 Jan 26 11:33 13262 Jan 28 11:44 13262 Jan 29 17:32 13262 Feb 14 23:34 13262 Feb 14 23:34 13262 Feb 23 15:13 13262 Feb 23 15:13 13262 Feb 23 17:32 13262 Feb 28 09:18 13262 Mar 02 19:38	15°M53'20 29°M08'07 0°ズ  1°ズ23'40 1°ズ12'40 16°ズ11'19 0°℧ 15°℧58'54 0°※ 0°※34'44 7°※36'29 6°※08'47 3°※31'34 1°※26'40 1°※11'20 30°R℧ 27°℧06'52 26°℧52'57 28°℧32'26 0°※ 1°※07'33 27°※15'36 0°ዢ 14°光00'35 14°光11'27 22°光47'09 27°米07'03	1°23'22 1°23'59 25°48'27 0.57630 AU -4°39'22 4°36'07 18°47'35
minimum elong max. Earth dist.  evening rise desc. node  evening max el retrograde evening set min. Earth dist. inferior conj minimum elong morning rise direct asc. node morning max el  morning set  superior conj minimum elong behind sun begin behind sun end desc. node max. Earth dist.	13260 Nov 25 02:19 13260 Nov 25 06:22 13260 Dec 01 03:46 13260 Dec 01 22:51 13260 Dec 15 11:25 13260 Dec 17 02:28 13261 Jan 01 06:37 13261 Jan 15 05:28 13261 Jan 21 22:51 13261 Jan 29 01:15 13261 Jan 29 01:15 13261 Jan 29 08:22 13261 Feb 05 20:57 13261 Feb 07 22:16 13261 Feb 08 14:12 13261 Feb 15 11:49 13261 Feb 23 22:18 13261 Mar 03 02:38 13261 Mar 12 07:34  13261 Mar 12 14:27 13261 Mar 12 14:27 13261 Mar 13 05:04 13261 Mar 20 12:26 13261 Mar 20 12:26 13261 Mar 20 06:26 13261 Apr 20 04:14 13261 Apr 20 04:14	16° ₹37'50 17° ₹00'27 0° ₹ 1° ₹42'12 27° ₹22'16 0° ≈ 19° ≈26'29 26° ≈37'39 24° ≈42'27 22° ≈03'03 19° ≈29'09 19° ≈14'46 14° ≈31'10 14° ≈32'53 18° ≈16'48 0° ₹ 13° ₹00'58 0° Υ  1° Υ01'42 1° Υ03'33 0° Υ30'52 1° Υ36'09 2° Υ10'40 14° Υ14'46 22° Υ34'29 0° ႘ 0° ∏ 9° ∏15'29	1°34'29 1.31266 AU 26°55'50 0.59730 AU -3°19'33 3°16'17 18°07'49 0°05'09 0°05'09	morning set max. Earth dist.  superior conj minimum elong evening rise  desc. node  evening max el retrograde evening set min. Earth dist. inferior conj minimum elong  morning rise direct asc. node  morning max el morning set	13261 Nov 02 11:45 13261 Nov 08 14:27 13261 Nov 08 23:47  13261 Nov 09 14:50 13261 Nov 09 12:51 13261 Nov 16 07:36 13261 Nov 23 01:36 13261 Dec 02 08:27 13261 Dec 13 12:03 13261 Dec 14 02:27 13261 Dec 28 00:15 13262 Jan 03 03:26 13262 Jan 07 15:08 13262 Jan 10 14:40 13262 Jan 10 23:25 13262 Jan 12 17:29 13262 Jan 12 17:29 13262 Jan 21 17:29 13262 Jan 21 00:46 13262 Jan 26 11:33 13262 Jan 28 11:44 13262 Jan 29 17:32 13262 Feb 14 23:34 13262 Feb 16 09:12  13262 Feb 23 15:13 13262 Feb 23 17:32 13262 Feb 28 09:18	15°M53'20 29°M08'07 0°ズ  1°ズ23'40 1°ズ12'40 16°ズ11'19 0°℧ 15°℧58'54 0°≈ 0°≈34'44 7°≈36'29 6°≈08'47 3°≈31'34 1°≈26'40 1°≈11'20 30°R℧ 27°℧06'52 26°℧52'57 28°℧32'26 0°≈ 1°≈07'33 27°≈15'36 0°ዢ  14°光00'35 14°光11'27 22°光47'09 27°光07'03 0°Ƴ	1°23'22 1°23'59 25°48'27 0.57630 AU -4°39'22 4°36'07 18°47'35
minimum elong max. Earth dist.  evening rise desc. node  evening max el retrograde evening set min. Earth dist. inferior conj minimum elong morning rise direct asc. node morning max el  morning set  superior conj minimum elong behind sun begin behind sun end desc. node max. Earth dist. evening rise	13260 Nov 25 02:19 13260 Nov 25 06:22 13260 Dec 01 03:46 13260 Dec 01 22:51 13260 Dec 15 11:25 13260 Dec 17 02:28 13261 Jan 01 06:37 13261 Jan 21 22:51 13261 Jan 25 20:46 13261 Jan 29 01:15 13261 Jan 29 01:15 13261 Feb 05 20:57 13261 Feb 07 22:16 13261 Feb 08 14:12 13261 Feb 15 11:49 13261 Feb 23 22:18 13261 Mar 03 02:38 13261 Mar 12 07:34  13261 Mar 12 14:27 13261 Mar 12 14:27 13261 Mar 13 05:04 13261 Mar 20 12:26 13261 Mar 20 12:26 13261 Mar 20 12:26 13261 Mar 30 06:26 13261 Mar 30 06:26 13261 Mar 30 06:26	16° ₹37'50 17° ₹00'27 0° ₹ 1° ₹42'12 27° ₹22'16 0° ≈ 19° ≈26'29 26° ≈37'39 24° ≈42'27 22° ≈03'03 19° ≈29'09 19° ≈14'46 14° ≈31'10 14° ≈32'53 18° ≈16'48 0° 升 13° 升00'58 0° Υ  1° Υ01'42 1° Υ03'33 0° Υ30'52 1° Υ36'09 2° Υ10'40 14° Υ14'46 22° Υ34'29 0° ₹ 0° Π 9° Π15'29 15° Π10'09	1°34'29 1.31266 AU 26°55'50 0.59730 AU -3°19'33 3°16'17 18°07'49 0°05'09 0°05'09 1.41742 AU	morning set max. Earth dist.  superior conj minimum elong evening rise  desc. node  evening max el retrograde evening set min. Earth dist. inferior conj minimum elong  morning rise direct asc. node  morning max el morning set	13261 Nov 02 11:45 13261 Nov 08 14:27 13261 Nov 08 23:47  13261 Nov 09 14:50 13261 Nov 09 12:51 13261 Nov 16 07:36 13261 Nov 23 01:36 13261 Dec 02 08:27 13261 Dec 13 12:03 13261 Dec 14 02:27 13261 Dec 28 00:15 13262 Jan 03 03:26 13262 Jan 07 15:08 13262 Jan 10 14:40 13262 Jan 10 23:25 13262 Jan 12 17:29 13262 Jan 12 17:29 13262 Jan 21 17:29 13262 Jan 21 00:46 13262 Jan 26 11:33 13262 Jan 28 11:44 13262 Jan 29 17:32 13262 Feb 14 23:34 13262 Feb 14 23:34 13262 Feb 23 15:13 13262 Feb 23 15:13 13262 Feb 23 17:32 13262 Feb 28 09:18 13262 Mar 02 19:38	15°M53'20 29°M08'07 0°ズ  1°ズ23'40 1°ズ12'40 16°ズ11'19 0°℧ 15°℧58'54 0°≈ 0°≈34'44 7°≈36'29 6°≈08'47 3°≈31'34 1°≈26'40 1°≈11'20 30°R℧ 27°℧06'52 26°℧52'57 28°℧32'26 0°≈ 1°≈07'33 27°≈15'36 0°ዢ 14°米00'35 14°米1'27 22°米47'09 27°米07'03 0°Ƴ 3°Ŷ56'09	1°23'22 1°23'59 25°48'27 0.57630 AU -4°39'22 4°36'07 18°47'35
minimum elong max. Earth dist.  evening rise desc. node  evening max el retrograde evening set min. Earth dist. inferior conj minimum elong morning rise direct asc. node morning max el  morning set  superior conj minimum elong behind sun begin behind sun end desc. node max. Earth dist. evening rise	13260 Nov 25 02:19 13260 Nov 25 06:22 13260 Dec 01 03:46 13260 Dec 01 22:51 13260 Dec 15 11:25 13260 Dec 17 02:28 13261 Jan 01 06:37 13261 Jan 15 05:28 13261 Jan 21 22:51 13261 Jan 29 01:15 13261 Jan 29 01:15 13261 Jan 29 08:22 13261 Feb 05 20:57 13261 Feb 07 22:16 13261 Feb 08 14:12 13261 Feb 15 11:49 13261 Feb 23 22:18 13261 Mar 03 02:38 13261 Mar 12 07:34  13261 Mar 12 14:27 13261 Mar 12 14:27 13261 Mar 13 05:04 13261 Mar 20 12:26 13261 Mar 20 12:26 13261 Mar 20 06:26 13261 Apr 20 04:14 13261 Apr 20 04:14	16° ₹37'50 17° ₹00'27 0° ₹ 1° ₹42'12 27° ₹22'16 0° ≈ 19° ≈26'29 26° ≈37'39 24° ≈42'27 22° ≈03'03 19° ≈29'09 19° ≈14'46 14° ≈31'10 14° ≈32'53 18° ≈16'48 0° ₹ 13° ₹00'58 0° Υ  1° Υ01'42 1° Υ03'33 0° Υ30'52 1° Υ36'09 2° Υ10'40 14° Υ14'46 22° Υ34'29 0° ႘ 0° ∏ 9° ∏15'29	1°34'29 1.31266 AU 26°55'50 0.59730 AU -3°19'33 3°16'17 18°07'49 0°05'09 0°05'09 1.41742 AU	morning set max. Earth dist.  superior conj minimum elong evening rise  desc. node  evening max el retrograde evening set min. Earth dist. inferior conj minimum elong  morning rise direct asc. node  morning max el morning set	13261 Nov 02 11:45 13261 Nov 08 14:27 13261 Nov 08 23:47  13261 Nov 09 14:50 13261 Nov 09 12:51 13261 Nov 16 07:36 13261 Nov 23 01:36 13261 Dec 02 08:27 13261 Dec 13 12:03 13261 Dec 14 02:27 13261 Dec 28 00:15 13262 Jan 03 03:26 13262 Jan 07 15:08 13262 Jan 10 14:40 13262 Jan 10 23:25 13262 Jan 12 17:29 13262 Jan 18 22:10 13262 Jan 21 17:29 13262 Jan 21 00:46 13262 Jan 26 11:33 13262 Jan 28 11:44 13262 Jan 29 17:32 13262 Feb 14 23:34 13262 Feb 16 09:12  13262 Feb 23 15:13 13262 Feb 23 17:32 13262 Feb 28 09:18 13262 Mar 02 19:38 13262 Mar 04 11:16	15°M53'20 29°M08'07 0°ズ  1°ズ23'40 1°ズ12'40 16°ズ11'19 0°℧ 15°℧58'54 0°≈ 0°≈34'44 7°≈36'29 6°≈08'47 3°≈31'34 1°≈26'40 1°≈11'20 30°R℧ 27°℧06'52 26°℧52'57 28°℧32'26 0°≈ 1°≈07'33 27°≈15'36 0°ዢ  14°光00'35 14°光11'27 22°光47'09 27°光07'03 0°Ƴ	1°23'22 1°23'59 25°48'27 0.57630 AU -4°39'22 4°36'07 18°47'35

1	12262 A 10 17.42	220 406141	24910107		12262 Mar. 24, 07:15	COU 50110	25926117
evening max el	13262 Apr 10 17:43	23° <b>8</b> 06'41	24°10'07	evening max el	13263 Mar 24 07:15	6° <b>8</b> 59'19	25-20-17
retrograde asc. node	13262 Apr 21 23:57 13262 Apr 24 08:08	29° <b>8</b> 18'43		retrograde evening set	13263 Apr 05 13:11 13263 Apr 11 10:31	14 <b>8</b> 04 09	
evening set	13262 Apr 24 08:08 13262 Apr 27 09:47	29 818 43 27° <b>8</b> 26'25		asc. node	13263 Apr 11 05:32	11° <b>8</b> 48'05	
min. Earth dist.	13262 Apr 27 09:47 13262 May 02 01:03	27 <b>8</b> 2023	0.68560 AU	min. Earth dist.	13263 Apr 15 18:36	6° <b>8</b> 52'02	0.67783 AU
inferior conj	13262 May 02 01:03	20° <b>8</b> 56'57	2°22'20	inferior conj	13263 Apr 17 03:04	5° <b>8</b> 07'12	1°45'00
minimum elong	13262 May 02 21.11 13262 May 02 19:04		2°21'03	minimum elong	13263 Apr 17 03:04 13263 Apr 17 01:01	5° <b>8</b> 13'51	1°43'50
morning rise	13262 May 08 04:27	14° <b>8</b> 55'28	2 21 03	minimum ciong	13263 Apr 21 16:03	30°RY	1 43 30
direct	13262 May 12 03:57	13° <b>8</b> 25'20		morning rise	13263 Apr 22 15:57	30 K 1 29° <b>Υ</b> 14'44	
morning max el	13262 May 19 21:02	17° <b>8</b> 45'26	20°09'06	direct	13263 Apr 26 03:49	29 <b>γ</b> 14 44 28° <b>γ</b> 04'37	
desc. node	13262 May 19 21:02 13262 May 27 11:15	26° <b>8</b> 51'38	20 09 00	direct	13263 Apr 30 22:51	0° <b>8</b>	
desc. Hode	13262 May 27 11:13	20 <b>O</b> 31 38		morning max el	13263 May 03 02:03	1° <b>8</b> 51'18	19°08'26
morning set	13262 Jun 16 15:39	26° <b>∏</b> 36'15		desc. node	13263 May 14 08:03	16° <b>8</b> 27'14	19 08 20
morning set	13262 Jun 18 20:23	0°95			13263 May 16 01:46	19° <b>8</b> 02'08	-0.7m
max. Earth dist.	13262 Jun 26 14:48	12° <b>©</b> 12'30	1.44229 AU	greatest brilliancy	13263 May 23 06:49	19 <b>3</b> 02 08	-0./111
max. Earth dist.	13202 Juli 20 14.46	12 301230	1.44229 AU	morning set	13263 May 26 19:22	5° <b>П</b> 25'37	
superior conj	13262 Jul 02 08:46	21° <b>©</b> 29'28	2002150	max. Earth dist.	13263 Jun 09 06:41	26° <b>Ⅱ</b> 22'30	1.45390 AU
minimum elong	13262 Jul 02 14:47	21°954'01		max. Earth dist.	13263 Jun 11 13:59	0°95	1.43390 AU
minimum ciong	13262 Jul 07 12:06	21 <b>3</b> 3401 0° <b>Ω</b>	2 04 37		13203 Juli 11 13.39	0 3	
evening rise	13262 Jul 15 08:38	13° <b>Ω</b> 22'26		superior conj	13263 Jun 12 04:57	0°@59'02	2013133
asc. node	13262 Jul 21 07:02	23°Ω32'31		minimum elong	13263 Jun 12 04:58	0°959'07	
asc. Houc	13262 Jul 25 05:22	0° <b>m</b> )		evening rise	13263 Jun 26 21:33	24° <b>©</b> 37'47	2 1433
evening max el	13262 Aug 01 16:29	9° Mp 57'57	18°04'17	evening rise	13263 Jun 30 04:10	24 <b>3</b> 3/4/ 0°Ω	
retrograde	13262 Aug 01 10.29	13° My 18'31	10 0417	asc. node	13263 Jul 08 03:49	12°Ω49'18	
evening set	13262 Aug 10 18:38	12° Mp 42'46		evening max el	13263 Jul 16 06:28		18°20'29
inferior conj	13262 Aug 17 03:01	7° m) 31'06	1°46'35	retrograde	13263 Jul 22 15:43	$26^{\circ}\Omega55'28$	18 20 29
minimum elong	13262 Aug 17 05:01 13262 Aug 17 05:28	7° m) 24'40	1°45'21	evening set	13263 Jul 25 16:14	26°Ω05'11	
min. Earth dist.	13262 Aug 17 03:28 13262 Aug 19 23:57	4° m) 31'34	0.62398 AU	inferior conj	13263 Jul 31 12:58	20°Ω36'50	2°31'46
desc. node	13262 Aug 23 09:11	1° My 31'35	0.02398 AU	minimum elong	13263 Jul 31 15:19	20° <b>Ω</b> 30'00	2°30'29
morning rise	13262 Aug 23 14:01	1° m) 22'43		min. Earth dist.	13263 Aug 02 20:43	17° <b>Ω</b> 55'02	0.64500 AU
morning rise	13262 Aug 25 14.01 13262 Aug 25 20:56	1 11√2243 30°R <b>Ω</b>		morning rise	13263 Aug 02 20.43 13263 Aug 06 13:01	$17^{\circ}03302$ $14^{\circ}\Omega17'11$	0.04300 AU
direct	13262 Aug 30 06:22	28° <b>Ω</b> 57'45		desc. node	13263 Aug 10 06:40	$12^{\circ}\Omega 08'05$	
direct	13262 Sep 03 22:17	0° m)		direct	13263 Aug 13 02:56	12 <b>00</b> 00 03	
morning max el	13262 Sep 13 08:46	6° Mp 59'12	27°56'15	morning max el	13263 Aug 26 18:50	19° <b>Ω</b> 38'12	27026128
morning max er	13262 Sep 13 08.40	0° <b>⊽</b>	27 30 13	morning max er	13263 Sep 04 15:07	0° m)	27 20 28
morning set	13262 Oct 17 10:46	0 <del>=</del> 29° <b>£</b> 48'58			13263 Sep 23 22:54	0∘ <b>ت</b> الألا	
asc. node	13262 Oct 17 10.40 13262 Oct 17 08:57	29° <b>₽</b> 39'43		morning set	13263 Oct 01 01:07	0 <del>=</del> 13° <b>£</b> 17'54	
asc. Houc	13262 Oct 17 08:57	0° <b>™</b>		asc. node	13263 Oct 04 05:33	19° <b>Ω</b> 41'10	
max. Earth dist.	13262 Oct 17 12:30 13262 Oct 22 18:39	11°ML02'17	1.31852 AU	max. Earth dist.	13263 Oct 04 05:33	22° <b>£</b> 35'28	1.32952 AU
max. Latur dist.	13202 Oct 22 16.37	11 110021/	1.51652 AC	max. Lattii dist.	13203 Oct 03 13.23	22 -33 20	1.32/32 AO
superior conj	13262 Oct 24 23:56	15°M52'50	1°07'27	superior conj	13263 Oct 09 04:51	0°ML06'27	0°46'00
minimum elong	13262 Oct 24 21:40	15°M40'22	1°07'47	minimum elong	13263 Oct 09 02:50	29° <b>£</b> 55'41	0°46'03
minimum ciong	13262 Oct 24 21:40	0° <b>√</b>	1 0/4/	minimum ciong	13263 Oct 09 03:39	0°M	0 40 05
evening rise	13262 Oct 31 18:26	0° 🗷 44'04		evening rise	13263 Oct 16 05:29	15°ML15'12	
evening rise	13262 Nov 16 14:36	%ਰ		evening rise	13263 Oct 23 12:30	0° <b>∡</b> 7	
desc. node	13262 Nov 19 05:37	。3° <b>そ</b> 39'35		desc. node	13263 Nov 06 02:54	20° <b>×</b> <sup>7</sup> 02'52	
evening max el	13262 Nov 15 03:57	10°る57'30	24°15'55	evening max el	13263 Nov 07 01:13	20° × 02° 92 20° × 59'01	22°33'47
retrograde	13262 Dec 09 06:45	17° <b>る</b> 46'17	24 13 33	retrograde	13263 Nov 20 00:08	27°×7'24'36	22 33 47
evening set	13262 Dec 14 08:33	16° <b>ろ</b> 49'45		evening set	13263 Nov 23 16:51	26° <b>×</b> 54'44	
min. Earth dist.	13262 Dec 20 02:14		0.55879 AU	min. Earth dist.	13263 Dec 01 09:05		0.54777 AU
inferior conj	13262 Dec 20 02:14 13262 Dec 22 07:25	13° <b>る</b> 30'57		inferior conj	13263 Dec 02 06:23	22° <b>×</b> 757'15	
minimum elong	13262 Dec 22 13:26	12° <b>る</b> 25'43		minimum elong	13263 Dec 02 04:16	23°×700'16	
morning rise	13262 Dec 22 13:26 13262 Dec 30 20:16	8° <b>る</b> 35'12	3 37 11	morning rise	13263 Dec 10 16:58	19° <b>₹</b> '09'32	3 33 10
direct	13263 Jan 02 07:50	8°중19'04		direct	13263 Dec 13 22:21	18° <b>×</b> 45'51	
morning max el	13263 Jan 12 11:34	3° <b>ろ</b> 17'43	19°49'49	morning max el	13263 Dec 25 15:09	24° ×721'03	21°14'56
asc. node	13263 Jan 13 08:50	13° <b>さ</b> 11*3	-2 .2 .2		13263 Dec 30 14:11	0°る	21 1100
ase. Houe	13263 Jan 24 02:48	0°≈		asc. node	13263 Dec 31 06:03	0°る53'27	
morning set	13263 Jan 30 03:57	0 <b>~</b> 11° <b>≈</b> 48'57		morning set	13264 Jan 14 12:57	26° <b>ප</b> 331'56	
morning set	15205 Jun 50 05.5/	11 /0103/		morning set	13264 Jan 16 04:41	20°≈	
superior conj	13263 Feb 07 00:04	27° <b>≈</b> 40'14	1°03'09		102019411 10 07.41	· /•·	
minimum elong	13263 Feb 07 00:04 13263 Feb 07 02:51	27 ≈ 40 14 27° ≈ 54'03	1°03'24	superior conj	13264 Jan 21 19:45	11° <b>≈</b> 48'13	1°21'30
mmmum clong	13263 Feb 07 02:31 13263 Feb 08 04:24	27 ≈3403 0° <b>H</b>	1 03 27	minimum elong	13264 Jan 21 22:06	11 ≈48 13 12°≈00'23	1°22'05
max. Earth dist.	13263 Feb	0 K 9°¥22'19	1.37307 AU	max. Earth dist.	13264 Jan 26 12:02	12 ≈00 23 21°≈17'18	1.35247 AU
desc. node	13263 Feb 15 05:50	9 <b>X</b> 22 19 13° <b>X</b> 21'25	1.5/30/AU	evening rise	13264 Jan 30 13:27	21 ≈1718 29°≈07'07	1.5547 AU
evening rise	13263 Feb 16 19:23	15 <b>X</b> 2125 16° <b>X</b> 10′26		evening 1150	13264 Jan 31 00:44	29 <b>≈</b> 0707 0° <b>∺</b>	
evening fise	13263 Feb 24 22:22	10 <b>γ</b> 10 20		desc. node	13264 Feb 02 02:26	3° <b>)</b> 48′55	
	13263 Mar 17 22:59	0°8		dese. Houc	13264 Feb	3 <b>Λ</b> 4833	
	13203 14101 1/ 22.39	ÿ <b>O</b>			15201100 10 05.27	V 1	

evening max el	13264 Mar 05 21:03	20° <b>Ƴ</b> 47'14	26°30'23	desc. node	13265 Jan 18 23:07	24°≈05'20	
retrograde	13264 Mar 18 21:04	28°Υ′08'12	20 30 23	dese. Hode	13265 Jan 22 07:58	0° <b>∺</b>	
evening set	13264 Mar 25 05:05	25° <b>Y</b> '36'31			13265 Feb 12 06:56	0°Υ	
asc. node	13264 Mar 28 03:00	22°Υ'46'40		evening max el	13265 Feb 16 10:32	4° <b>Υ</b> 20'52	27°15'00
min. Earth dist.	13264 Mar 29 07:14	21° <b>Y</b> °25'31	0.66585 AU	retrograde	13265 Mar 01 22:48	11° <b>Y</b> '47'39	
inferior conj	13264 Mar 31 04:03	19° <b>Y</b> 10'33	0°56'57	evening set	13265 Mar 08 15:30	9° <b>Y</b> 16'15	
minimum elong	13264 Mar 31 02:40	19° <b>Ƴ</b> 14'44	0°56'12	min. Earth dist.	13265 Mar 12 12:49	5° <b>Y</b> 38′06	0.65003 AU
morning rise	13264 Apr 06 01:13	13° <b>Y</b> ′28'57		inferior conj	13265 Mar 14 21:43	3° <b>Y</b> '01'24	-0°02'15
direct	13264 Apr 09 02:31	12° <b>Y</b> '36'41		minimum elong	13265 Mar 14 21:46	3° <b>Y</b> 01'14	0°02'09
morning max el	13264 Apr 15 13:44	16° <b>Y</b> ′02'43	18°24'03	transit middle	13265 Mar 14 21:46	3° <b>Ƴ</b> 01'14	
	13264 Apr 26 01:35	0°B		transit begin	13265 Mar 14 18:46	3° <b>Y</b> 09'34	
desc. node	13264 Apr 30 04:45	6° <b>8</b> 25'35		transit end	13265 Mar 15 00:47	2° <b>Y</b> ′52'55	
morning set	13264 May 05 19:05	15° <b>8</b> 16'52		asc. node	13265 Mar 15 00:30	2° <b>Y</b> 53'43	
	13264 May 15 02:58	$\Pi^{\circ}0$			13265 Mar 17 19:34	30° <b>₹</b> ₩	
	•			morning rise	13265 Mar 21 05:46	27° <b>)</b> 32′59	
superior conj	13264 May 21 13:00	10° <b>Ⅱ</b> 02'41	-2°03'12	direct	13265 Mar 23 21:44	26° <b>)</b> 55′34	
minimum elong	13264 May 21 05:46	9°∏34′28	2°03'43	morning max el	13265 Mar 30 05:55	0° <b>Y</b> 13′16	17°56'34
max. Earth dist.	13264 May 22 02:17	10° <b>Ⅱ</b> 54'32	1.45830 AU		13265 Mar 30 00:24	$0$ ° $\Upsilon$	
	13264 Jun 03 07:21	$0$ $\circ$ 20		morning set	13265 Apr 16 23:08	26° <b>Ƴ</b> 31'07	
evening rise	13264 Jun 06 09:58	4° <b>9</b> 52'53		desc. node	13265 Apr 17 01:21	26° <b>Ƴ</b> 40'18	
greatest brilliancy	13264 Jun 16 00:42	19° <b>©</b> 55'43	-0.8m		13265 Apr 19 01:47	$0^{\circ}$ 8	
	13264 Jun 22 19:36	$0^{\circ}\Omega$					
asc. node	13264 Jun 24 00:44	1° <b>Ω</b> 39'27		superior conj	13265 May 01 02:15	19° <b>8</b> 26'38	-1°34'47
evening max el	13264 Jun 28 17:38	7° <b>Ω</b> 14′29	18°54'10	minimum elong	13265 Apr 30 17:16	18° <b>8</b> 50'55	1°34'32
retrograde	13264 Jul 05 10:50	10° <b>Ω</b> 55'51		max. Earth dist.	13265 May 04 22:35	25° <b>8</b> 30'50	1.45517 AU
evening set	13264 Jul 08 20:12	9° <b>Ω</b> 49'30			13265 May 07 19:24	$\Pi$ $^{\circ}0$	
inferior conj	13264 Jul 14 08:56	4° <b>Ω</b> 06′02	2°58'59	evening rise	13265 May 17 02:58	14° <b>Ⅱ</b> 24'27	
minimum elong	13264 Jul 14 10:29	4° <b>Ω</b> 01'06	2°57'52		13265 May 27 08:58	$0$ $\circ$ $\odot$	
min. Earth dist.	13264 Jul 16 02:04	1° <b>Q</b> 56'13	0.66260 AU	greatest brilliancy	13265 May 31 07:10	5° <b>5</b> 649'19	-0.6m
	13264 Jul 17 17:08	30° <b>ℝ</b> ∽		asc. node	13265 Jun 10 21:45	19° <b>©</b> 53'10	
morning rise	13264 Jul 20 00:03	27° <b>©</b> 42'19		evening max el	13265 Jun 11 23:51	21° <b>©</b> 01'25	19°44'12
direct	13264 Jul 26 06:43	25°501'56		retrograde	13265 Jun 19 09:02	25°5512'13	
desc. node	13264 Jul 27 04:05	25° <b>©</b> 04'50		evening set	13265 Jun 23 03:46	23° <b>5</b> 49'11	
	13264 Aug 05 08:17	$\mathfrak{O}^{\circ} \mathfrak{O}$		inferior conj	13265 Jun 28 11:45	17° <b>©</b> 52'06	3°11'26
morning max el	13264 Aug 08 05:57	2° <b>Ω</b> 44'22	26°27'56	minimum elong	13265 Jun 28 12:17	17° <b>©</b> 50'18	3°10'25
	13264 Aug 28 20:36	0° <b>™</b>		min. Earth dist.	13265 Jun 29 14:25	16° <b>©</b> 22'51	0.67595 AU
morning set	13264 Sep 13 03:43	26° Mp 13'03		morning rise	13265 Jul 03 20:25	11° <b>5</b> 29'02	
	13264 Sep 15 03:26	0∘ <b>ত</b>		direct	13265 Jul 09 16:42	8° <b>©</b> 54'55	
max. Earth dist.	13264 Sep 17 02:33	3° <b>≏</b> 49'17	1.34570 AU	desc. node	13265 Jul 14 01:25	10° <b>©</b> 04'50	
asc. node	13264 Sep 20 02:09	9° <b>≏</b> 47'14		morning max el	13265 Jul 21 16:39	16° <b>©</b> 06'26	25°09'34
					13265 Aug 02 04:22	$0$ $^{\circ}\Omega$	
superior conj	13264 Sep 22 03:11	13° <b>≏</b> 58'27	0°19'17		13265 Aug 21 18:42	0° <b>™</b>	
minimum elong	13264 Sep 22 02:09	13° <b>≏</b> 53'05	0°19'13	morning set	13265 Aug 26 14:30	8° <b>m</b> 24'00	
evening rise	13264 Sep 29 14:50	29° <b>ჲ</b> 39'57		max. Earth dist.	13265 Aug 30 04:39	14° <b>m</b> 56'09	1.36620 AU
	13264 Sep 29 18:41	$0^{\circ}$ M					
	13264 Oct 17 13:44	0° <b>∡</b> ¹		superior conj	13265 Sep 05 15:54	27° <b>m</b> 20'35	-0°12'01
evening max el	13264 Oct 18 19:09	1° <b>∡</b> 16'32	20°59'18	minimum elong	13265 Sep 05 16:40	27° <b>m</b> 24'23	0°12'02
desc. node	13264 Oct 23 00:17	4° <b>∡</b> °42'48		behind sun begin	13265 Sep 05 12:20	27° Mp 03'00	
retrograde	13264 Oct 30 10:54	7° <b>∡</b> °04'09		behind sun end	13265 Sep 05 21:00	27° <b>m</b> 45'48	
evening set	13264 Nov 01 22:33	6° <b>∡</b> 749′29		asc. node	13265 Sep 06 22:42	29° <b>m</b> 53'36	
inferior conj	13264 Nov 10 21:49	2° <b>҂</b> 755'39	-5°11'04		13265 Sep 06 23:59	0∘ <b>ত</b>	
minimum elong	13264 Nov 10 12:34	3° <b>∡</b> ¹08'45	5°08'15	evening rise	13265 Sep 13 20:12	13° <b>≏</b> 51'27	
min. Earth dist.	13264 Nov 11 15:13	2° <b>∡</b> ³30′58	0.54544 AU		13265 Sep 22 06:29	$0^{\circ}$ M	
	13264 Nov 16 12:12	30°RML		evening max el	13265 Oct 01 02:43	12°M16'36	19°43'19
morning rise	13264 Nov 19 02:56	29°M03'09		desc. node	13265 Oct 09 21:45	17° <b>M</b> 12'15	
direct	13264 Nov 23 06:05	28°M26'36		retrograde	13265 Oct 11 03:12	17° <b>M</b> 16'35	
	13264 Nov 29 16:22	0° <b>∡</b>		evening set	13265 Oct 13 00:51	17° <b>M</b> 06'35	
morning max el	13264 Dec 06 06:14	4° <b>∡</b> °43′08	22°58'11	inferior conj	13265 Oct 21 20:20	13° <b>M</b> 03'49	
asc. node	13264 Dec 17 03:09	18° <b>∡</b> ¹40'56		minimum elong	13265 Oct 21 11:13	13°ML18'02	
	13264 Dec 23 11:36	ರ∘8		min. Earth dist.	13265 Oct 24 00:06	11°M43'12	0.55245 AU
morning set	13264 Dec 29 00:21	11° <b>る</b> 18'22		morning rise	13265 Oct 29 19:52	8°M45'43	
				direct	13265 Nov 03 19:56	7° <b>™</b> 50'24	
superior conj	13265 Jan 04 23:00	26° <b>る</b> 15'36	1°32'58	morning max el	13265 Nov 17 16:16	14°M43'32	24°46'47
minimum elong	13265 Jan 05 00:26	26° <b>る</b> 23'17	1°33'50		13265 Nov 29 17:01	0° <b>∡</b>	
	13265 Jan 06 17:08	0° <b>≈</b>		asc. node	13265 Dec 04 00:09	7° <b>∡</b> 12'45	
max. Earth dist.	13265 Jan 08 05:22	3° <b>≈</b> 10′23	1.33532 AU	morning set	13265 Dec 13 12:14	26° <b>∡</b> °02'31	
evening rise	13265 Jan 12 21:07	12° <b>≈</b> 37'18			13265 Dec 15 08:07	0°る	

superior conj	13265 Dec 20 07:10	10° <b>る</b> 54'26	1°37'59	minimum elong	13266 Dec 04 17:18	25° <b>∡</b> ³33'55	1°37'53
minimum elong	13265 Dec 20 07:30	10° <b>る</b> 56'17	1°38'59	max. Earth dist.	13266 Dec 05 12:17	27°×19'34	1.31480 AU
max. Earth dist.	13265 Dec 22 06:08	15° <b>る</b> 11'01	1.32257 AU		13266 Dec 06 17:13	0°ਰ	
evening rise	13265 Dec 27 15:05	26° <b>ප</b> 32'41		evening rise	13266 Dec 11 16:37	10° <b>ප්</b> 46'13	
C	13265 Dec 29 08:07	0° <b>≈</b>		Ü	13266 Dec 21 13:56	0° <b>≈</b>	
desc. node	13266 Jan 05 19:54	14° <b>≈</b> 05'10		desc. node	13266 Dec 23 16:47	3° <b>≈</b> 40'52	
	13266 Jan 15 16:31	0° <b>∀</b>		evening max el	13267 Jan 12 05:42	29° <b>≈</b> 57'39	27°19'33
evening max el	13266 Jan 29 22:08	17° <b>¥</b> 28'31	27°33'19		13267 Jan 12 06:41	0° <b>)</b> €	
retrograde	13266 Feb 12 17:43	24° <b>)</b> €53′27		retrograde	13267 Jan 26 04:37	7° <b>)</b> 15′00	
evening set	13266 Feb 19 15:20	22° <b>∺</b> 29'35		evening set	13267 Feb 02 01:26	5° <b>)</b> €07'12	
min. Earth dist.	13266 Feb 23 09:35	19° <b>¥</b> 20′17	0.63097 AU	min. Earth dist.	13267 Feb 05 20:14	2° <b>¥</b> 19′38	0.60977 AU
inferior conj	13266 Feb 26 05:13	16° <b>)</b> ₹33′03	-1°12'24	inferior conj	13267 Feb 08 23:10	29° <b>≈</b> 36′10	-2°31'43
minimum elong	13266 Feb 26 07:36	16° <b>∺</b> 27'08	1°11'04	minimum elong	13267 Feb 09 04:34	29° <b>≈</b> 24'22	2°29'01
asc. node	13266 Mar 01 21:58	13° <b>¥</b> 11'32			13267 Feb 08 12:21	30° <b>₹</b> ≈	
morning rise	13266 Mar 05 02:24	11° <b>)</b> € 20′27		morning rise	13267 Feb 16 10:45	24° <b>≈</b> 42'06	
direct	13266 Mar 07 10:35	10° <b>)</b> 54′21		asc. node	13267 Feb 16 19:23	24°≈36′24	
morning max el	13266 Mar 13 23:45	14° <b>)</b> € 15'00	17°46'25	direct	13267 Feb 18 13:28	24° <b>≈</b> 23'36	
	13266 Mar 24 23:34	0°Υ		morning max el	13267 Feb 25 15:48	27°≈57'36	17°54'24
morning set	13266 Mar 30 04:55	8° <b>Υ</b> 59'19			13267 Feb 27 12:45	0° <b>)</b> {	
desc. node	13266 Apr 03 21:54	17° <b>Y</b> ′06'38		morning set	13267 Mar 13 06:14	22° <b>)</b> (22'02	
	12266 4 11 11 11	2000040122	0056120		13267 Mar 17 11:11	0°Υ 7° <b>W</b> 20152	
superior conj	13266 Apr 11 11:11	29° <b>Y</b> 48'33 29° <b>Y</b> 25'10	-0°56'20 0°55'57	desc. node	13267 Mar 21 18:24	7° <b>Ƴ</b> 39'52	
minimum elong	13266 Apr 11 05:31	0° <b>8</b>	0.22.27	aumariar aani	13267 Mar 23 20:20	11° <b>Ƴ</b> 17'45	0016121
max. Earth dist.	13266 Apr 11 13:58 13266 Apr 17 16:36	9° <b>8</b> 54'03	1.44495 AU	superior conj minimum elong	13267 Mar 23 18:52	11° <b>Υ</b> 17'43	
evening rise	13266 Apr 26 14:17	23° <b>8</b> 50'06	1.444 <i>93</i> AU	max. Earth dist.	13267 Mar 31 06:35	23° <b>Y</b> '49'32	1.42879 AU
evening rise	13266 Apr 30 15:15	0°Ⅱ		max. Earth dist.	13267 Apr 04 02:01	0° <b>8</b>	1.42879 AU
	13266 May 21 17:34	0° <b>©</b>		evening rise	13267 Apr 06 11:26	3° <b>8</b> 47'55	
evening max el	13266 May 26 00:13	4°9549'36	20°48'26	evening rise	13267 Apr 24 00:03	0°Ⅱ	
asc. node	13266 May 28 18:53	7° <b>©</b> 18'49	20 .020	evening max el	13267 May 08 19:15	18° <b>∏</b> 38'29	22°03'21
retrograde	13266 Jun 03 08:02	9°539'20		asc. node	13267 May 15 16:05	23° <b>I</b> I40'54	22 03 21
evening set	13266 Jun 07 12:48	7°959'45		retrograde	13267 May 18 05:54	24° <b>Ⅱ</b> 11'28	
inferior conj	13266 Jun 12 18:53	1° <b>©</b> 50'39	3°11'25	evening set	13267 May 22 21:31	22° <b>I</b> 16'08	
minimum elong	13266 Jun 12 18:24	1° <b>©</b> 52'20	3°10'23	inferior conj	13267 May 28 04:08	15° <b>Ⅱ</b> 57'01	3°00'24
min. Earth dist.	13266 Jun 13 07:47	1°506'02	0.68472 AU	minimum elong	13267 May 28 02:47	16° <b>Ⅱ</b> 01'44	2°59'16
	13266 Jun 14 03:04	30°RⅡ		min. Earth dist.	13267 May 28 03:55	15° <b>Ⅱ</b> 57'46	0.68879 AU
morning rise	13266 Jun 17 23:45	25° <b>∏</b> 31′25		morning rise	13267 Jun 02 07:51	9° <b>Ⅱ</b> 43'37	
direct	13266 Jun 23 07:58	23° <b>Ⅱ</b> 10′28		direct	13267 Jun 07 03:19	7° <b>Ⅱ</b> 40'43	
desc. node	13266 Jun 30 22:36	26° <b>Ⅱ</b> 41′25		morning max el	13267 Jun 16 15:05	13° <b>Ⅱ</b> 15′12	22°12'14
morning max el	13266 Jul 04 02:58	29° <b>∏</b> 37′20	23°41'11	desc. node	13267 Jun 17 19:41	14° <b>Ⅱ</b> 29'18	
	13266 Jul 04 11:52	0			13267 Jun 30 01:01	0	
	13266 Jul 26 23:21	$0^{\circ}\Omega$		morning set	13267 Jul 19 18:46	29° <b>©</b> 50'05	
morning set	13266 Aug 08 04:55	19° <b>Ω</b> 39'52			13267 Jul 19 21:14	$0 {\circ} \Omega$	
max. Earth dist.	13266 Aug 12 02:11	26° <b>Ω</b> 21'52	1.38930 AU	max. Earth dist.	13267 Jul 25 02:00	8° <b>Ω</b> 32'54	1.41242 AU
	13266 Aug 14 03:26	0° <b>™</b>				_	
				superior conj	13267 Aug 01 21:20	22° <b>Ω</b> 00'33	
superior conj	13266 Aug 19 15:23	10° Mp 04'35		minimum elong	13267 Aug 02 03:20	22° <b>Ω</b> 27'13	1°20'51
minimum elong	13266 Aug 19 18:42	10° Mp 20'11	0°46'15	aga mada	13267 Aug 06 07:42	0°M)	
asc. node	13266 Aug 24 19:17 13266 Aug 28 18:52	19° Mp 56'56		asc. node	13267 Aug 11 15:55	9° Mp 53'19	
evening rise	13266 Aug 29 23:02	27° Mp 42'54 0° <u>₽</u>		evening rise	13267 Aug 12 07:19 13267 Aug 23 01:57	11°₯05'09 0°₽	
evening max el	13266 Sep 13 23:49	0 <b>=</b> 24° <b>Ω</b> 05'41	18°49'09	evening max el	13267 Aug 28 06:44	0 <b>=</b> 6° <b>Ω</b> 36'44	18°16'17
retrograde	13266 Sep 22 11:08	28° <b>£</b> 20'54	10 47 07	retrograde	13267 Sep 04 14:13	10° <b>⊆</b> 19'12	10 10 17
evening set	13266 Sep 24 08:30	28° <b>⊆</b> 08'59		evening set	13267 Sep 04 14:19	10° <b>⊆</b> 10'12	
desc. node	13266 Sep 26 19:14	27° <b>Ω</b> 20'58		desc. node	13267 Sep 13 16:43	5° <b>£</b> 42'26	
inferior conj	13266 Oct 02 13:05	23° <b>Ω</b> 48'40	-1°49'10	inferior conj	13267 Sep 14 03:38	5° <b>⊆</b> 19'31	-0°08'30
minimum elong	13266 Oct 02 08:31	23° <b>Ω</b> 56'54	1°47'02	minimum elong	13267 Sep 14 03:19	5° <b>Ω</b> 20'09	0°08'24
min. Earth dist.	13266 Oct 05 14:09	21° <b>Ω</b> 37'29	0.56762 AU	transit middle	13267 Sep 14 03:19	5° <b>Ω</b> 20'09	0°08'24
morning rise	13266 Oct 10 05:15	18° <b>≏</b> 53'50	-	transit begin	13267 Sep 14 00:22	5° <b>Ω</b> 26'24	
direct	13266 Oct 15 23:46	17° <b>≏</b> 33'26		transit end	13267 Sep 14 06:17	5° <b>≙</b> 13'54	
morning max el	13266 Oct 30 05:16	24° <b>≏</b> 55'40	26°22'19	min. Earth dist.	13267 Sep 17 11:08	2° <b>₽</b> 33'00	0.58816 AU
	13266 Nov 03 22:11	$0^{\circ}$ M		morning rise	13267 Sep 21 09:32	29° <b>m</b> 49'22	
asc. node	13266 Nov 20 21:01	26°M17'40			13267 Sep 21 02:05	30°R.Mp	
	13266 Nov 22 18:56	0° <b>≯</b>		direct	13267 Sep 27 17:40	28° <b>m</b> 01'18	
morning set	13266 Nov 27 22:53	10° <b>∡</b> ³39′23			13267 Oct 04 15:38	0∘ <b>⊽</b>	
				morning max el	13267 Oct 12 01:23	5° <b>≏</b> 44'23	27°28'47
superior conj	13266 Dec 04 18:02	25° <b>∡</b> °38′00	1°36'54		13267 Oct 30 02:17	0° <b>M</b>	

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asc. node	13267 Nov 07 17:47	15°M46'57		asc. node	13268 Oct 24 14:29	5°M32'49	
morning set	13267 Nov 12 06:34	25°M04'40		morning set	13268 Oct 26 09:21	9°M12'24	
	13267 Nov 14 13:31	0° <b>∡</b> ¹		max. Earth dist.	13268 Nov 01 03:51	21°M35'01	1.31470 AU
superior conj	13267 Nov 19 05:41	10° <b>∡</b> ¹20'43	1°29'58	superior conj	13268 Nov 02 16:14	24°M56'04	1°17'19
minimum elong	13267 Nov 19 04:05	10 <b>x</b> 2043	1°30'45	minimum elong	13268 Nov 02 10:14 13268 Nov 02 14:05	24°M44'05	1°17'49
max. Earth dist.	13267 Nov 18 20:49	9° <b>×</b> <sup>7</sup> 31'12	1.31215 AU	minimum clong	13268 Nov 04 22:59	0° <b>√</b>	1 1/49
evening rise	13267 Nov 25 23:22	25°×712'05	1.51215710	evening rise	13268 Nov 09 09:13	9° <b>х</b> 43'41	
evening rise	13267 Nov 28 05:56	0° <b>る</b>		evening rise	13268 Nov 19 14:56	0°중	
desc. node	13267 Dec 10 13:46	22° <b>ප්</b> 43'11		desc. node	13268 Nov 26 10:53	00 10° <b>ろ</b> 58'26	
desc. Hode	13267 Dec 15 10:16	0°≈		evening max el	13268 Dec 05 23:09	22° <b>ろ</b> 26'02	25°11'24
evening max el	13267 Dec 25 06:41	11° <b>≈</b> 38'18	26°31'04	retrograde	13268 Dec 19 18:52	29° <b>ට</b> 22'04	20 112.
retrograde	13268 Jan 08 05:39	18° <b>≈</b> 45'10		evening set	13268 Dec 25 12:52	28° <b>ට</b> 07'33	
evening set	13268 Jan 14 18:02	17° <b>≈</b> 01'18		min. Earth dist.	13268 Dec 30 11:11	25° <b>ට</b> 26'05	0.56835 AU
min. Earth dist.	13268 Jan 18 20:27	14° <b>≈</b> 24'31	0.58815 AU	inferior conj	13269 Jan 02 04:40	23° <b>ට</b> 38'21	
inferior conj	13268 Jan 22 00:00	12° <b>≈</b> 01'14		minimum elong	13269 Jan 02 12:58		5°05'41
minimum elong	13268 Jan 22 08:09	11° <b>≈</b> 45'44	3°51'04	morning rise	13269 Jan 10 15:24	19° <b>る</b> 27'27	
morning rise	13268 Jan 30 01:14	7° <b>≈</b> 28'09		direct	13269 Jan 12 20:57	19°る13'02	
direct	13268 Feb 01 02:16	7°≈13'33		asc. node	13269 Jan 20 14:03	22°る19'10	
asc. node	13268 Feb 03 16:44	7° <b>≈</b> 38'24		morning max el	13269 Jan 22 03:31	23° <b>る</b> 42'32	19°11'09
morning max el	13268 Feb 09 02:24	11° <b>≈</b> 10'41	18°21'58	•	13269 Jan 27 07:31	0° <b>≈</b>	
-	13268 Feb 21 12:21	0° <b>∀</b>		morning set	13269 Feb 07 21:53	20° <b>≈</b> 46′20	
morning set	13268 Feb 24 21:22	6° <b>)</b> 22′15		•	13269 Feb 12 13:17	0° <b>)</b>	
superior conj	13268 Mar 05 03:33	23° <b>) (</b> 47′44	0°19'44	superior conj	13269 Feb 16 04:21	7° <b>₩</b> 05'33	0°49'21
minimum elong	13268 Mar 05 04:58	23° <b>)</b> 54′13	0°19'43	minimum elong	13269 Feb 16 07:00	7° <b>∺</b> 18'19	0°49'26
desc. node	13268 Mar 07 14:55	28° <b>¥</b> 16′29		desc. node	13269 Feb 22 11:27	18° <b>)</b> 52'34	
	13268 Mar 08 14:08	$0^{\circ}\mathbf{\Upsilon}$		max. Earth dist.	13269 Feb 22 23:05	19° <b>)</b> 45′07	1.38594 AU
max. Earth dist.	13268 Mar 12 16:21	7° <b>Ƴ</b> 08'01	1.40839 AU	evening rise	13269 Feb 26 17:17	26° <b>)</b> 23′24	
evening rise	13268 Mar 17 03:47	14° <b>Y</b> 38'29			13269 Feb 28 19:54	$0^{\circ}$ $\Upsilon$	
	13268 Mar 26 21:19	$9^{\circ}$ 8			13269 Mar 20 11:00	$9^{\circ}$ 8	
	13268 Apr 18 01:49	$\Pi$ °0		evening max el	13269 Apr 03 00:20	16° <b>8</b> 22'00	24°43'29
evening max el	13268 Apr 20 10:39	2° <b>Ⅱ</b> 29'25	23°23'47	retrograde	13269 Apr 14 16:56	23° <b>8</b> 11'26	
retrograde	13268 May 01 01:13	8° <b>Ⅱ</b> 44'01		asc. node	13269 Apr 18 10:42	22° <b>8</b> 10'03	
asc. node	13268 May 01 13:21	8° <b>Ⅱ</b> 42'51		evening set	13269 Apr 20 07:50	20° <b>8</b> 49'55	
evening set	13268 May 06 04:23	6° <b>Ⅱ</b> 34'20		min. Earth dist.	13269 Apr 24 19:52	15° <b>8</b> 44'06	0.68288 AU
min. Earth dist.	13268 May 11 00:38	0° <b>Ⅱ</b> 52'20	0.68816 AU	inferior conj	13269 Apr 25 21:18	14° <b>8</b> 19'36	2°07'46
inferior conj	13268 May 11 13:33	0° <b>Ⅱ</b> 07'52	2°39'08	minimum elong	13269 Apr 25 19:08	14° <b>8</b> 26'47	2°06'30
minimum elong	13268 May 11 11:36	0° <b>Ⅱ</b> 14'34	2°37'53	morning rise	13269 May 01 06:38	8° <b>8</b> 22'02	
	13268 May 11 15:50	30°R <b>8</b>		direct	13269 May 05 01:08	7° <b>8</b> 00'35	10041125
morning rise	13268 May 16 18:46	24° <b>8</b> 01'47		morning max el	13269 May 12 09:08	11° <b>8</b> 04'27	19°41'25
direct	13268 May 21 01:30	22° <b>8</b> 19'25	20050122	desc. node	13269 May 21 13:32 13269 May 25 02:35	22° <b>8</b> 28'23	0.6
morning max el	13268 May 29 08:23	27° <b>8</b> 03'39 0° <b>I</b> I	20-30-33	greatest brilliancy	13269 May 25 02:35 13269 May 26 18:23	27° <b>႘</b> 33'41 0° <b>Ⅱ</b>	-0.6m
desc. node	13268 Jun 01 01:52 13268 Jun 03 16:40	о п 3°П09'38		morning set	13269 Jun 07 10:02	0 Ⅱ 17°Ⅱ37'42	
desc. node	13268 Jun 22 12:37	0°©		morning set	13269 Jun 15 09:34	17 <b>പ</b> 3742 0°ഇ	
morning set	13268 Jun 28 08:35	8°957'45		max. Earth dist.	13269 Jun 18 22:04		1.44807 AU
max. Earth dist.	13268 Jul 06 08:39	21°939'28	1.43282 AU	max. Earth dist.	13207 Juli 10 22.04	3 352 23	1.44607 AC
max. Dartii dist.	13268 Jul 11 10:39	0°Ω	1.43202 110	superior conj	13269 Jun 23 13:46	12°957'45	-2°10'16
	2_00000 11 10.07	- 00		minimum elong	13269 Jun 23 17:49	13°914'00	
superior conj	13268 Jul 13 05:26	2° <b>Ω</b> 58'58	-1°51'09	g	13269 Jul 03 23:04	0°Ω	2 11 10
minimum elong	13268 Jul 13 12:34	3° <b>Ω</b> 28'57		evening rise	13269 Jul 07 07:36	5° <b>Ω</b> 37'56	
evening rise	13268 Jul 25 05:13	23° <b>Ω</b> 47'15		asc. node	13269 Jul 15 09:20	19° <b>Ω</b> 07'32	
asc. node	13268 Jul 28 12:34	29° <b>Ω</b> 38'20			13269 Jul 22 17:01	0° m/	
	13268 Jul 28 17:30	0° <b>m</b> )		evening max el	13269 Jul 25 09:33	3° m 02'59	18°08'57
evening max el	13268 Aug 10 19:13	19° <b>m</b> ) 38'45	18°03'15	retrograde	13269 Jul 31 18:14	6° m 23'41	
retrograde	13268 Aug 17 10:05	23° <b>m</b> 03'11		evening set	13269 Aug 03 13:47	5° Mp 41'58	
evening set	13268 Aug 19 21:23	22° m/34'31		inferior conj	13269 Aug 09 16:43	0° <b>m</b> 22'39	2°08'09
inferior conj	13268 Aug 26 14:06	17° m 33'04	1°11'09	minimum elong	13269 Aug 09 19:15	0° m 15'42	
minimum elong	13268 Aug 26 16:05	17° <b>m</b> 28'16	1°10'08		13269 Aug 10 00:56	30°R <b>Ω</b>	
min. Earth dist.	13268 Aug 29 16:46	14° <b>m</b> 32'22	0.61094 AU	min. Earth dist.	13269 Aug 12 08:14	27° <b>Ω</b> 28'46	0.63320 AU
desc. node	13268 Aug 30 14:15	13° <b>m</b> 43'49		morning rise	13269 Aug 15 22:51	24° <b>Ω</b> 08'18	
morning rise	13268 Sep 02 08:01	11° <b>m</b> 35'47		desc. node	13269 Aug 17 11:46	23° <b>Ω</b> 06′00	
direct	13268 Sep 08 23:11	9° <b>™</b> 22'43		direct	13269 Aug 22 14:38	21° <b>Ω</b> 37′04	
morning max el	13268 Sep 23 04:48	17° <b>m</b> 19'19	27°57'33	morning max el	13269 Sep 05 13:30	29° <b>Ω</b> 38'41	27°47'46
	13268 Oct 03 17:58	0∘ <b>⊽</b>			13269 Sep 05 21:56	0° <b>m</b>	
	13268 Oct 21 19:16	0° <b>M</b>			13269 Sep 27 17:34	0∘ <b>⊽</b>	

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	13271 Aug 26 13:41	0° <b>m</b> )		desc. node	13272 Jul 08 03:51	4° <b>©</b> 18'49	
morning set	13271 Sep 06 11:11	18° m 50'31		morning max el	13272 Jul 13 21:32	9° <b>©</b> 10'36	24°32'31
max. Earth dist.	13271 Sep 10 04:44	~	1.35394 AU	. 8	13272 Jul 30 07:40	0°N	
	13271 Sep 12 07:57	0∘ <b>ಹ</b>			13272 Aug 18 04:48	0° m)	
asc. node	13271 Sep 15 04:22	5° <b>£</b> 40'38		morning set	13272 Aug 18 13:52	0° m/39'29	
use. Houe	15271 Sep 10 0 1.22	0 — 1000		max. Earth dist.	13272 Aug 22 04:08	7° <b>m</b> ) 03'04	1.37588 AU
superior conj	13271 Sep 15 20:51	7° <b>£</b> 04'02	0°06'30	max. Dartii dist.	19272 Hag 22 01.00	, mg 05 0 1	1.57500710
minimum elong	13271 Sep 15 20:29	7° <b>£</b> 02'08	0°06'26	superior conj	13272 Aug 29 04:28	20° m) 11'42	-0°26'21
behind sun begin	13271 Sep 15 14:51	6° <b>£</b> 33'36	0 00 20	minimum elong	13272 Aug 29 06:15	20° m/20'18	
behind sun end	13271 Sep 16 02:07	7° <b>ჲ</b> 30'44		asc. node	13272 Sep 01 00:56	25° m/ 46'30	0 2010
evening rise	13271 Sep 16 62:67	23° <b>⊆</b> 04'19		use. Houe	13272 Sep 03 04:00	0ಂ <del>ರ</del>	
e vennig 1190	13271 Sep 27 00:38	0°M		evening rise	13272 Sep 06 17:44	ა — 7° <b>ჲ</b> 08'35	
evening max el	13271 Oct 11 21:17	23°ML11'56	20°24'27	evening rise	13272 Sep 19 14:58	0° <b>M</b>	
desc. node	13271 Oct 18 02:50	27°M38'56	20 2 . 2 ,	evening max el	13272 Sep 23 11:00	4°M33'40	19°17'36
retrograde	13271 Oct 22 20:40	28°MJ39'12		retrograde	13272 Oct 02 18:30	9°M13'14	17 17 30
evening set	13271 Oct 25 00:16	28°M27'36		desc. node	13272 Oct 04 00:18	9°M08'34	
inferior conj	13271 Nov 02 23:45	24°M31'53	-4°36'17	evening set	13272 Oct 04 15:05	9°ML02'54	
minimum elong	13271 Nov 02 13:39	24°M46'38		inferior conj	13272 Oct 13 05:06	4°M53'20	-2°52'36
min. Earth dist.	13271 Nov 04 09:16		0.54726 AU	minimum elong	13272 Oct 12 21:42	5°M05'32	
morning rise	13271 Nov 11 02:28	20°M30'30	0.54720 AO	min. Earth dist.	13272 Oct 12 21:42 13272 Oct 15 19:47	3°M10'09	0.55808 AU
direct	13271 Nov 11 02:28	19°M46'27		morning rise	13272 Oct 13 17:47 13272 Oct 21 01:54	0°M20'38	0.55000 AC
morning max el	13271 Nov 29 01:04	26°M19'58	23011118	morning risc	13272 Oct 21 01:34 13272 Oct 22 00:32	ე 11 <b>0</b> 20 ემ	
morning max ci	13271 Dec 02 12:54	20 llG1938	23 44 46	direct	13272 Oct 22 00:32 13272 Oct 26 10:30	29° <b>₽</b> 15'16	
asc. node	13271 Dec 02 12:34 13271 Dec 12 05:32	13° <b>∡</b> 749′24		direct	13272 Oct 20 10:30 13272 Oct 30 20:09	0°M	
asc. Houc	13271 Dec 12 03:32 13271 Dec 20 18:24	13 × 49 24		morning max el	13272 Nov 09 11:22	6°M20'55	25°30'08
morning set	13271 Dec 20 18:24 13271 Dec 23 02:35	4° <b>る</b> 55'54		morning max ci	13272 Nov 26 15:43	0° <b>1</b> 7	23 30 08
morning set	132/1 Dec 23 02.33	4 033 34		asc. node	13272 Nov 28 02:28	2° <b>∡</b> ¹36'44	
superior conj	13271 Dec 29 23:10	19° <b>る</b> 49'41	1°35'51	morning set	13272 Nov 28 02.28 13272 Dec 06 14:08	19° <b>х</b> 30′44	
minimum elong	13271 Dec 29 23.10 13271 Dec 30 00:08	19 <b>3</b> 4941		morning set	13272 Dec 06 14:08 13272 Dec 11 07:48	19 x·3/20	
max. Earth dist.	13272 Jan 01 15:35	19 <b>3</b> 3439 25° <b>る</b> 35'54	1.32928 AU		132/2 Dec 11 07.46	0.0	
max. Earm dist.	13272 Jan 01 13.33	23 <b>⊘</b> 33 34 0° <b>≈</b>	1.32928 AU	aumarian aani	12272 Dec. 12 09:42	4° <b>る</b> 30'55	1°38'14
evening rise	13272 Jan 06 14:36	0 ∞ 5°≈51'15		superior conj minimum elong	13272 Dec 13 08:42 13272 Dec 13 08:34	4°る30'33	
desc. node	13272 Jan 00 14:30	19°≈58'34		max. Earth dist.	13272 Dec 13 08:34 13272 Dec 14 19:11	4 <b>3</b> 3012 7° <b>る</b> 41'15	1.31869 AU
desc. node	13272 Jan 14 01:22 13272 Jan 19 22:32	0° <b>\</b>		evening rise	13272 Dec 14 13:11 13272 Dec 20 12:06	7 341 13	1.31809 AO
evening max el	13272 Feb 09 16:32	27° <b>₩</b> 21'08	27026120	evening rise	13272 Dec 25 13:17	0°≈	
evening max er	13272 Feb 12 16:12	27 <b>γ</b> 2108	27 20 30	desc. node	13272 Dec 23 13.17 13272 Dec 30 22:11	0 <b>≈</b> 9° <b>≈</b> 49'04	
retrograde	13272 Feb 23 08:42	4° <b>Υ</b> 47'50		desc. Hode	13273 Jan 13 03:22	0° <b>)</b>	
evening set	13272 Mar 01 03:51	2° <b>Υ</b> 19'03		evening max el	13273 Jan 22 02:54	0 X 10° <b>X</b> 14'10	27921120
evening set	13272 Mar 03 20:57	2 1 1903 30°R <b>∺</b>		retrograde	13273 Feb 05 00:00	17° <b>)</b> 35'22	27 31 39
min. Earth dist.	13272 Mar 04 23:41	28° <b>∺</b> 53′29	0.64225 AU	evening set	13273 Feb 03 00:00 13273 Feb 11 22:10	17 <b>X</b> 33 22	
inferior conj	13272 Mar 07 13:17	26° <del>X</del> 10'55		min. Earth dist.	13273 Feb 11 22:10 13273 Feb 15 16:13		0.62217 AU
minimum elong	13272 Mar 07 14:13	26° <b>₩</b> 08'25	0°30'06	inferior conj	13273 Feb 18 15:26	9° <b>X</b> 31'18	
asc. node	13272 Mar 09 03:04	24°\(\frac{1}{33}\)'08	0 30 00	minimum elong	13273 Feb 18 19:02	9° <b>₩</b> 22'48	1°43'12
morning rise	13272 Mar 14 02:39	20°\(\frac{1}{4}\)8'32		asc. node	13273 Feb 18 19:02 13273 Feb 24 00:30	5° <b>¥</b> 13'17	1 43 12
direct	13272 Mar 16 15:05	20° <del>X</del> 16'22		morning rise	13273 Feb 25 18:38	4° <b>¥</b> 25'59	
morning max el	13272 Mar 23 00:26	23° <del>)(</del> 34'14	17°50'00	direct	13273 Feb 28 00:17	4° <b>∺</b> 03′26	
morning max ci	13272 Mar 28 05:25	25 <b>γ</b> (3414	17 30 00	morning max el	13273 Mar 06 17:50	7° <b>∺</b> 28'18	17°47'31
morning set	13272 Apr 08 23:32	19° <b>Y</b> ′02'32		morning max ci	13273 Mar 21 12:05	0° <b>Υ</b>	17 47 31
desc. node	13272 Apr 11 03:30	22° <b>Υ</b> 41'07		morning set	13273 Mar 22 14:22	1° <b>Υ</b> 56'15	
dese. Hode	13272 Apr 15 12:45	0°8		desc. node	13273 Mar 29 00:01	13° <b>Υ</b> 10'46	
	13272 Apr 13 12.43	00		ucsc. Houc	132/3 Wai 29 00.01	13 1 10 40	
superior conj	13272 Apr 22 07:29	11° <b>8</b> 03'59	-1°19'08	superior conj	13273 Apr 03 02:35	21° <b>Y</b> ′54'08	-0°39'09
minimum elong	13272 Apr 21 23:31	10° <b>8</b> 31'57		minimum elong	13273 Apr 03 02:33 13273 Apr 02 22:48	21° <b>Υ</b> 38'10	
max. Earth dist.	13272 Apr 27 06:58		1.45172 AU	minimum ciong	13273 Apr 07 23:54	0°8	0 3031
max. Latin dist.	13272 Apr 27 00:38 13272 May 04 08:04	0° <b>I</b>	1.43172 AU	max. Earth dist.	13273 Apr 07 23:34 13273 Apr 10 00:02	3° <b>8</b> 15'12	1.43877 AU
evening rise	13272 May 04 08:04 13272 May 08 01:34	5° <b>Ⅱ</b> 44'06		evening rise	13273 Apr 10 00:02 13273 Apr 17 15:25	15° <b>8</b> 19'45	1.436// AU
greatest brilliancy	13272 May 08 01:34 13272 May 22 20:22	27° <b>I</b> 53'48	-0.6m	evening rise	13273 Apr 17 13:23 13273 Apr 27 07:50	0°Ⅱ	
greatest offinality	13272 May 24 07:25	0°9	-0.0111	avaning may al		28° <b>Ⅱ</b> 03'10	21910/15
evening max el	13272 May 24 07:23 13272 Jun 04 11:42	<sup>0-</sup> ତ 14°9514'36	20°10'01	evening max el	13273 May 18 09:41 13273 May 20 11:52	28°Щ03°10 0°©	41 1713
asc. node	13272 Jun 04 11:42 13272 Jun 05 00:12	14°945'18	20 1001	asc. node	•	1°9546'01	
retrograde	13272 Jun 03 00:12 13272 Jun 12 05:40	18°940'32		retrograde	13273 May 22 21:19 13273 May 27 04:20	3°510'40	
evening set	13272 Jun 12 03.40 13272 Jun 16 04:39	17°910'24		evening set	13273 May 27 04.20 13273 May 31 13:45	1°9524'01	
inferior conj	13272 Jun 16 04:39 13272 Jun 21 11:32	11°908'15	3°12'50	evening set	13273 Jun 02 01:13	1°€024'01 30°R <b>I</b> I	
minimum elong	13272 Jun 21 11:37	11 908 13 11°907'57	3°11'48	inferior conj	13273 Jun 02 01:13	30 KII 25°II10′22	3°08'02
min. Earth dist.	13272 Jun 21 11.37 13272 Jun 22 08:17	9°957'38	0.68034 AU	minimum elong	13273 Jun 05 19.47 13273 Jun 05 18:54	25° <b>I</b> 10'22	3°06'57
morning rise	13272 Jun 26 18:16	4°946'42	0.000J7 AU	min. Earth dist.	13273 Jun 06 02:57	23 <b>H</b> 13 23 24° <b>H</b> 45'24	0.68708 AU
direct	13272 Jul 20 18:10 13272 Jul 02 09:42	4 \$34642 2°\$17'19		morning rise	13273 Jun 10 02:57	18° <b>Ⅱ</b> 53'41	0.00700 AU
anoct	15272 Jul 02 09.42	2 -21/17		morning 1150	13273 Juli 10 23.32	10 113341	

direct	13273 Jun 16 02:42	16° <b>Ⅱ</b> 40'10		direct	13274 May 30 23:18	1° <b>Ⅱ</b> 15'08	
desc. node	13273 Jun 25 01:00	21° <b>I</b> I28'29		morning max el	13274 Jun 08 22:28	6° <b>Ⅱ</b> 27'42	21°36'18
morning max el	13273 Jun 26 08:18	22° <b>I</b> I44'30	23°02'56	desc. node	13274 Jun 11 22:01	9° <b>I</b> I41'05	21 30 10
<i>y</i>	13273 Jul 02 16:46	0ಂತಾ			13274 Jun 27 00:00	0ಂತಾ	
	13273 Jul 23 15:26	$0^{\circ}\Omega$		morning set	13274 Jul 10 21:21	21° <b>©</b> 10'45	
morning set	13273 Jul 30 18:09	11° <b>£</b> 28′00			13274 Jul 16 08:44	$0^{\circ}\Omega$	
max. Earth dist.	13273 Aug 04 02:29	18° <b>Ω</b> 48′08	1.39935 AU	max. Earth dist.	13274 Jul 17 05:02	1° <b>£</b> 23′25	1.42161 AU
	13273 Aug 10 10:43	0° <b>m</b>					
				superior conj	13274 Jul 24 18:08	14° <b>Ω</b> 08'42	-1°34'40
superior conj	13273 Aug 11 21:01	2°M/36'21	-1°01'16	minimum elong	13274 Jul 25 00:58	14° <b>Ω</b> 38'19	1°34'40
minimum elong	13273 Aug 12 01:32	2° Mp 57'04	1°01'06		13274 Aug 02 15:42	0° <b>m</b>	
asc. node	13273 Aug 18 21:30	15° <b>m</b> 47'18		evening rise	13274 Aug 04 19:28	3° Mp 56'00	
evening rise	13273 Aug 21 12:32	20° Mp 48'58		asc. node	13274 Aug 05 18:09	5° <b>m</b> 39'30	
	13273 Aug 26 09:23	0∘ <b>⊽</b>		evening max el	13274 Aug 20 22:26	29° <b>m</b> 26'17	18°08'18
evening max el	13273 Sep 06 12:43	16° <b>£</b> 41'11	18°32'35		13274 Aug 21 12:34	0° <b>⊽</b>	
retrograde	13273 Sep 14 10:56	20° <b>£</b> 41'06		retrograde	13274 Aug 27 21:43	2° <b>£</b> 59'37	
evening set	13273 Sep 16 10:25	20° <b>Ω</b> 26'55 18° <b>Ω</b> 24'12		evening set	13274 Aug 30 04:15	2° <b>△</b> 37'23	
desc. node inferior conj	13273 Sep 20 21:48 13273 Sep 24 07:06	18° <b>2</b> 24°12 15° <b>2</b> 57'21	1004'16	inforior aoni	13274 Sep 03 16:39 13274 Sep 06 06:35	30°RM) 27°m√7'21	0°28'06
minimum elong	13273 Sep 24 07:06 13273 Sep 24 04:33	15 <b>≗</b> 3721 16° <b>₽</b> 02'17		inferior conj minimum elong	13274 Sep 06 06:33 13274 Sep 06 07:29	27° Mp 47'21 27° Mp 45'19	0°27'36
min. Earth dist.	13273 Sep 27 04:33	13° <b>⊆</b> 29'05	0.57589 AU	desc. node	13274 Sep 00 07:29	26° <b>m</b> ) 24'09	0 27 30
morning rise	13273 Oct 01 19:13	10° <b>£</b> 46'45	0.57507710	min. Earth dist.	13274 Sep 07 13:17	24° <b>m</b> <sub>2</sub> 51'51	0.59777 AU
direct	13273 Oct 07 19:13	9° <b>£</b> 14'58		morning rise	13274 Sep 13 07:25	22° Mp 04'01	0.57777110
morning max el	13273 Oct 22 03:19	16° <b>£</b> 46'35	26°54'57	direct	13274 Sep 19 19:12	20° Mp 04'37	
C	13273 Nov 02 00:34	0° <b>M</b> .		morning max el	13274 Oct 04 02:56	27° m 55'13	27°45'48
asc. node	13273 Nov 14 23:18	21°M52'48			13274 Oct 06 03:24	0∘ <b>⊽</b>	
	13273 Nov 19 00:20	0° <b>∡</b> ¹			13274 Oct 26 18:52	0° <b>M</b>	
morning set	13273 Nov 20 23:44	4° <b>∡</b> ¹09'45		asc. node	13274 Nov 01 20:03	11°M29'40	
				morning set	13274 Nov 05 05:36	18°ML28'04	
superior conj	13273 Nov 27 20:06	19° <b>∡</b> 14'18	1°34'39		13274 Nov 10 13:23	0° <b>∡</b> ¹	
minimum elong	13273 Nov 27 18:58	19° <b>∡</b> 07'58	1°35'35	max. Earth dist.	13274 Nov 11 11:11	2° <b>∡</b> 01'02	1.31254 AU
max. Earth dist.	13273 Nov 28 02:55		1.31305 AU				
	13273 Dec 02 16:50	0°₹		superior conj	13274 Nov 12 07:31	3° <b>∡</b> 754'17	
evening rise	13273 Dec 04 16:06	4°る14'02		minimum elong	13274 Nov 12 05:38	3° <b>∡</b> ¹43'45	1°25'58
desc. node	13273 Dec 17 19:08	29° <b>る</b> 11'51		evening rise	13274 Nov 19 00:23	18° <b>∡</b> 742′24	
	13273 Dec 18 06:47	0°≈ 22°≈ •22'51	27902104	1 1-	13274 Nov 24 11:30	0° <b>궁</b> 17° <b>궁</b> 55'49	
evening max el	13274 Jan 04 07:50 13274 Jan 18 06:45	22°≈22'51 29°≈35'53	27°03'04	desc. node	13274 Dec 04 16:11 13274 Dec 13 16:32	0°≈	
retrograde evening set	13274 Jan 18 00.43	29 ≈33 33 27°≈37'02		evening max el	13274 Dec 13 16.32 13274 Dec 17 05:01	0 ≈ 3°≈39'32	26°00'28
min. Earth dist.	13274 Jan 28 22:07		0.60050 AU	retrograde	13274 Dec 31 03:24	10°≈42'55	20 00 20
inferior conj	13274 Feb 01 02:31	22°≈19'01		evening set	13275 Jan 06 09:14	9°≈10'54	
minimum elong	13274 Feb 01 09:12		3°03'50	min. Earth dist.	13275 Jan 10 18:02	6° <b>≈</b> 34'18	0.57925 AU
morning rise	13274 Feb 08 20:11	17° <b>≈</b> 33'55		inferior conj	13275 Jan 13 19:00	4° <b>≈</b> 24'05	
direct	13274 Feb 10 21:43	17° <b>≈</b> 17′28		minimum elong	13275 Jan 14 03:43	4° <b>≈</b> 08'29	4°24'45
asc. node	13274 Feb 10 21:54	17° <b>≈</b> 17′28		morning rise	13275 Jan 22 01:04	0° <b>≈</b> 00'52	
morning max el	13274 Feb 18 08:04	20° <b>≈</b> 59'42	18°03'44		13275 Jan 22 02:40	30°Rる	
	13274 Feb 25 03:08	0° <b>∀</b>		direct	13275 Jan 24 02:57	29° <b>る</b> 46'57	
morning set	13274 Mar 05 22:11	15° <b>)</b> 36′44			13275 Jan 26 02:07	0° <b>≈</b>	
	13274 Mar 13 17:57	$0$ ° $\Upsilon$		asc. node	13275 Jan 28 19:16	1° <b>≈</b> 02'05	
	1005137 15 01 10	200051104	0000100	morning max el	13275 Feb 01 15:14	3°≈56'53	18°40'15
superior conj	13274 Mar 15 21:40	3°Υ51'04		morning set	13275 Feb 17 17:46	29°≈48'03	
minimum elong	13274 Mar 15 21:39	3° <b>Υ</b> 50'59 3° <b>Υ</b> 16'22	0°00'20		13275 Feb 17 20:14	0° <b>ℋ</b>	
behind sun begin behind sun end	13274 Mar 15 13:51 13274 Mar 16 05:26	4° <b>Υ</b> 25'30		superior conj	13275 Feb 26 12:58	16° <b>¥</b> 42'59	0°33'08
desc. node	13274 Mar 15 03:20 13274 Mar 15 20:31	3° <b>Υ</b> 46'00		minimum elong	13275 Feb 26 15:05	16° <del>X</del> 52'54	0°33'08
max. Earth dist.	13274 Mar 23 12:22	16° <b>Υ</b> 56'46	1.42044 AU	desc. node	13275 Mar 02 17:03	24° <del>)(</del> 22'44	0 33 08
evening rise	13274 Mar 28 20:04	25° <b>Υ</b> 38'38	1.42044 710	dese. Hode	13275 Mar 05 21:06	0°Υ	
	13274 Mar 31 13:59	0°8		max. Earth dist.	13275 Mar 05 20:02	29° <b>\</b> 55'17	1.39884 AU
	13274 Apr 21 03:38	0°II		evening rise	13275 Mar 09 21:28	6°Υ52'29	
evening max el	13274 May 01 02:49	11° <b>Ⅱ</b> 52'40	22°37'09	<b>5</b>	13275 Mar 24 15:05	0°8	
asc. node	13274 May 09 18:33	17° <b>Ⅱ</b> 36'44		evening max el	13275 Apr 13 17:09	25° <b>8</b> 43'55	23°58'12
retrograde	13274 May 11 01:24	17° <b>Ⅱ</b> 44′21			13275 Apr 18 17:44	$\Pi^{\circ}$	
evening set	13274 May 15 21:55	15° <b>Ⅱ</b> 42′27		retrograde	13275 Apr 24 19:31	2° <b>Ⅱ</b> 15'14	
inferior conj	13274 May 21 05:21	9° <b>Ⅱ</b> 19'36	2°52'38	asc. node	13275 Apr 26 15:53	1° <b>Ⅱ</b> 59'49	
minimum elong	13274 May 21 03:43	9° <b>Ⅱ</b> 25'19		evening set	13275 Apr 30 03:33	0°Ⅲ00′13	
min. Earth dist.	13274 May 20 23:37	9° <b>Ⅱ</b> 39'35	0.68907 AU		13275 Apr 30 03:39	30° <b>₹</b> 8	
morning rise	13274 May 26 09:24	3° <b>Ⅱ</b> 09'12		min. Earth dist.	13275 May 04 20:05	24° <b>8</b> 33'27	0.68640 AU

inferior conj	13275 May 05 14:19	23° <b>8</b> 31'22	2°27'05	morning rise	13276 Apr 24 08:38	1° <b>8</b> 47'57	
minimum elong	13275 May 05 12:14	23° <b>8</b> 38'28	2°25'49	direct	13276 Apr 27 22:13	0° <b>8</b> 34'52	
morning rise	13275 May 10 20:57	17° <b>8</b> 28'32	2 23 47	morning max el	13276 May 04 22:40	4° <b>8</b> 25'30	19°16'27
direct	13275 May 14 22:19	15° <b>8</b> 55'12		desc. node	13276 May 15 15:45	18° <b>8</b> 10'09	19 1027
morning max el	13275 May 22 18:48	20° <b>8</b> 21'21	20°19'23	greatest brilliancy	13276 May 17 18:03	21° <b>8</b> 15'14	-0.7m
desc. node	13275 May 29 18:56	28° <b>8</b> 39'03	20 19 29	greatest stilliane)	13276 May 23 13:13	0°II	0.711
dese. node	13275 May 30 19:09	0°II		morning set	13276 May 29 06:06	8° <b>I</b> I44'50	
morning set	13275 Jun 20 03:44	0°500'20		max. Earth dist.	13276 Jun 11 05:30	28° <b>I</b> 55'11	1.45261 AU
	13275 Jun 20 03:39	0°ಅ			13276 Jun 11 21:58	0°ಅ	
max. Earth dist.	13275 Jun 29 14:07	14°5549'04	1.44002 AU				
				superior conj	13276 Jun 14 15:14	4°917'46	-2°13'20
superior conj	13275 Jul 05 16:09	24°5541'33	-2°01'02	minimum elong	13276 Jun 14 16:25	4°9522'27	2°14'21
minimum elong	13275 Jul 05 22:37	25°508'10	2°01'35	evening rise	13276 Jun 29 02:12	27°542'06	
-	13275 Jul 08 20:54	$0^{\circ}\Omega$			13276 Jun 30 11:37	$0^{\circ}\Omega$	
evening rise	13275 Jul 18 09:42	16° <b>Ω</b> 17'36		asc. node	13276 Jul 09 11:41	14° <b>Ω</b> 38'47	
asc. node	13275 Jul 23 14:53	25° <b>Ω</b> 18'34		evening max el	13276 Jul 18 02:25	26° <b>Ω</b> 10'34	18°16'57
	13275 Jul 26 09:47	0° <b>m</b>		retrograde	13276 Jul 24 11:10	29° <b>£</b> 33′22	
evening max el	13275 Aug 04 12:12	12° <b>m</b> 39'19	18°03'27	evening set	13276 Jul 27 10:25	28° <b>Ω</b> 45'18	
retrograde	13275 Aug 10 23:15	16°M/00'19		inferior conj	13276 Aug 02 08:38	23° <b>Ω</b> 19'11	2°26'05
evening set	13275 Aug 13 14:01	15° <b>m</b> 26'29		minimum elong	13276 Aug 02 11:03	23° <b>Ω</b> 12'15	2°24'49
inferior conj	13275 Aug 20 00:27	10° <b>m</b> 17'30	1°37'54	min. Earth dist.	13276 Aug 04 18:26	20° <b>Ω</b> 33'53	0.64203 AU
minimum elong	13275 Aug 20 02:50	10° Mp 11'23	1°36'43	morning rise	13276 Aug 08 10:13	17° <b>Ω</b> 00'47	
min. Earth dist.	13275 Aug 22 23:04	7° <b>m</b> 16′59	0.62064 AU	desc. node	13276 Aug 11 14:18	15° <b>Ω</b> 05'52	
desc. node	13275 Aug 25 16:49	4° <b>™</b> 49'57		direct	13276 Aug 15 00:47	14° <b>£</b> 24'31	
morning rise	13275 Aug 26 13:14	4° <b>m</b> ) 11'45		morning max el	13276 Aug 28 18:35	22° <b>Ω</b> 24′02	27°33'01
direct	13275 Sep 02 05:34	1° <b>m</b> 49'31			13276 Sep 04 11:10	0° <b>m</b> )	
morning max el	13275 Sep 16 08:51	9° <b>m</b> 50'00	27°57'46		13276 Sep 24 07:38	0∘ <b>⊽</b>	
	13275 Oct 02 01:48	0∘ <b>⊽</b>		morning set	13276 Oct 02 21:32	16° <b>≏</b> 00'34	
	13275 Oct 19 00:43	$0^{\circ}$ M		asc. node	13276 Oct 05 13:24	21° <b>≏</b> 21'44	
asc. node	13275 Oct 19 16:46	1°M21'16		max. Earth dist.	13276 Oct 07 14:24	25° <b>≏</b> 35'07	1.32756 AU
morning set	13275 Oct 20 05:43	2°M27'23			13276 Oct 09 16:34	$0^{\circ}$ M.	
max. Earth dist.	13275 Oct 25 16:14	13°M58'08	1.31734 AU				
				superior conj	13276 Oct 10 22:48	2°M41'52	0°49'38
superior conj	13275 Oct 27 17:08	18°M25'44	1°10'16	minimum elong	13276 Oct 10 20:42	2°M30'36	0°49'42
minimum elong	13275 Oct 27 14:52	18°ML13'18	1°10'37	evening rise	13276 Oct 17 22:13	17° <b>M</b> 47'07	
	13275 Nov 01 23:05	0° <b>∡</b> ¹			13276 Oct 23 21:04	0° <b>∡</b> ¹	
evening rise	13275 Nov 03 11:05	3° <b>∡</b> 15′27		desc. node	13276 Nov 07 10:37	22° <b>∡</b> ¹22'45	
	13275 Nov 17 14:30	0°₹		evening max el	13276 Nov 09 04:29	24° <b>∡</b> 10′39	22°48'51
desc. node	13275 Nov 21 13:21	5° <b>ප</b> 46'25			13276 Nov 18 01:54	0°ਰ	
evening max el	13275 Nov 28 18:24	14°る08'42	24°30'48	retrograde	13276 Nov 22 06:39	0°る40'34	
retrograde	13275 Dec 12 11:39	20°る59'24		evening set	13276 Nov 26 04:36	0°る07'13	
evening set	13275 Dec 17 17:57	19°る58'21	0.56110.477	t water	13276 Nov 26 14:35	30°₹ <b>⋌</b> 7	0.54003.444
min. Earth dist.	13275 Dec 23 06:06	17°る08'48	0.56110 AU	min. Earth dist.	13276 Dec 03 13:08	26° <b>₹</b> 46'10	0.54893 AU
inferior conj	13275 Dec 25 14:52	15°る40'11		inferior conj	13276 Dec 04 15:58	26° ₹ 08'00	
minimum elong	13275 Dec 25 21:40	15° <b>る</b> 29'32	5*30*12	minimum elong	13276 Dec 04 15:15	26° ₹ 09'02	5,22,01
morning rise	13276 Jan 03 03:25	11° <b>る</b> 37'35		morning rise	13276 Dec 13 03:17	22° 🖈 19'32	
direct	13276 Jan 05 13:08	11° <b>る</b> 22'03	10920100	direct	13276 Dec 16 05:41	21° <b>х</b> 57'19 27° <b>х</b> 25'48	21900/54
morning max el	13276 Jan 15 11:14 13276 Jan 15 16:33	16°る08'36 16°る21'35	19°39'00	morning max el	13276 Dec 27 16:58 13276 Dec 30 03:47	2/* <b>x</b> ・2548	21°00'54
asc. node	13276 Jan 13 10:33	10 <b>⊘</b> 21 33		asc. node	13277 Jan 01 13:47	0 3 2° <b>る</b> 59'17	
morning sot		0 ≈ 14°≈19'18				2 03917 29° <b>る</b> 01'17	
morning set	13276 Feb 01 21:16	14 2 19 18		morning set	13277 Jan 16 05:44 13277 Jan 16 17:02	29 <b>3</b> 01 17 0° <b>≈</b>	
superior conj	13276 Feb 09 19:52	0° <b>₩</b> 17'11	0°59'45		132// Jan 10 17.02	0 ~	
minimum elong	13276 Feb 09 19:32 13276 Feb 09 22:39	0° <del>X</del> 30'53	0°59'56	superior conj	13277 Jan 23 14:09	14° <b>≈</b> 21'30	1°19'10
minimum ciong	13276 Feb 09 22:39 13276 Feb 09 16:23	0° <b>X</b> 3033	0 39 30	minimum elong	13277 Jan 23 16:37	14 ≈21 30 14°≈34'09	1°19'40
max. Earth dist.	13276 Feb 16 02:17	12° <b>¥</b> 15'41	1.37641 AU	max. Earth dist.	13277 Jan 28 11:42	24°≈12'53	1.35537 AU
desc. node	13276 Feb 17 13:37	14° <b>)</b> 57'35	1.37041 AU	max. Earth dist.	13277 Jan 28 11:42 13277 Jan 31 11:49	0° <b>∺</b>	1.33337 AU
evening rise	13276 Feb 19 19:33	18° <b>\</b> 59'24		evening rise	13277 Feb 01 11:17	1° <b>∺</b> 50'06	
- 1 - 11111	13276 Feb 26 06:26	16 <b>γ</b> (3924		desc. node	13277 Feb 01 11:17 13277 Feb 03 10:14	5° <b>¥</b> 26′22	
	13276 Mar 17 19:39	0°8			13277 Feb 18 07:33	0°Υ	
evening max el	13276 Mar 26 06:45	9° <b>8</b> 36'38	25°15'32	evening max el	13277 Mar 08 20:30	23° <b>Υ</b> 25'40	26°21'52
retrograde	13276 Apr 07 09:21	16° <b>8</b> 37'37			13277 Mar 18 00:59	0°8	
asc. node	13276 Apr 12 13:17	14° <b>8</b> 43'56		retrograde	13277 Mar 18 00:37 13277 Mar 21 18:04	0° <b>8</b> 44'51	
evening set	13276 Apr 13 05:03	14° <b>8</b> 12'25			13277 Mar 21 18:04 13277 Mar 25 05:10	30°RΥ	
min. Earth dist.	13276 Apr 17 14:09	9° <b>8</b> 21'28	0.67929 AU	evening set	13277 Mar 28 00:41	28° <b>Υ</b> 13'30	
inferior conj	13276 Apr 18 20:46	7° <b>8</b> 41'51	1°51'20	asc. node	13277 Mar 30 10:43	25° <b>Υ</b> 54'42	
minimum elong	13276 Apr 18 18:40	7° <b>8</b> 48'43	1°50'09	min. Earth dist.	13277 Apr 01 03:36	23° <b>Y</b> 57'36	0.66790 AU
3,0,0,0	r	. 🔾 .0 .5	*-		-rr		

	12277 4 02 22 20	21° <b>Y</b> '46'32	1004150	•	12270 14 17 00 10	6° <b>Ƴ</b> 05'59	
inferior conj	13277 Apr 02 22:38		1°04'58	asc. node	13278 Mar 17 08:10		0005101
minimum elong	13277 Apr 02 21:06	21° <b>Y</b> 51'13	1°04'08	inferior conj	13278 Mar 17 17:32	5° <b>Υ</b> 39'39	0°07'31
morning rise	13277 Apr 08 18:25	16° <b>℃</b> 03′21		minimum elong	13278 Mar 17 17:19	5° <b>Y</b> 40'15	0°07'25
direct	13277 Apr 11 21:13	15° <b>Y</b> ′08'35		transit middle	13278 Mar 17 17:19	5° <b>Y</b> 40'15	0°07'25
morning max el	13277 Apr 18 09:31	18° <b>Ƴ</b> 36'45	18°29'36	transit begin	13278 Mar 17 14:39	5° <b>Ƴ</b> 47'45	
	13277 Apr 27 05:34	$_{0\circ}$ 8		transit end	13278 Mar 17 19:59	5° <b>Ƴ</b> 32'46	
desc. node	13277 May 02 12:28	8° <b>8</b> 05'30		morning rise	13278 Mar 23 23:49	0° <b>Ƴ</b> 09'13	
morning set	13277 May 09 01:58	18° <b>8</b> 24'39			13278 Mar 24 08:03	30°₽ <b>)</b>	
	13277 May 16 10:48	$\Pi^{\circ}0$		direct	13278 Mar 26 17:02	29° <b>∺</b> 29'53	
					13278 Mar 29 02:28	$0^{\circ}\mathbf{\Upsilon}$	
superior conj	13277 May 25 00:02	13° <b>Ⅲ</b> 22'22	-2°06'03	morning max el	13278 Apr 02 01:15	2° <b>Y</b> '48'09	17°59'33
minimum elong	13277 May 24 17:40	12° <b>Ⅱ</b> 57'30	2°06'42	desc. node	13278 Apr 19 09:06	28° <b>Y</b> ′18′03	
max. Earth dist.	13277 May 25 00:56	13° <b>Ⅱ</b> 25'52	1.45810 AU	morning set	13278 Apr 20 01:46	29° <b>Y</b> ′26'26	
	13277 Jun 04 14:55	0ಂಣ 			13278 Apr 20 09:57	0°8	
evening rise	13277 Jun 09 18:11	8°905'50			13270 11p1 20 03.57	Ů	
greatest brilliancy	13277 Jun 18 13:22	21°957'29	-0.8m	superior conj	13278 May 04 11:27	22° <b>8</b> 40'33	-1°30'57
greatest orimaney	13277 Jun 23 20:28	0°Ω	-0.0111	minimum elong	13278 May 04 02:18	22° <b>8</b> 04'23	
1				_			
asc. node	13277 Jun 26 08:34	3° <b>Ω</b> 33′28	10040102	max. Earth dist.	13278 May 07 21:05	28° <b>8</b> 01'43	1.45609 AU
evening max el	13277 Jul 01 14:08	9° <b>£</b> 52'32	18°48'03		13278 May 09 03:19	0°П	
retrograde	13277 Jul 08 05:38	13° <b>Ω</b> 30'41		evening rise	13278 May 20 13:21	17° <b>Ⅱ</b> 41'34	
evening set	13277 Jul 11 13:38	12° <b>Ω</b> 26'47			13278 May 28 14:25	$0$ $\circ$ $\odot$	
inferior conj	13277 Jul 17 03:20	6° <b>Ω</b> 45'22	2°55'50	greatest brilliancy	13278 Jun 03 04:16	8° <b>©</b> 21'27	-0.7m
minimum elong	13277 Jul 17 05:02	6° <b>Ω</b> 40′02	2°54'42	asc. node	13278 Jun 13 05:33	21° <b>©</b> 53'07	
min. Earth dist.	13277 Jul 18 22:38	4° <b>Ω</b> 30′08	0.66021 AU	evening max el	13278 Jun 14 21:06	23° <b>©</b> 38'41	19°35'46
morning rise	13277 Jul 22 19:37	0° <b>Ω</b> 21'45		retrograde	13278 Jun 22 03:32	27° <b>5</b> 44'36	
	13277 Jul 23 06:08	30° <b>₹</b> 5		evening set	13278 Jun 25 20:47	26°524'09	
direct	13277 Jul 29 03:31	27°5641'18		inferior conj	13278 Jul 01 05:17	20°529'00	3°10'23
desc. node	13277 Jul 29 11:41	27°5641'43		minimum elong	13278 Jul 01 05:59	20° <b>©</b> 26'41	3°09'20
	13277 Aug 04 18:34	$0^{\circ}\Omega$		min. Earth dist.	13278 Jul 02 10:06	18° <b>©</b> 53'14	0.67425 AU
morning max el	13277 Aug 11 05:49		26°38'09	morning rise	13278 Jul 06 14:44	14°905'28	
morning max er	13277 Aug 30 01:40	0° mb	20 30 0)	direct	13278 Jul 12 12:41	11°9529'50	
morning set	13277 Sep 16 02:05	29° Mp 01'00		desc. node	13278 Jul 16 09:00	12°9524'16	
morning set	13277 Sep 16 02:03	0° <b>⊽</b>		morning max el	13278 Jul 24 16:36	18°547'19	25°22'03
E 41 E 4			1 24200 ATT	morning max er		18 <b>3</b> 4/19	23 22 03
max. Earth dist.	13277 Sep 20 03:07	6° <b>₽</b> 51'28	1.34299 AU		13278 Aug 03 04:17		
asc. node	13277 Sep 22 10:00	11° <b>≏</b> 27'16			13278 Aug 23 03:11	0° m)	
				morning set	13278 Aug 29 15:29	11° <b>m</b> 19'02	
superior conj	13277 Sep 24 22:15	16° <b>≏</b> 37'04	0°23'40	max. Earth dist.	13278 Sep 02 06:06	17° <b>m</b> 56'36	1.36290 AU
minimum elong	13277 Sep 24 21:00	16° <b>≏</b> 30'38	0°23'36		13278 Sep 08 11:48	0∘ <b>⊽</b>	
	13277 Oct 01 06:41	0° <b>M</b> ₊					
	132// Oct 01 00.41	O IIO					
evening rise	13277 Oct 01 00:41 13277 Oct 02 07:56	2° <b>M</b> ₊12'48		superior conj	13278 Sep 08 12:34	0° <b>ჲ</b> 03'49	-0°07'04
evening rise				superior conj minimum elong	13278 Sep 08 12:34 13278 Sep 08 13:01	0° <b>ഫ</b> 03'49 0° <b>ഫ</b> 06'01	-0°07'04 0°07'04
evening rise	13277 Oct 02 07:56	2° <b>M</b> 12'48	21°12'19		•		
-	13277 Oct 02 07:56 13277 Oct 18 00:20	2° <b>IL</b> 12'48 0° <b>⊀</b>	21°12'19	minimum elong	13278 Sep 08 13:01	0° <b>≏</b> 06′01	
evening max el	13277 Oct 02 07:56 13277 Oct 18 00:20 13277 Oct 21 20:37	2° <b>™</b> 12'48 0° <b>҂</b> 4° <b>҂</b> 22'49	21°12'19	minimum elong behind sun begin	13278 Sep 08 13:01 13278 Sep 08 07:16	0° <b>£</b> 06'01 29° <b>™</b> 37'24	
evening max el desc. node retrograde	13277 Oct 02 07:56 13277 Oct 18 00:20 13277 Oct 21 20:37 13277 Oct 25 07:56	2° <b>M</b> .12'48 0° <b>⊀</b> 4° <b>₹</b> 22'49 7° <b>₹</b> 19'36	21°12'19	minimum elong behind sun begin behind sun end asc. node	13278 Sep 08 13:01 13278 Sep 08 07:16 13278 Sep 08 18:46 13278 Sep 09 06:35	0° <b>Ω</b> 06'01 29° <b>™</b> 37'24 0° <b>Ω</b> 34'40	
evening max el desc. node retrograde evening set	13277 Oct 02 07:56 13277 Oct 18 00:20 13277 Oct 21 20:37 13277 Oct 25 07:56 13277 Nov 02 17:56 13277 Nov 05 09:01	2°M12'48 0°\$\documents'\documents		minimum elong behind sun begin behind sun end	13278 Sep 08 13:01 13278 Sep 08 07:16 13278 Sep 08 18:46 13278 Sep 09 06:35 13278 Sep 16 14:01	0° <b>Ω</b> 06′01 29° <b>™</b> 37′24 0° <b>Ω</b> 34′40 1° <b>Ω</b> 33′43 16° <b>Ω</b> 26′19	
evening max el desc. node retrograde evening set inferior conj	13277 Oct 02 07:56 13277 Oct 18 00:20 13277 Oct 21 20:37 13277 Oct 25 07:56 13277 Nov 02 17:56 13277 Nov 05 09:01 13277 Nov 14 07:32	2°M12'48 0° \$\mathref{X}\$ 4° \$\mathref{X}\$22'49 7° \$\mathref{X}\$19'36 10° \$\mathref{X}\$17'16 10° \$\mathref{X}\$01'08 6° \$\mathref{X}\$07'23	-5°21'25	minimum elong behind sun begin behind sun end asc. node evening rise	13278 Sep 08 13:01 13278 Sep 08 07:16 13278 Sep 08 18:46 13278 Sep 09 06:35 13278 Sep 16 14:01 13278 Sep 23 12:33	0° <b>១</b> 06'01 29° <b>ﺵ</b> 37'24 0° <b>១</b> 34'40 1° <b>១</b> 33'43 16° <b>១</b> 26'19	0°07'04
evening max el desc. node retrograde evening set inferior conj minimum elong	13277 Oct 02 07:56 13277 Oct 18 00:20 13277 Oct 21 20:37 13277 Oct 25 07:56 13277 Nov 02 17:56 13277 Nov 05 09:01 13277 Nov 14 07:32 13277 Nov 13 22:57	2°M.12'48 0° ₹ 4° ₹22'49 7° ₹19'36 10° ₹17'16 10° ₹01'08 6° ₹07'23 6° ₹19'29	-5°21'25 5°18'54	minimum elong behind sun begin behind sun end asc. node evening rise	13278 Sep 08 13:01 13278 Sep 08 07:16 13278 Sep 08 18:46 13278 Sep 09 06:35 13278 Sep 16 14:01 13278 Sep 23 12:33 13278 Oct 04 02:04	0° <b>១</b> 06'01 29° <b>m</b> 37'24 0° <b>១</b> 34'40 1° <b>១</b> 33'43 16° <b>១</b> 26'19 0° <b>៣</b> 15° <b>ጤ</b> 15'48	
evening max el desc. node retrograde evening set inferior conj minimum elong min. Earth dist.	13277 Oct 02 07:56 13277 Oct 18 00:20 13277 Oct 21 20:37 13277 Oct 25 07:56 13277 Nov 02 17:56 13277 Nov 05 09:01 13277 Nov 14 07:32 13277 Nov 14 19:07	2° M.12'48 0° ₹ 4° ₹22'49 7° ₹19'36 10° ₹17'16 10° ₹01'08 6° ₹07'23 6° ₹19'29 5° ₹51'03	-5°21'25	minimum elong behind sun begin behind sun end asc. node evening rise evening max el desc. node	13278 Sep 08 13:01 13278 Sep 08 07:16 13278 Sep 08 18:46 13278 Sep 09 06:35 13278 Sep 16 14:01 13278 Sep 23 12:33 13278 Oct 04 02:04 13278 Oct 12 05:20	0° № 06'01 29° № 37'24 0° № 34'40 1° № 33'43 16° № 26'19 0° № 15° № 15'48 20° № 10'03	0°07'04
evening max el desc. node retrograde evening set inferior conj minimum elong min. Earth dist. morning rise	13277 Oct 02 07:56 13277 Oct 18 00:20 13277 Oct 21 20:37 13277 Oct 25 07:56 13277 Nov 02 17:56 13277 Nov 05 09:01 13277 Nov 14 07:32 13277 Nov 14 19:07 13277 Nov 14 19:07	2°M12'48 0° \$\mathref{X}\) 22'49 7° \$\mathref{X}\] 19'36 10° \$\mathref{X}\] 17'16 10° \$\mathref{X}\] 01'08 6° \$\mathref{X}\] 07'23 6° \$\mathref{X}\] 19'29 5° \$\mathref{X}\] 51'03 2° \$\mathref{X}\] 16'56	-5°21'25 5°18'54	minimum elong behind sun begin behind sun end asc. node evening rise  evening max el desc. node retrograde	13278 Sep 08 13:01 13278 Sep 08 07:16 13278 Sep 08 18:46 13278 Sep 09 06:35 13278 Sep 16 14:01 13278 Sep 23 12:33 13278 Oct 04 02:04 13278 Oct 12 05:20 13278 Oct 14 08:36	0° \overline{0}00001 29° \overline{0}037'24 0° \overline{0}034'40 1° \overline{0}033'43 16° \overline{0}26'19 0° \overline{0}00000000000000000000000000000000000	0°07'04
evening max el desc. node retrograde evening set inferior conj minimum elong min. Earth dist. morning rise direct	13277 Oct 02 07:56 13277 Oct 18 00:20 13277 Oct 21 20:37 13277 Oct 25 07:56 13277 Nov 02 17:56 13277 Nov 05 09:01 13277 Nov 14 07:32 13277 Nov 14 19:07 13277 Nov 14 19:07 13277 Nov 22 13:29 13277 Nov 26 13:14	2° M.12'48 0° \$\mathref{X}\$ 4° \$\mathref{X}\$22'49 7° \$\mathref{X}\$17'16 10° \$\mathref{X}\$01'08 6° \$\mathref{X}\$07'23 6° \$\mathref{X}\$19'29 5° \$\mathref{X}\$16'56 1° \$\mathref{X}\$42'45	-5°21'25 5°18'54 0.54517 AU	minimum elong behind sun begin behind sun end asc. node evening rise  evening max el desc. node retrograde evening set	13278 Sep 08 13:01 13278 Sep 08 07:16 13278 Sep 08 18:46 13278 Sep 09 06:35 13278 Sep 16 14:01 13278 Sep 23 12:33 13278 Oct 04 02:04 13278 Oct 12 05:20 13278 Oct 14 08:36 13278 Oct 16 07:13	0° № 06'01 29° № 37'24 0° № 33'43 16° № 26'19 0° № 15° № 15'48 20° № 10'03 20° № 22'56 20° № 12'47	0°07'04 19°53'19
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evening max el desc. node retrograde evening set inferior conj minimum elong min. Earth dist. morning rise direct	13277 Oct 02 07:56 13277 Oct 18 00:20 13277 Oct 21 20:37 13277 Oct 25 07:56 13277 Nov 02 17:56 13277 Nov 05 09:01 13277 Nov 14 07:32 13277 Nov 14 19:07 13277 Nov 22 13:29 13277 Nov 26 13:14 13277 Dec 09 09:34 13277 Dec 19 10:53	2° III.12'48 0° X 4° X 22'49 7° X 19'36 10° X 17'16 10° X 01'08 6° X 07'23 6° X 19'29 5° X 51'03 2° X 16'56 1° X 42'45 7° X 53'28 20° X 38'26	-5°21'25 5°18'54 0.54517 AU	minimum elong behind sun begin behind sun end asc. node evening rise  evening max el desc. node retrograde evening set inferior conj minimum elong	13278 Sep 08 13:01 13278 Sep 08 07:16 13278 Sep 08 18:46 13278 Sep 09 06:35 13278 Sep 16 14:01 13278 Sep 23 12:33 13278 Oct 04 02:04 13278 Oct 12 05:20 13278 Oct 14 08:36 13278 Oct 16 07:13 13278 Oct 25 04:09 13278 Oct 24 18:35	0° \$\infty\$06'01 29° \$\mathbf{m}\ 37'24 0° \$\infty\$33'43 16° \$\infty\$26'19 0° \$\mathbf{m}\ 15' \$\mathbf{m}\ 15'48 20° \$\mathbf{m}\ 12'56 20° \$\mathbf{m}\ 12'47 16° \$\mathbf{m}\ 12'13 16° \$\mathbf{m}\ 26'51	0°07'04 19°53'19 -3°54'51 3°51'04
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evening max el desc. node retrograde evening set inferior conj minimum elong min. Earth dist. morning rise direct morning max el	13277 Oct 02 07:56 13277 Oct 18 00:20 13277 Oct 21 20:37 13277 Oct 25 07:56 13277 Nov 02 17:56 13277 Nov 05 09:01 13277 Nov 14 07:32 13277 Nov 14 19:07 13277 Nov 22 13:29 13277 Nov 26 13:14 13277 Dec 09 09:34 13277 Dec 19 10:53	2° III.12'48 0° X 4° X 22'49 7° X 19'36 10° X 17'16 10° X 01'08 6° X 07'23 6° X 19'29 5° X 51'03 2° X 16'56 1° X 42'45 7° X 53'28 20° X 38'26	-5°21'25 5°18'54 0.54517 AU	minimum elong behind sun begin behind sun end asc. node evening rise  evening max el desc. node retrograde evening set inferior conj minimum elong min. Earth dist. morning rise	13278 Sep 08 13:01 13278 Sep 08 07:16 13278 Sep 08 18:46 13278 Sep 09 06:35 13278 Sep 16 14:01 13278 Sep 23 12:33 13278 Oct 04 02:04 13278 Oct 12 05:20 13278 Oct 14 08:36 13278 Oct 16 07:13 13278 Oct 25 04:09 13278 Oct 24 18:35 13278 Oct 27 03:36 13278 Nov 02 04:30	0° \$\infty\$06'01 29° \$\mathbf{m}\ 37'24 0° \$\infty\$37'40 1° \$\infty\$33'43 16° \$\infty\$26'19 0° \$\mathbf{m}\ . 15° \$\mathbf{m}\ . 15° \$\mathbf{m}\ . 15° \$\mathbf{m}\ . 15' \$\mathbf{m}\ . 15' \$\mathbf{m}\ . 15' \$\mathbf{m}\ . 16' \$\mathbf{m}\ . 12' \$\mathbf{m}\ . 16' \$\mathbf{m}\ . 12' \$\mathbf{m}\ . 16' \$\mathbf{m}\ . 15' \$\mathbf{m}\ . 16' \$\mathbf{m}\ . 15' \$\mathbf{m}\ . 16' \$\mathbf{m}\ . 15' \$\mathbf{m}\ . 16' \$\mathbf{m}\	0°07'04 19°53'19 -3°54'51 3°51'04
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evening max el desc. node retrograde evening set inferior conj minimum elong min. Earth dist. morning rise direct morning max el asc. node morning set superior conj minimum elong	13277 Oct 02 07:56 13277 Oct 18 00:20 13277 Oct 21 20:37 13277 Oct 25 07:56 13277 Nov 02 17:56 13277 Nov 05 09:01 13277 Nov 14 07:32 13277 Nov 14 19:07 13277 Nov 22 13:29 13277 Nov 26 13:14 13277 Dec 09 09:34 13277 Dec 19 10:53 13277 Dec 31 16:52 13278 Jan 07 16:26 13278 Jan 07 16:26 13278 Jan 08 06:15	2° m.12'48 0° x 4° x 22'49 7° x 17'16 10° x 01'08 6° x 07'23 6° x 19'29 5° x 51'03 2° x 16'56 1° x 42'45 7° x 53'28 20° x 38'26 0° 5 13° 5 47'21 28° 5 46'28 28° 5 54'57 0° ≈	-5°21'25 5°18'54 0.54517 AU 22°42'09 1°31'38 1°32'28	minimum elong behind sun begin behind sun end asc. node evening rise  evening max el desc. node retrograde evening set inferior conj minimum elong min. Earth dist. morning rise direct morning max el asc. node	13278 Sep 08 13:01 13278 Sep 08 07:16 13278 Sep 08 18:46 13278 Sep 09 06:35 13278 Sep 16 14:01 13278 Sep 23 12:33 13278 Oct 04 02:04 13278 Oct 12 05:20 13278 Oct 14 08:36 13278 Oct 16 07:13 13278 Oct 25 04:09 13278 Oct 24 18:35 13278 Oct 27 03:36 13278 Nov 02 04:30 13278 Nov 07 01:35 13278 Nov 07 01:35 13278 Nov 20 19:46 13278 Nov 30 17:31 13278 Dec 06 07:53	0° № 06'01 29° № 37'24 0° № 34'40 1° № 33'43 16° № 26'19 0° № 15' № 15'48 20° № 10'03 20° № 22'56 20° № 12'47 16° № 12'13 16° № 26'51 14° № 59'38 11° № 58'48 11° № 06'34 17° № 55'08 0° 🗷 9° № 704'26	0°07'04 19°53'19 -3°54'51 3°51'04 0.55079 AU
evening max el desc. node retrograde evening set inferior conj minimum elong min. Earth dist. morning rise direct morning max el asc. node morning set superior conj minimum elong max. Earth dist.	13277 Oct 02 07:56 13277 Oct 18 00:20 13277 Oct 21 20:37 13277 Oct 25 07:56 13277 Nov 02 17:56 13277 Nov 05 09:01 13277 Nov 14 07:32 13277 Nov 14 19:07 13277 Nov 22 13:29 13277 Nov 26 13:14 13277 Dec 09 09:34 13277 Dec 19 10:53 13277 Dec 24 20:36 13277 Dec 31 16:52 13278 Jan 07 16:26 13278 Jan 07 18:02 13278 Jan 08 06:15 13278 Jan 08 06:15 13278 Jan 11 03:46	2° m.12'48 0° x 4° x 22'49 7° x 17'16 10° x 01'08 6° x 07'23 6° x 19'29 5° x 51'03 2° x 16'56 1° x 42'45 7° x 53'28 20° x 38'26 0° 5 13° 5 47'21 28° 5 46'28 28° 5 54'57 0° ≈ 6° ≈ 04'53	-5°21'25 5°18'54 0.54517 AU 22°42'09 1°31'38 1°32'28	minimum elong behind sun begin behind sun end asc. node evening rise  evening max el desc. node retrograde evening set inferior conj minimum elong min. Earth dist. morning rise direct morning max el asc. node	13278 Sep 08 13:01 13278 Sep 08 07:16 13278 Sep 08 18:46 13278 Sep 09 06:35 13278 Sep 16 14:01 13278 Sep 23 12:33 13278 Oct 04 02:04 13278 Oct 12 05:20 13278 Oct 14 08:36 13278 Oct 16 07:13 13278 Oct 25 04:09 13278 Oct 24 18:35 13278 Oct 27 03:36 13278 Nov 02 04:30 13278 Nov 02 04:30 13278 Nov 00 19:46 13278 Nov 20 19:46 13278 Nov 30 17:31 13278 Dec 06 07:53 13278 Dec 16 04:47	0° № 06'01 29° № 37'24 0° № 34'40 1° № 33'43 16° № 26'19 0° № 15' № 15'48 20° № 10'03 20° № 22'56 20° № 12'47 16° № 12'13 16° № 26'51 14° № 59'38 11° № 58'48 11° № 06'34 17° № 55'08 0° ◄ 9° ◄ 04'26 28° ◄ 32'12	0°07'04 19°53'19 -3°54'51 3°51'04 0.55079 AU
evening max el desc. node retrograde evening set inferior conj minimum elong min. Earth dist. morning rise direct morning max el asc. node morning set superior conj minimum elong max. Earth dist. evening rise	13277 Oct 02 07:56 13277 Oct 18 00:20 13277 Oct 21 20:37 13277 Oct 25 07:56 13277 Nov 02 17:56 13277 Nov 05 09:01 13277 Nov 14 07:32 13277 Nov 14 19:07 13277 Nov 26 13:14 13277 Dec 09 09:34 13277 Dec 19 10:53 13277 Dec 24 20:36 13277 Dec 31 16:52 13278 Jan 07 16:26 13278 Jan 07 18:02 13278 Jan 08 06:15 13278 Jan 11 03:46 13278 Jan 11 03:46 13278 Jan 15 17:06	2° III.12'48 0° III.12'48 0° III.19'36 10° III.11'16 10° III.10'8 6° III.19'29 5° III.19'29 5° III.19'29 5° III.19'29 5° III.19'29 5° III.19'29 5° III.19'29 5° III.19'29 13° III.19'29 13	-5°21'25 5°18'54 0.54517 AU 22°42'09 1°31'38 1°32'28	minimum elong behind sun begin behind sun end asc. node evening rise  evening max el desc. node retrograde evening set inferior conj minimum elong min. Earth dist. morning rise direct morning max el asc. node morning set	13278 Sep 08 13:01 13278 Sep 08 07:16 13278 Sep 08 18:46 13278 Sep 09 06:35 13278 Sep 16 14:01 13278 Sep 23 12:33 13278 Oct 04 02:04 13278 Oct 12 05:20 13278 Oct 14 08:36 13278 Oct 16 07:13 13278 Oct 25 04:09 13278 Oct 24 18:35 13278 Oct 27 03:36 13278 Nov 02 04:30 13278 Nov 02 04:30 13278 Nov 00 19:46 13278 Nov 20 19:46 13278 Nov 30 17:31 13278 Dec 06 07:53 13278 Dec 16 04:47	0° № 06'01 29° № 37'24 0° № 34'40 1° № 33'43 16° № 26'19 0° № 15' № 15'48 20° № 10'03 20° № 22'56 20° № 12'47 16° № 12'13 16° № 26'51 14° № 59'38 11° № 58'48 11° № 06'34 17° № 55'08 0° ◄ 9° ◄ 04'26 28° ◄ 32'12	0°07'04 19°53'19 -3°54'51 3°51'04 0.55079 AU
evening max el desc. node retrograde evening set inferior conj minimum elong min. Earth dist. morning rise direct morning max el asc. node morning set superior conj minimum elong max. Earth dist. evening rise	13277 Oct 02 07:56 13277 Oct 18 00:20 13277 Oct 21 20:37 13277 Oct 25 07:56 13277 Nov 02 17:56 13277 Nov 05 09:01 13277 Nov 14 07:32 13277 Nov 14 19:07 13277 Nov 22 13:29 13277 Nov 26 13:14 13277 Dec 09 09:34 13277 Dec 19 10:53 13277 Dec 24 20:36 13277 Dec 31 16:52 13278 Jan 07 16:26 13278 Jan 07 18:02 13278 Jan 11 03:46 13278 Jan 15 17:06 13278 Jan 21 06:54 13278 Jan 21 06:54 13278 Jan 21 16:52	2° III.12'48 0° X 4° X° 22'49 7° X 19'36 10° X 17'16 10° X 01'08 6° X 07'23 6° X 19'29 5° X 51'03 2° X 16'56 1° X 42'45 7° X 53'28 20° X 38'26 0° S 13° S 47'21 28° S 46'28 28° S 54'57 0° ∞ 6° ≈ 04'53 15° ≈ 15'39 25° ≈ 44'44	-5°21'25 5°18'54 0.54517 AU 22°42'09 1°31'38 1°32'28	minimum elong behind sun begin behind sun end asc. node evening rise  evening max el desc. node retrograde evening set inferior conj minimum elong min. Earth dist. morning rise direct morning max el asc. node morning set	13278 Sep 08 13:01 13278 Sep 08 07:16 13278 Sep 08 07:16 13278 Sep 08 18:46 13278 Sep 09 06:35 13278 Sep 16 14:01 13278 Sep 23 12:33 13278 Oct 04 02:04 13278 Oct 12 05:20 13278 Oct 14 08:36 13278 Oct 16 07:13 13278 Oct 25 04:09 13278 Oct 27 03:36 13278 Oct 27 03:36 13278 Nov 02 04:30 13278 Nov 07 01:35 13278 Nov 07 01:35 13278 Nov 07 01:35 13278 Nov 07 01:35 13278 Dec 06 07:53 13278 Dec 16 04:47 13278 Dec 16 21:06	0° 206'01 29° 1037'24 0° 234'40 1° 233'43 16° 226'19 0° 11.5° 11.15'48 20° 11.10'03 20° 11.2'47 16° 11.2'13 16° 11.2'13 16° 11.2'13 16° 11.2'13 16° 11.2'13 16° 11.2'13 16° 11.2'13 16° 11.2'13 10° 11.2'47 10° 11.2'13 10° 11.2'47 10° 11.2'13 10° 11.2'13 10° 11.2'13 10° 11.2'13 10° 11.2'13 10° 11.2'13 10° 11.2'13	0°07'04  19°53'19  -3°54'51 3°51'04 0.55079 AU  24°31'01
evening max el desc. node retrograde evening set inferior conj minimum elong min. Earth dist. morning rise direct morning max el asc. node morning set superior conj minimum elong max. Earth dist. evening rise desc. node	13277 Oct 02 07:56 13277 Oct 18 00:20 13277 Oct 21 20:37 13277 Oct 25 07:56 13277 Nov 02 17:56 13277 Nov 05 09:01 13277 Nov 14 07:32 13277 Nov 14 19:07 13277 Nov 22 13:29 13277 Nov 26 13:14 13277 Dec 09 09:34 13277 Dec 19 10:53 13277 Dec 24 20:36 13277 Dec 31 16:52 13278 Jan 07 16:26 13278 Jan 07 18:02 13278 Jan 10 06:15 13278 Jan 11 03:46 13278 Jan 21 06:54 13278 Jan 21 16:54 13278 Jan 21 16:54 13278 Jan 21 16:54 13278 Jan 23 16:31 13278 Feb 12 23:14	2° III.12'48 0° 🖈 4° ₹22'49 7° ₹19'36 10° ₹17'16 10° ₹07'23 6° ₹19'29 5° ₹51'03 2° ₹16'56 1° ₹42'45 7° ₹53'28 20° ₹38'26 0° ₹ 13° ₹47'21 28° ₹46'28 28° ₹54'57 0° ≈ 6° ≈04'53 15° ≈15'39 25° ≈44'44 0° ¥ 0° ¥	-5°21'25 5°18'54 0.54517 AU 22°42'09 1°31'38 1°32'28 1.33756 AU	minimum elong behind sun begin behind sun end asc. node evening rise  evening max el desc. node retrograde evening set inferior conj minimum elong min. Earth dist. morning rise direct morning max el asc. node morning set	13278 Sep 08 13:01 13278 Sep 08 07:16 13278 Sep 08 07:16 13278 Sep 09 06:35 13278 Sep 16 14:01 13278 Sep 23 12:33 13278 Oct 04 02:04 13278 Oct 12 05:20 13278 Oct 14 08:36 13278 Oct 25 04:09 13278 Oct 27 03:36 13278 Oct 27 03:36 13278 Nov 02 04:30 13278 Nov 02 04:30 13278 Nov 07 01:35 13278 Nov 07 01:35 13278 Nov 20 19:46 13278 Nov 30 17:31 13278 Dec 16 04:47 13278 Dec 16 21:06	0° 206'01 29° 1037'24 0° 234'40 1° 234'43 16° 226'19 0° 11.5° 11.5'48 20° 11.0'03 20° 11.2'47 16° 11.2'13 16° 11.26'51 14° 11.5'8'48 11° 11.5'8'48	0°07'04  19°53'19  -3°54'51 3°51'04 0.55079 AU  24°31'01  1°37'36 1°38'37
evening max el desc. node retrograde evening set inferior conj minimum elong min. Earth dist. morning rise direct morning max el asc. node morning set superior conj minimum elong max. Earth dist. evening rise desc. node	13277 Oct 02 07:56 13277 Oct 18 00:20 13277 Oct 21 20:37 13277 Oct 25 07:56 13277 Nov 02 17:56 13277 Nov 05 09:01 13277 Nov 14 07:32 13277 Nov 14 19:07 13277 Nov 22 13:29 13277 Nov 26 13:14 13277 Dec 09 09:34 13277 Dec 19 10:53 13277 Dec 24 20:36 13277 Dec 31 16:52 13278 Jan 07 16:26 13278 Jan 07 18:02 13278 Jan 08 06:15 13278 Jan 11 03:46 13278 Jan 21 06:54 13278 Jan 21 16:54 13278 Jan 23 16:31 13278 Feb 12 23:14 13278 Feb 19 09:58	2° m.12'48 0° x 4° x 22'49 7° x 19'36 10° x 17'16 10° x 01'08 6° x 07'23 6° x 19'29 5° x 51'03 2° x 16'56 1° x 42'45 7° x 53'28 20° x 38'26 0° t 13° t 45'21 28° t 46'28 28° t 54'57 0° t 6° t 04'53 15° t 15'39 25° t 44'44 0° t 0° t 7° t 01'46	-5°21'25 5°18'54 0.54517 AU 22°42'09 1°31'38 1°32'28	minimum elong behind sun begin behind sun end asc. node evening rise  evening max el desc. node retrograde evening set inferior conj minimum elong min. Earth dist. morning rise direct morning max el asc. node morning set	13278 Sep 08 13:01 13278 Sep 08 07:16 13278 Sep 08 07:16 13278 Sep 08 18:46 13278 Sep 09 06:35 13278 Sep 16 14:01 13278 Sep 23 12:33 13278 Oct 04 02:04 13278 Oct 12 05:20 13278 Oct 14 08:36 13278 Oct 25 04:09 13278 Oct 27 03:36 13278 Oct 27 03:36 13278 Nov 02 04:30 13278 Nov 02 04:30 13278 Nov 07 01:35 13278 Nov 20 19:46 13278 Nov 20 19:46 13278 Dec 06 07:53 13278 Dec 16 04:47 13278 Dec 16 04:47 13278 Dec 23 00:01 13278 Dec 23 00:31 13278 Dec 23 00:31	0° 206'01 29° 1037'24 0° 234'40 1° 234'43 16° 226'19 0° 11.5° 11.5'48 20° 11.0'03 20° 11.2'47 16° 11.2'13 16° 11.2'6'51 14° 11.5'8'48 11° 11.5'8'48	0°07'04  19°53'19  -3°54'51 3°51'04 0.55079 AU  24°31'01
evening max el desc. node retrograde evening set inferior conj minimum elong min. Earth dist. morning rise direct morning max el asc. node  morning set superior conj minimum elong max. Earth dist. evening rise desc. node	13277 Oct 02 07:56 13277 Oct 18 00:20 13277 Oct 21 20:37 13277 Oct 25 07:56 13277 Nov 02 17:56 13277 Nov 05 09:01 13277 Nov 14 07:32 13277 Nov 14 19:07 13277 Nov 22 13:29 13277 Nov 26 13:14 13277 Dec 09 09:34 13277 Dec 19 10:53 13277 Dec 24 20:36 13277 Dec 31 16:52 13278 Jan 07 16:26 13278 Jan 07 16:26 13278 Jan 07 18:02 13278 Jan 11 03:46 13278 Jan 15 17:06 13278 Jan 21 06:54 13278 Jan 23 16:31 13278 Feb 12 23:14 13278 Feb 19 09:58 13278 Mar 04 20:49	2° m.12'48 0° x 4° x 22'49 7° x 19'36 10° x 17'16 10° x 01'08 6° x 07'23 6° x 19'29 5° x 51'03 2° x 16'56 1° x 42'45 7° x 53'28 20° x 38'26 0° t 13° t 46'28 28° t 54'57 0° t 6° t 04'53 15° t 15'39 25° t 44'44 0° t 0° t 7° t 01'46 14° t 28'42	-5°21'25 5°18'54 0.54517 AU 22°42'09 1°31'38 1°32'28 1.33756 AU	minimum elong behind sun begin behind sun end asc. node evening rise  evening max el desc. node retrograde evening set inferior conj minimum elong min. Earth dist. morning rise direct morning max el asc. node morning set	13278 Sep 08 13:01 13278 Sep 08 07:16 13278 Sep 08 07:16 13278 Sep 08 18:46 13278 Sep 09 06:35 13278 Sep 16 14:01 13278 Sep 23 12:33 13278 Oct 04 02:04 13278 Oct 12 05:20 13278 Oct 14 08:36 13278 Oct 25 04:09 13278 Oct 24 18:35 13278 Oct 27 03:36 13278 Nov 02 04:30 13278 Nov 02 04:30 13278 Nov 07 01:35 13278 Nov 20 19:46 13278 Nov 20 19:46 13278 Dec 06 07:53 13278 Dec 16 04:47 13278 Dec 16 04:47 13278 Dec 23 00:01 13278 Dec 23 00:01 13278 Dec 23 00:31 13278 Dec 25 03:23 13278 Dec 30 09:44	0° 206'01 29° 1037'24 0° 234'40 1° 234'43 16° 226'19 0° 11.5' 11.5'48 20° 11.0'03 20° 11.2'47 16° 11.2'13 16° 11.2'13 16° 11.2'13 16° 11.58'48 11° 11.58'48 11° 11.55'08 0°  27 9° 2704'26 28° 2732'12 0° 37 13° 3724'13 13° 3726'59 18° 303'44 29° 308'00	0°07'04  19°53'19  -3°54'51 3°51'04 0.55079 AU  24°31'01  1°37'36 1°38'37
evening max el desc. node retrograde evening set inferior conj minimum elong min. Earth dist. morning rise direct morning max el asc. node morning set superior conj minimum elong max. Earth dist. evening rise desc. node	13277 Oct 02 07:56 13277 Oct 18 00:20 13277 Oct 21 20:37 13277 Oct 25 07:56 13277 Nov 02 17:56 13277 Nov 05 09:01 13277 Nov 14 07:32 13277 Nov 14 19:07 13277 Nov 22 13:29 13277 Nov 26 13:14 13277 Dec 09 09:34 13277 Dec 19 10:53 13277 Dec 24 20:36 13277 Dec 31 16:52 13278 Jan 07 16:26 13278 Jan 07 18:02 13278 Jan 08 06:15 13278 Jan 11 03:46 13278 Jan 21 06:54 13278 Jan 21 16:54 13278 Jan 23 16:31 13278 Feb 12 23:14 13278 Feb 19 09:58	2° m.12'48 0° x 4° x 22'49 7° x 19'36 10° x 17'16 10° x 01'08 6° x 07'23 6° x 19'29 5° x 51'03 2° x 16'56 1° x 42'45 7° x 53'28 20° x 38'26 0° t 13° t 45'21 28° t 46'28 28° t 54'57 0° t 6° t 04'53 15° t 15'39 25° t 44'44 0° t 0° t 7° t 01'46	-5°21'25 5°18'54 0.54517 AU 22°42'09 1°31'38 1°32'28 1.33756 AU	minimum elong behind sun begin behind sun end asc. node evening rise  evening max el desc. node retrograde evening set inferior conj minimum elong min. Earth dist. morning rise direct morning max el asc. node morning set	13278 Sep 08 13:01 13278 Sep 08 07:16 13278 Sep 08 07:16 13278 Sep 08 18:46 13278 Sep 09 06:35 13278 Sep 16 14:01 13278 Sep 23 12:33 13278 Oct 04 02:04 13278 Oct 12 05:20 13278 Oct 14 08:36 13278 Oct 25 04:09 13278 Oct 27 03:36 13278 Oct 27 03:36 13278 Nov 02 04:30 13278 Nov 02 04:30 13278 Nov 07 01:35 13278 Nov 20 19:46 13278 Nov 20 19:46 13278 Dec 06 07:53 13278 Dec 16 04:47 13278 Dec 16 04:47 13278 Dec 23 00:01 13278 Dec 23 00:31 13278 Dec 23 00:31	0° 206'01 29° 1037'24 0° 234'40 1° 234'43 16° 226'19 0° 11.5° 11.5'48 20° 11.0'03 20° 11.2'47 16° 11.2'13 16° 11.2'6'51 14° 11.5'8'48 11° 11.5'8'48	0°07'04  19°53'19  -3°54'51 3°51'04 0.55079 AU  24°31'01  1°37'36 1°38'37

	13279 Jan 16 19:16	0° <b>\</b>			13279 Dec 22 22:22	0° <b>≈</b>	
evening max el	13279 Feb 01 21:58	20° <b>)</b> 14'14	27°32'31	desc. node	13279 Dec 26 00:30	5°≈27'07	
retrograde	13279 Feb 15 16:57	27° <b>)</b> 40'08	_,		13280 Jan 12 11:19	0° <b>∀</b>	
evening set	13279 Feb 22 14:01	25° <b>)</b> 14'43		evening max el	13280 Jan 15 06:25	2° <b>¥</b> 50'00	27°23'50
min. Earth dist.	13279 Feb 26 08:33	22° <b>₩</b> 01'22	0.63397 AU	retrograde	13280 Jan 29 05:02	10° <b>¥</b> 08'21	
inferior conj	13279 Mar 01 02:44	19° <b>)</b> 14'47	-1°01'02	evening set	13280 Feb 05 02:21	7° <b>¥</b> 57'47	
minimum elong	13279 Mar 01 04:42	19° <b>∺</b> 09'48	0°59'56	min. Earth dist.	13280 Feb 08 20:50	5° <b>米</b> 07′26	0.61302 AU
asc. node	13279 Mar 04 05:36	16° <b>¥</b> 18′01		inferior conj	13280 Feb 11 22:56	2° <b>)</b> 22'34	-2°19'16
morning rise	13279 Mar 07 21:50	13° <b>¥</b> 59'35		minimum elong	13280 Feb 12 03:51	2° <b>₩</b> 11'35	2°16'46
direct	13279 Mar 10 07:01	13° <b>)</b> 32′05			13280 Feb 14 18:09	30° <b>R</b> ≈	
morning max el	13279 Mar 16 19:00	16° <b>)</b> 51′47	17°46'46	morning rise	13280 Feb 19 08:19	27° <b>≈</b> 25′20	
	13279 Mar 26 06:09	$0^{\circ}$ Y		asc. node	13280 Feb 19 03:01	27° <b>≈</b> 29′29	
morning set	13279 Apr 02 04:06	11° <b>Y</b> 44'50		direct	13280 Feb 21 11:40	27° <b>≈</b> 05'55	
desc. node	13279 Apr 06 05:40	18° <b>Ƴ</b> 42'57			13280 Feb 27 19:35	0° <b>∀</b>	
	13279 Apr 12 22:58	$0^{\circ}$ 8		morning max el	13280 Feb 28 11:30	0° <b>)</b> 37′20	17°51'59
				morning set	13280 Mar 15 02:54	25° <b>米</b> 00′28	
superior conj	13279 Apr 14 16:57	2° <b>8</b> 52'35			13280 Mar 17 21:18	$0^{\circ}$ Y	
minimum elong	13279 Apr 14 10:38	2° <b>8</b> 26'42		desc. node	13280 Mar 23 02:12	9° <b>Ƴ</b> 15'13	
max. Earth dist.	13279 Apr 20 15:20	12° <b>8</b> 26'48	1.44694 AU				
evening rise	13279 Apr 30 00:27	27° <b>8</b> 05'14		superior conj	13280 Mar 25 22:29	14° <b>Y</b> 11'34	
	13279 May 01 22:10	$\Pi$ °0		minimum elong	13280 Mar 25 20:27	14° <b>Y</b> ′02'50	
	13279 May 22 14:34	$0$ $\circ$ $\odot$		max. Earth dist.	13280 Apr 02 06:10	26° <b>Y</b> ′27'43	1.43157 AU
evening max el	13279 May 28 22:21	7° <b>©</b> 26′31	20°38'04		13280 Apr 04 10:31	0° <b>8</b>	
asc. node	13279 May 31 02:36	9° <b>©</b> 26'31		evening rise	13280 Apr 08 19:23	6° <b>8</b> 56'32	
retrograde	13279 Jun 06 02:27	12° <b>©</b> 09'53			13280 Apr 24 03:57	0°II	
evening set	13279 Jun 10 05:40	10°S32'49		evening max el	13280 May 10 18:10	21° <b>Ⅱ</b> 15'35	21°51'41
inferior conj	13279 Jun 15 11:54	4°525'31	3°12'09	asc. node	13280 May 16 23:46	25° <b>Ⅱ</b> 59'23	
minimum elong	13279 Jun 15 11:34	4°526'40	3°11'06	retrograde	13280 May 20 00:33	26° <b>Ⅱ</b> 41'44	
min. Earth dist.	13279 Jun 16 02:51	3°533'57	0.68377 AU	evening set	13280 May 24 14:34	24° <b>Ⅱ</b> 48'37	2002115
	13279 Jun 18 20:58	30°RⅡ		inferior conj	13280 May 29 20:58	18° <b>Ⅲ</b> 30'58	3°02'45
morning rise	13279 Jun 20 17:10	28° <b>Ⅱ</b> 05'31		minimum elong	13280 May 29 19:44	18° <b>Ⅱ</b> 35'16	3°01'37
direct	13279 Jun 26 03:18	25° <b>Ⅱ</b> 42'08 28° <b>Ⅱ</b> 47'28		min. Earth dist.	13280 May 29 22:40	18° <b>Ⅲ</b> 25'01 12° <b>Ⅲ</b> 16'42	0.68854 AU
desc. node	13279 Jul 03 06:14 13279 Jul 04 17:14	28°Щ47'28 0° <b>©</b>		morning rise direct	13280 Jun 04 00:42 13280 Jun 08 22:08	12°Щ16'42 10°Щ10'52	
morning max el	13279 Jul 04 17.14 13279 Jul 07 02:45	0 95 2°9516'14	22054120	morning max el	13280 Jun 18 14:23	10 <b>П</b> 10 32 15° <b>П</b> 52'55	22°25'10
morning max er	13279 Jul 07 02.43	2 9 10 14 0°Ω	25 34 29	desc. node	13280 Jun 19 03:22	15 <b>Ⅲ</b> 3233 16° <b>Ⅲ</b> 26'00	22 23 10
morning set	13279 Aug 11 09:10	22° <b>Ω</b> 43'15		dese. Hode	13280 Jun 30 03:16	0°95	
max. Earth dist.	13279 Aug 15 03:40	29°Ω16'23	1.38577 AU		13280 Jul 20 05:22	0° <b>Ω</b>	
max. Lartii dist.	13279 Aug 15 13:31	0° m)	1.50577710	morning set	13280 Jul 22 02:51	3°Ω03'28	
	19277 Hug 19 19.91	νγ		max. Earth dist.	13280 Jul 27 03:05		1.40913 AU
superior conj	13279 Aug 22 14:15	12° <b>m</b> 53'45	-0°41'06	man. Dartir dist.	13200 (41 27 03.00	11 0020 10	1.10715110
minimum elong	13279 Aug 22 17:10	13° <b>m</b> 07'30	0°40'58	superior conj	13280 Aug 03 23:08	24° <b>Ω</b> 57'38	-1°15'54
asc. node	13279 Aug 27 03:09	21° m/37'26		minimum elong	13280 Aug 04 04:47	25°Ω22'56	
	13279 Aug 31 09:36	0∘ <u>v</u>		· ·	13280 Aug 06 18:01	0° <b>m</b> )	
evening rise	13279 Aug 31 13:50	0° <b>ഫ</b> 20'43		asc. node	13280 Aug 12 23:45	11° <b>m</b> 35'00	
evening max el	13279 Sep 16 21:22	26° <b>≙</b> 57'45	18°55'55	evening rise	13280 Aug 14 04:06	13° <b>m</b> )48'01	
-	13279 Sep 20 18:53	$0^{\circ}$ M		_	13280 Aug 23 04:08	0∘ <b>⊽</b>	
retrograde	13279 Sep 25 13:37	1° <b>M</b> ₊18'49		evening max el	13280 Aug 30 03:07	9° <b>≏</b> 22'57	18°19'53
evening set	13279 Sep 27 10:33	1°ML07'27		retrograde	13280 Sep 06 13:59	13° <b>ഫ</b> 09'25	
desc. node	13279 Sep 29 02:49	0°M39'11		evening set	13280 Sep 08 16:23	12° <b>≏</b> 52'10	
	13279 Sep 30 15:47	30° <b>₽</b> Ω		desc. node	13280 Sep 15 00:20	9° <b>≙</b> 12'17	
inferior conj	13279 Oct 05 17:46	26° <b>≏</b> 50′12	-2°05'39	inferior conj	13280 Sep 16 05:06	8° <b>≏</b> 13'51	-0°22'31
minimum elong	13279 Oct 05 12:26	26° <b>≏</b> 59'34	2°03'11	minimum elong	13280 Sep 16 04:16	8° <b>≏</b> 15'34	0°22'09
min. Earth dist.	13279 Oct 08 16:42	24° <b>≏</b> 45'49	0.56491 AU	min. Earth dist.	13280 Sep 19 12:22	5° <b>₽</b> 31'32	0.58489 AU
morning rise	13279 Oct 13 11:12	22° <b>₽</b> 01'13		morning rise	13280 Sep 23 12:41	2° <b>≏</b> 48'39	
direct	13279 Oct 19 03:23	20° <b>≏</b> 44'43		direct	13280 Sep 29 19:11	1° <b>≏</b> 04'49	
morning max el	13279 Nov 02 07:50	28° <b>ഫ</b> 03'00	26°09'39	morning max el	13280 Oct 14 02:49	8° <b>≏</b> 44'50	27°21'13
	13279 Nov 04 06:12	0° <b>™</b>			13280 Oct 30 07:05	0° <b>™</b>	
asc. node	13279 Nov 23 04:47	28°M04'58		asc. node	13280 Nov 09 01:37	17° <b>M</b> ₊30'51	
	13279 Nov 24 04:57	0° <b>∡</b>		morning set	13280 Nov 13 23:57	27°M37'00	
morning set	13279 Nov 30 15:42	13° <b>∡</b> 10′08			13280 Nov 15 02:41	0° <b>∡</b> ¹	
	10000 7 07 17	202 = 2 = : :	100005		1000037	100 =	100115
superior conj	13279 Dec 07 10:35	28° <b>×</b> <sup>7</sup> 07'11	1°37'26	superior conj	13280 Nov 20 22:14	12° 🗷 49'50	1°31'24
minimum elong	13279 Dec 07 10:00	28° <b>₹</b> '03'58	1°38'27	minimum elong	13280 Nov 20 20:45	12° 🗷 41'29	1°32'13
m at 11 ·	13279 Dec 08 06:54	0°る	1 21562 433	max. Earth dist.	13280 Nov 20 17:26	12° <b>×</b> 23'02	1.31223 AU
max. Earth dist.	13279 Dec 08 08:57	0° <b>る</b> 11'26	1.31563 AU	evening rise	13280 Nov 27 16:23	27° <b>∡</b> ′43′02	
evening rise	13279 Dec 14 10:16	13° <b>る</b> 19'06			13280 Nov 28 18:11	0° <b>ろ</b>	

desc. node	13280 Dec 11 21:29	24° <b>る</b> 34'50		evening rise	13281 Nov 12 01:55	12° <b>∡</b> 13'34	
	13280 Dec 15 09:32	0° <b>≈</b>			13281 Nov 20 22:20	0°ප	
evening max el	13280 Dec 27 08:33	14° <b>≈</b> 37'53	26°40'26	desc. node	13281 Nov 28 18:35	12° <b>る</b> 57'55	
retrograde	13281 Jan 10 07:26	21° <b>≈</b> 46′02		evening max el	13281 Dec 09 02:12	25° <b>る</b> 32'28	25°24'53
evening set	13281 Jan 16 21:49	19° <b>≈</b> 58′08			13281 Dec 14 19:20	0° <b>≈</b>	
min. Earth dist.	13281 Jan 20 22:29	17° <b>≈</b> 20'42	0.59134 AU	retrograde	13281 Dec 22 22:42	2° <b>≈</b> 30'37	
inferior conj	13281 Jan 24 02:32	14° <b>≈</b> 53'26	-3°42'14	evening set	13281 Dec 28 20:12	1°≈11'23	
minimum elong	13281 Jan 24 10:21	14° <b>≈</b> 38'14		8	13281 Dec 31 04:56	30°Rる	
morning rise	13281 Feb 01 01:53	10°≈17'06	3 30 .,	min. Earth dist.	13282 Jan 02 14:22	28° <b>云</b> 31'53	0.57101 AU
direct	13281 Feb 03 02:58	10°≈02'05		inferior conj	13282 Jan 05 10:19	26° <b>ප</b> 37'51	
				,			
asc. node	13281 Feb 05 00:26	10°≈15'33	1001604	minimum elong	13282 Jan 05 18:53	26°る23'25	4°55'42
morning max el	13281 Feb 10 23:08	13° <b>≈</b> 54'56	18°16'34	morning rise	13282 Jan 13 20:05	22° <b>る</b> 23'59	
	13281 Feb 21 21:15	0° <b>ℋ</b>		direct	13282 Jan 16 00:26	22° <b>ろ</b> 09'49	
morning set	13281 Feb 26 16:16	8° <b>升</b> 55'38		asc. node	13282 Jan 22 21:47	24° <b>る</b> 41'59	
				morning max el	13282 Jan 25 01:59	26° <b>る</b> 33'52	19°02'27
superior conj	13281 Mar 08 02:40	26° <b>)</b> 32′51	0°14'39		13282 Jan 28 03:21	0° <b>≈</b>	
minimum elong	13281 Mar 08 03:45	26° <b>)</b> €37'48	0°14'38	morning set	13282 Feb 10 15:39	23°≈16'58	
behind sun begin	13281 Mar 08 00:47	26° <b>¥</b> 24'19		Č	13282 Feb 14 01:09	0° <b>)</b> €	
behind sun end	13281 Mar 08 06:43	26° <b>X</b> 51'16			15202100 11 01.05	٠,٨	
desc. node	13281 Mar 09 22:43	29° <b>X</b> 51'13		superior conj	13282 Feb 19 01:11	9° <b>¥</b> 44'45	0°45'18
desc. node		29 <b>γ</b> (3113					
	13281 Mar 10 00:41			minimum elong	13282 Feb 19 03:44	9° <b>)</b> ₹56'57	0°45'21
max. Earth dist.	13281 Mar 15 16:44	9° <b>Y</b> ′52'37	1.41161 AU	desc. node	13282 Feb 24 19:15	20° <b>¥</b> 27'43	
evening rise	13281 Mar 20 08:34	17° <b>Ƴ</b> 38'16		max. Earth dist.	13282 Feb 25 23:43	22° <b>)</b> ₹35′42	1.38927 AU
	13281 Mar 28 04:07	$9^{\circ}$ 8		evening rise	13282 Mar 01 19:00	29° <b>∺</b> 15′29	
	13281 Apr 18 18:36	$\Pi^{\circ}0$			13282 Mar 02 05:24	$0$ ° $\Upsilon$	
evening max el	13281 Apr 23 09:59	5° <b>Ⅱ</b> 06'03	23°11'41		13282 Mar 21 13:35	0°B	
retrograde	13281 May 03 20:22	11° <b>Ⅱ</b> 14'45		evening max el	13282 Apr 05 23:45	18° <b>8</b> 58'17	24°31'54
asc. node	13281 May 03 21:03	11° <b>Ⅱ</b> 14'45		retrograde	13282 Apr 17 12:46	25° <b>8</b> 43'30	
evening set	13281 May 08 21:50	9°П06'56		asc. node	13282 Apr 20 18:25	24° <b>8</b> 57'11	
inferior conj	13281 May 14 06:30	2° <b>∏</b> 41′21	2°43'01	evening set	13282 Apr 23 01:56	23° <b>8</b> 23'26	
•	•			- C		_	0.60204.411
minimum elong	13281 May 14 04:38	2° <b>Ⅱ</b> 47'50	2°41'47	min. Earth dist.	13282 Apr 27 15:02	_	0.68394 AU
min. Earth dist.	13281 May 13 19:25	3° <b>Ⅱ</b> 19'38	0.68856 AU	inferior conj	13282 Apr 28 14:38	16° <b>8</b> 53'17	
	13281 May 16 06:27	30° <b>₹</b> 8		minimum elong	13282 Apr 28 12:29	17° <b>8</b> 00'30	2°11'56
morning rise	13281 May 19 11:21	26° <b>8</b> 34'13		morning rise	13282 May 03 23:12	10° <b>8</b> 54'22	
direct	13281 May 23 19:56	24° <b>8</b> 48'49		direct	13282 May 07 19:25	9° <b>8</b> 29'57	
morning max el	13281 Jun 01 06:50	29° <b>8</b> 39'57	21°02'04	morning max el	13282 May 15 06:28	13° <b>8</b> 39'14	19°50'47
	13281 Jun 01 14:48	$\Pi^{\circ}0$		desc. node	13282 May 23 21:15	24° <b>8</b> 13'02	
desc. node	13281 Jun 06 00:22	4° <b>∏</b> 59'26			13282 May 27 22:49	0°II	
dese. Hode	13281 Jun 23 19:01	0°95		morning set	13282 Jun 10 22:01	21° <b>∏</b> 00'21	
mamina sat	13281 Jul 01 19:56	12° <b>©</b> 19'38		morning set	13282 Jun 16 17:27	0°95	
morning set			1 42010 411	n d ti			1 44620 477
max. Earth dist.	13281 Jul 09 08:54	24° <b>©</b> 20'22	1.43010 AU	max. Earth dist.	13282 Jun 21 21:16	8° <b>©</b> 06'46	1.44620 AU
	13281 Jul 12 19:39	$0$ $\circ$ $\Omega$					
				superior conj	13282 Jun 26 22:34	16° <b>©</b> 12'19	
superior conj	13281 Jul 16 10:46	6° <b>Ω</b> 05'04	-1°47'07	minimum elong	13282 Jun 27 03:26	16° <b>©</b> 31'56	2°09'11
minimum elong	13281 Jul 16 17:55	6° <b>Ω</b> 35′27	1°47'19		13282 Jul 05 07:47	$0^{\circ}\Omega$	
evening rise	13281 Jul 28 04:33	26° <b>Ω</b> 37'08		evening rise	13282 Jul 10 10:11	8° <b>Ω</b> 36′18	
-	13281 Jul 30 02:00	0° <b>m</b> y		asc. node	13282 Jul 17 17:11	20° <b>Ω</b> 54'00	
asc. node	13281 Jul 30 20:25	1° m/22'01			13282 Jul 23 13:34	0° <b>m</b> )	
evening max el	13281 Aug 13 15:00	22° m/20'37	18°03'53	evening max el	13282 Jul 28 05:17	5° m) 42'03	18°06'52
retrograde	13281 Aug 20 07:44	25° m/47'00	10 03 33	retrograde	13282 Aug 03 14:20	9° m <sub>0</sub> 02'29	10 00 52
•	-			-	•		
evening set	13281 Aug 22 17:45	25° Tp 20'07	1000121	evening set	13282 Aug 06 08:35	8° My 22'56	2000110
inferior conj	13281 Aug 29 12:51	20° TD 21'24	1°00'31	inferior conj	13282 Aug 12 13:21	3°M)06'15	
minimum elong	13281 Aug 29 14:36	20° Mp 17'13	0°59'38	minimum elong	13282 Aug 12 15:52	2° <b>m</b> 59'24	1°59'32
min. Earth dist.	13281 Sep 01 16:42	17° <b>m</b> 21'25	0.60756 AU		13282 Aug 15 10:40	$30^\circ$ R $\Omega$	
desc. node	13281 Sep 01 21:53	17° <b>m</b> 09'44		min. Earth dist.	13282 Aug 15 06:49	0° <b>™</b> 09'58	0.63005 AU
morning rise	13281 Sep 05 08:34	14° <b>m</b> 27'21		morning rise	13282 Aug 18 21:09	26° <b>Ω</b> 53'39	
direct	13281 Sep 11 23:00	12° mp 17'43		desc. node	13282 Aug 19 19:22	26° <b>Ω</b> 14'53	
morning max el	13281 Sep 26 05:22	20° m) 12'54	27°55'46	direct	13282 Aug 25 13:13	24° <b>Ω</b> 24'26	
	13281 Oct 04 15:16	0° <u>م</u>	<b>.</b>		13282 Sep 05 23:13	0° m)	
	13281 Oct 04 15:10 13281 Oct 23 05:43	0° <b>m</b> .		morning max el	13282 Sep 03 23:13 13282 Sep 08 13:31	2°M) 26'24	27051125
aca mc 1-				morning max er	=		21 3123
asc. node	13281 Oct 26 22:22	7°M14'18		•	13282 Sep 29 00:11	0∘ <b>⊽</b>	
morning set	13281 Oct 29 03:38	11°M47'20		morning set	13282 Oct 13 00:32	25° <b>≏</b> 36'05	
max. Earth dist.	13281 Nov 04 00:58	24°M28'12	1.31396 AU	asc. node	13282 Oct 13 19:02	27° <b>≏</b> 10′02	
					13282 Oct 15 04:04	$0^{\circ}$ M	
superior conj	13281 Nov 05 09:05	27° <b>M</b> 26'07	1°19'37	max. Earth dist.	13282 Oct 18 03:34	6° <b>™</b> 17'24	1.32102 AU
minimum elong	13281 Nov 05 06:59	27°M14'26	1°20'08				
-	13281 Nov 06 12:46	0° <b>∡</b> ″		superior conj	13282 Oct 20 17:15	11° <b>M</b> 51'09	1°02'10
				. ,			

minimum elong	13282 Oct 20 14:59	11°M38'48	1°02'24	minimum elong	13283 Oct 04 18:47	25° <b>≙</b> 49'57	0°39'14
evening rise	13282 Oct 27 13:00	26°M46'01			13283 Oct 06 17:41	$0^{\circ}$ M	
	13282 Oct 29 01:21	0° <b>∡</b> ¹		evening rise	13283 Oct 11 23:46	11° <b>M</b> 15'58	
	13282 Nov 15 09:38	5°0			13283 Oct 21 12:35	0° <b>∡</b> ¹	
desc. node	13282 Nov 15 15:47	0° <b>る</b> 19'24		evening max el	13283 Nov 02 00:27	15° <b>∡</b> ⁴47'05	22°06'17
evening max el	13282 Nov 20 12:56		23°47'45	desc. node	13283 Nov 02 13:04	16° <b>∡</b> 17'21	
retrograde	13282 Dec 04 01:30	12° <b>る</b> 28'58		retrograde	13283 Nov 14 16:29	22° <b>₹</b> 04'01	
evening set	13282 Dec 08 18:43	11° <b>る</b> 40'26		evening set	13283 Nov 17 23:51	21° <b>₹</b> ³39'46	
min. Earth dist.	13282 Dec 14 23:41	8° <b>る</b> 39'40	0.55493 AU	inferior conj	13283 Nov 26 17:01	17° <b>∡</b> ¹44'34	-5°48'53
inferior conj	13282 Dec 16 21:27	7° <b>る</b> 31'30		minimum elong	13283 Nov 26 12:26	17° <b>∡</b> 751′00	5°47'30
minimum elong	13282 Dec 17 01:38	7° <b>る</b> 25'14	5°47'22	min. Earth dist.	13283 Nov 26 06:16	17° <b>∡</b> 59'39	0.54612 AU
morning rise	13282 Dec 25 10:24	3° <b>ප</b> 36'37		morning rise	13283 Dec 05 02:08	13° <b>∡</b> ′57′21	
direct	13282 Dec 28 02:03	3° <b>⋜</b> 19'03		direct	13283 Dec 08 13:11	13° <b>∡</b> ³30'45	
morning max el	13283 Jan 07 16:12	8° <b>る</b> 22'59	20°11'16	morning max el	13283 Dec 20 15:58	19° <b>∡</b> 18′20 −	21°42'07
asc. node	13283 Jan 09 19:04	10° <b>ට</b> 36'41		asc. node	13283 Dec 27 16:13	27° <b>∡</b> ¹42'53	
	13283 Jan 21 23:00	0° <b>≈</b>			13283 Dec 29 04:55	0°る	
morning set	13283 Jan 25 21:33	7° <b>≈</b> 53'33		morning set	13284 Jan 10 07:24	22° <b>る</b> 38'04	
					13284 Jan 13 18:55	0° <b>≈</b>	
superior conj	13283 Feb 02 13:24	23°≈33'21	1°08'50		100011 15 11 00	<b>5</b> 0 4 <b>5</b> 140	1005115
minimum elong	13283 Feb 02 16:09	23°≈47'05	1°09'10	superior conj	13284 Jan 17 11:28		1°25'15
en al en a	13283 Feb 05 19:33	0° <b>\</b>	1.04504.444	minimum elong	13284 Jan 17 13:37	7°≈58'59	1°25'55
max. Earth dist.	13283 Feb 08 06:27	4° <b>)</b> 42′53	1.36706 AU	max. Earth dist.	13284 Jan 21 18:04	16°≈34'34	1.34727 AU
desc. node	13283 Feb 11 15:48	11° <b>)</b> €00′29		evening rise	13284 Jan 25 23:09	24°≈49'16	
evening rise	13283 Feb 12 00:58	11° <b>)</b> 42'04 0° <b>°</b>			13284 Jan 28 17:38	0° <b>)</b> (25144	
	13283 Feb 22 19:47			desc. node	13284 Jan 29 12:26	1° <b>)</b> 25′44 0° <b>°</b>	
	13283 Mar 16 19:34	0°8	25945120		13284 Feb 16 08:25	16° <b>Ƴ</b> 34'47	26945100
evening max el	13283 Mar 19 13:07	2° <b>8</b> 49'40 10° <b>8</b> 00'41	25°45'29	evening max el	13284 Mar 01 02:52	23° <b>Y</b> 58'57	26°45'00
retrograde	13283 Apr 01 00:42	7° <b>8</b> 32'03		retrograde	13284 Mar 14 07:08	23° <b>Y</b> 38'37 21° <b>Y</b> 26'45	
evening set asc. node	13283 Apr 07 01:10	6° <b>8</b> 59'51		evening set asc. node	13284 Mar 20 17:43	21 γ 2043 17° <b>Υ</b> 39'38	
min. Earth dist.	13283 Apr 07 15:50 13283 Apr 11 07:24	2° <b>8</b> 56'13	0.67493 AU	min. Earth dist.	13284 Mar 24 13:15 13284 Mar 24 18:22	17 <b>Y</b> 39 38	0.66182 AU
inferior conj	13283 Apr 12 19:23	1° <b>8</b> 02'01	1°33'01	inferior conj	13284 Mar 26 18:36	17 1 24 38 15° <b>Υ</b> 02'52	0.00182 AU 0°42'01
minimum elong	13283 Apr 12 17:27	1° <b>8</b> 08'12	1°31'56	minimum elong	13284 Mar 26 17:31	15° <b>Υ</b> 06'03	0°41'26
minimum ciong	13283 Apr 13 15:04	1 008 12 30°RΥ	1 31 30	morning rise	13284 Apr 01 18:31	9° <b>Υ</b> 24'35	0 41 20
morning rise	13283 Apr 18 10:19	25° <b>Υ</b> 12'33		direct	13284 Apr 04 17:01	8° <b>Υ</b> 36'51	
direct	13283 Apr 21 19:04	24° <b>Υ</b> 07'46		morning max el	13284 Apr 11 02:43	11° <b>Υ</b> 59'39	18°14'38
morning max el	13283 Apr 28 13:33	27° <b>Y</b> '47'33	18°54'28	morning max er	13284 Apr 24 02:33	0°8	10 1430
morning max cr	13283 Apr 30 15:10	0°8	10 5420	desc. node	13284 Apr 26 14:41	3° <b>8</b> 59'00	
desc. node	13283 May 10 18:00	13° <b>8</b> 55'27		morning set	13284 Apr 30 12:48	10° <b>8</b> 15'35	
greatest brilliancy	13283 May 12 02:32	15° <b>8</b> 58'22	-0.8m	morning sec	13284 May 12 23:18	0°II	
morning set	13283 May 21 05:30	0° <b>I</b> I01'55	0.0111		1520 : 1144 12 25:10	~ ~	
	13283 May 21 05:01	0°II		superior conj	13284 May 15 21:34	4° <b>∏</b> 35'22	-1°56'56
max. Earth dist.	13283 Jun 04 14:08		1.45584 AU	minimum elong	13284 May 15 13:10	4° <b>∏</b> 02'30	
				max. Earth dist.	13284 May 17 09:44	6° <b>Ⅱ</b> 56'43	1.45820 AU
superior conj	13283 Jun 06 13:53	25° <b>Ⅱ</b> 30'33	-2°12'47	evening rise	13284 May 31 22:18	29° <b>Ⅱ</b> 34'16	
minimum elong	13283 Jun 06 11:43	25° <b>II</b> 22'03		, and the second	13284 Jun 01 04:54	0ಂತಾ	
· ·	13283 Jun 09 10:23	0ං <b>ම</b>		greatest brilliancy	13284 Jun 11 23:30	16° <b>©</b> 40'22	-0.8m
evening rise	13283 Jun 21 16:17	19° <b>©</b> 34'29		asc. node	13284 Jun 20 10:54	28° <b>©</b> 45'33	
	13283 Jun 28 03:04	$0^{\circ}\Omega$			13284 Jun 21 10:48	$0^{\circ}\Omega$	
asc. node	13283 Jul 04 14:00	10° <b>Ω</b> 04'27		evening max el	13284 Jun 24 04:38	3° <b>Ω</b> 03′15	19°06'30
evening max el	13283 Jul 11 18:42	19° <b>Ω</b> 18'36	18°28'05	retrograde	13284 Jul 01 01:32	6° <b>Q</b> 51'32	
retrograde	13283 Jul 18 05:26	22° <b>Ω</b> 46'33		evening set	13284 Jul 04 13:25	5° <b>Ω</b> 40'42	
evening set	13283 Jul 21 08:16	21° <b>Q</b> 52'06			13284 Jul 09 22:33	30° <b>₹</b> ∽	
inferior conj	13283 Jul 27 02:27	16° <b>Ω</b> 19'27	2°40'44	inferior conj	13284 Jul 10 00:33	29° <b>©</b> 53'34	3°03'41
minimum elong	13283 Jul 27 04:37	16° <b>Ω</b> 12'57	2°39'31	minimum elong	13284 Jul 10 01:50	29° <b>5</b> 49'24	3°02'35
min. Earth dist.	13283 Jul 29 06:15	13° <b>Ω</b> 45′07	0.65022 AU	min. Earth dist.	13284 Jul 11 13:44	27° <b>9</b> 54'04	0.66677 AU
morning rise	13283 Aug 01 23:46	9° <b>Ω</b> 57'49		morning rise	13284 Jul 15 13:37	23° <b>©</b> 29'35	
desc. node	13283 Aug 06 16:48	7° <b>Ω</b> 29'55		direct	13284 Jul 21 17:45	20° <b>©</b> 49'52	
direct	13283 Aug 08 12:01	7° <b>Ω</b> 18'17		desc. node	13284 Jul 23 14:10	21° <b>©</b> 02'27	
morning max el	13283 Aug 22 00:12	15° <b>Ω</b> 14'42	27°12'47	morning max el	13284 Aug 03 11:05	28° <b>©</b> 25'26	26°07'41
	13283 Sep 03 02:27	0° <b>m</b>			13284 Aug 04 23:16	$0^{\circ}\Omega$	
	13283 Sep 21 17:59	0∘ <b>⊽</b>			13284 Aug 26 20:42	0° <b>™</b>	
morning set	13283 Sep 26 12:00	8° <b>≏</b> 56'57		morning set	13284 Sep 08 10:33	21° m/40'30	
asc. node	13283 Sep 30 15:40	17° <b>≙</b> 13'33		max. Earth dist.	13284 Sep 12 05:45	28° m 52'38	1.35097 AU
max. Earth dist.	13283 Sep 30 21:42	17° <b>≏</b> 44′28	1.33345 AU	_	13284 Sep 12 19:37	0∘ <b>⊽</b>	
	12202 0 . 01 201	250 2 50:05	0020114	asc. node	13284 Sep 16 12:13	7° <b>ჲ</b> 20'01	
superior conj	13283 Oct 04 20:36	25° <b>≏</b> 59'37	0~39'14				

superior conj	13284 Sep 17 16:33	9° <b>Ω</b> 43'59	0°11'09	morning set	13285 Aug 21 16:08	3°m/37'16	
minimum elong	13284 Sep 17 15:55	9° <b>£</b> 40'46	0°11'06	max. Earth dist.	13285 Aug 25 06:01	10° <b>m</b> 02'19	1.37248 AU
behind sun begin	13284 Sep 17 11:31	9° <b>₾</b> 18'20					-10, -10, 110
behind sun end	13284 Sep 17 20:18	10° <b>£</b> 03'13		superior conj	13285 Sep 01 02:00	22° m/56'48	-0°21'11
evening rise	13284 Sep 25 08:12	25° <b>≏</b> 37'13		minimum elong	13285 Sep 01 03:24	23° <b>m</b> 03'39	0°21'09
Č	13284 Sep 27 11:19	0° <b>M</b> .		asc. node	13285 Sep 03 08:47	27° m/26'10	
evening max el	13284 Oct 13 21:55	26°M14'55	20°36'14		13285 Sep 04 15:42	0∘ <b>⊽</b>	
	13284 Oct 18 16:40	0° <b>∡</b> ¹		evening rise	13285 Sep 09 11:59	9° <b>≏</b> 44'10	
desc. node	13284 Oct 19 10:26	0° <b>∡</b> ¹23'56			13285 Sep 20 12:53	$0^{\circ}$ M	
retrograde	13284 Oct 25 03:05	1° <b>∡¹</b> 49'17		evening max el	13285 Sep 26 09:30	7°M28'49	19°26'07
evening set	13284 Oct 27 09:12	1° <b>∡</b> ³36'46		retrograde	13285 Oct 05 22:47	12°M15'27	
	13284 Nov 01 02:50	30°RML		desc. node	13285 Oct 06 07:52	12°M15'01	
inferior conj	13284 Nov 05 08:54	27°M42'01	-4°49'33	evening set	13285 Oct 07 19:32	12°M05'19	
minimum elong	13284 Nov 04 22:56	27°M56'24	4°46'13	inferior conj	13285 Oct 16 11:38	7°M58'10	-3°09'14
min. Earth dist.	13284 Nov 06 12:57	27°ML01'33	0.54646 AU	minimum elong	13285 Oct 16 03:34	8°M11'13	3°05'46
morning rise	13284 Nov 13 12:27	23°M44'12		min. Earth dist.	13285 Oct 18 22:45	6° <b>™</b> 22'49	0.55597 AU
direct	13284 Nov 17 21:48	23°M02'50		morning rise	13285 Oct 24 09:26	3° <b>M</b> ₃30'48	
morning max el	13284 Dec 01 04:35	29°M30'28	23°28'26	direct	13285 Oct 29 15:07	2°M29′06	
	13284 Dec 01 16:53	0° <b>∡</b> ¹		morning max el	13285 Nov 12 14:35	9° <b>™</b> 30'19	25°15'22
asc. node	13284 Dec 13 13:17	15° <b>∡</b> 743'40			13285 Nov 27 21:53	0° <b>∡</b> ¹	
	13284 Dec 21 05:54	0°る		asc. node	13285 Nov 30 10:16	4° <b>₹</b> 25'46	
morning set	13284 Dec 24 19:03	7° <b>る</b> 23'57		morning set	13285 Dec 09 06:46	22° <b>∡</b> ¹06'29	
	12204D 21 16 17	220710140	1024157		13285 Dec 12 21:33	0°₹	
superior conj minimum elong	13284 Dec 31 16:17 13284 Dec 31 17:25	22°る18'40 22°る24'50	1°34'56 1°35'52	aumorior coni	13285 Dec 16 01:22	6° <b>る</b> 59'07	1020116
max. Earth dist.	13284 Dec 31 17.23 13285 Jan 03 13:31	22 <b>3</b> 2430 28° <b>3</b> 28'53	1.33132 AU	superior conj minimum elong	13285 Dec 16 01:24	6° <b>ろ</b> 59'18	1°39'17
max. Earm dist.	13285 Jan 04 06:50	28 <b>⊙</b> 28 33	1.55152 AU	max. Earth dist.	13285 Dec 16 01.24 13285 Dec 17 16:12	10°る3918	1.31996 AU
evening rise	13285 Jan 08 09:57	0 ≈ 8°≈27'07		evening rise	13285 Dec 23 06:16	10 <b>3</b> 3243 22° <b>る</b> 28'04	1.31990 AU
desc. node	13285 Jan 15 09:08	3 ≈2707 21°≈38'10		evening rise	13285 Dec 27 00:17	0°≈	
dese. Hode	13285 Jan 20 05:30	0°¥		desc. node	13286 Jan 02 05:56	0 <b>~</b> 11° <b>≈</b> 32'01	
evening max el	13285 Feb 11 16:12	0° <b>Υ</b> '03'02	27°23'06	desc. node	13286 Jan 14 01:27	0° <b>₩</b>	
evening max or	13285 Feb 11 14:56	0°Υ	27 23 00	evening max el	13286 Jan 25 03:01	13° <b>₩</b> 01'15	27°32'55
retrograde	13285 Feb 25 07:03	7° <b>Υ</b> 29'45		retrograde	13286 Feb 07 23:34	20° <b>)</b> 23'48	2, 3200
evening set	13285 Mar 04 01:25	4°Υ′59'58		evening set	13286 Feb 14 21:42	18° <b>₩</b> 03'41	
min. Earth dist.	13285 Mar 07 21:46	1° <b>Y</b> 30'04	0.64502 AU	min. Earth dist.	13286 Feb 18 15:44	15° <b>₩</b> 01'17	0.62527 AU
	13285 Mar 09 07:37	30° <b>₹</b> ₩		inferior conj	13286 Feb 21 13:48	12° <b>)</b> 13'46	-1°33'15
inferior conj	13285 Mar 10 09:44	28° <b>)</b> 49′24	-0°20'13	minimum elong	13286 Feb 21 16:58	12° <b>)</b> 06′11	1°31'33
minimum elong	13285 Mar 10 10:20	28° <b>)</b> 47′46	0°19'51	asc. node	13286 Feb 26 08:10	8° <b>¥</b> 13'50	
asc. node	13285 Mar 11 10:42	27° <b>)</b> €43'06		morning rise	13286 Feb 28 14:52	7° <b>)</b> €05'54	
morning rise	13285 Mar 16 21:11	23° <b>)</b> €24'49		direct	13286 Mar 02 21:24	6° <b>)</b> 42′11	
direct	13285 Mar 19 10:50	22° <b>∺</b> 50′50		morning max el	13286 Mar 09 13:12	10° <b>米</b> 05′16	17°46'49
morning max el	13285 Mar 25 19:35	26° <b>)</b> €08'24	17°51'58		13286 Mar 22 21:02	$0^{\circ}\Upsilon$	
	13285 Mar 29 03:59	$0^{\circ}$ Y		morning set	13286 Mar 25 12:23	4° <b>Ƴ</b> 37'43	
morning set	13285 Apr 12 00:35	21° <b>Y</b> 52'38		desc. node	13286 Mar 31 07:51	14° <b>Ƴ</b> 46'19	
desc. node	13285 Apr 13 11:18	24° <b>Y</b> 17'42					
	13285 Apr 16 21:38	$8^{\circ 0}$		superior conj	13286 Apr 06 06:47	24° <b>Y</b> ′53′14	
				minimum elong	13286 Apr 06 02:20	24° <b>Y</b> 34'36	0°44'57
superior conj	13285 Apr 25 15:16	14° <b>8</b> 13'03		T d E d	13286 Apr 09 08:58	0°8	1 44104 411
minimum elong	13285 Apr 25 06:52	13° <b>8</b> 39'22		max. Earth dist.	13286 Apr 12 23:19	5° <b>8</b> 50'17	1.44104 AU
max. Earth dist.	13285 Apr 30 05:49	0° <b>I</b>	1.45307 AU	evening rise	13286 Apr 21 00:51	18° <b>8</b> 32'01 0° <b>Ⅱ</b>	
avanina riaa	13285 May 05 15:51	0° <b>Д</b> 9° <b>Д</b> 00'41			13286 Apr 28 13:55	0. 0. П	
evening rise	13285 May 11 12:10 13285 May 25 10:59	9 <b>ப</b> 0041 0° <b>9</b>		evening max el	13286 May 20 16:37 13286 May 21 08:09	0°939'52	21°08'13
greatest brilliancy	13285 May 26 10:39	1° <b>9</b> 25'32	-0.6m	asc. node	13286 May 25 05:02	3°957'52	21 06 13
asc. node	13285 Jun 07 07:54	16°947'49	-0.0111	retrograde	13286 May 29 22:55	5°931'07	
evening max el	13285 Jun 07 09:22	16°951'29	20°00'40	evening set	13286 Jun 03 06:43	3°956'53	
retrograde	13285 Jun 15 00:05	21°9511'49	20 00 70	overning set	13286 Jun 06 21:05	30°RⅡ	
evening set	13285 Jun 18 21:34	19°5944'06		inferior conj	13286 Jun 08 12:42	27° <b>Ⅱ</b> 44'45	3°09'26
inferior conj	13285 Jun 24 04:47	13°943'39	3°12'33	minimum elong	13286 Jun 08 11:58	27° <b>I</b> I47'18	3°08'23
minimum elong	13285 Jun 24 05:02	13°5642'49	3°11'32	min. Earth dist.	13286 Jun 08 21:51	27° <b>I</b> I12'56	0.68637 AU
min. Earth dist.	13285 Jun 25 03:34	12°526'32	0.67893 AU	morning rise	13286 Jun 13 17:01	21° <b>II</b> 27'05	
morning rise	13285 Jun 29 12:09	7°521'36	-	direct	13286 Jun 18 21:42	19° <b>Ⅱ</b> 10'59	
direct	13285 Jul 05 05:20	4°950'28		desc. node	13286 Jun 27 08:40	23° <b>Ⅲ</b> 30′19	
desc. node	13285 Jul 10 11:27	6°931'51		morning max el	13286 Jun 29 08:05	25° <b>Ⅲ</b> 23'19	23°16'17
morning max el	13285 Jul 16 21:27	11° <b>©</b> 50'11	24°45'37	-	13286 Jul 03 12:29	0°99	
	13285 Jul 31 10:57	$0^{\circ}\Omega$			13286 Jul 24 22:30	$0^{\circ}\Omega$	
	13285 Aug 19 14:14	0° <b>m</b> y		morning set	13286 Aug 03 00:05	14° <b>Ω</b> 35'42	

13288 May 12 13:29

morning rise

20°800'44

13287 Jun 28 04:40

0ಂತಾ

direct	12200 May 16 16:42	18° <b>8</b> 24'13		daga mada	12200 May 17 22:22	19° <b>8</b> 53'24	
direct	13288 May 16 16:43 13288 May 24 16:42	22° <b>8</b> 56'31	20°30'00	desc. node	13289 May 17 23:32	23° <b>8</b> 33'01	-0.7m
morning max el	13288 May 30 18:29	0°Ⅱ	20 30 00	greatest brilliancy	13289 May 20 11:45 13289 May 24 19:17	23 <b>O</b> 3301 0° <b>Ⅱ</b>	-U. /III
desc. node	13288 May 31 02:42	0° <b>П</b> 26'37		morning set	13289 Jun 01 17:14	12° <b>∏</b> 04'51	
desc. node	13288 Jun 20 10:53	0°95		morning set	13289 Jun 13 06:03	0°95	
morning set	13288 Jun 22 15:44	3°\$23'32		max. Earth dist.	13289 Jun 14 04:32	1° <b>©</b> 28'26	1.45117 AU
max. Earth dist.	13288 Jul 01 13:42	17° <b>©</b> 26'16	1.43761 AU	max. Latin dist.	1320) Juli 14 04.32	1 32020	1.43117 AO
max. Lartii dist.	13200 Jul 01 13.42	17 32010	1.43701 AO	superior conj	13289 Jun 18 01:08	7° <b>©</b> 35'08	-2°12'39
superior conj	13288 Jul 07 23:02	27° <b>©</b> 51'45	-1°57'47	minimum elong	13289 Jun 18 03:26	7° <b>9</b> 33'00	
minimum elong	13288 Jul 08 05:50	28°9519'58		minimum crong	13289 Jul 01 19:33	0°Ω	2 13 30
minimum crong	13288 Jul 09 05:52	0°Ω	1 30 13	evening rise	13289 Jul 02 06:17	0° <b>Ω</b> 44'34	
evening rise	13288 Jul 20 10:18	19° <b>Ω</b> 10'57		asc. node	13289 Jul 11 19:27	16° <b>Ω</b> 26'47	
asc. node	13288 Jul 24 22:41	27° <b>Ω</b> 03'17		evening max el	13289 Jul 20 22:16	28° <b>Ω</b> 49'26	18°13'46
	13288 Jul 26 15:53	0° m)		<i>y</i>	13289 Jul 22 05:20	0° m)	
evening max el	13288 Aug 06 07:58	15° m) 20'35	18°02'59	retrograde	13289 Jul 27 06:46	2° m) 11'12	
retrograde	13288 Aug 12 20:06	18° <b>m</b> 42'23		evening set	13289 Jul 30 04:44	1° m/25'21	
evening set	13288 Aug 15 09:39	18° <b>m</b> ) 10'24		C	13289 Aug 01 06:53	30°RΩ	
inferior conj	13288 Aug 21 22:14	13° Mp 04'01	1°28'45	inferior conj	13289 Aug 05 04:31	26° <b>Ω</b> 01'31	2°20'02
minimum elong	13288 Aug 22 00:29	12° <b>m</b> 58'18	1°27'36	minimum elong	13289 Aug 05 06:59	25° <b>Ω</b> 54'31	2°18'44
min. Earth dist.	13288 Aug 24 22:23	10° <b>m</b> 03'03	0.61731 AU	min. Earth dist.	13289 Aug 07 16:19	23° <b>Ω</b> 12'59	0.63902 AU
desc. node	13288 Aug 27 00:25	8° <b>m</b> ) 10'24		morning rise	13289 Aug 11 07:39	19° <b>Ω</b> 44'24	
morning rise	13288 Aug 28 12:48	7° <b>m</b> 01'06		desc. node	13289 Aug 13 21:54	18° <b>Ω</b> 06′13	
direct	13288 Sep 04 04:55	4° <b>m</b> 41'53		direct	13289 Aug 17 22:44	17° <b>Ω</b> 09'47	
morning max el	13288 Sep 18 09:00	12° Mp 41'00	27°58'26	morning max el	13289 Aug 31 18:24	25° <b>Ω</b> 10′06	27°38'50
	13288 Oct 02 04:08	0∘ <b>⊽</b>			13289 Sep 05 04:22	0° <b>m</b>	
	13288 Oct 19 12:18	$0^{\circ}$ M			13289 Sep 25 15:53	0∘ <b>⊽</b>	
asc. node	13288 Oct 21 00:38	3°M02'28		morning set	13289 Oct 05 17:39	18° <b>≏</b> 41'42	
morning set	13288 Oct 22 00:27	5° <b>M</b> ₊04'13		asc. node	13289 Oct 07 21:15	23° <b>≏</b> 01'51	
max. Earth dist.	13288 Oct 27 13:40	16°M52'44	1.31632 AU	max. Earth dist.	13289 Oct 10 13:10	28° <b>≏</b> 33'33	1.32573 AU
					13289 Oct 11 05:32	$0^{\circ}$ M	
superior conj	13288 Oct 29 10:11	20°M57'17	1°12'54				
minimum elong	13288 Oct 29 07:57	20°M44'57	1°13'19	superior conj	13289 Oct 13 16:34	5°M15'55	0°53'06
	13288 Nov 02 12:20	0° <b>∡</b> ¹		minimum elong	13289 Oct 13 14:24	5°M04'15	0°53'14
evening rise	13288 Nov 05 03:42	5° <b>∡</b> ¹45'54		evening rise	13289 Oct 20 14:53	20°M18'05	
	13288 Nov 17 17:17	0°ಕ			13289 Oct 25 06:51	0° <b>∡</b>	
desc. node	13288 Nov 22 20:58	7° <b>る</b> 50'12		desc. node	13289 Nov 09 18:12	24° <b>₹</b> 39'10	
evening max el	13288 Nov 30 21:53	17° <b>る</b> 18'04	24°45'20	evening max el	13289 Nov 12 07:47	27° <b>∡</b> ¹21'26	23°03'59
retrograde	13288 Dec 14 16:07	24° <b>ろ</b> 10'34			13289 Nov 15 09:00	0°₹	
evening set	13288 Dec 20 02:44	23°る04'55	0.54050 444	retrograde	13289 Nov 25 12:59	3°る55'29	
min. Earth dist.	13288 Dec 25 09:44		0.56352 AU	evening set	13289 Nov 29 16:05	3°る18'26	0.55022.444
inferior conj	13288 Dec 27 21:47	18°る43'09		min. Earth dist.	13289 Dec 06 17:04	0°る03'13	0.55023 AU
minimum elong	13288 Dec 28 05:15	18°る31'14	5°22'15	: £:	13289 Dec 06 19:19	30°₹ <b>⋌</b> ¹	595(101
morning rise	13289 Jan 05 09:53 13289 Jan 07 17:59	14°る37'41 14°る22'37		inferior conj	13289 Dec 08 01:12	29° <b>₹</b> 17'07 29° <b>₹</b> 16'10	
direct asc. node	13289 Jan 17 00:20	14 <b>3</b> 2237 18° <b>3</b> 39'04		minimum elong morning rise	13289 Dec 08 01:51 13289 Dec 16 13:09	25° <b>x</b> 10 10	3 34 39
morning max el	13289 Jan 17 10:30	18 <b>3</b> 3904	19°28'45	direct	13289 Dec 10 13:09 13289 Dec 19 12:35	25° × 27' 34' 25° × 7'06'43	
morning max ci	13289 Jan 25 15:30	0° <b>≈</b>	19 28 43	direct	13289 Dec 30 06:08	23 × 00 43	
morning set	13289 Feb 03 14:40	0 <b>~</b> 16° <b>≈</b> 49'03		morning max el	13289 Dec 30 18:24	0° <b>る</b> 28'37	20°47'25
morning sec	13289 Feb 10 04:30	0° <b>∀</b>		asc. node	13290 Jan 03 21:32	5° <b>ප</b> 06'06	20 1723
	1320) 100 10 01.50	٠,٨		aso. node	13290 Jan 18 05:02	0° <b>≈</b>	
superior conj	13289 Feb 11 15:52	2° <b>¥</b> 53'55	0°56'09	morning set	13290 Jan 18 22:32	1° <b>≈</b> 30'16	
minimum elong	13289 Feb 11 18:37	3° <b>)</b> €07'23	0°56'19	. 8			
max. Earth dist.	13289 Feb 18 02:46	15° <b>¥</b> 07'58	1.37974 AU	superior conj	13290 Jan 26 08:42	16° <b>≈</b> 54'56	1°16'39
desc. node	13289 Feb 18 21:24	16° <b>)</b> 32'57		minimum elong	13290 Jan 26 11:15	17° <b>≈</b> 07'58	1°17'07
evening rise	13289 Feb 21 20:03	21° <b>)</b> 48′23		max. Earth dist.	13290 Jan 31 11:30	27° <b>≈</b> 08'10	1.35828 AU
C	13289 Feb 26 15:04	$0^{\circ}$ Y			13290 Feb 01 23:11	0° <b>∀</b>	
	13289 Mar 18 18:38	0°B		evening rise	13290 Feb 04 09:22	4° <b>)</b> €33'31	
evening max el	13289 Mar 29 06:13	12° <b>8</b> 13'14	25°04'33	desc. node	13290 Feb 05 17:58	7° <b>)</b> €03'09	
retrograde	13289 Apr 10 05:23	19° <b>8</b> 10'13			13290 Feb 19 12:32	$0$ ° $\Upsilon$	
asc. node	13289 Apr 14 20:59	17° <b>8</b> 37'04		evening max el	13290 Mar 11 19:50	26° <b>Y</b> 03'29	26°12'57
evening set	13289 Apr 15 23:26	16° <b>8</b> 46'15			13290 Mar 16 09:31	$9^{\circ}$ 8	
min. Earth dist.	13289 Apr 20 09:33	11° <b>8</b> 50'09	0.68065 AU	retrograde	13290 Mar 24 14:55	3° <b>8</b> 20'53	
inferior conj	13289 Apr 21 14:20	10° <b>8</b> 15'44	1°57'28	evening set	13290 Mar 30 20:03	0° <b>8</b> 49'57	
minimum elong	13289 Apr 21 12:12	10° <b>8</b> 22'45	1°56'14		13290 Mar 31 18:43	30° <b>₹Ƴ</b>	
morning rise	13289 Apr 27 01:16	4° <b>8</b> 20'32		asc. node	13290 Apr 01 18:24	29° <b>Y</b> ′01'07	
direct	13289 Apr 30 16:35	3° <b>8</b> 04'30		min. Earth dist.	13290 Apr 03 23:45	26° <b>Y</b> 29'04	0.66987 AU
morning max el	13289 May 07 19:26	6° <b>8</b> 59'23	19°24'50	inferior conj	13290 Apr 05 17:00	24° <b>Y</b> °22'02	1°12'45

minimum elong	13290 Apr 05 15:20	24° <b>Y</b> 27'11	1°11'50	morning rise	13291 Mar 26 17:40	2° <b>Y</b> 45'06	
morning rise	13290 Apr 11 11:27	18° <b>Ƴ</b> 37'16		direct	13291 Mar 29 12:11	2° <b>Y</b> 03'45	
direct	13290 Apr 14 15:47	17° <b>Ƴ</b> 40'01		morning max el	13291 Apr 04 20:35	5° <b>Y</b> 22'54	18°02'56
morning max el	13290 Apr 21 05:25	21° <b>Y</b> 10'41	18°35'32	desc. node	13291 Apr 21 16:53	29° <b>Y</b> 56'22	
	13290 Apr 28 07:58	$_{0\circ}$ 8			13291 Apr 21 17:46	$9^{\circ}$ 8	
desc. node	13290 May 04 20:15	9° <b>8</b> 45'51		morning set	13291 Apr 23 05:00	2° <b>8</b> 23'34	
morning set	13290 May 12 09:28	21° <b>8</b> 33'59					
	13290 May 17 18:34	$\Pi$ °0		superior conj	13291 May 07 21:03	25° <b>8</b> 55'46	-1°44'52
				minimum elong	13291 May 07 11:53	25° <b>8</b> 19'40	1°44'48
superior conj	13290 May 28 11:07	16° <b>Ⅱ</b> 42'01	-2°08'28		13291 May 10 11:16	$\Pi$ $^{\circ}0$	
minimum elong	13290 May 28 05:44	16° <b>Ⅱ</b> 20'59	2°09'14	max. Earth dist.	13291 May 10 19:23	0° <b>Ⅲ</b> 31'47	1.45689 AU
max. Earth dist.	13290 May 27 23:29	15° <b>Ⅲ</b> 56′37	1.45777 AU	evening rise	13291 May 23 23:31	20° <b>Ⅲ</b> 58'17	
	13290 Jun 05 22:42	$0$ $\circ$ $\infty$			13291 May 29 20:24	0°€	
evening rise	13290 Jun 13 01:53	11° <b>©</b> 17'12		greatest brilliancy	13291 Jun 05 23:46	10°9548'03	-0.7m
greatest brilliancy	13290 Jun 21 00:05	23° <b>©</b> 51'12	-0.8m	asc. node	13291 Jun 15 13:16	23° <b>©</b> 51'45	
	13290 Jun 24 23:23	$0^{\circ}\Omega$		evening max el	13291 Jun 17 18:13	26° <b>©</b> 15'55	19°27'41
asc. node	13290 Jun 28 16:18	5° <b>Ω</b> 25'55			13291 Jun 23 03:36	$0^{\circ}\Omega$	
evening max el	13290 Jul 04 10:26	12° <b>Ω</b> 29'58	18°42'19	retrograde	13291 Jun 24 22:01	0° <b>Ω</b> 17'01	
retrograde	13290 Jul 11 00:29	16° <b>Ω</b> 05′12			13291 Jun 26 15:15	30° <b>₹</b> ∽	
evening set	13290 Jul 14 07:07	15° <b>Ω</b> 03'49		evening set	13291 Jun 28 13:48	28° <b>©</b> 59'09	
inferior conj	13290 Jul 19 21:51	9° <b>£</b> 24'32	2°52'21	inferior conj	13291 Jul 03 22:55	23° <b>©</b> 06'03	3°09'00
minimum elong	13290 Jul 19 23:41	9° <b>Ω</b> 18'50	2°51'11	minimum elong	13291 Jul 03 23:46	23° <b>©</b> 03'14	3°07'58
min. Earth dist.	13290 Jul 21 19:20	7° <b>Ω</b> 04'02	0.65774 AU	min. Earth dist.	13291 Jul 05 05:55	21°523'49	0.67245 AU
morning rise	13290 Jul 25 15:22	3° <b>Ω</b> 01′09		morning rise	13291 Jul 09 09:13	16° <b>5</b> 642'11	
desc. node	13290 Jul 31 19:20	0° <b>Ω</b> 20'52		direct	13291 Jul 15 08:49	14° <b>©</b> 05'10	
direct	13290 Aug 01 00:26	0° <b>Ω</b> 20'42		desc. node	13291 Jul 18 16:41	14°9345'56	
morning max el	13290 Aug 14 05:38	8° <b>Ω</b> 10′04	26°47'52	morning max el	13291 Jul 27 16:29	21°528'07	25°34'17
	13290 Aug 31 05:59	0° <b>m</b> )			13291 Aug 04 02:22	$0^{\circ}\Omega$	
	13290 Sep 18 01:21	0∘ <b>⊽</b>			13291 Aug 24 11:16	o∘ <b>m</b> y	
morning set	13290 Sep 19 00:05	1° <b>≏</b> 47'40		morning set	13291 Sep 01 16:02	14° <b>m</b> 13'01	
max. Earth dist.	13290 Sep 23 03:19	9° <b>م</b> 52'29	1.34036 AU	max. Earth dist.	13291 Sep 05 07:25	20° m 57'27	1.35964 AU
asc. node	13290 Sep 24 17:50	13° <b>≏</b> 06'53			13291 Sep 09 23:34	0∘ <b>⊽</b>	
superior conj	13290 Sep 27 17:05	19° <b>≙</b> 14'39	0°27'55	superior conj	13291 Sep 11 08:59	2° <b>≏</b> 46′28	-0°02'09
minimum elong	13290 Sep 27 15:39	19° <b>≙</b> 07'14	0°27'53	minimum elong	13291 Sep 11 09:07	2° <b>₽</b> 47'09	0°02'10
	13290 Oct 02 19:05	$0^{\circ}$ M		behind sun begin	13291 Sep 11 02:54	2° <b>₽</b> 16′02	
evening rise	13290 Oct 05 00:55	4° <b>ጤ</b> 44'58		behind sun end	13291 Sep 11 15:19	3° <b>₾</b> 18'19	
	13290 Oct 18 18:42	0° <b>∡</b>		asc. node	13291 Sep 11 14:24	3° <b>₽</b> 13'42	
evening max el	13290 Oct 24 22:24	7° <b>∡</b> ¹29'55	21°25'47	evening rise	13291 Sep 19 07:41	19° <b>♀</b> 00'54	
desc. node	13290 Oct 27 15:32	9° <b>х</b> 53′12			13291 Sep 24 20:19	$0^{\circ}$ M	
retrograde	13290 Nov 06 01:04	13° <b>∡</b> ³30′53		evening max el	13291 Oct 07 01:47	18° <b>M</b> 16′36	20°03'51
evening set	13290 Nov 08 19:53	13° <b>≯</b> 13'02		desc. node	13291 Oct 14 12:57	23°M04'59	
inferior conj	13290 Nov 17 17:22	9° <b>₰</b> 19'14	-5°30'30	retrograde	13291 Oct 17 14:18	23°M30'52	
minimum elong	13290 Nov 17 09:36	9° <b>₰</b> 30'07	5°28'19	evening set	13291 Oct 19 14:19	23°M20'21	
min. Earth dist.	13290 Nov 17 23:07	9° <b>∡</b> 11'09	0.54508 AU	inferior conj	13291 Oct 28 12:25	19° <b>M</b> 21'49	-4°10'12
morning rise	13290 Nov 26 00:07	5° <b>∡</b> 30′17		minimum elong	13291 Oct 28 02:32	19° <b>M</b> 36'41	4°06'28
direct	13290 Nov 29 20:26	4° <b>₰</b> 58'19		min. Earth dist.	13291 Oct 30 07:15	18° <b>M</b> ₊17'25	0.54936 AU
morning max el	13290 Dec 12 12:45	11° <b>∡</b> 03'17	22°26'16	morning rise	13291 Nov 05 13:35	15° <b>™</b> 12'52	
asc. node	13290 Dec 21 18:39	22° <b>₰</b> ³37'17		direct	13291 Nov 10 07:42	14°M23'36	
	13290 Dec 26 04:19	0°ප		morning max el	13291 Nov 23 23:21	21° <b>M</b> 07'14	24°14'54
morning set	13291 Jan 03 09:23	16° <b>පි</b> 16'16			13291 Dec 01 14:38	0° <b>∡</b> ¹	
	13291 Jan 09 19:22	0° <b>≈</b>		asc. node	13291 Dec 08 15:40	10° <b>∡</b> 57′22	
					13291 Dec 18 09:45	8°0	
superior conj	13291 Jan 10 09:58	1° <b>≈</b> 17'40	1°30'10	morning set	13291 Dec 18 21:18	1° <b>る</b> 01'43	
minimum elong	13291 Jan 10 11:43	1° <b>≈</b> 26′55	1°30'57				
max. Earth dist.	13291 Jan 14 02:15	8° <b>≈</b> 59'16	1.33990 AU	superior conj	13291 Dec 25 16:56		1°37'06
evening rise	13291 Jan 18 13:18	17° <b>≈</b> 54'40		minimum elong	13291 Dec 25 17:36	15° <b>る</b> 57'49	
desc. node	13291 Jan 23 14:36	27° <b>≈</b> 23'30		max. Earth dist.	13291 Dec 28 00:46		1.32586 AU
	13291 Jan 25 01:36	0° <b>∀</b>			13292 Jan 01 08:09	0° <b>≈</b>	
	13291 Feb 13 18:43	0° <b>Υ</b>		evening rise	13292 Jan 02 04:33	1° <b>≈</b> 43′50	
evening max el	13291 Feb 22 09:19	9° <b>Y</b> 42′10	27°04'10	desc. node	13292 Jan 10 11:22	17° <b>≈</b> 29'06	
retrograde	13291 Mar 07 18:44	17° <b>Y</b> ′09'04			13292 Jan 17 23:24	0° <b>∀</b>	
evening set	13291 Mar 14 09:08	14° <b>Ƴ</b> 36'42		evening max el	13292 Feb 04 21:46	22° <b>¥</b> 59′09	27°31'01
min. Earth dist.	13291 Mar 18 07:38	10° <b>Y</b> ′49'09	0.65509 AU		13292 Feb 15 15:50	0° <b>Υ</b>	
asc. node	13291 Mar 19 15:51	9° <b>Y</b> 18'15		retrograde	13292 Feb 18 15:57	0° <b>Υ</b> 25'35	
inferior conj	13291 Mar 20 13:06	8° <b>Y</b> 17'34	0°16'59		13292 Feb 21 13:18	30° <b>₹</b>	
minimum elong	13291 Mar 20 12:38	8° <b>Ƴ</b> 18'54	0°16'45	evening set	13292 Feb 25 12:22	27° <b>)</b> € 58'53	

i matra	12202 F 1 20 07 20	240 1/41117	0.62602.444		12202 1 21 05 12	1201/00147	
min. Earth dist.	13292 Feb 29 07:20	24° <b>)</b> 41'17		retrograde	13293 Jan 31 05:12	13° <b>)</b> €00'47	
inferior conj	13292 Mar 02 23:56	21° <b>)</b> 55'49		evening set	13293 Feb 07 02:54	10° <b>)</b> (47'38	0.61605.177
minimum elong	13292 Mar 03 01:32	21° <b>)</b> 51'44	0°49'04	min. Earth dist.	13293 Feb 10 21:12		0.61625 AU
asc. node	13292 Mar 05 13:18	19° <b>米</b> 25'41		inferior conj	13293 Feb 13 22:20	5° <b>米</b> 08′25	
morning rise	13292 Mar 09 17:00	16° <b>¥</b> 38′01		minimum elong	13293 Feb 14 02:47	4° <b>¥</b> 58'18	2°04'38
direct	13292 Mar 12 03:15	16° <b>∺</b> 08'59		asc. node	13293 Feb 20 10:45	0° <b>∺</b> 25'11	
morning max el	13292 Mar 18 14:12	19° <b>∺</b> 27'55	17°47'31	morning rise	13293 Feb 21 05:33	0° <b>∺</b> 08'12	
	13292 Mar 26 11:21	0° <b>Υ</b>			13293 Feb 21 17:27	30° <b>₹</b> ≈	
morning set	13292 Apr 04 03:44	14° <b>Ƴ</b> 31'37		direct	13293 Feb 23 09:39	29° <b>≈</b> 47'45	
desc. node	13292 Apr 07 13:28	20° <b>Ƴ</b> 19'38			13293 Feb 25 01:22	0° <b>∀</b>	
	13292 Apr 13 07:55	$9^{\circ}$ 8		morning max el	13293 Mar 02 07:05	3° <b>) (</b> 16′41	17°50'01
				morning set	13293 Mar 17 23:54	27° <b>)</b> (40′10	
superior conj	13292 Apr 16 23:13	5° <b>8</b> 58'07	-1°08'28		13293 Mar 19 07:06	$0^{\circ}$ Y	
minimum elong	13292 Apr 16 16:16	5° <b>8</b> 29'51	1°08'04	desc. node	13293 Mar 25 10:01	10° <b>Y</b> 51′09	
max. Earth dist.	13292 Apr 22 14:04	14° <b>8</b> 59'28	1.44875 AU				
evening rise	13292 May 02 10:47	0° <b>Ⅲ</b> 21'11		superior conj	13293 Mar 29 01:09	17° <b>Ƴ</b> 07'11	-0°28'13
	13292 May 02 05:15	$\Pi$ $^{\circ}0$		minimum elong	13293 Mar 28 22:30	16° <b>Ƴ</b> 55'55	0°28'01
	13292 May 22 13:59	$0$ $\circ$ $\odot$		max. Earth dist.	13293 Apr 05 05:46	29° <b>Y</b> 05'57	1.43419 AU
evening max el	13292 May 30 20:24	10° <b>©</b> 04'08	20°28'01		13293 Apr 05 19:05	0° <b>႘</b>	
asc. node	13292 Jun 01 10:20	11° <b>©</b> 33'23		evening rise	13293 Apr 12 03:45	10° <b>8</b> 06'48	
retrograde	13292 Jun 07 20:52	14° <b>5</b> 341'10			13293 Apr 25 08:24	$\Pi^{\circ}0$	
evening set	13292 Jun 11 22:35	13° <b>©</b> 06'35		evening max el	13293 May 13 17:02	23° <b>Ⅲ</b> 53'31	21°40'10
inferior conj	13292 Jun 17 04:59	7° <b>5</b> 01'06	3°12'35	asc. node	13293 May 19 07:31	28° <b>Ⅲ</b> 17′02	
minimum elong	13292 Jun 17 04:48	7° <b>5</b> 01'44	3°11'34	retrograde	13293 May 22 19:12	29° <b>Ⅱ</b> 12'59	
min. Earth dist.	13292 Jun 17 21:59	6°902'45	0.68268 AU	evening set	13293 May 27 07:37	27° <b>Ⅲ</b> 22'04	
morning rise	13292 Jun 22 10:43	0°5540'29		inferior conj	13293 Jun 01 13:50	21° <b>Ⅱ</b> 05'51	3°04'50
C	13292 Jun 23 06:11	30°R <b>Ⅱ</b>		minimum elong	13293 Jun 01 12:44	21° <b>Ⅱ</b> 09'43	3°03'44
direct	13292 Jun 27 22:45	28° <b>Ⅱ</b> 14'49		min. Earth dist.	13293 Jun 01 17:27	20° <b>Ⅲ</b> 53'14	0.68815 AU
	13292 Jul 03 04:53	0° <b>©</b>		morning rise	13293 Jun 06 17:39	14° <b>∏</b> 50'45	
desc. node	13292 Jul 04 13:57	0°955'54		direct	13293 Jun 11 17:00	12° <b>∏</b> 42′08	
morning max el	13292 Jul 09 02:34		24°07'49	desc. node	13293 Jun 21 11:06	18° <b>Ⅱ</b> 24'56	
. 8	13292 Jul 28 10:19	$0^{\circ}\Omega$		morning max el	13293 Jun 21 13:51	18° <b>Ⅲ</b> 31'49	22°38'17
morning set	13292 Aug 13 12:56	25° <b>Ω</b> 45'51			13293 Jul 01 04:03	0ಂತಾ	
Č	13292 Aug 15 23:19	0° m)			13293 Jul 21 13:03	$0^{\circ}\Omega$	
max. Earth dist.	13292 Aug 17 05:22		1.38229 AU	morning set	13293 Jul 25 10:25	6°Ω16'20	
	S	•		max. Earth dist.	13293 Jul 30 04:27	14° <b>Ω</b> 11'10	1.40580 AU
superior conj	13292 Aug 24 12:49	15° <b>m</b> 42'40	-0°35'48				
minimum elong	13292 Aug 24 15:19	15° <b>m</b> 54'33	0°35'42	superior conj	13293 Aug 07 00:32	27° <b>Ω</b> 54'20	-1°10'43
asc. node	13292 Aug 28 10:58	23° m/ 18'04		minimum elong	13293 Aug 07 05:48	28° <b>Ω</b> 18'05	1°10'34
	13292 Aug 31 20:30	0∘ <u>v</u>		8	13293 Aug 08 04:16	0° <b>m</b> )	
evening rise	13292 Sep 02 08:38	2° <b>≏</b> 58'40		asc. node	13293 Aug 15 07:35	13° <b>m</b> 17'02	
C	13292 Sep 18 22:41	0°M		evening rise	13293 Aug 17 00:38	16° <b>m</b> 30'58	
evening max el	13292 Sep 18 19:13	29° <b>≏</b> 51'24	19°03'06	Ü	13293 Aug 24 08:52	0∘ <u>v</u>	
retrograde	13292 Sep 27 16:36	4° <b>M</b> ₁8'37		evening max el	13293 Sep 01 23:38	12° <b>≏</b> 10′22	18°23'50
evening set	13292 Sep 29 13:16	4° <b>™</b> 07'42		retrograde	13293 Sep 09 14:11	16° <b>≏</b> 01'13	
desc. node	13292 Sep 30 10:27	3°M55'15		evening set	13293 Sep 11 15:32	15° <b>≏</b> 45'06	
inferior conj	13292 Oct 07 22:59	29° <b>ჲ</b> 53'18	-2°22'20	desc. node	13293 Sep 17 07:58	12° <b>≏</b> 41'50	
minimum elong	13292 Oct 07 16:54	0°M03'45		inferior conj	13293 Sep 19 07:01	11° <b>≏</b> 09'43	-0°37'01
Z .	13292 Oct 07 19:05	30° <b>₽</b> Ω		minimum elong	13293 Sep 19 05:37	11° <b>≏</b> 12'33	
min. Earth dist.	13292 Oct 10 19:22		0.56238 AU	min. Earth dist.	13293 Sep 22 13:49	8° <b>॒</b> 31'58	0.58170 AU
morning rise	13292 Oct 15 17:38	25° <b>Ω</b> 10'11		morning rise	13293 Sep 26 16:14	5° <b>Ω</b> 49'32	
direct	13292 Oct 21 07:22	23° <b>≏</b> 57'35		direct	13293 Oct 02 20:53	4° <b>Ω</b> 09'56	
	13292 Nov 03 03:32	0° <b>M</b> ₊		morning max el	13293 Oct 17 04:27	11° <b>≏</b> 46'55	27°12'52
morning max el	13292 Nov 04 10:35	1° <b>M</b> 11'34	25°56'20	Z .	13293 Oct 31 10:15	0°M₊	
asc. node	13292 Nov 24 12:37	29°M53'20		asc. node	13293 Nov 11 09:28	19° <b>™</b> 15'41	
	13292 Nov 24 14:02	0° <b>⊼</b> ¹		morning set	13293 Nov 16 17:17	0° <b>∡</b> ¹09'35	
morning set	13292 Dec 02 08:30	15° <b>∡</b> ′41′00		. 8	13293 Nov 16 15:29	0° <b>∡</b> ¹	
5	13292 Dec 08 20:36	0°る				•	
		. •		superior conj	13293 Nov 23 14:48	15° <b>∤</b> 19'19	1°32'41
superior conj	13292 Dec 09 03:12	0° <b>る</b> 36'38	1°37'51	minimum elong	13293 Nov 23 13:26	15° <b>×</b> 11'40	1°33'33
minimum elong	13292 Dec 09 02:47	0° <b>る</b> 34'19		max. Earth dist.	13293 Nov 23 14:05	15° <b>√</b> 15'15	1.31239 AU
max. Earth dist.	13292 Dec 10 05:46	3° <b>る</b> 03'51	1.31662 AU	evening rise	13293 Nov 30 09:31	0°る14'38	
evening rise	13292 Dec 16 04:07	15° <b>ප</b> 52'38			13293 Nov 30 06:46	0° <b>る</b>	
	13292 Dec 23 07:32	0° <b>≈</b>		desc. node	13293 Dec 14 05:09	26° <b>පි</b> 25'55	
desc. node	13292 Dec 27 08:13	7° <b>≈</b> 12'48		<del></del>	13293 Dec 16 10:59	0°≈	
	13293 Jan 11 23:09	0° <b>)</b> €		evening max el	13293 Dec 30 10:13	17° <b>≈</b> 36'52	26°49'05
evening max el	13293 Jan 17 07:02	5° <b>)</b> 41'33	27°27'16	retrograde	13294 Jan 13 09:05	24°≈46'36	
						020	

	12204 I 20 01.10	2292 25 4145			12204 D 12 16:44	0000	
evening set	13294 Jan 20 01:10	22°≈54'45	0.50450 444	. 1	13294 Dec 13 16:44	0° <b>≈</b>	
min. Earth dist.	13294 Jan 24 00:15	20°≈16'26	0.59452 AU	retrograde	13294 Dec 26 02:20	5°≈39'18	
inferior conj	13294 Jan 27 04:39	17°≈45'26		evening set	13295 Jan 01 03:00	4°≈15'26	0.55050.433
minimum elong	13294 Jan 27 12:06	17° <b>≈</b> 30'39	3°26'22	min. Earth dist.	13295 Jan 05 17:29		0.57378 AU
morning rise	13294 Feb 04 02:05	13° <b>≈</b> 06'00			13295 Jan 08 02:25	30°Ŗ <b>る</b>	
direct	13294 Feb 06 03:15	12° <b>≈</b> 50'32		inferior conj	13295 Jan 08 15:31	29° <b>る</b> 37'22	
asc. node	13294 Feb 07 08:12	12° <b>≈</b> 56′06		minimum elong	13295 Jan 09 00:15	29° <b>る</b> 22'21	4°45'07
morning max el	13294 Feb 13 19:44	16° <b>≈</b> 39'23	18°11'38	morning rise	13295 Jan 17 00:10	25° <b>る</b> 20'22	
	13294 Feb 23 04:50	0° <b>∀</b>		direct	13295 Jan 19 03:27	25° <b>る</b> 06'25	
morning set	13294 Mar 01 11:26	11° <b>∺</b> 30'33		asc. node	13295 Jan 25 05:33	27° <b>る</b> 08'03	
				morning max el	13295 Jan 28 00:13	29° <b>る</b> 25'16	18°54'13
superior conj	13294 Mar 11 02:13	29° <b>∺</b> 20'11	0°09'24		13295 Jan 28 14:04	0° <b>≈</b>	
minimum elong	13294 Mar 11 02:57	29° <b>∺</b> 23′26	0°09'24	morning set	13295 Feb 13 09:34	25° <b>≈</b> 48'49	
behind sun begin	13294 Mar 10 20:47	28° <b>¥</b> 55'44			13295 Feb 15 12:39	0° <b>∀</b>	
behind sun end	13294 Mar 11 09:06	29° <b>∺</b> 51′05					
	13294 Mar 11 11:05	$0$ ° $\mathbf{\Upsilon}$		superior conj	13295 Feb 21 22:20	12° <b>¥</b> 25'41	0°41'04
desc. node	13294 Mar 12 06:30	1° <b>Y</b> 26'49		minimum elong	13295 Feb 22 00:45	12° <b>)</b> 37′11	0°41'06
max. Earth dist.	13294 Mar 18 17:05	12° <b>Y</b> 37'23	1.41477 AU	desc. node	13295 Feb 27 03:00	22° <b>)</b> €03'30	
evening rise	13294 Mar 23 13:50	20° <b>Ƴ</b> 40′13		max. Earth dist.	13295 Mar 01 00:16	25° <b>)</b> €26'02	1.39263 AU
	13294 Mar 29 11:07	0°B			13295 Mar 03 14:55	$0^{\circ}$ $\Upsilon$	
	13294 Apr 19 14:29	$\Pi^{\circ}$		evening rise	13295 Mar 04 21:09	2° <b>Y</b> ′09'35	
evening max el	13294 Apr 26 09:15	7° <b>Ⅱ</b> 43'26	22°59'33	•	13295 Mar 22 16:55	0°8	
asc. node	13294 May 06 04:47	13° <b>Ⅱ</b> 45'20		evening max el	13295 Apr 08 23:06	21° <b>8</b> 35'07	24°20'09
retrograde	13294 May 06 15:28	13° <b>Ⅱ</b> 46'15		retrograde	13295 Apr 20 08:30	28° <b>8</b> 15'49	
evening set	13294 May 11 15:14	11° <b>Ⅱ</b> 40'22		asc. node	13295 Apr 23 02:08	27° <b>8</b> 42'29	
inferior conj	13294 May 16 23:25	5° <b>Ⅱ</b> 15'41	2°46'41	evening set	13295 Apr 25 19:53	25° <b>8</b> 57'22	
minimum elong	13294 May 16 21:38	5° <b>Ⅲ</b> 21'54	2°45'27	min. Earth dist.	13295 Apr 30 10:08	20° <b>8</b> 40'46	0.68494 AU
min. Earth dist.	13294 May 16 14:11	5° <b>Ⅱ</b> 47'42	0.68885 AU	inferior conj	13295 May 01 07:53	19° <b>8</b> 27'31	2°18'25
iiiii. Lattii dist.	13294 May 21 04:47	30°R <b>B</b>	0.00003 AC	minimum elong	13295 May 01 07:33	19° <b>8</b> 34'44	
morning rise	13294 May 22 03:56	29° <b>8</b> 07'27		_	13295 May 06 15:43	13° <b>8</b> 27'11	2 1708
morning rise	13294 May 26 14:22	29 80727 27°819'03		morning rise direct	13295 May 10 13:41	13 <b>8</b> 2711	
direct	•	27 <b>⊘</b> 1903			•		20000124
	13294 Jun 01 16:30	0°Щ 2° <b>Ц</b> 17'27	21012140	morning max el	13295 May 18 03:55	16° <b>8</b> 14'43	20°00'24
morning max el	13294 Jun 04 05:27		21-13 49	desc. node	13295 May 26 05:00	25° <b>8</b> 59'13	
desc. node	13294 Jun 08 08:07	6° <b>Ⅱ</b> 51'07			13295 May 29 02:04	0°II	
	13294 Jun 25 00:48	0.22		morning set	13295 Jun 14 09:59	24° <b>Ⅲ</b> 23'38	
morning set	13294 Jul 05 06:55	15°5541'29	1 40505 411	To all the	13295 Jun 18 01:01	0°©	1 44410 411
max. Earth dist.	13294 Jul 12 09:15	27° <b>©</b> 02'57	1.42725 AU	max. Earth dist.	13295 Jun 24 20:17	10° <b>©</b> 41'25	1.44418 AU
	13294 Jul 14 04:23	$0$ ° $\Omega$				🗕	
				superior conj	13295 Jun 30 06:47	19° <b>©</b> 26'03	
superior conj	13294 Jul 19 15:32	9° <b>Ω</b> 10'34		minimum elong	13295 Jun 30 12:20	19° <b>5</b> 548'36	2°06'50
minimum elong	13294 Jul 19 22:39	9° <b>Ω</b> 40'59	1°42'58		13295 Jul 06 16:27	$0$ $\circ$ $\Omega$	
evening rise	13294 Jul 31 03:27	29° <b>Ω</b> 26'42		evening rise	13295 Jul 13 12:08	11° <b>Ω</b> 33'34	
	13294 Jul 31 10:51	0° <b>m</b> )		asc. node	13295 Jul 20 00:56	22° <b>Ω</b> 40′26	
asc. node	13294 Aug 02 04:14	3°M)06'02			13295 Jul 24 14:05	0° <b>m</b>	
evening max el	13294 Aug 16 10:49	25° Mp 03'48	18°04'59	evening max el	13295 Jul 31 00:57	8° Mg 22'14	18°05'19
retrograde	13294 Aug 23 05:39	28° Mp 32'24		retrograde	13295 Aug 06 10:33	11° <b>m</b> ) 42'39	
evening set	13294 Aug 25 14:24	28° Mp 07'14		evening set	13295 Aug 09 03:32	11° <b>M</b> )05'11	
inferior conj	13294 Sep 01 11:58	23° Mp 11'27	0°49'24	inferior conj	13295 Aug 15 10:13	5° <b>m</b> ) 51'11	1°53'02
minimum elong	13294 Sep 01 13:28	23° <b>m</b> 07'57	0°48'38	minimum elong	13295 Aug 15 12:43	5° <b>m</b> 44'33	1°51'46
desc. node	13294 Sep 04 05:29	20° Mp 38'12		min. Earth dist.	13295 Aug 18 05:34	2° m/52'58	0.62679 AU
min. Earth dist.	13294 Sep 04 16:54	20° <b>m</b> 12'33	0.60413 AU		13295 Aug 21 09:31	$30^\circ$ R $\Omega$	
morning rise	13294 Sep 08 09:28	17° <b>m</b> 20'50		morning rise	13295 Aug 21 19:43	29° <b>Ω</b> 40'44	
direct	13294 Sep 14 23:04	15° <b>m</b> 14'42		desc. node	13295 Aug 22 03:00	29° <b>Ω</b> 27'40	
morning max el	13294 Sep 29 06:06	23° Mp 08'32	27°53'09	direct	13295 Aug 28 12:00	27° <b>Ω</b> 13'41	
	13294 Oct 05 09:14	0∘ <b>ত</b>			13295 Sep 05 07:18	0° <b>m</b> ∕	
	13294 Oct 24 15:22	0° <b>M</b> .		morning max el	13295 Sep 11 13:30	5° Mp 15'36	27°54'23
asc. node	13294 Oct 29 06:13	8°M56'59			13295 Sep 30 05:37	0∘ <b>⊽</b>	
morning set	13294 Oct 31 21:46	14°M22'57		morning set	13295 Oct 15 19:48	28° <b>≙</b> 15'17	
max. Earth dist.	13294 Nov 06 21:58	27°M22'03	1.31331 AU	asc. node	13295 Oct 16 02:51	28° <b>≏</b> 51'08	
					13295 Oct 16 16:18	$0^{\circ}$ M	
superior conj	13294 Nov 08 01:54	29°M57'02	1°21'45	max. Earth dist.	13295 Oct 21 01:24	9° <b>M</b> 13′38	1.31960 AU
minimum elong	13294 Nov 07 23:52	29°M45'43	1°22'21				
	13294 Nov 08 02:26	0° <b>∡</b> 7		superior conj	13295 Oct 23 10:34	14° <b>M</b> 24'12	1°05'10
evening rise	13294 Nov 14 18:39	14° <b>∡</b> ¹44'32		minimum elong	13295 Oct 23 08:17	14° <b>M</b> 11'45	1°05'28
<i>3</i> - ,	13294 Nov 22 06:42	0°ප		evening rise	13295 Oct 30 05:35	29°M16'58	
desc. node	13294 Dec 01 02:13	14° <b>る</b> 56'50		<i>5</i>	13295 Oct 30 13:35	0° <b>⊼</b>	
evening max el	13294 Dec 12 05:04		25°37'55		13295 Nov 16 03:07	0°ਰ	
-6		, ,,,					

desc. node	13295 Nov 17 23:24	2°る28'57		desc. node	13296 Nov 03 20:40	18° <b>∡</b> 741′02	
evening max el	13295 Nov 23 16:31	2 <b>3</b> 2837 8° <b>3</b> 56'09	24°03'01	evening max el	13296 Nov 04 03:20	18° 🖈 57'28	22°20'57
•		8 <b>3</b> 3009	24 03 01	Č	13296 Nov 16 23:11	25° <b>х</b> 19'04	22 20 37
retrograde	13295 Dec 07 07:03			retrograde			
evening set	13295 Dec 12 04:58	14° <b>る</b> 50'13	0.55601.431	evening set	13296 Nov 20 11:33	24° 🖈 51'55	0.54602.441
min. Earth dist.	13295 Dec 18 03:42	11° <b>る</b> 53'43	0.55691 AU	min. Earth dist.	13296 Nov 28 10:22	21° 🖈 18'46	0.54693 AU
inferior conj	13295 Dec 20 05:34	10°る38'15		inferior conj	13296 Nov 29 02:48	20° <b>₹</b> 55'39	
minimum elong	13295 Dec 20 10:49	10°る30'17	5°42'20	minimum elong	13296 Nov 28 23:32	21° <b>х</b> 00'14	5°51'32
morning rise	13295 Dec 28 18:34	6°る40'50		morning rise	13296 Dec 07 12:43	17° <b>∡</b> 108'16	
direct	13295 Dec 31 07:52	6° <b>る</b> 24'08		direct	13296 Dec 10 20:44	16° <b>∡</b> ¹43'15	
morning max el	13296 Jan 10 16:28	11° <b>る</b> 22'03	19°59'31	morning max el	13296 Dec 22 18:13	22° <b>∡</b> ¹24'19	21°27'22
asc. node	13296 Jan 12 02:49	12° <b>る</b> 50'06		asc. node	13296 Dec 28 23:59	29° <b>∡</b> ¹46′06	
	13296 Jan 23 08:23	0° <b>≈</b>			13296 Dec 29 03:55	0°₹	
morning set	13296 Jan 28 14:39	10° <b>≈</b> 23'17		morning set	13297 Jan 12 00:02	25° <b>පි</b> 06'34	
					13297 Jan 14 07:48	0° <b>≈</b>	
superior conj	13296 Feb 05 08:45	26° <b>≈</b> 09'08	1°05'43				
minimum elong	13296 Feb 05 11:31	26° <b>≈</b> 22'57	1°05'59	superior conj	13297 Jan 19 05:31	10° <b>≈</b> 19'44	1°23'12
	13296 Feb 07 07:25	0° <b>∀</b>		minimum elong	13297 Jan 19 07:47	10° <b>≈</b> 31'30	1°23'49
max. Earth dist.	13296 Feb 11 06:32	7° <b>∺</b> 36′28	1.37028 AU	max. Earth dist.	13297 Jan 23 17:17	19° <b>≈</b> 29'13	1.35002 AU
desc. node	13296 Feb 13 23:32	12° <b>)</b> 36′49		evening rise	13297 Jan 27 20:24	27° <b>≈</b> 30′29	
evening rise	13296 Feb 15 00:25	14° <b>)</b> 29′15			13297 Jan 29 04:18	0° <b>ℋ</b>	
	13296 Feb 24 03:08	$0$ ° $\Upsilon$		desc. node	13297 Jan 30 20:08	3° <b>∺</b> 03′01	
	13296 Mar 16 11:16	$9^{\circ}$ 8			13297 Feb 16 10:51	$0$ ° $\mathbf{\Upsilon}$	
evening max el	13296 Mar 21 12:31	5° <b>8</b> 26'59	25°35'15	evening max el	13297 Mar 04 02:20	19° <b>Ƴ</b> 13'39	26°37'22
retrograde	13296 Apr 02 21:10	12° <b>8</b> 34'51		retrograde	13297 Mar 17 04:22	26° <b>Ƴ</b> 36′10	
evening set	13296 Apr 08 19:56	10° <b>8</b> 07'23		evening set	13297 Mar 23 13:35	24° <b>Ƴ</b> 04'13	
asc. node	13296 Apr 08 23:32	9° <b>8</b> 59'44		asc. node	13297 Mar 26 20:59	20° <b>Ƴ</b> 49'23	
min. Earth dist.	13296 Apr 13 03:09	5° <b>8</b> 26'13	0.67655 AU	min. Earth dist.	13297 Mar 27 15:02	19° <b>Ƴ</b> 57'30	0.66401 AU
inferior conj	13296 Apr 14 13:15	3° <b>8</b> 36'59	1°39'51	inferior conj	13297 Mar 29 13:26	17° <b>Ƴ</b> 39'09	0°50'29
minimum elong	13296 Apr 14 11:14	3° <b>8</b> 43'26	1°38'42	minimum elong	13297 Mar 29 12:10	17° <b>Ƴ</b> 42'55	0°49'48
	13296 Apr 17 13:28	30° <b>Ŗ</b> ♈		morning rise	13297 Apr 04 11:50	11° <b>Y</b> 59'02	
morning rise	13296 Apr 20 03:03	27° <b>Ƴ</b> 45'52		direct	13297 Apr 07 11:50	11° <b>Ƴ</b> 08'52	
direct	13296 Apr 23 13:28	26° <b>Ƴ</b> 38'14		morning max el	13297 Apr 13 22:16	14° <b>Ƴ</b> 33'18	18°19'32
	13296 Apr 30 00:53	$9^{\circ}$ 8		C	13297 Apr 25 08:18	0°8	
morning max el	13296 Apr 30 09:53	0° <b>8</b> 21'36	19°01'46	desc. node	13297 Apr 28 22:27	5° <b>8</b> 38'23	
desc. node	13296 May 12 01:46	15° <b>8</b> 37'46		morning set	13297 May 03 18:30	13° <b>8</b> 19'46	
greatest brilliancy	13296 May 13 14:37	17° <b>8</b> 55'39	-0.7m	. <i>8</i>	13297 May 14 07:19	0°II	
8	13296 May 21 12:00	0°II					
morning set	13296 May 23 15:17	3° <b>I</b> 18'10		superior conj	13297 May 19 08:22	7° <b>Ⅱ</b> 54'00	-2°00'34
max. Earth dist.	13296 Jun 06 12:34	24° <b>Ⅱ</b> 54'22	1.45487 AU	minimum elong	13297 May 19 00:33	7° <b>Ⅱ</b> 23'27	
				max. Earth dist.	13297 May 20 08:19	9° <b>Ⅱ</b> 27'34	1.45835 AU
superior conj	13296 Jun 09 00:38	28° <b>Ⅱ</b> 50'12	-2°13'24	man. Bartir dist.	13297 Jun 02 12:09	0°9	1.10000110
minimum elong	13296 Jun 08 23:40	28° <b>I</b> I46'26		evening rise	13297 Jun 04 07:19	2°548'50	
g	13296 Jun 09 18:21	0ಂತಿ	2 1 . 20	greatest brilliancy	13297 Jun 14 14:15	18° <b>©</b> 49'52	-0.8m
evening rise	13296 Jun 23 21:55	22°5641'03		greatest similarey	13297 Jun 22 06:20	0°Ω	0.0111
evening rise	13296 Jun 28 09:40	0° <b>Ω</b>		asc. node	13297 Jun 22 18:39	0° <b>Ω</b> 40'43	
asc. node	13296 Jul 05 21:44	11° <b>Ω</b> 54'35		evening max el	13297 Jun 27 01:21	5° <b>Ω</b> 41'04	18°59'41
evening max el	13296 Jul 13 14:42	21° <b>Ω</b> 57'14	18°23'50	retrograde	13297 Jul 03 20:08	9° <b>Ω</b> 25'25	10 37 41
retrograde	13296 Jul 20 00:34	25°Ω23'03	10 25 50	evening set	13297 Jul 07 06:40	8° <b>Ω</b> 16'59	
evening set	13296 Jul 23 02:08	24° <b>Ω</b> 30'52		inferior conj	13297 Jul 12 18:39	2° <b>Ω</b> 31'49	3°01'07
inferior conj	13296 Jul 28 21:40	19° <b>Ω</b> 00'34	2°35'40	minimum elong	13297 Jul 12 20:05	2° <b>Ω</b> 27'13	3°00'01
minimum elong	13270 341 20 21.40	17 0000	2 33 47			2 0 62 / 13	
_	13296 Jul 28 23:56	18° O 53'51	2°34'34			0°Ω26'43	0.66460 ATT
min Farth dist	13296 Jul 28 23:56	18° <b>Ω</b> 53'51		min. Earth dist.	13297 Jul 14 09:57	0° <b>£</b> 26'43	0.66460 AU
min. Earth dist.	13296 Jul 31 03:37	16° <b>Ω</b> 22'03	2°34'34 0.64744 AU	min. Earth dist.	13297 Jul 14 09:57 13297 Jul 14 18:32	30°Rூ	0.66460 AU
morning rise	13296 Jul 31 03:37 13296 Aug 03 20:26	16°Ω22'03 12°Ω39'56		min. Earth dist.	13297 Jul 14 09:57 13297 Jul 14 18:32 13297 Jul 18 08:48	30°RS 26°S07'56	0.66460 AU
morning rise desc. node	13296 Jul 31 03:37 13296 Aug 03 20:26 13296 Aug 08 00:27	16°Ω22'03 12°Ω39'56 10°Ω21'29		min. Earth dist. morning rise direct	13297 Jul 14 09:57 13297 Jul 14 18:32 13297 Jul 18 08:48 13297 Jul 24 14:20	30°RS 26°S07'56 23°S27'50	0.66460 AU
morning rise desc. node direct	13296 Aug 03 20:26 13296 Aug 08 00:27 13296 Aug 10 09:37	16°Ω22'03 12°Ω39'56 10°Ω21'29 10°Ω01'17	0.64744 AU	min. Earth dist.	13297 Jul 14 09:57 13297 Jul 14 18:32 13297 Jul 18 08:48 13297 Jul 24 14:20 13297 Jul 25 21:52	30°R9 26°907'56 23°927'50 23°934'09	0.66460 AU
morning rise desc. node	13296 Aug 03 20:26 13296 Aug 08 00:27 13296 Aug 10 09:37 13296 Aug 23 23:51	16°Ω22'03 12°Ω39'56 10°Ω21'29 10°Ω01'17 17°Ω59'03		min. Earth dist. morning rise direct desc. node	13297 Jul 14 09:57 13297 Jul 14 18:32 13297 Jul 18 08:48 13297 Jul 24 14:20 13297 Jul 25 21:52 13297 Aug 05 07:40	30°RS 26°S07'56 23°S27'50 23°S34'09 0°Ω	
morning rise desc. node direct	13296 Aug 03 20:26 13296 Aug 08 00:27 13296 Aug 10 09:37 13296 Aug 23 23:51 13296 Sep 03 02:00	16° Ω22'03 12° Ω39'56 10° Ω21'29 10° Ω01'17 17° Ω59'03 0° M	0.64744 AU	min. Earth dist. morning rise direct	13297 Jul 14 09:57 13297 Jul 14 18:32 13297 Jul 18 08:48 13297 Jul 24 14:20 13297 Jul 25 21:52 13297 Aug 05 07:40 13297 Aug 06 10:52	30°RS 26°S07'56 23°S27'50 23°S34'09 0°N 1°N07'08	0.66460 AU 26°18'41
morning rise desc. node direct morning max el	13296 Jul 31 03:37 13296 Aug 03 20:26 13296 Aug 08 00:27 13296 Aug 10 09:37 13296 Aug 23 23:51 13296 Sep 03 02:00 13296 Sep 22 03:31	16° Ω22'03 12° Ω39'56 10° Ω21'29 10° Ω01'17 17° Ω59'03 0° Mp 0° Ω	0.64744 AU	min. Earth dist.  morning rise direct desc. node  morning max el	13297 Jul 14 09:57 13297 Jul 14 18:32 13297 Jul 18 08:48 13297 Jul 24 14:20 13297 Jul 25 21:52 13297 Aug 05 07:40 13297 Aug 06 10:52 13297 Aug 28 02:57	30°RS 26°S07'56 23°S27'50 23°S34'09 0°Ω 1°Ω07'08 0°M	
morning rise desc. node direct morning max el	13296 Jul 31 03:37 13296 Aug 03 20:26 13296 Aug 08 00:27 13296 Aug 10 09:37 13296 Aug 23 23:51 13296 Sep 03 02:00 13296 Sep 22 03:31 13296 Sep 28 08:49	16° Ω22'03 12° Ω39'56 10° Ω21'29 10° Ω01'17 17° Ω59'03 0° M 0° Ω 11° Ω40'33	0.64744 AU	min. Earth dist. morning rise direct desc. node	13297 Jul 14 09:57 13297 Jul 14 18:32 13297 Jul 18 08:48 13297 Jul 24 14:20 13297 Jul 25 21:52 13297 Aug 05 07:40 13297 Aug 06 10:52 13297 Aug 28 02:57 13297 Sep 11 09:32	30°R\$26°\$07'56 23°\$27'50 23°\$34'09 0°\$\Omega\$1"\$\Omega\$07'08 0°\$\Omega\$29'53	
morning rise desc. node direct morning max el  morning set asc. node	13296 Jul 31 03:37 13296 Aug 03 20:26 13296 Aug 08 00:27 13296 Aug 10 09:37 13296 Aug 23 23:51 13296 Sep 03 02:00 13296 Sep 22 03:31 13296 Sep 28 08:49 13296 Oct 01 23:26	16°Ω22'03 12°Ω39'56 10°Ω21'29 10°Ω01'17 17°Ω59'03 0°™ 0°Ω 11°Ω40'33 18°Ω53'33	0.64744 AU 27°20'24	min. Earth dist.  morning rise direct desc. node  morning max el  morning set	13297 Jul 14 09:57 13297 Jul 14 18:32 13297 Jul 18 08:48 13297 Jul 24 14:20 13297 Jul 25 21:52 13297 Aug 05 07:40 13297 Aug 06 10:52 13297 Aug 28 02:57 13297 Sep 11 09:32 13297 Sep 14 07:02	30°R© 26°©07'56 23°©27'50 23°©34'09 0°Ω 1°Ω07'08 0°M 24°M29'53 0°Ω	26°18'41
morning rise desc. node direct morning max el	13296 Jul 31 03:37 13296 Aug 03 20:26 13296 Aug 08 00:27 13296 Aug 10 09:37 13296 Aug 23 23:51 13296 Sep 03 02:00 13296 Sep 22 03:31 13296 Sep 28 08:49	16° Ω22'03 12° Ω39'56 10° Ω21'29 10° Ω01'17 17° Ω59'03 0° M 0° Ω 11° Ω40'33	0.64744 AU	min. Earth dist.  morning rise direct desc. node  morning max el morning set  max. Earth dist.	13297 Jul 14 09:57 13297 Jul 14 18:32 13297 Jul 18 08:48 13297 Jul 24 14:20 13297 Jul 25 21:52 13297 Aug 05 07:40 13297 Aug 06 10:52 13297 Aug 28 02:57 13297 Sep 11 09:32 13297 Sep 14 07:02 13297 Sep 15 06:36	30°R© 26°©07'56 23°©27'50 23°©34'09 0°Ω 1°Ω07'08 0°M 24°M29'53 0°Ω 1°Ω54'30	
morning rise desc. node direct morning max el  morning set asc. node max. Earth dist.	13296 Jul 31 03:37 13296 Aug 03 20:26 13296 Aug 08 00:27 13296 Aug 10 09:37 13296 Aug 23 23:51 13296 Sep 03 02:00 13296 Sep 22 03:31 13296 Sep 28 08:49 13296 Oct 01 23:26 13296 Oct 02 20:57	16° \$\Omega 22'03\) 12° \$\Omega 39'56\) 10° \$\Omega 21'29\) 10° \$\Omega 01'17\) 17° \$\Omega 59'03\) 0° \$\Omega \) 11° \$\Omega 40'33\) 18° \$\Omega 53'33\) 20° \$\Omega 44'01\	0.64744 AU 27°20'24 1.33129 AU	min. Earth dist.  morning rise direct desc. node  morning max el  morning set	13297 Jul 14 09:57 13297 Jul 14 18:32 13297 Jul 18 08:48 13297 Jul 24 14:20 13297 Jul 25 21:52 13297 Aug 05 07:40 13297 Aug 06 10:52 13297 Aug 28 02:57 13297 Sep 11 09:32 13297 Sep 14 07:02	30°R© 26°©07'56 23°©27'50 23°©34'09 0°Ω 1°Ω07'08 0°M 24°M29'53 0°Ω	26°18'41
morning rise desc. node direct morning max el  morning set asc. node max. Earth dist.  superior conj	13296 Jul 31 03:37 13296 Aug 03 20:26 13296 Aug 08 00:27 13296 Aug 10 09:37 13296 Aug 23 23:51 13296 Sep 03 02:00 13296 Sep 22 03:31 13296 Sep 28 08:49 13296 Oct 01 23:26 13296 Oct 02 20:57	16° \$\Omega 22'03\) 12° \$\Omega 39'56\) 10° \$\Omega 21'29\) 10° \$\Omega 01'17\) 17° \$\Omega 59'03\) 0° \$\Omega \) 11° \$\Omega 40'33\) 18° \$\Omega 53'33\) 20° \$\Omega 44'01\) 28° \$\Omega 35'30\)	0.64744 AU 27°20'24 1.33129 AU 0°43'04	min. Earth dist.  morning rise direct desc. node  morning max el  morning set  max. Earth dist. asc. node	13297 Jul 14 09:57 13297 Jul 14 18:32 13297 Jul 18 08:48 13297 Jul 24 14:20 13297 Jul 25 21:52 13297 Aug 05 07:40 13297 Aug 06 10:52 13297 Aug 28 02:57 13297 Sep 11 09:32 13297 Sep 14 07:02 13297 Sep 15 06:36 13297 Sep 18 20:00	30°R© 26°©07'56 23°©27'50 23°©34'09 0°Ω 1°Ω07'08 0°M 24°M29'53 0°Ω 1°Ω54'30 8°Ω59'32	26°18'41 1.34812 AU
morning rise desc. node direct morning max el  morning set asc. node max. Earth dist.	13296 Jul 31 03:37 13296 Aug 03 20:26 13296 Aug 08 00:27 13296 Aug 10 09:37 13296 Aug 23 23:51 13296 Sep 03 02:00 13296 Sep 22 03:31 13296 Sep 28 08:49 13296 Oct 01 23:26 13296 Oct 02 20:57	16° \$\Omega 22'03\) 12° \$\Omega 39'56\) 10° \$\Omega 21'29\) 10° \$\Omega 01'17\) 17° \$\Omega 59'03\) 0° \$\Omega \) 11° \$\Omega 40'33\) 18° \$\Omega 53'33\) 20° \$\Omega 44'01\) 28° \$\Omega 35'30\) 28° \$\Omega 25'10\)	0.64744 AU 27°20'24 1.33129 AU	min. Earth dist.  morning rise direct desc. node  morning max el morning set  max. Earth dist. asc. node  superior conj	13297 Jul 14 09:57 13297 Jul 14 18:32 13297 Jul 18 08:48 13297 Jul 24 14:20 13297 Jul 25 21:52 13297 Aug 05 07:40 13297 Aug 28 02:57 13297 Sep 11 09:32 13297 Sep 14 07:02 13297 Sep 15 06:36 13297 Sep 18 20:00	30°R© 26°©07'56 23°©27'50 23°©34'09 0°Ω 1°Ω07'08 0°M 24°M29'53 0°Ω 1°Ω54'30 8°Ω59'32	26°18'41 1.34812 AU 0°15'44
morning rise desc. node direct morning max el  morning set asc. node max. Earth dist.  superior conj minimum elong	13296 Jul 31 03:37 13296 Aug 03 20:26 13296 Aug 08 00:27 13296 Aug 10 09:37 13296 Aug 23 23:51 13296 Sep 03 02:00 13296 Sep 22 03:31 13296 Oct 01 23:26 13296 Oct 02 20:57 13296 Oct 06 14:46 13296 Oct 06 12:49 13296 Oct 07 06:35	16° \$\Omega 22'03\) 12° \$\Omega 39'56\) 10° \$\Omega 21'29\) 10° \$\Omega 01'17\) 17° \$\Omega 59'03\) 0° \$\Omega \) 11° \$\Omega 40'33\) 18° \$\Omega 53'33\) 20° \$\Omega 44'01\) 28° \$\Omega 35'30\) 28° \$\Omega 25'10\) 0° \$\Omega \)	0.64744 AU 27°20'24 1.33129 AU 0°43'04	min. Earth dist.  morning rise direct desc. node  morning max el  morning set  max. Earth dist. asc. node  superior conj minimum elong	13297 Jul 14 09:57 13297 Jul 14 18:32 13297 Jul 18 08:48 13297 Jul 24 14:20 13297 Jul 25 21:52 13297 Aug 05 07:40 13297 Aug 28 02:57 13297 Sep 11 09:32 13297 Sep 14 07:02 13297 Sep 15 06:36 13297 Sep 18 20:00 13297 Sep 20 11:59 13297 Sep 20 11:59	30°R© 26°©07'56 23°©27'50 23°©34'09 0°Ω 1°Ω07'08 0°M 24°M29'53 0°Ω 1°Ω54'30 8°Ω59'32	26°18'41 1.34812 AU
morning rise desc. node direct morning max el  morning set asc. node max. Earth dist.  superior conj	13296 Jul 31 03:37 13296 Aug 03 20:26 13296 Aug 08 00:27 13296 Aug 10 09:37 13296 Aug 23 23:51 13296 Sep 03 02:00 13296 Sep 22 03:31 13296 Sep 28 08:49 13296 Oct 01 23:26 13296 Oct 02 20:57	16° \$\Omega 22'03\) 12° \$\Omega 39'56\) 10° \$\Omega 21'29\) 10° \$\Omega 01'17\) 17° \$\Omega 59'03\) 0° \$\Omega \) 11° \$\Omega 40'33\) 18° \$\Omega 53'33\) 20° \$\Omega 44'01\) 28° \$\Omega 35'30\) 28° \$\Omega 25'10\)	0.64744 AU 27°20'24 1.33129 AU 0°43'04	min. Earth dist.  morning rise direct desc. node  morning max el morning set  max. Earth dist. asc. node  superior conj	13297 Jul 14 09:57 13297 Jul 14 18:32 13297 Jul 18 08:48 13297 Jul 24 14:20 13297 Jul 25 21:52 13297 Aug 05 07:40 13297 Aug 28 02:57 13297 Sep 11 09:32 13297 Sep 14 07:02 13297 Sep 15 06:36 13297 Sep 18 20:00	30°R© 26°©07'56 23°©27'50 23°©34'09 0°Ω 1°Ω07'08 0°M 24°M29'53 0°Ω 1°Ω54'30 8°Ω59'32	26°18'41 1.34812 AU 0°15'44

evening rise	13297 Sep 28 01:25	28° <b>≙</b> 10'17		max. Earth dist.	13298 Aug 28 07:49	13° <b>m</b> 02'12	1.36912 AU
	13297 Sep 28 22:34	0°M	20040126		12200 G 02 22 14	050m 41117	001 (10.4
evening max el	13297 Oct 16 22:50	29°M19'10	20°48'26	superior conj	13298 Sep 03 23:14	25° mp 41'17	
	13297 Oct 17 15:48	0° <b>⊼</b> ¹		minimum elong	13298 Sep 04 00:17	25° m 46'25	0°16'04
desc. node	13297 Oct 21 18:04	3°×706'04		behind sun begin	13298 Sep 03 23:38 13298 Sep 04 00:55	25° m 43'17 25° m 49'34	
retrograde	13297 Oct 28 09:42	5°×700'37		behind sun end		~	
evening set	13297 Oct 30 18:41	4° <b>×</b> <sup>7</sup> 47'01	5001150	asc. node	13298 Sep 05 16:35	29° <b>™</b> 05'41 0° <b>₽</b>	
inferior conj	13297 Nov 08 18:16 13297 Nov 08 08:37	0° ₹ 52'52 1° ₹ 06'39	4°58'46	avanina riaa	13298 Sep 06 03:29	0 <u>≈</u> 12° <b>Ω</b> 19'36	
minimum elong min. Earth dist.		0° <b>₹</b> 20'52	0.54582 AU	evening rise	13298 Sep 12 06:06 13298 Sep 21 14:55	0°M	
IIIII. Eartii dist.	13297 Nov 09 16:40 13297 Nov 10 07:24	0 <b>x</b> ·20 32 30°RM₁	0.34382 AU	evening max el	13298 Sep 21 14.33 13298 Sep 29 08:16	10°M25'21	19°35'09
morning rise	13297 Nov 16 07:24 13297 Nov 16 22:38	26°M58'09		desc. node	13298 Oct 08 15:32	15°M18'27	19 33 09
direct	13297 Nov 10 22:38 13297 Nov 21 04:44	26°M19'23		retrograde	13298 Oct 08 13:32 13298 Oct 09 03:33	15°M19'11	
direct	13297 Dec 01 03:05	0° <b>x</b> <sup>7</sup>		evening set	13298 Oct 11 00:40	15°M09'10	
morning max el	13297 Dec 01 03:03	2° <b>×</b> <sup>7</sup> 41'04	23°12'13	inferior conj	13298 Oct 11 00:40	11°M04'24	-3°25'44
asc. node	13297 Dec 15 21:03	17° <b>₹</b> '39'22	23 12 13	minimum elong	13298 Oct 19 09:58	11°M18'10	3°22'06
use. Houe	13297 Dec 13 21:03 13297 Dec 22 16:31	0°る		min. Earth dist.	13298 Oct 22 01:57	9°M36'54	0.55398 AU
morning set	13297 Dec 27 11:34	9° <b>ප</b> 52'43		morning rise	13298 Oct 27 17:22	6°M42'08	0.55570710
morning sec	132) / BCC 2/ 11.5 /	9 002 13		direct	13298 Nov 01 20:03	5°M43'56	
superior conj	13298 Jan 03 09:31	24° <b>る</b> 48'38	1°33'53	morning max el	13298 Nov 15 17:58	12°M40'52	25°00'13
minimum elong	13298 Jan 03 10:49	24° <b>る</b> 55'40	1°34'46	moning mun vi	13298 Nov 29 02:16	0°×7	20 00 15
g	13298 Jan 05 19:53	0°≈	1 3	asc. node	13298 Dec 02 18:03	6° <b>х</b> 15'49	
max. Earth dist.	13298 Jan 06 11:39	1° <b>≈</b> 22'58	1.33339 AU	morning set	13298 Dec 11 23:23	24°×736'05	
evening rise	13298 Jan 11 05:32	11° <b>≈</b> 04'13	1.00000 110	morning sec	13298 Dec 14 11:02	0°궁	
desc. node	13298 Jan 17 16:50	23° <b>≈</b> 17'41					
	13298 Jan 21 13:04	0° <b>)</b> €		superior conj	13298 Dec 18 18:07	9° <b>ට</b> 28'10	1°38'09
	13298 Feb 11 22:56	0° <b>Υ</b>		minimum elong	13298 Dec 18 18:19	9° <b>ට</b> 29'18	1°39'11
evening max el	13298 Feb 14 15:47	2° <b>Y</b> '45'06	27°19'05	max. Earth dist.	13298 Dec 20 13:20	13° <b>る</b> 25'02	
retrograde	13298 Feb 28 05:17	10° <b>Y</b> °11'57		evening rise	13298 Dec 26 00:36	25° <b>る</b> 02'02	
evening set	13298 Mar 06 22:48	7° <b>Υ</b> 41'15		S	13298 Dec 28 11:39	0° <b>≈</b>	
min. Earth dist.	13298 Mar 10 19:39	4° <b>Υ</b> 06'59	0.64772 AU	desc. node	13299 Jan 04 13:38	13° <b>≈</b> 14'45	
inferior conj	13298 Mar 13 05:59	1° <b>Y</b> ′28′20	-0°10'04		13299 Jan 15 01:33	0° <b>)</b>	
minimum elong	13298 Mar 13 06:16	1° <b>Y</b> 27'32	0°09'51	evening max el	13299 Jan 28 03:02	15° <b>)</b> 48′12	27°33'29
transit middle	13298 Mar 13 06:16	1° <b>Y</b> 27'32	0°09'51	retrograde	13299 Feb 10 23:07	23° <b>)</b> 12′09	
transit begin	13298 Mar 13 03:52	1° <b>Y</b> ′34'07		evening set	13299 Feb 17 21:01	20° <b>)</b> 49′55	
transit end	13298 Mar 13 08:41	1° <b>Y</b> ′20′58		min. Earth dist.	13299 Feb 21 15:06	17° <b>)</b> 43'56	0.62833 AU
asc. node	13298 Mar 13 18:27	0° <b>Y</b> 54′27		inferior conj	13299 Feb 24 11:56	14° <b>)</b> € 56′22	-1°21'34
	13298 Mar 14 14:58	30° <b>₹</b>		minimum elong	13299 Feb 24 14:39	14° <b>)(</b> 49'42	1°20'04
morning rise	13298 Mar 19 15:34	26° <b>)</b> €01'40		asc. node	13299 Feb 28 15:56	11° <b>) (</b> 16′57	
direct	13298 Mar 22 06:29	25° <b>¥</b> 25′50		morning rise	13299 Mar 03 10:54	9° <b>)</b> 45′57	
morning max el	13298 Mar 28 14:50	28° <b>)</b> 43′19	17°54'19	direct	13299 Mar 05 18:18	9° <b>∺</b> 20′59	
	13298 Mar 29 20:13	$0^{\circ}$ Y		morning max el	13299 Mar 12 08:36	12° <b>)</b> 42′38	17°46'27
morning set	13298 Apr 15 02:14	24° <b>Y</b> 45'06			13299 Mar 24 05:14	$0^{\circ}\Upsilon$	
desc. node	13298 Apr 15 19:03	25° <b>Y</b> 54'59		morning set	13299 Mar 28 10:49	7° <b>Y</b> 20′50	
	13298 Apr 18 06:13	$9^{\circ}$ 8		desc. node	13299 Apr 02 15:36	16° <b>Y</b> 21′59	
superior conj	13298 Apr 28 23:39	17° <b>8</b> 24'27		superior conj	13299 Apr 09 11:34	27° <b>Y</b> 54'23	
minimum elong	13298 Apr 28 14:52	16° <b>8</b> 49'29	1°30'09	minimum elong	13299 Apr 09 06:26	27° <b>Y</b> 33'06	0°51'04
max. Earth dist.	13298 May 03 04:39	24° <b>8</b> 04'00	1.45429 AU		13299 Apr 10 18:00	0° <b>8</b>	
	13298 May 06 23:41	0°П		max. Earth dist.	13299 Apr 15 22:26	8° <b>8</b> 24'47	1.44320 AU
evening rise	13298 May 14 22:50	12° <b>Ⅱ</b> 18′08		evening rise	13299 Apr 24 10:36	21° <b>8</b> 45'38	
	13298 May 26 15:20	$0$ $\circ$			13299 Apr 29 20:21	0°П	
greatest brilliancy	13298 May 29 12:36	4°9514'51	-0.6m		13299 May 21 06:36	0°©	
asc. node	13298 Jun 09 15:41	18°5549'40		evening max el	13299 May 24 06:33	3°5516'52	20°57'25
evening max el	13298 Jun 10 06:55	19°528'48	19°51'36	asc. node	13299 May 27 12:50	6°908'26	
retrograde	13298 Jun 17 18:33	23°543'50		retrograde	13299 Jun 01 17:32	8°911'52	
evening set	13298 Jun 21 14:34	22°5018'37	2011150	evening set	13299 Jun 05 23:41	6°930'07	2010125
inferior conj	13298 Jun 26 22:10	16°519'56	3°11'59	inferior conj	13299 Jun 11 05:42	0°519'34	3°10'37
minimum elong	13298 Jun 26 22:35	16°5518'33	3°10'57	minimum elong	13299 Jun 11 05:06	0°©21'38	3°09'34
min. Earth dist.	13298 Jun 27 23:02	14°956'16	0.67743 AU	min Foods 31 c	13299 Jun 11 11:20	30°R∏ 20°∏40/51	0.60556 411
morning rise	13298 Jul 02 06:14	9°957'17		min. Earth dist.	13299 Jun 11 16:52	29° <b>∏</b> 40'51	0.68556 AU
direct	13298 Jul 08 01:05	7°524'33		morning rise	13299 Jun 16 10:17	24° <b>Ⅲ</b> 00'59 21° <b>Ⅲ</b> 42'17	
desc. node	13298 Jul 12 19:11	8° <b>©</b> 47'35 14° <b>©</b> 30'35	24050120	direct	13299 Jun 21 16:52	21°Щ42'17 25°Щ33'54	
morning max el	13298 Jul 19 21:26	14°930'35 0°Ω	24°58'30	desc. node	13299 Jun 29 16:22	25°Щ33'54 28°Щ02'32	23020120
	13298 Aug 01 13:07			morning max el	13299 Jul 02 07:56	28°Щ02′32 0° <b>©</b>	43 49 38
morning set	13298 Aug 20 23:20 13298 Aug 24 17:58	0° <b>т</b> ) 6° <b>т</b> )34'11			13299 Jul 04 04:31 13299 Jul 26 05:06	0ა <b>U</b> ი.გ	
morning set	13270 Aug 24 17.30	U II PC VIII U			13277 Jul 20 03.00	0 06	

morning set	12200 Aug 06 05:20	17° <b>Ω</b> 42'21			12200 Jun. 20. 09:21	0° <b>©</b>	
morning set max. Earth dist.	13299 Aug 06 05:30 13299 Aug 10 05:36	$24^{\circ}\Omega 33'49$	1.39235 AU	morning set	13300 Jun 29 08:31 13300 Jul 17 16:10	0 95 27°9544'23	
max. Earm dist.	13299 Aug 10 03.36 13299 Aug 13 07:25	0°m)	1.39233 AU	morning set	13300 Jul 17 10:10	27 9944 23 0°Ω	
	13299 Aug 13 07.23	V III		max. Earth dist.	13300 Jul 19 01:30 13300 Jul 23 06:07		1.41526 AU
superior conj	13299 Aug 17 20:47	8° <b>m</b> 19'53	0°50'20	max. Earm dist.	13300 Jul 23 00.07	0 6631 49	1.41320 AU
minimum elong	13299 Aug 17 20.47 13299 Aug 18 00:27	8° Mg 36'59	0°50'30	superior conj	13300 Jul 31 00:12	20°Ω09'02	1°25'01
asc. node	13299 Aug 18 00.27 13299 Aug 23 13:12	19° My 08'30	0 30 30	minimum elong	13300 Jul 31 06:29	20°Ω36'44	
evening rise	13299 Aug 23 13.12 13299 Aug 27 03:44	26° My 08'10		minimum ciong	13300 Jul 31 00.29	0°m)	1 24 33
evening rise	13299 Aug 27 03:44 13299 Aug 29 03:44	0° <b>⊽</b>		asc. node	13300 Aug 05 11:50	9° Mp 03'45	
evening max el	13299 Aug 29 03:44 13299 Sep 12 06:50	0 <u>=</u> 22° <u>₽</u> 20'18	18°43'46	evening rise	13300 Aug 10 03:30 13300 Aug 10 14:40	9° my 26'12	
retrograde	13299 Sep 12 00.30 13299 Sep 20 14:05	22 <b>⊆</b> 20 18 26° <b>⊆</b> 30'47	16 43 40	evening rise	13300 Aug 10 14:40 13300 Aug 22 13:28	0° <b>⊽</b>	
evening set	13299 Sep 20 14:03 13299 Sep 22 11:57	26° <b>⊆</b> 3047 26° <b>⊆</b> 18'18		evening max el	13300 Aug 22 13:28 13300 Aug 26 14:43	0 <b>=</b> 4° <b>£</b> 55'46	18°13'28
desc. node	13299 Sep 22 11:37 13299 Sep 25 13:02	25° <b>£</b> 11'40		retrograde	13300 Aug 20 14:43 13300 Sep 02 19:32	8° <b>£</b> 35'09	10 13 20
inferior conj	13299 Sep 23 13:02 13299 Sep 30 14:13	23 <b>⊆</b> 11 40 21° <b>⊆</b> 55'18	1026'02	evening set	13300 Sep 02 19.32 13300 Sep 04 23:50	8° <b>£</b> 15'40	
minimum elong	13299 Sep 30 14:15	21° <b>⊆</b> 3318 22° <b>⊆</b> 02'36	1°34'09	inferior conj	13300 Sep 04 23:30 13300 Sep 12 07:30	3° <b>£</b> 31'48	0°02'22
min. Earth dist.	13299 Sep 30 10:13 13299 Oct 03 16:49	19° <b>£</b> 38'36	0.56997 AU	minimum elong	13300 Sep 12 07:34	3° <b>£</b> 31'38	0°02'17
morning rise	13299 Oct 03 10.49 13299 Oct 08 05:10	19 <b>⊆</b> 56 30 16° <b>⊆</b> 55'37	0.30997 AU	transit middle	13300 Sep 12 07:34 13300 Sep 12 07:34	3° <b>£</b> 31'38	0°02'17
direct	13299 Oct 14 01:41	16 <b>⊆</b> 33 37 15° <b>⊆</b> 31'49		transit begin	13300 Sep 12 07:34 13300 Sep 12 04:10	3° <b>⊆</b> 38'57	0 02 17
	13299 Oct 14 01.41 13299 Oct 28 07:55	13 <b>≥</b> 31 49 22° <b>♀</b> 57'13	26°32'48	transit end	13300 Sep 12 04.10 13300 Sep 12 10:58	3° <b>£</b> 3637	
morning max el	13299 Oct 28 07.33 13299 Nov 03 15:27	0°M	20 32 48	desc. node		3° <u>₽</u> 24 18	
asc. node		25°M24'19		min. Earth dist.	13300 Sep 12 10:33 13300 Sep 15 14:55	0° <b>Ω</b> 42'09	0.59105 AU
asc. Houe	13299 Nov 19 14:55 13299 Nov 21 23:20	23 11624 19 0° <b>√</b> 1		IIIII. Eartii tist.	13300 Sep 15 14:53	0 ==42 09 30°R, Mb	0.39103 AU
morning sat		0 <b>x</b> . 9° <b>x</b> 12'05		morning rise	1	אָרואָ 30 אָרוּעָ 27° אָר 57'33	
morning set	13299 Nov 26 09:48	9 × 1203		Č	13300 Sep 19 11:53		
:	12200 D 02 05.12	24° <b>₹</b> 12'09	1027122	direct	13300 Sep 25 21:19	26° Mp 05'52	
superior conj	13299 Dec 03 05:13				13300 Oct 05 17:53	0∘ <b>ত</b>	27924120
minimum elong	13299 Dec 03 04:22	24° <b>x</b> 07'25	1°37'20	morning max el	13300 Oct 10 05:04	3° <b>ჲ</b> 51'26 0° <b>ル</b>	21-34-39
max. Earth dist.	13299 Dec 03 20:05	25°♂34'56 0°る	1.31414 AU	4-	13300 Oct 29 09:30		
	13299 Dec 05 19:53	0°る 9°る17'34		asc. node	13300 Nov 06 11:42	14°M55'32	
evening rise	13299 Dec 10 02:57			morning set	13300 Nov 10 16:58	23°M34'53	
JJ.	13299 Dec 20 19:41	0°≈ 2°≈ •47!01		Fth Ji-t	13300 Nov 13 16:30	0° 🗷 7° ⋅ 🗷 4.415.0	1 21214 ATT
desc. node	13299 Dec 22 10:32	2°≈47'01 28°≈11'15	27915116	max. Earth dist.	13300 Nov 17 04:29	7° <b>∡</b> ¹44'50	1.31214 AU
evening max el	13300 Jan 10 09:49	28°≈1113 0° <b>)</b> €	2/*15/16	aumariar aani	12200 Nov. 17, 16:50	00.752146	1020145
	13300 Jan 12 10:22	5° <b>∺</b> 27'31		superior conj	13300 Nov 17 16:50	8° 🗷 53'46	1°28'45
retrograde	13300 Jan 24 08:50	3° <del>H</del> 2/'31 3° <del>H</del> 22'12		minimum elong	13300 Nov 17 15:09	8° <b>х</b> ⁴44'18 23° <b>х</b> ⁴43'49	1°29'31
evening set	13300 Jan 31 05:07	0° <b> ∺</b> 36'49	0.60699 AU	evening rise	13300 Nov 24 10:10	23° <b>x</b> '43'49 0° <b>る</b>	
min. Earth dist.	13300 Feb 04 00:21		0.00099 AU	4 4-	13300 Nov 27 09:44	0°る 21° <b>る</b> 43'51	
	13300 Feb 04 17:57	30°R≈ 270× ×54153	2041147	desc. node	13300 Dec 09 07:32		
inferior conj	13300 Feb 07 03:54	27°≈54'53			13300 Dec 14 22:54	0°≈ 0°≈ -44121	26922120
minimum elong	13300 Feb 07 09:41	27°≈42'28	2°38'57	evening max el	13300 Dec 23 09:40	9° <b>≈</b> 44'21	26°22'30
morning rise	13300 Feb 14 17:21	23°≈03'30 22°≈52'14		retrograde	13301 Jan 06 08:37	16°≈50'15	
asc. node	13300 Feb 15 13:21			evening set	13301 Jan 12 19:10	15°≈09'57	0.50541.411
direct	13300 Feb 16 19:35	22°≈45'43	17057140	min. Earth dist.	13301 Jan 16 23:18	12°≈33'26	0.58541 AU
morning max el	13300 Feb 24 00:12	26°≈22'00	17°56'48	inferior conj	13301 Jan 20 02:16	10°≈13'49	
. ,	13300 Feb 27 03:35	0° <b>)</b> {		minimum elong	13301 Jan 20 10:38	9°≈58'10	4°01'01
morning set	13300 Mar 11 14:08	20° <b>)</b> 48'41		morning rise	13301 Jan 28 05:03	5°≈43'39	
1 1	13300 Mar 16 15:03	0°Υ 6° <b>W</b> 55125		direct	13301 Jan 30 06:10	5°≈29'21	
desc. node	13300 Mar 20 12:07	6° <b>Ƴ</b> 55'35		asc. node	13301 Feb 02 10:42	6°≈05'56	1002701
	12200 M 21 22 42	000021141	0011142	morning max el	13301 Feb 07 09:49	9° <b>≈</b> 30'15	18°27'01
superior conj	13300 Mar 21 23:42	9° <b>Y</b> 31'41			13301 Feb 20 17:15	0° <b>)</b> (	
minimum elong	13300 Mar 21 22:42	9° <b>Υ</b> 27'15	0°11'36	morning set	13301 Feb 23 06:40	4° <b>)</b> 52′15	
behind sun begin	13300 Mar 21 17:04	9° <b>Υ</b> 02'39			12201.11	2221/22112	0000110
behind sun end	13300 Mar 22 04:19	9° <b>Υ</b> 51'48	1 40/05 477	superior conj	13301 Mar 04 09:24	22° <b>米</b> 08′10	0°23'40
max. Earth dist.	13300 Mar 29 11:45	22°\bar{\gamma}15'18	1.42635 AU	minimum elong	13301 Mar 04 11:03	22° <b>)</b> 15'44	0°23'38
	13300 Apr 03 06:22	0°8		desc. node	13301 Mar 07 08:37	27° <b>)</b> €32'03	
evening rise	13300 Apr 04 09:46	1° <b>8</b> 48'52		P. 4. P.	13301 Mar 08 17:48	0°Υ 5° <b>00</b> 25112	1 10551 177
	13300 Apr 23 07:22	0°Ⅱ 15°Ⅱ	22012126	max. Earth dist.	13301 Mar 11 20:43	5° <b>Υ</b> 27'12	1.40554 AU
evening max el	13300 May 07 00:57	17° <b>Ⅱ</b> 05'36	22°13'26	evening rise	13301 Mar 16 04:48	12° <b>Y</b> 46'19	
asc. node	13300 May 14 10:03	22° <b>I</b> I21'45			13301 Mar 27 02:47	0° <b>B</b>	
retrograde	13300 May 16 15:14	22° <b>I</b> I44'23			13301 Apr 18 17:43	0°П	2202 411 :
evening set	13300 May 21 08:18	20° <b>Ⅱ</b> 47'02	205015	evening max el	13301 Apr 19 16:00	0° <b>Ⅱ</b> 56'44	23°34'14
inferior conj	13300 May 26 15:06	14° <b>Ⅱ</b> 26'44	2°58'24	retrograde	13301 Apr 30 10:11	7° <b>Ⅱ</b> 16'32	
minimum elong	13300 May 26 13:40		2°57'14	asc. node	13301 May 01 07:20	7° <b>Ⅱ</b> 13'01	
min. Earth dist.	13300 May 26 13:14	14° <b>Ⅱ</b> 33'15	0.68896 AU	evening set	13301 May 05 14:49	5° <b>Ⅱ</b> 05'15	
morning rise	13300 May 31 18:51	8° <b>Ⅱ</b> 14'09			13301 May 10 00:29	30°₽ <b>8</b>	
direct	13300 Jun 05 12:38	6° <b>Ⅱ</b> 13'50		min. Earth dist.	13301 May 10 09:56	29° <b>8</b> 27'47	0.68769 AU
morning max el	13300 Jun 14 20:36	11° <b>Ⅱ</b> 41'52	22°01'16	inferior conj	13301 May 11 00:25	28° <b>8</b> 38'03	2°35'57
desc. node	13300 Jun 16 13:27	13° <b>Ⅱ</b> 29'00		minimum elong	13301 May 10 22:26	28° <b>8</b> 44'53	2°34'41

morning rise	13301 May 16 06:00	22° <b>8</b> 32'51		morning max el	13302 May 11 16:23	9° <b>8</b> 33'15	19°33'36
direct	13301 May 20 11:07	20° <b>8</b> 53'09		desc. node	13302 May 21 07:13	21° <b>8</b> 36'35	
morning max el	13301 May 28 14:45	25° <b>8</b> 31'46	20°40'58	greatest brilliancy	13302 May 24 07:54	25° <b>8</b> 59'17	-0.6m
	13301 Jun 01 15:13	$\Pi$ $^{\circ}$ 0			13302 May 27 00:55	$\Pi$ °0	
desc. node	13301 Jun 03 10:24	2° <b>Ⅱ</b> 14'35		morning set	13302 Jun 06 04:43	15° <b>Ⅱ</b> 25'39	
	13301 Jun 22 17:53	$0$ $\circ$			13302 Jun 15 14:09	$0$ $\circ$ $\odot$	
morning set	13301 Jun 27 03:32	6°9546'14		max. Earth dist.	13302 Jun 18 03:39	4° <b>©</b> 01'51	1.44957 AU
max. Earth dist.	13301 Jul 05 13:32	20°504'40	1.43509 AU				
	13301 Jul 11 14:54	$0$ $^{\circ}$ $\Omega$		superior conj	13302 Jun 22 10:39	10° <b>©</b> 51'09	-2°11'31
				minimum elong	13302 Jun 22 13:57	11°904'20	2°12'28
superior conj	13301 Jul 12 05:21	1° <b>Ω</b> 00′17	-1°54'13		13302 Jul 04 03:52	$0^{\circ}\Omega$	
minimum elong	13301 Jul 12 12:23	1° <b>Ω</b> 29'41	1°54'34	evening rise	13302 Jul 06 09:47	3° <b>Ω</b> 45′08	
evening rise	13301 Jul 24 10:25	22° <b>Ω</b> 02'45		asc. node	13302 Jul 15 03:16	18° <b>Ω</b> 13'57	
asc. node	13301 Jul 28 06:31	28° <b>Ω</b> 47'28			13302 Jul 23 09:02	0° <b>m</b> )	
	13301 Jul 28 23:10	0° <b>m</b> )		evening max el	13302 Jul 24 18:02	1° <b>m</b> )27'55	18°11'01
evening max el	13301 Aug 10 03:42	18° <b>m</b> ) 01'45	18°02'53	retrograde	13302 Jul 31 02:32	4° <b>™</b> 48'59	
retrograde	13301 Aug 16 17:10	21° <b>m</b> ) 24'47		evening set	13302 Aug 02 23:12	4° Mp 05′23	
evening set	13301 Aug 19 05:31	20° <b>m</b> 54'36			13302 Aug 07 20:57	30° <b>₽</b> Ω	
inferior conj	13301 Aug 25 20:19	15° <b>m</b> 50'49	1°19'05	inferior conj	13302 Aug 09 00:39	28° <b>Ω</b> 43'55	2°13'30
minimum elong	13301 Aug 25 22:25	15° <b>m</b> 45'35	1°18'00	minimum elong	13302 Aug 09 03:09	28° <b>Ω</b> 36′55	2°12'13
min. Earth dist.	13301 Aug 28 21:51	12° <b>m</b> 49'51	0.61394 AU	min. Earth dist.	13302 Aug 11 14:26	25° <b>Ω</b> 52'24	0.63591 AU
desc. node	13301 Aug 30 08:03	11° <b>m</b> 32'34		morning rise	13302 Aug 15 05:23	22° <b>Ω</b> 28'11	
morning rise	13301 Sep 01 12:41	9° <b>m</b> 50'52		desc. node	13302 Aug 17 05:32	21° <b>Ω</b> 09'09	
direct	13301 Sep 08 04:21	7° <b>m</b> 34'53		direct	13302 Aug 21 20:53	19° <b>Ω</b> 55'22	
morning max el	13301 Sep 22 09:15	15° <b>m</b> 32'31	27°58'15	morning max el	13302 Sep 04 18:19	27° <b>Ω</b> 56′28	27°43'58
	13301 Oct 04 04:56	0∘ <b>⊽</b>			13302 Sep 06 17:36	0° <b>m</b> )	
	13301 Oct 21 23:32	0° <b>M</b>			13302 Sep 27 23:37	0∘ <b>ত</b>	
asc. node	13301 Oct 24 08:25	4° <b>M</b> 43'07		morning set	13302 Oct 09 13:33	21° <b>≏</b> 21'48	
morning set	13301 Oct 25 18:59	7° <b>M</b> 39'58		asc. node	13302 Oct 11 05:04	24° <b>≏</b> 41'31	
max. Earth dist.	13301 Oct 31 10:59	19° <b>M</b> 46'35	1.31542 AU		13302 Oct 13 18:28	0° <b>M</b>	
				max. Earth dist.	13302 Oct 14 11:44	1°MJ31'06	1.32396 AU
superior conj	13301 Nov 02 03:09	23°M27'52	1°15'25				
minimum elong	13301 Nov 02 00:57	23°M15'43	1°15'53	superior conj	13302 Oct 17 10:12	7° <b>M</b> 49'08	0°56'29
	13301 Nov 05 01:52	0° <b>∡</b> ¹		minimum elong	13302 Oct 17 07:59	7° <b>M</b> 37′08	0°56'38
evening rise	13301 Nov 08 20:19	8° <b>∡</b> 15'48		evening rise	13302 Oct 24 07:31	22°M48'32	
	13301 Nov 19 22:13	ರ°0			13302 Oct 27 17:37	0° <b>∡</b> ¹	
desc. node	13301 Nov 26 04:38	9° <b>る</b> 52'00		desc. node	13302 Nov 13 01:52	26° <b>∡</b> ¹53'31	
evening max el	13301 Dec 05 01:12	20° <b>පි</b> 26'01	24°59'30		13302 Nov 15 22:08	ರ°0	
retrograde	13301 Dec 18 20:16	27° <b>る</b> 20'21		evening max el	13302 Nov 16 11:15	0° <b>る</b> 32'16	23°19'19
evening set	13301 Dec 24 10:57	26° <b>る</b> 09'59		retrograde	13302 Nov 29 19:14	7° <b>る</b> 10'14	
min. Earth dist.	13301 Dec 29 13:07	23° <b>る</b> 26'27	0.56604 AU	evening set	13302 Dec 04 03:27	6° <b>පි</b> 29'16	
inferior conj	13302 Jan 01 04:13	21° <b>る</b> 44'23	-5°16'04	min. Earth dist.	13302 Dec 10 21:05	3° <b>⋜</b> 19'30	0.55173 AU
minimum elong	13302 Jan 01 12:12	21° <b>る</b> 31'25	5°13'30	inferior conj	13302 Dec 12 10:16	2° <b>る</b> 25'31	-5°54'37
morning rise	13302 Jan 09 15:41	17° <b>る</b> 36'03		minimum elong	13302 Dec 12 12:16	2° <b>る</b> 22'37	5°53'31
direct	13302 Jan 11 22:19	17° <b>る</b> 21'22			13302 Dec 16 22:02	30°R. <b>✓</b>	
asc. node	13302 Jan 20 08:01	20° <b>る</b> 57'46		morning rise	13302 Dec 20 22:44	28° <b>∡</b> ³34′26	
morning max el	13302 Jan 21 09:26	21° <b>る</b> 55'58	19°19'05	direct	13302 Dec 23 19:17	28° <b>∡</b> 14'53	
	13302 Jan 27 18:26	0° <b>≈</b>			13302 Dec 30 04:22	0°ರ	
morning set	13302 Feb 07 08:08	19° <b>≈</b> 18'43		morning max el	13303 Jan 03 19:37	3° <b>⋜</b> 30'19	20°34'18
	13302 Feb 12 16:37	0° <b>∀</b>		asc. node	13303 Jan 07 05:14	7° <b>る</b> 13'59	
					13303 Jan 20 16:38	0° <b>≈</b>	
superior conj	13302 Feb 15 12:06	5° <b>)</b> 31′04	0°52'26	morning set	13303 Jan 22 15:25	3° <b>≈</b> 58'52	
minimum elong	13302 Feb 15 14:48	5° <b>¥</b> 44'12	0°52'32				
max. Earth dist.	13302 Feb 22 03:22	17° <b>¥</b> 59'43	1.38305 AU	superior conj	13303 Jan 30 03:27	19° <b>≈</b> 28′26	1°14'00
desc. node	13302 Feb 22 05:07	18° <b>∺</b> 07'41		minimum elong	13303 Jan 30 06:05	19° <b>≈</b> 41'48	1°14'24
evening rise	13302 Feb 25 20:55	24° <b>)</b> 38′00			13303 Feb 04 10:53	0° <b>∀</b>	
	13302 Mar 01 00:07	$0^{\circ}$ Y		max. Earth dist.	13303 Feb 04 11:22	0° <b>₩</b> 02'22	1.36132 AU
	13302 Mar 20 19:19	$0^{\circ}$ 8		evening rise	13303 Feb 08 07:49	7° <b>₩</b> 17'15	
evening max el	13302 Apr 02 05:38	14° <b>8</b> 49'21	24°53'19	desc. node	13303 Feb 09 01:43	8° <b>)</b> 39′05	
retrograde	13302 Apr 14 01:17	21° <b>8</b> 42'17			13303 Feb 21 18:30	$0^{\circ}$ Y	
asc. node	13302 Apr 18 04:41	20° <b>8</b> 27'39		evening max el	13303 Mar 15 19:08	28° <b>Y</b> '40'05	26°03'35
evening set	13302 Apr 19 17:40	19° <b>8</b> 19'34			13303 Mar 17 04:57	0°8	
min. Earth dist.	13302 Apr 24 04:47	14° <b>8</b> 18'17	0.68191 AU	retrograde	13303 Mar 28 11:40	5° <b>8</b> 55'34	
inferior conj	13302 Apr 25 07:47	12° <b>8</b> 49'08	2°03'20	evening set	13303 Apr 03 15:14	3° <b>8</b> 25'15	
minimum elong	13302 Apr 25 05:37	12° <b>8</b> 56'16	2°02'05	asc. node	13303 Apr 05 02:05	2° <b>8</b> 05'10	
morning rise	13302 Apr 30 17:50	6° <b>8</b> 52'41			13303 Apr 06 23:36	30° <b>₹Ƴ</b>	
direct	13302 May 04 10:52	5° <b>8</b> 33'43		min. Earth dist.	13303 Apr 07 19:46	28° <b>Y</b> 59'14	0.67177 AU

inferior conj	13303 Apr 09 11:13	26° <b>Y</b> ′56'27	1°20'15	minimum elong	13304 Mar 23 07:46	10° <b>Y</b> 56′01	0°25'49
minimum elong	13303 Apr 09 09:26	27° <b>Υ</b> '02'00	1°19'15	morning rise	13304 Mar 29 11:22	5° <b>Υ</b> 19'27	0 20 .)
morning rise	13303 Apr 15 04:23	21° <b>Y</b> ′10′03	,	direct	13304 Apr 01 07:14	4° <b>Ƴ</b> 35'58	
direct	13303 Apr 18 10:14	20° <b>Y</b> °10′16		morning max el	13304 Apr 07 15:58		18°06'40
morning max el	13303 Apr 25 01:25	23° <b>Y</b> '43'48	18°41'47	C	13304 Apr 23 01:27	0°B	
C	13303 Apr 30 08:22	0°B		desc. node	13304 Apr 24 00:38	1° <b>8</b> 33'47	
desc. node	13303 May 08 03:58	11° <b>8</b> 25'36		morning set	13304 Apr 26 08:49	5° <b>8</b> 21'17	
morning set	13303 May 16 17:33	24° <b>8</b> 44'08		-			
	13303 May 20 02:25	$\Pi^{\circ}0$		superior conj	13304 May 11 07:02	29° <b>8</b> 11'00	-1°49'27
max. Earth dist.	13303 May 31 21:51	18° <b>Ⅲ</b> 25'55	1.45727 AU	minimum elong	13304 May 10 21:59	28° <b>8</b> 35'31	1°49'31
					13304 May 11 19:31	$\Pi$ °0	
superior conj	13303 Jun 01 22:09	20° <b>Ⅱ</b> 00'52	-2°10'26	max. Earth dist.	13304 May 13 17:38		1.45750 AU
minimum elong	13303 Jun 01 17:51	19° <b>Ⅱ</b> 44'03	2°11'17	evening rise	13304 May 27 09:27	24° <b>Ⅱ</b> 13'37	
	13303 Jun 08 06:50	$0$ $\circ$			13304 May 31 03:06	$0$ $\circ$ $\odot$	
evening rise	13303 Jun 17 09:02	14° <b>5</b> 26'19		greatest brilliancy	13304 Jun 08 18:07	13° <b>©</b> 09'44	-0.7m
greatest brilliancy	13303 Jun 24 07:24	25° <b>©</b> 30'30	-0.9m	asc. node	13304 Jun 17 21:03	25° <b>©</b> 48'51	
	13303 Jun 27 03:55	$0$ $^{\circ}\Omega$		evening max el	13304 Jun 20 15:14	28° <b>©</b> 52'33	19°19'57
asc. node	13303 Jul 02 00:06	7° <b>Ω</b> 17'04			13304 Jun 21 19:55	$0^{\circ}\Omega$	
evening max el	13303 Jul 08 06:39	15° <b>Ω</b> 06'41	18°37'01	retrograde	13304 Jun 27 16:31	2° <b>Ω</b> 48'56	
retrograde	13303 Jul 14 19:25	18° <b>Ω</b> 39'15		evening set	13304 Jul 01 06:54	1° <b>Ω</b> 33'36	
evening set	13303 Jul 18 00:41	17° <b>Ω</b> 40′20			13304 Jul 03 02:39	30° <b>₹</b> 5	
inferior conj	13303 Jul 23 16:33	12° <b>Ω</b> 03'18	2°48'29	inferior conj	13304 Jul 06 16:39	25°5642'37	
minimum elong	13303 Jul 23 18:31	11° <b>Ω</b> 57'17	2°47'18	minimum elong	13304 Jul 06 17:40	25°539'18	3°06'17
min. Earth dist.	13303 Jul 25 16:16	9° <b>Ω</b> 37'41	0.65516 AU	min. Earth dist.	13304 Jul 08 01:50	23°954'06	0.67056 AU
morning rise	13303 Jul 29 11:21	5° <b>Ω</b> 40′20		morning rise	13304 Jul 12 03:52	19°5518'35	
desc. node	13303 Aug 04 02:59	3° <b>Ω</b> 02'10		direct desc. node	13304 Jul 18 05:08	16°9540'23	
direct morning max el	13303 Aug 04 21:33 13303 Aug 18 05:25	3° <b>Ω</b> 00'00 10° <b>Ω</b> 52'22	26°57'07	morning max el	13304 Jul 21 00:22 13304 Jul 30 16:19	17° <b>©</b> 09'17 24° <b>©</b> 08'15	25°46'15
morning max er	13303 Aug 18 03.23 13303 Sep 02 09:31	0° m)	20 37 07	morning max er	13304 Jul 30 10:19	24 <b>3</b> 08 13	23 40 13
	13303 Sep 02 09:31 13303 Sep 20 12:02	0∘ <del>ত</del> المارة			13304 Aug 04 22:23	0° <b>m</b> )	
morning set	13303 Sep 20 12:02 13303 Sep 22 21:49	0 <b>=</b> 4° <b>ჲ</b> 32'59		morning set	13304 Sep 04 16:11	17° Mp 04'57	
max. Earth dist.	13303 Sep 22 21:49 13303 Sep 27 03:17	12° <b>≏</b> 52'29	1.33779 AU	max. Earth dist.	13304 Sep 04 10:11 13304 Sep 08 08:36	23° m) 57'35	1.35651 AU
asc. node	13303 Sep 28 01:40	14° <b>Ω</b> 45'57	1.55 / / / 110	max. Darm dist.	13304 Sep 11 11:27	0∘ <b>ಹ</b>	1.55051710
				asc. node	13304 Sep 13 22:15	4° <b>£</b> 52'45	
superior conj	13303 Oct 01 11:45	21° <b>≏</b> 51'09	0°32'05		T. I. I.		
minimum elong	13303 Oct 01 10:10	21° <b>≏</b> 42'51	0°32'03	superior conj	13304 Sep 14 05:10	5° <b>≏</b> 27'34	0°02'44
_	13303 Oct 05 07:51	$0^{\circ}$ M		minimum elong	13304 Sep 14 05:00	5° <b>£</b> 26'45	0°02'41
evening rise	13303 Oct 08 17:51	7°M16'22		behind sun begin	13304 Sep 13 22:54	4° <b>£</b> 56'00	
	13303 Oct 20 18:04	0° <b>∡</b> ¹		behind sun end	13304 Sep 14 11:06	5° <b>≙</b> 57'34	
evening max el	13303 Oct 29 00:33	10° <b>х</b> 37′43	21°39'43	evening rise	13304 Sep 22 01:16	21° <b>≙</b> 34'10	
desc. node	13303 Oct 30 23:12	12° <b>∡</b> ¹23'50					
retrograde					13304 Sep 26 05:37	$0^{\circ}$ M	
	13303 Nov 10 08:17	16° <b>∡</b> 744'46		evening max el	13304 Sep 26 05:37 13304 Oct 10 01:51	0° <b>ጤ</b> 21° <b>ጤ</b> 17'28	20°14'48
evening set	13303 Nov 10 08:17 13303 Nov 13 07:13			desc. node	•		20°14'48
inferior conj	13303 Nov 13 07:13 13303 Nov 22 03:22	16° <b>₹</b> 44'46 16° <b>₹</b> 24'57 12° <b>₹</b> 30'52		desc. node retrograde	13304 Oct 10 01:51 13304 Oct 16 20:38 13304 Oct 20 20:14	21°M17'28 25°M55'33 26°M38'43	20°14'48
inferior conj minimum elong	13303 Nov 13 07:13 13303 Nov 22 03:22 13303 Nov 21 20:37	16° ₹44'46 16° ₹24'57 12° ₹30'52 12° ₹40'20	5°36'27	desc. node retrograde evening set	13304 Oct 10 01:51 13304 Oct 16 20:38 13304 Oct 20 20:14 13304 Oct 22 22:03	21°M17'28 25°M55'33 26°M38'43 26°M27'41	
inferior conj minimum elong min. Earth dist.	13303 Nov 13 07:13 13303 Nov 22 03:22 13303 Nov 21 20:37 13303 Nov 22 03:18	16° ₹ 44'46 16° ₹ 24'57 12° ₹ 30'52 12° ₹ 40'20 12° ₹ 30'57		desc. node retrograde evening set inferior conj	13304 Oct 10 01:51 13304 Oct 16 20:38 13304 Oct 20 20:14 13304 Oct 22 22:03 13304 Oct 31 21:01	21°M17'28 25°M55'33 26°M38'43 26°M27'41 22°M30'50	-4°24'58
inferior conj minimum elong min. Earth dist. morning rise	13303 Nov 13 07:13 13303 Nov 22 03:22 13303 Nov 21 20:37 13303 Nov 22 03:18 13303 Nov 30 10:57	16° ₹ 44'46 16° ₹ 24'57 12° ₹ 30'52 12° ₹ 40'20 12° ₹ 30'57 8° ₹ 42'54	5°36'27	desc. node retrograde evening set inferior conj minimum elong	13304 Oct 10 01:51 13304 Oct 16 20:38 13304 Oct 20 20:14 13304 Oct 22 22:03 13304 Oct 31 21:01 13304 Oct 31 10:56	21°M17'28 25°M55'33 26°M38'43 26°M27'41 22°M30'50 22°M45'44	-4°24'58 4°21'17
inferior conj minimum elong min. Earth dist. morning rise direct	13303 Nov 13 07:13 13303 Nov 22 03:22 13303 Nov 21 20:37 13303 Nov 22 03:18 13303 Nov 30 10:57 13303 Dec 04 03:56	16° ₹44'46 16° ₹24'57 12° ₹30'52 12° ₹40'20 12° ₹30'57 8° ₹42'54 8° ₹12'58	5°36'27 0.54523 AU	desc. node retrograde evening set inferior conj minimum elong min. Earth dist.	13304 Oct 10 01:51 13304 Oct 16 20:38 13304 Oct 20 20:14 13304 Oct 22 22:03 13304 Oct 31 21:01 13304 Oct 31 10:56 13304 Nov 02 10:55	21°M.17'28 25°M.55'33 26°M.27'41 22°M.30'50 22°M.45'44 21°M.34'43	-4°24'58
inferior conj minimum elong min. Earth dist. morning rise direct morning max el	13303 Nov 13 07:13 13303 Nov 22 03:22 13303 Nov 21 20:37 13303 Nov 22 03:18 13303 Nov 30 10:57 13303 Dec 04 03:56 13303 Dec 16 15:49	16° ₹44'46 16° ₹24'57 12° ₹30'52 12° ₹40'20 12° ₹30'57 8° ₹42'54 8° ₹12'58 14° ₹12'04	5°36'27 0.54523 AU	desc. node retrograde evening set inferior conj minimum elong min. Earth dist. morning rise	13304 Oct 10 01:51 13304 Oct 16 20:38 13304 Oct 20 20:14 13304 Oct 22 22:03 13304 Oct 31 21:01 13304 Oct 31 10:56 13304 Nov 02 10:55 13304 Nov 08 22:59	21°M.17'28 25°M.55'33 26°M.38'43 26°M.27'41 22°M.30'50 22°M.45'44 21°M.34'43 18°M.26'06	-4°24'58 4°21'17
inferior conj minimum elong min. Earth dist. morning rise direct	13303 Nov 13 07:13 13303 Nov 22 03:22 13303 Nov 21 20:37 13303 Nov 22 03:18 13303 Nov 30 10:57 13303 Dec 04 03:56 13303 Dec 16 15:49 13303 Dec 25 02:24	16° ₹44'46 16° ₹24'57 12° ₹30'52 12° ₹40'20 12° ₹30'57 8° ₹42'54 8° ₹12'58 14° ₹12'04 24° ₹36'31	5°36'27 0.54523 AU	desc. node retrograde evening set inferior conj minimum elong min. Earth dist. morning rise direct	13304 Oct 10 01:51 13304 Oct 16 20:38 13304 Oct 20 20:14 13304 Oct 22 22:03 13304 Oct 31 21:01 13304 Oct 31 10:56 13304 Nov 02 10:55 13304 Nov 08 22:59 13304 Nov 13 14:08	21°M17'28 25°M55'33 26°M38'43 26°M27'41 22°M30'50 22°M45'44 21°M34'43 18°M26'06 17°M39'39	-4°24'58 4°21'17 0.54814 AU
inferior conj minimum elong min. Earth dist. morning rise direct morning max el asc. node	13303 Nov 13 07:13 13303 Nov 22 03:22 13303 Nov 21 20:37 13303 Nov 22 03:18 13303 Nov 30 10:57 13303 Dec 04 03:56 13303 Dec 16 15:49 13303 Dec 25 02:24 13303 Dec 28 10:34	16° ₹44'46 16° ₹24'57 12° ₹30'52 12° ₹40'20 12° ₹30'57 8° ₹42'54 8° ₹12'58 14° ₹12'04 24° ₹36'31 0° ₹	5°36'27 0.54523 AU	desc. node retrograde evening set inferior conj minimum elong min. Earth dist. morning rise	13304 Oct 10 01:51 13304 Oct 16 20:38 13304 Oct 20 20:14 13304 Oct 22 22:03 13304 Oct 31 21:01 13304 Oct 31 10:56 13304 Nov 02 10:55 13304 Nov 08 22:59 13304 Nov 13 14:08 13304 Nov 27 02:55	21°M17'28 25°M55'33 26°M38'43 26°M27'41 22°M30'50 22°M45'44 21°M34'43 18°M26'06 17°M39'39 24°M18'00	-4°24'58 4°21'17 0.54814 AU
inferior conj minimum elong min. Earth dist. morning rise direct morning max el	13303 Nov 13 07:13 13303 Nov 22 03:22 13303 Nov 21 20:37 13303 Nov 22 03:18 13303 Nov 30 10:57 13303 Dec 04 03:56 13303 Dec 16 15:49 13303 Dec 25 02:24 13303 Dec 28 10:34 13304 Jan 07 01:58	16° ₹44'46 16° ₹24'57 12° ₹30'52 12° ₹40'20 12° ₹30'57 8° ₹42'54 8° ₹12'58 14° ₹12'04 24° ₹36'31 0° ₹5 18° ₹44'27	5°36'27 0.54523 AU	desc. node retrograde evening set inferior conj minimum elong min. Earth dist. morning rise direct morning max el	13304 Oct 10 01:51 13304 Oct 16 20:38 13304 Oct 20 20:14 13304 Oct 22 22:03 13304 Oct 31 21:01 13304 Oct 31 10:56 13304 Nov 02 10:55 13304 Nov 08 22:59 13304 Nov 13 14:08 13304 Nov 27 02:55 13304 Dec 02 07:33	21°M.17'28 25°M.55'33 26°M.38'43 26°M.27'41 22°M.30'50 22°M.45'44 21°M.34'43 18°M.26'06 17°M.39'39 24°M.18'00 0° 🗷	-4°24'58 4°21'17 0.54814 AU
inferior conj minimum elong min. Earth dist. morning rise direct morning max el asc. node	13303 Nov 13 07:13 13303 Nov 22 03:22 13303 Nov 21 20:37 13303 Nov 22 03:18 13303 Nov 30 10:57 13303 Dec 04 03:56 13303 Dec 16 15:49 13303 Dec 25 02:24 13303 Dec 28 10:34	16° ₹44'46 16° ₹24'57 12° ₹30'52 12° ₹40'20 12° ₹30'57 8° ₹42'54 8° ₹12'58 14° ₹12'04 24° ₹36'31 0° ₹	5°36'27 0.54523 AU	desc. node retrograde evening set inferior conj minimum elong min. Earth dist. morning rise direct	13304 Oct 10 01:51 13304 Oct 16 20:38 13304 Oct 20 20:14 13304 Oct 31 21:01 13304 Oct 31 10:56 13304 Nov 02 10:55 13304 Nov 08 22:59 13304 Nov 13 14:08 13304 Nov 27 02:55 13304 Dec 02 07:33 13304 Dec 10 23:28	21°M.17'28 25°M.55'33 26°M.38'43 26°M.27'41 22°M.30'50 22°M.45'44 21°M.34'43 18°M.26'06 17°M.39'39 24°M.18'00 0° 🗷 12° 🗷 50'00	-4°24'58 4°21'17 0.54814 AU
inferior conj minimum elong min. Earth dist. morning rise direct morning max el asc. node morning set	13303 Nov 13 07:13 13303 Nov 22 03:22 13303 Nov 21 20:37 13303 Nov 22 03:18 13303 Nov 30 10:57 13303 Dec 04 03:56 13303 Dec 16 15:49 13303 Dec 25 02:24 13303 Dec 28 10:34 13304 Jan 07 01:58 13304 Jan 12 08:39	16° ₹44'46 16° ₹24'57 12° ₹30'52 12° ₹40'20 12° ₹30'57 8° ₹42'54 8° ₹12'58 14° ₹12'04 24° ₹36'31 0° ₹ 18° ₹44'27 0° ≈	5°36'27 0.54523 AU 22°10'31	desc. node retrograde evening set inferior conj minimum elong min. Earth dist. morning rise direct morning max el asc. node	13304 Oct 10 01:51 13304 Oct 16 20:38 13304 Oct 20 20:14 13304 Oct 22 22:03 13304 Oct 31 21:01 13304 Oct 31 10:56 13304 Nov 02 10:55 13304 Nov 08 22:59 13304 Nov 13 14:08 13304 Nov 27 02:55 13304 Dec 02 07:33 13304 Dec 10 23:28 13304 Dec 19 22:11	21°M17'28 25°M55'33 26°M38'43 26°M27'41 22°M30'50 22°M45'44 21°M34'43 18°M26'06 17°M39'39 24°M18'00 0°  ₹  12°  ₹50'00 0°  5	-4°24'58 4°21'17 0.54814 AU
inferior conj minimum elong min. Earth dist. morning rise direct morning max el asc. node morning set	13303 Nov 13 07:13 13303 Nov 22 03:22 13303 Nov 21 20:37 13303 Nov 22 03:18 13303 Nov 30 10:57 13303 Dec 04 03:56 13303 Dec 16 15:49 13303 Dec 25 02:24 13303 Dec 28 10:34 13304 Jan 07 01:58 13304 Jan 12 08:39	16° ₹44'46 16° ₹24'57 12° ₹30'52 12° ₹40'20 12° ₹30'57 8° ₹42'54 8° ₹12'58 14° ₹12'04 24° ₹36'31 0° ₹ 18° ₹44'27 0° ≈	5°36'27 0.54523 AU 22°10'31 1°28'32	desc. node retrograde evening set inferior conj minimum elong min. Earth dist. morning rise direct morning max el	13304 Oct 10 01:51 13304 Oct 16 20:38 13304 Oct 20 20:14 13304 Oct 31 21:01 13304 Oct 31 10:56 13304 Nov 02 10:55 13304 Nov 08 22:59 13304 Nov 13 14:08 13304 Nov 27 02:55 13304 Dec 02 07:33 13304 Dec 10 23:28	21°M.17'28 25°M.55'33 26°M.38'43 26°M.27'41 22°M.30'50 22°M.45'44 21°M.34'43 18°M.26'06 17°M.39'39 24°M.18'00 0° 🗷 12° 🗷 50'00	-4°24'58 4°21'17 0.54814 AU
inferior conj minimum elong min. Earth dist. morning rise direct morning max el asc. node morning set  superior conj minimum elong	13303 Nov 13 07:13 13303 Nov 22 03:22 13303 Nov 21 20:37 13303 Nov 22 03:18 13303 Nov 30 10:57 13303 Dec 04 03:56 13303 Dec 16 15:49 13303 Dec 25 02:24 13303 Dec 28 10:34 13304 Jan 07 01:58 13304 Jan 12 08:39	16° ₹44'46 16° ₹24'57 12° ₹30'52 12° ₹40'20 12° ₹30'57 8° ₹42'54 8° ₹12'58 14° ₹12'04 24° ₹36'31 0° ₹ 18° ₹44'27 0° ≈ 3° ≈48'31 3° ≈58'30	5°36'27 0.54523 AU 22°10'31 1°28'32 1°29'16	desc. node retrograde evening set inferior conj minimum elong min. Earth dist. morning rise direct morning max el asc. node morning set	13304 Oct 10 01:51 13304 Oct 16 20:38 13304 Oct 20 20:14 13304 Oct 21 22:03 13304 Oct 31 21:01 13304 Oct 31 10:56 13304 Nov 02 10:55 13304 Nov 08 22:59 13304 Nov 13 14:08 13304 Nov 27 02:55 13304 Dec 02 07:33 13304 Dec 10 23:28 13304 Dec 19 22:11 13304 Dec 21 13:50	21°M.17'28 25°M.55'33 26°M.38'43 26°M.27'41 22°M.30'50 22°M.45'44 21°M.34'43 18°M.26'06 17°M.39'39 24°M.18'00 0° \$\mathrightarrow{7}\$ 12° \$\mathrightarrow{7}\$50'00 0° \$\mathrightarrow{8}\$ 3° \$\mathrightarrow{3}\$30'06	-4°24'58 4°21'17 0.54814 AU 23°58'43
inferior conj minimum elong min. Earth dist. morning rise direct morning max el asc. node morning set  superior conj minimum elong max. Earth dist.	13303 Nov 13 07:13 13303 Nov 22 03:22 13303 Nov 21 20:37 13303 Nov 22 03:18 13303 Nov 30 10:57 13303 Dec 04 03:56 13303 Dec 16 15:49 13303 Dec 25 02:24 13303 Dec 28 10:34 13304 Jan 07 01:58 13304 Jan 12 08:39 13304 Jan 14 03:41 13304 Jan 14 05:35 13304 Jan 18 00:55	16° ₹44'46 16° ₹24'57 12° ₹30'52 12° ₹40'20 12° ₹30'57 8° ₹42'54 8° ₹12'58 14° ₹12'04 24° ₹36'31 0° ₹ 18° ₹44'27 0° ≈	5°36'27 0.54523 AU 22°10'31 1°28'32	desc. node retrograde evening set inferior conj minimum elong min. Earth dist. morning rise direct morning max el asc. node morning set superior conj	13304 Oct 10 01:51 13304 Oct 16 20:38 13304 Oct 20 20:14 13304 Oct 21 22:03 13304 Oct 31 21:01 13304 Oct 31 10:56 13304 Nov 02 10:55 13304 Nov 08 22:59 13304 Nov 13 14:08 13304 Dec 02 07:33 13304 Dec 10 23:28 13304 Dec 19 22:11 13304 Dec 21 13:50	21°M17'28 25°M55'33 26°M38'43 26°M27'41 22°M30'50 22°M45'44 21°M34'43 18°M26'06 17°M39'39 24°M18'00 0°  ₹  12°  ₹50'00 0°  5	-4°24'58 4°21'17 0.54814 AU
inferior conj minimum elong min. Earth dist. morning rise direct morning max el asc. node morning set  superior conj minimum elong	13303 Nov 13 07:13 13303 Nov 22 03:22 13303 Nov 21 20:37 13303 Nov 22 03:18 13303 Nov 30 10:57 13303 Dec 04 03:56 13303 Dec 16 15:49 13303 Dec 25 02:24 13303 Dec 28 10:34 13304 Jan 07 01:58 13304 Jan 12 08:39	16° 🗷 44'46 16° 🗷 24'57 12° 🗷 30'52 12° 🗷 40'20 12° 🗷 30'57 8° 🗷 42'54 8° 🗷 12'58 14° 🗷 12'04 24° 🗷 36'31 0° 🛪 18° 🛪 44'27 0° 🕿 3° ≈ 48'31 3° ≈ 58'30 11° ≈ 52'57	5°36'27 0.54523 AU 22°10'31 1°28'32 1°29'16	desc. node retrograde evening set inferior conj minimum elong min. Earth dist. morning rise direct morning max el asc. node morning set	13304 Oct 10 01:51 13304 Oct 16 20:38 13304 Oct 20 20:14 13304 Oct 21 22:03 13304 Oct 31 21:01 13304 Oct 31 10:56 13304 Nov 02 10:55 13304 Nov 08 22:59 13304 Nov 13 14:08 13304 Dec 02 07:33 13304 Dec 10 23:28 13304 Dec 10 23:28 13304 Dec 21 13:50 13304 Dec 28 09:57 13304 Dec 28 10:47	21°M.17'28 25°M.55'33 26°M.38'43 26°M.27'41 22°M.30'50 22°M.45'44 21°M.34'43 18°M.26'06 17°M.39'39 24°M.18'00 0° ♂ 12° ♂50'00 0° ♂ 3°♂30'06	-4°24'58 4°21'17 0.54814 AU 23°58'43
inferior conj minimum elong min. Earth dist. morning rise direct morning max el asc. node morning set  superior conj minimum elong max. Earth dist. evening rise	13303 Nov 13 07:13 13303 Nov 22 03:22 13303 Nov 21 20:37 13303 Nov 22 03:18 13303 Nov 30 10:57 13303 Dec 04 03:56 13303 Dec 16 15:49 13303 Dec 25 02:24 13303 Dec 28 10:34 13304 Jan 07 01:58 13304 Jan 12 08:39  13304 Jan 14 03:41 13304 Jan 14 05:35 13304 Jan 18 00:55 13304 Jan 22 09:50	16° 🗷 44'46 16° 🗷 24'57 12° 🗷 30'52 12° 🗷 40'20 12° 🗷 30'57 8° 🗷 42'54 8° 🗷 12'58 14° 🗷 12'04 24° 🗷 36'31 0° 🛪 18° 🛪 44'27 0° 🕿 3° ≈ 48'31 3° ≈ 58'30 11° ≈ 52'57 20° ≈ 33'43	5°36'27 0.54523 AU 22°10'31 1°28'32 1°29'16	desc. node retrograde evening set inferior conj minimum elong min. Earth dist. morning rise direct morning max el asc. node morning set superior conj minimum elong	13304 Oct 10 01:51 13304 Oct 16 20:38 13304 Oct 20 20:14 13304 Oct 21 22:03 13304 Oct 31 21:01 13304 Oct 31 10:56 13304 Nov 02 10:55 13304 Nov 08 22:59 13304 Nov 13 14:08 13304 Dec 02 07:33 13304 Dec 10 23:28 13304 Dec 19 22:11 13304 Dec 21 13:50	21°M.17'28 25°M.55'33 26°M.38'43 26°M.27'41 22°M.30'50 22°M.45'44 21°M.34'43 18°M.26'06 17°M.39'39 24°M.18'00 0°  3°  3°  30'06  18°  18°  523'09 18°  18°  527'45	-4°24'58 4°21'17 0.54814 AU 23°58'43 1°36'26 1°37'25
inferior conj minimum elong min. Earth dist. morning rise direct morning max el asc. node morning set  superior conj minimum elong max. Earth dist. evening rise	13303 Nov 13 07:13 13303 Nov 22 03:22 13303 Nov 21 20:37 13303 Nov 22 03:18 13303 Nov 30 10:57 13303 Dec 04 03:56 13303 Dec 16 15:49 13303 Dec 25 02:24 13303 Dec 28 10:34 13304 Jan 07 01:58 13304 Jan 12 08:39  13304 Jan 14 03:41 13304 Jan 14 05:35 13304 Jan 18 00:55 13304 Jan 22 09:50 13304 Jan 26 22:22	16° ₹44'46 16° ₹24'57 12° ₹30'52 12° ₹40'20 12° ₹30'57 8° ₹42'54 8° ₹12'58 14° ₹12'04 24° ₹36'31 0° ₹ 18° ₹44'27 0° ≈ 3° ≈48'31 3° ≈58'30 11° ≈52'57 20° ≈33'43 29° ≈01'15	5°36'27 0.54523 AU 22°10'31 1°28'32 1°29'16	desc. node retrograde evening set inferior conj minimum elong min. Earth dist. morning rise direct morning max el asc. node morning set superior conj minimum elong	13304 Oct 10 01:51 13304 Oct 16 20:38 13304 Oct 20 20:14 13304 Oct 21 22:03 13304 Oct 31 21:01 13304 Oct 31 10:56 13304 Nov 02 10:55 13304 Nov 08 22:59 13304 Nov 13 14:08 13304 Dec 02 07:33 13304 Dec 10 23:28 13304 Dec 10 23:28 13304 Dec 21 13:50  13304 Dec 28 09:57 13304 Dec 28 10:47 13304 Dec 30 22:22	21°M.17'28 25°M.55'33 26°M.27'41 22°M.30'50 22°M.45'44 21°M.34'43 18°M.26'06 17°M.39'39 24°M.18'00 0° ₹ 12° ₹50'00 0° ₹ 3°₹30'06 18°₹23'09 18°₹22'45 23°₹49'11	-4°24'58 4°21'17 0.54814 AU 23°58'43 1°36'26 1°37'25
inferior conj minimum elong min. Earth dist. morning rise direct morning max el asc. node morning set  superior conj minimum elong max. Earth dist. evening rise	13303 Nov 13 07:13 13303 Nov 22 03:22 13303 Nov 21 20:37 13303 Nov 22 03:18 13303 Nov 30 10:57 13303 Dec 04 03:56 13303 Dec 16 15:49 13303 Dec 25 02:24 13303 Dec 28 10:34 13304 Jan 07 01:58 13304 Jan 12 08:39 13304 Jan 14 03:41 13304 Jan 14 05:35 13304 Jan 18 00:55 13304 Jan 22 09:50 13304 Jan 26 22:22 13304 Jan 27 11:24	16° ₹44'46 16° ₹24'57 12° ₹30'52 12° ₹40'20 12° ₹30'57 8° ₹42'54 8° ₹12'58 14° ₹12'04 24° ₹36'31 0° ₹ 18° ₹44'27 0° ≈ 3° ≈48'31 3° ≈58'30 11° ≈52'57 20° ≈33'43 29° ≈01'15 0° €	5°36'27 0.54523 AU 22°10'31 1°28'32 1°29'16	desc. node retrograde evening set inferior conj minimum elong min. Earth dist. morning rise direct morning max el asc. node morning set superior conj minimum elong max. Earth dist.	13304 Oct 10 01:51 13304 Oct 16 20:38 13304 Oct 20 20:14 13304 Oct 21 22:03 13304 Oct 31 21:01 13304 Oct 31 10:56 13304 Nov 02 10:55 13304 Nov 08 22:59 13304 Nov 13 14:08 13304 Dec 02 07:33 13304 Dec 10 23:28 13304 Dec 10 23:28 13304 Dec 21 13:50  13304 Dec 28 09:57 13304 Dec 28 10:47 13304 Dec 30 22:22 13305 Jan 02 20:50	21°M.17'28 25°M.55'33 26°M.38'43 26°M.27'41 22°M.30'50 22°M.45'44 21°M.34'43 18°M.26'06 17°M.39'39 24°M.18'00 0°  3° 3° 330'06  18° ₹23'09 18° ₹27'45 23° ₹49'11 0° ≈	-4°24'58 4°21'17 0.54814 AU 23°58'43 1°36'26 1°37'25
inferior conj minimum elong min. Earth dist. morning rise direct morning max el asc. node morning set  superior conj minimum elong max. Earth dist. evening rise desc. node	13303 Nov 13 07:13 13303 Nov 22 03:22 13303 Nov 22 03:23 13303 Nov 22 03:18 13303 Nov 30 10:57 13303 Dec 04 03:56 13303 Dec 16 15:49 13303 Dec 25 02:24 13303 Dec 28 10:34 13304 Jan 07 01:58 13304 Jan 12 08:39 13304 Jan 14 03:41 13304 Jan 14 05:35 13304 Jan 18 00:55 13304 Jan 22 09:50 13304 Jan 26 22:22 13304 Jan 27 11:24 13304 Feb 15 17:00	16° ₹44'46 16° ₹24'57 12° ₹30'52 12° ₹40'20 12° ₹30'57 8° ₹42'54 8° ₹12'58 14° ₹12'04 24° ₹36'31 0° ₹ 18° ₹44'27 0° ≈ 3° ≈48'31 3° ≈58'30 11° ≈52'57 20° ≈33'43 29° ≈01'15 0° ₹	5°36'27 0.54523 AU 22°10'31 1°28'32 1°29'16 1.34242 AU	desc. node retrograde evening set inferior conj minimum elong min. Earth dist. morning rise direct morning max el asc. node morning set superior conj minimum elong max. Earth dist. evening rise	13304 Oct 10 01:51 13304 Oct 16 20:38 13304 Oct 20 20:14 13304 Oct 21 22:03 13304 Oct 31 21:01 13304 Oct 31 10:56 13304 Nov 02 10:55 13304 Nov 08 22:59 13304 Nov 13 14:08 13304 Dec 02 07:33 13304 Dec 10 23:28 13304 Dec 10 23:28 13304 Dec 21 13:50  13304 Dec 28 09:57 13304 Dec 28 10:47 13304 Dec 30 22:22 13305 Jan 02 20:50 13305 Jan 04 23:35	21°M17'28 25°M55'33 26°M27'41 22°M30'50 22°M45'44 21°M34'43 18°M26'06 17°M39'39 24°M18'00 0°ズ 12°ズ50'00 0°उ 3°♂30'06 18°♂23'09 18°♂27'45 23°♂49'11 0°≈ 4°≈19'07	-4°24'58 4°21'17 0.54814 AU 23°58'43 1°36'26 1°37'25
inferior conj minimum elong min. Earth dist. morning rise direct morning max el asc. node morning set  superior conj minimum elong max. Earth dist. evening rise desc. node  evening max el	13303 Nov 13 07:13 13303 Nov 22 03:22 13303 Nov 22 03:23 13303 Nov 22 03:18 13303 Nov 30 10:57 13303 Dec 04 03:56 13303 Dec 16 15:49 13303 Dec 25 02:24 13303 Dec 28 10:34 13304 Jan 07 01:58 13304 Jan 12 08:39  13304 Jan 14 03:41 13304 Jan 14 05:35 13304 Jan 18 00:55 13304 Jan 18 00:55 13304 Jan 22 09:50 13304 Jan 26 22:22 13304 Jan 27 11:24 13304 Feb 15 17:00 13304 Feb 26 08:44	16° ₹44'46 16° ₹24'57 12° ₹30'52 12° ₹40'20 12° ₹30'57 8° ₹42'54 8° ₹12'58 14° ₹12'04 24° ₹36'31 0° ₹ 18° ₹44'27 0° ≈ 3° ≈48'31 3° ≈58'30 11° ≈52'57 20° ≈33'43 29° ≈01'15 0° ¥ 0° ♀ 12° ♀21'09	5°36'27 0.54523 AU 22°10'31 1°28'32 1°29'16 1.34242 AU	desc. node retrograde evening set inferior conj minimum elong min. Earth dist. morning rise direct morning max el asc. node morning set superior conj minimum elong max. Earth dist. evening rise	13304 Oct 10 01:51 13304 Oct 16 20:38 13304 Oct 20 20:14 13304 Oct 21 22:03 13304 Oct 31 21:01 13304 Oct 31 10:56 13304 Nov 02 10:55 13304 Nov 08 22:59 13304 Nov 13 14:08 13304 Dec 02 07:33 13304 Dec 10 23:28 13304 Dec 10 23:28 13304 Dec 21 13:50 13304 Dec 28 10:47 13304 Dec 28 10:47 13304 Dec 30 22:22 13305 Jan 02 20:50 13305 Jan 04 23:35 13305 Jan 12 19:06	21°M17'28 25°M55'33 26°M38'43 26°M27'41 22°M30'50 22°M45'44 21°M34'43 18°M26'06 17°M39'39 24°M18'00 0°ズ 12°ズ50'00 0°उ 3°♂30'06 18°♂23'09 18°♂27'45 23°♂49'11 0°≈ 4°≈19'07 19°≈09'24	-4°24'58 4°21'17 0.54814 AU 23°58'43 1°36'26 1°37'25 1.32768 AU
inferior conj minimum elong min. Earth dist. morning rise direct morning max el asc. node morning set  superior conj minimum elong max. Earth dist. evening rise desc. node  evening max el retrograde	13303 Nov 13 07:13 13303 Nov 22 03:22 13303 Nov 22 03:23 13303 Nov 22 03:18 13303 Nov 30 10:57 13303 Dec 04 03:56 13303 Dec 16 15:49 13303 Dec 25 02:24 13303 Dec 28 10:34 13304 Jan 07 01:58 13304 Jan 12 08:39  13304 Jan 14 03:41 13304 Jan 14 05:35 13304 Jan 18 00:55 13304 Jan 22 09:50 13304 Jan 26 22:22 13304 Jan 27 11:24 13304 Feb 15 17:00 13304 Feb 26 08:44 13304 Mar 10 16:32	16° ₹44'46 16° ₹24'57 12° ₹30'52 12° ₹40'20 12° ₹30'57 8° ₹42'54 8° ₹12'58 14° ₹12'04 24° ₹36'31 0° ₹ 18° ₹544'27 0° ≈ 3° ≈48'31 3° ≈58'30 11° ≈52'57 20° ≈33'43 29° ≈01'15 0° ₹ 0° ₹ 12° ₹21'09 19° ₹47'28	5°36'27 0.54523 AU 22°10'31 1°28'32 1°29'16 1.34242 AU	desc. node retrograde evening set inferior conj minimum elong min. Earth dist. morning rise direct morning max el asc. node morning set superior conj minimum elong max. Earth dist. evening rise desc. node	13304 Oct 10 01:51 13304 Oct 16 20:38 13304 Oct 20 20:14 13304 Oct 21 22:03 13304 Oct 31 21:01 13304 Oct 31 10:56 13304 Nov 02 10:55 13304 Nov 08 22:59 13304 Nov 13 14:08 13304 Dec 02 07:33 13304 Dec 10 23:28 13304 Dec 10 23:28 13304 Dec 21 13:50 13304 Dec 28 10:47 13304 Dec 28 10:47 13304 Dec 28 10:47 13304 Dec 28 10:47 13305 Jan 02 20:50 13305 Jan 02 20:50 13305 Jan 12 19:06 13305 Jan 19 04:56	21°M17'28 25°M55'33 26°M38'43 26°M27'41 22°M30'50 22°M45'44 21°M34'43 18°M26'06 17°M39'39 24°M18'00 0°ズ 12°ズ50'00 0°ズ 3°♂30'06 18°♂23'09 18°♂27'45 23°♂49'11 0°≈ 4°≈19'07 19°≈09'24 0°米	-4°24'58 4°21'17 0.54814 AU 23°58'43 1°36'26 1°37'25 1.32768 AU
inferior conj minimum elong min. Earth dist. morning rise direct morning max el asc. node morning set  superior conj minimum elong max. Earth dist. evening rise desc. node  evening max el retrograde evening set	13303 Nov 13 07:13 13303 Nov 22 03:22 13303 Nov 22 03:23 13303 Nov 22 03:18 13303 Nov 30 10:57 13303 Dec 04 03:56 13303 Dec 16 15:49 13303 Dec 25 02:24 13303 Dec 28 10:34 13304 Jan 07 01:58 13304 Jan 12 08:39  13304 Jan 14 03:41 13304 Jan 14 05:35 13304 Jan 18 00:55 13304 Jan 22 09:50 13304 Jan 26 22:22 13304 Jan 27 11:24 13304 Feb 15 17:00 13304 Feb 26 08:44 13304 Mar 10 16:32 13304 Mar 17 05:36	16° ₹44'46 16° ₹24'57 12° ₹30'52 12° ₹40'20 12° ₹30'57 8° ₹42'54 8° ₹12'58 14° ₹12'04 24° ₹36'31 0° ₹ 18° ₹344'27 0° ≈ 3° ≈48'31 3° ≈58'30 11° ≈52'57 20° ≈33'43 29° ≈01'15 0° ₹ 0° ₹ 12° ₹21'09 19° ₹47'28 17° ₹15'01	5°36'27 0.54523 AU 22°10'31 1°28'32 1°29'16 1.34242 AU 26°57'52	desc. node retrograde evening set inferior conj minimum elong min. Earth dist. morning rise direct morning max el asc. node morning set superior conj minimum elong max. Earth dist. evening rise desc. node	13304 Oct 10 01:51 13304 Oct 16 20:38 13304 Oct 20 20:14 13304 Oct 21 22:03 13304 Oct 31 21:01 13304 Oct 31 10:56 13304 Nov 02 10:55 13304 Nov 08 22:59 13304 Nov 13 14:08 13304 Dec 10 23:28 13304 Dec 10 23:28 13304 Dec 11 23:28 13304 Dec 21 13:50 13304 Dec 28 10:47 13305 Jan 02 20:50 13305 Jan 04 23:35 13305 Jan 12 19:06 13305 Jan 19 04:56 13305 Feb 07 21:34	21°M17'28 25°M55'33 26°M38'43 26°M27'41 22°M30'50 22°M45'44 21°M34'43 18°M26'06 17°M39'39 24°M18'00 0°ズ 12°ズ50'00 0°♂ 3°♂30'06  18°♂23'09 18°♂27'45 23°♂49'11 0°≈ 4°≈19'07 19°≈09'24 0°升 25°升42'32 0°쒸 3°쒸09'12	-4°24'58 4°21'17 0.54814 AU 23°58'43 1°36'26 1°37'25 1.32768 AU
inferior conj minimum elong min. Earth dist. morning rise direct morning max el asc. node  morning set  superior conj minimum elong max. Earth dist. evening rise desc. node  evening max el retrograde evening set min. Earth dist.	13303 Nov 13 07:13 13303 Nov 22 03:22 13303 Nov 22 03:23 13303 Nov 22 03:18 13303 Nov 30 10:57 13303 Dec 04 03:56 13303 Dec 16 15:49 13303 Dec 25 02:24 13303 Dec 28 10:34 13304 Jan 07 01:58 13304 Jan 12 08:39  13304 Jan 14 03:41 13304 Jan 14 05:35 13304 Jan 18 00:55 13304 Jan 22 09:50 13304 Jan 22 09:50 13304 Jan 27 11:24 13304 Feb 15 17:00 13304 Feb 26 08:44 13304 Mar 10 16:32 13304 Mar 17 05:36 13304 Mar 21 04:49	16° ₹44'46 16° ₹24'57 12° ₹30'52 12° ₹40'20 12° ₹30'57 8° ₹42'54 8° ₹12'58 14° ₹12'04 24° ₹36'31 0° ₹ 18° ₹44'27 0° ≈ 3° ≈48'31 3° ≈58'30 11° ≈52'57 20° ≈33'43 29° ≈01'15 0° ₹ 12° ₹21'09 19° ₹47'28 17° ₹15'01 13° ₹22'32	5°36'27 0.54523 AU 22°10'31 1°28'32 1°29'16 1.34242 AU 26°57'52	desc. node retrograde evening set inferior conj minimum elong min. Earth dist. morning rise direct morning max el asc. node morning set superior conj minimum elong max. Earth dist. evening rise desc. node evening max el	13304 Oct 10 01:51 13304 Oct 16 20:38 13304 Oct 20 20:14 13304 Oct 21 22:03 13304 Oct 31 21:01 13304 Oct 31 10:56 13304 Nov 02 10:55 13304 Nov 08 22:59 13304 Nov 13 14:08 13304 Dec 02 07:33 13304 Dec 10 23:28 13304 Dec 19 22:11 13304 Dec 21 13:50  13304 Dec 28 10:47 13304 Dec 28 10:47 13304 Dec 28 10:47 13304 Dec 28 10:47 13305 Jan 02 20:50 13305 Jan 04 23:35 13305 Jan 12 19:06 13305 Feb 07 21:34 13305 Feb 13 02:06	21°M17'28 25°M55'33 26°M38'43 26°M27'41 22°M30'50 22°M45'44 21°M34'43 18°M26'06 17°M39'39 24°M18'00 0°ズ 12°ズ50'00 0°उ 3°उ30'06  18°उ23'09 18°उ27'45 23°उ49'11 0°≈ 4°≈19'07 19°≈09'24 0°升 25°升42'32 0°Υ	-4°24'58 4°21'17 0.54814 AU 23°58'43 1°36'26 1°37'25 1.32768 AU

	13305 Mar 01 08:05	30° <b>R</b> ₩		evening set	13306 Feb 11 03:09	13° <b>)</b> €36'04	
min. Earth dist.	13305 Mar 04 05:55	27° <b>)</b> 19'28	0.63981 AU	min. Earth dist.	13306 Feb 14 21:16	10° <b>¥</b> 39'47	0.61944 AU
inferior conj	13305 Mar 04 03:55	24° <del>X</del> 35'27		inferior conj	13306 Feb 17 21:26	7° <b>¥</b> 53'00	
minimum elong	13305 Mar 06 22:08	24° <b>X</b> 33'27		minimum elong	13306 Feb 18 01:25	7° <b>)</b> 43'47	
asc. node	13305 Mar 08 21:02	22°\(32'13	0 3021	asc. node	13306 Feb 23 18:29	3° <b>¥</b> 22'48	1 3237
morning rise	13305 Mar 13 11:58	19° <b>X</b> 15'08		morning rise	13306 Feb 25 10:29	2°\(\frac{1}{50}\)'00	
direct	13305 Mar 15 23:21	18° <b>)</b> (13'00		direct	13306 Feb 27 07:24	2° <b>¥</b> 28'26	
morning max el	13305 Mar 22 09:23	22° <b>)</b> 02'44	17°48'40	morning max el	13306 Mar 06 02:37	5° <b>X</b> 55'03	17°48'28
morning man vi	13305 Mar 28 14:56	0°Υ	1, 10.10	morning set	13306 Mar 21 21:15	0° <b>Υ</b> 20'15	17 1020
morning set	13305 Apr 08 03:50	17° <b>Ƴ</b> 18'54			13306 Mar 21 16:42	0° <b>Υ</b>	
desc. node	13305 Apr 10 21:13	21° <b>Y</b> 55'25		desc. node	13306 Mar 28 17:44	12° <b>Υ</b> 26'15	
	13305 Apr 15 17:03	0°8					
	1	_		superior conj	13306 Apr 02 04:20	20° <b>Y</b> °03′39	-0°34'17
superior conj	13305 Apr 21 06:01	9° <b>8</b> 04'11	-1°14'25	minimum elong	13306 Apr 02 01:03	19° <b>Ƴ</b> 49'48	0°34'01
minimum elong	13305 Apr 20 22:29	.T.	1°14'01		13306 Apr 08 03:58	0°8	
max. Earth dist.	13305 Apr 26 12:50	17° <b>8</b> 31'10	1.45041 AU	max. Earth dist.	13306 Apr 09 05:22	1° <b>8</b> 43'07	1.43673 AU
	13305 May 04 12:47	0° <b>Ⅱ</b>		evening rise	13306 Apr 16 12:30	13° <b>8</b> 17'25	
evening rise	13305 May 06 21:16	3° <b>∏</b> 36′53		Č	13306 Apr 27 13:39	0°II	
<i>8</i> 11	13305 May 24 15:30	0ಂತಾ		evening max el	13306 May 17 15:45	26° <b>Ⅲ</b> 30′25	21°28'46
evening max el	13305 Jun 03 18:22	12°5541'04	20°18'11	<i>3</i>	13306 May 21 18:30	0°95	
asc. node	13305 Jun 04 18:07	13°538'20		asc. node	13306 May 22 15:17	0°932'02	
retrograde	13305 Jun 11 15:16	17°512'00		retrograde	13306 May 26 13:48	1° <b>©</b> 43'18	
evening set	13305 Jun 15 15:30	15° <b>©</b> 39'48			13306 May 30 21:59	30°R∏	
inferior conj	13305 Jun 20 22:08	9° <b>©</b> 36'08	3°12'48	evening set	13306 May 31 00:37	29° <b>I</b> I54'38	
minimum elong	13305 Jun 20 22:07	9° <b>©</b> 36'15	3°11'46	inferior conj	13306 Jun 05 06:43	23° <b>Ⅱ</b> 39'49	3°06'41
min. Earth dist.	13305 Jun 21 17:10	8° <b>©</b> 31'09	0.68149 AU	minimum elong	13306 Jun 05 05:44	23° <b>II</b> 43'13	3°05'35
morning rise	13305 Jun 26 04:24	3°515'00		min. Earth dist.	13306 Jun 05 12:14	23° <b>II</b> 20'33	0.68768 AU
direct	13305 Jul 01 18:17	0°5947'16		morning rise	13306 Jun 10 10:39	17° <b>Ⅲ</b> 23'51	
desc. node	13305 Jul 07 21:37	3°505'29		direct	13306 Jun 15 11:53	15° <b>Ⅱ</b> 12'36	
morning max el	13305 Jul 13 02:25	7° <b>©</b> 34'55	24°21'06	desc. node	13306 Jun 24 18:44	20° <b>Ⅱ</b> 24'06	
. 8	13305 Jul 30 14:56	$0^{\circ}\Omega$		morning max el	13306 Jun 25 13:24	21° <b>I</b> I10'03	22°51'26
morning set	13305 Aug 17 16:11	28° <b>Ω</b> 46'16			13306 Jul 03 03:30	0ಂತಾ	
. 8	13305 Aug 18 09:08	0° <b>m</b> )			13306 Jul 23 20:38	$0^{\circ}\Omega$	
max. Earth dist.	13305 Aug 21 07:11	5° mp 10'19	1.37886 AU	morning set	13306 Jul 29 17:20	9° <b>Ω</b> 26'37	
				max. Earth dist.	13306 Aug 03 05:54	17° <b>Ω</b> 01'47	1.40241 AU
superior conj	13305 Aug 28 11:02	18° <b>m</b> 29'46	-0°30'33		13306 Aug 10 14:41	0° <b>m</b> )	
minimum elong	13305 Aug 28 13:08	18° <b>m</b> 39'49	0°30'28		· ·	•	
asc. node	13305 Aug 31 18:49	24° m 57'55		superior conj	13306 Aug 11 01:23	0° <b>m</b> 48'37	-1°05'30
	13305 Sep 03 07:52	0∘ <u>⊽</u>		minimum elong	13306 Aug 11 06:15	1° <b>m)</b> 10'44	1°05'20
evening rise	13305 Sep 06 03:16	5° <b>£</b> 35'13		asc. node	13306 Aug 18 15:25	14° <b>m</b> 58'08	
C	13305 Sep 20 06:38	o°M.		evening rise	13306 Aug 20 20:48	19° <b>m</b> 12'06	
evening max el	13305 Sep 22 17:15	2° <b>M</b> 44'47	19°10'41	Č	13306 Aug 26 15:38	0∘ <b>⊽</b>	
retrograde	13305 Oct 01 19:59	7° <b>M</b> 18'30		evening max el	13306 Sep 05 20:13	14° <b>≏</b> 57'31	18°28'17
evening set	13305 Oct 03 16:32	7° <b>M</b> 07'56		retrograde	13306 Sep 13 14:46	18° <b>≏</b> 53'09	
desc. node	13305 Oct 03 18:07	7° <b>M</b> 07'11		evening set	13306 Sep 15 15:05	18° <b>≏</b> 38'07	
inferior conj	13305 Oct 12 04:37	2°M56'10	-2°39'01	desc. node	13306 Sep 20 15:36	16° <b>≙</b> 09'17	
minimum elong	13305 Oct 11 21:48	3°M07'38	2°35'58	inferior conj	13306 Sep 23 09:22	14° <b>≏</b> 05'48	-0°51'54
min. Earth dist.	13305 Oct 14 22:06	1°M06'25	0.56000 AU	minimum elong	13306 Sep 23 07:21	14° <b>≏</b> 09'47	0°50'57
	13305 Oct 16 16:36	30° <b>₹</b> Ω		min. Earth dist.	13306 Sep 26 15:27	11° <b>≏</b> 32'56	0.57855 AU
morning rise	13305 Oct 20 00:25	28° <b>≏</b> 18'47		morning rise	13306 Sep 30 20:08	8° <b>≏</b> 50'42	
direct	13305 Oct 25 11:30	27° <b>≙</b> 10′02		direct	13306 Oct 06 22:48	7° <b>≏</b> 15'18	
	13305 Nov 03 03:26	$0^{\circ}$ M		morning max el	13306 Oct 21 06:17	14° <b>≏</b> 49'25	27°03'41
morning max el	13305 Nov 08 13:29	4° <b>ጤ</b> 19'33	25°42'34		13306 Nov 02 11:43	0° <b>M</b>	
_	13305 Nov 26 22:18	0° <b>∡</b> °		asc. node	13306 Nov 14 17:14	21°ML00'03	
asc. node	13305 Nov 27 20:24	1° <b>∡</b> ′41′08			13306 Nov 19 04:00	0° <b>∡</b> ¹	
morning set	13305 Dec 06 01:16	18° <b>∡</b> 10'37		morning set	13306 Nov 20 10:28	2° <b>∡</b> ′41′11	
	13305 Dec 11 10:30	0° <b>ろ</b>					
				superior conj	13306 Nov 27 07:19	17° <b>∡</b> °48′00	1°33'50
superior conj	13305 Dec 12 19:50	3° <b>⋜</b> 05'01	1°38'06	minimum elong	13306 Nov 27 06:05	17° <b>∡</b> ′41′04	1°34'44
minimum elong	13305 Dec 12 19:34	3° <b>ප</b> 03'35	1°39'08	max. Earth dist.	13306 Nov 27 10:40	18° <b>х</b> 06′44	1.31263 AU
max. Earth dist.	13305 Dec 14 02:38	5° <b>る</b> 55'22	1.31764 AU		13306 Dec 02 19:49	8°0	
evening rise	13305 Dec 19 22:03	18° <b>る</b> 25'22		evening rise	13306 Dec 04 02:41	2°₹45'40	
Č	13305 Dec 25 17:34	0° <b>≈</b>		desc. node	13306 Dec 17 12:53	28° <b>ප</b> 15'48	
desc. node	13305 Dec 30 15:57	8° <b>≈</b> 57'13			13306 Dec 18 14:27	0° <b>≈</b>	
	13306 Jan 13 16:02	0° <b>∀</b>		evening max el	13307 Jan 03 11:39	20° <b>≈</b> 34'01	26°57'03
evening max el	13306 Jan 21 07:31	8° <b>)</b> 31′26	27°30'03	retrograde	13307 Jan 17 10:33	27° <b>≈</b> 45'34	
retrograde	13306 Feb 04 05:10	15° <b>)</b> (51'46		evening set	13307 Jan 24 04:04	25° <b>≈</b> 49'52	
J				<i>S</i> =			

min. Earth dist.	13307 Jan 28 01:48	23° <b>≈</b> 10′19	0.59770 AU		13307 Dec 14 13:56	0° <b>≈</b>	
inferior conj	13307 Jan 31 06:20	20° <b>≈</b> 35'53		evening max el	13307 Dec 16 07:41	1° <b>≈</b> 43'51	25°50'19
minimum elong	13307 Jan 31 13:22		3°13'54	retrograde	13307 Dec 30 05:37	8° <b>≈</b> 45'55	
morning rise	13307 Feb 08 01:45	15° <b>≈</b> 53'24		evening set	13308 Jan 05 09:10	7° <b>≈</b> 17'37	
direct	13307 Feb 10 03:04	15° <b>≈</b> 37'27		min. Earth dist.	13308 Jan 09 20:26	4° <b>≈</b> 40'31	0.57667 AU
asc. node	13307 Feb 10 15:53	15° <b>≈</b> 38'34		inferior conj	13308 Jan 12 20:11	2° <b>≈</b> 34'50	
morning max el	13307 Feb 17 16:09	19° <b>≈</b> 22'36	18°07'11	minimum elong	13308 Jan 13 04:57	2° <b>≈</b> 19'26	4°34'05
	13307 Feb 25 10:59	0° <b>∀</b>			13308 Jan 16 19:18	30°Ŗる	
morning set	13307 Mar 05 06:49	14° <b>∺</b> 05'31		morning rise	13308 Jan 21 03:32	28° <b>る</b> 14'34	
	13307 Mar 13 21:37	$0^{\circ}$ $\Upsilon$		direct	13308 Jan 23 05:57	28° <b>る</b> 00'41	
				asc. node	13308 Jan 28 13:12	29° <b>る</b> 35'10	
superior conj	13307 Mar 15 02:13	2° <b>Y</b> 08′16	0°04'01		13308 Jan 29 04:49	0° <b>≈</b>	
minimum elong	13307 Mar 15 02:32	2° <b>Ƴ</b> 09'40	0°04'02	morning max el	13308 Jan 31 22:06	2° <b>≈</b> 14'40	18°46'30
behind sun begin	13307 Mar 14 19:03	1° <b>Y</b> 36'15		morning set	13308 Feb 17 03:35	28° <b>≈</b> 20′06	
behind sun end	13307 Mar 15 10:00	2° <b>Y</b> 43'00			13308 Feb 18 00:03	0° <b>∀</b>	
desc. node	13307 Mar 15 14:14	3° <b>Y</b> 01'49					
max. Earth dist.	13307 Mar 22 17:18	15° <b>Ƴ</b> 20′30	1.41788 AU	superior conj	13308 Feb 25 19:46	15° <b>)</b> €06'33	0°36'42
evening rise	13307 Mar 27 19:36	23° <b>Ƴ</b> 42'57		minimum elong	13308 Feb 25 22:02	15° <b>∺</b> 17'13	0°36'42
	13307 Mar 31 18:37	$8^{\circ}$ 0		desc. node	13308 Mar 01 10:47	23° <b>)</b> 38′41	
	13307 Apr 21 12:57	$\Pi^{\circ}0$		max. Earth dist.	13308 Mar 04 00:35	28° <b>升</b> 13'57	1.39599 AU
evening max el	13307 Apr 30 08:24	10° <b>Ⅱ</b> 19'59	22°47'25		13308 Mar 05 00:50	$0^{\circ}\mathbf{\Upsilon}$	
asc. node	13307 May 09 12:32	16° <b>Ⅱ</b> 12'57		evening rise	13308 Mar 07 23:44	5° <b>Ƴ</b> 04'01	
retrograde	13307 May 10 10:31	16° <b>Ⅱ</b> 16'49			13308 Mar 23 21:18	$9^{\circ}$ 8	
evening set	13307 May 15 08:32	14° <b>Ⅱ</b> 13′00		evening max el	13308 Apr 11 22:27	24° <b>8</b> 11'26	24°08'22
inferior conj	13307 May 20 16:18	7° <b>Ⅱ</b> 49'15	2°50'05		13308 Apr 19 16:34	$\Pi^{\circ}0$	
minimum elong	13307 May 20 14:35	7° <b>Ⅱ</b> 55'11	2°48'52	retrograde	13308 Apr 23 04:08	0° <b>Ⅱ</b> 47'17	
min. Earth dist.	13307 May 20 08:56	8° <b>Ⅱ</b> 14'52	0.68907 AU	asc. node	13308 Apr 25 09:50	0° <b>Ⅲ</b> 24'49	
morning rise	13307 May 25 20:33	1° <b>Ⅱ</b> 39'51			13308 Apr 26 09:22	30° <b>₹</b> 8	
	13307 May 28 21:15	30° <b>₹</b> 8		evening set	13308 Apr 28 13:44	28° <b>8</b> 30'37	
direct	13307 May 30 08:49	29° <b>8</b> 48'26		min. Earth dist.	13308 May 03 05:11	23° <b>8</b> 08'31	0.68579 AU
	13307 May 31 21:39	$\Pi^{\circ}0$		inferior conj	13308 May 04 01:02	22° <b>8</b> 01'14	2°23'21
morning max el	13307 Jun 08 04:13	4° <b>∏</b> 54'23	21°25'44	minimum elong	13308 May 03 22:56	22° <b>8</b> 08'23	2°22'06
desc. node	13307 Jun 11 15:44	8° <b>Ⅱ</b> 42'45		morning rise	13308 May 09 08:12	15° <b>8</b> 59'31	
	13307 Jun 27 06:20	0ංම		direct	13308 May 13 07:58	14° <b>8</b> 28'55	
morning set	13307 Jul 09 17:24	19° <b>5</b> 01'15		morning max el	13308 May 21 01:31	18° <b>8</b> 49'50	20°10'26
max. Earth dist.	13307 Jul 16 09:30	29°544'57	1.42426 AU	desc. node	13308 May 28 12:40	27° <b>8</b> 45'27	
	13307 Jul 16 13:10	$0^{\circ}\Omega$			13308 May 30 04:10	0°II	
				morning set	13308 Jun 17 22:04	27° <b>Ⅱ</b> 47'04	
superior conj	13307 Jul 23 19:43	12°Ω13'46	-1°38'25		13308 Jun 19 08:31	0ಂಣ	
minimum elong	13307 Jul 24 02:42	12°Ω43'53	1°38'27	max. Earth dist.	13308 Jun 27 19:24		1.44201 AU
	13307 Aug 02 20:14	0° m)					
evening rise	13307 Aug 04 01:53	2° m) 14'22		superior conj	13308 Jul 03 14:34	22° <b>©</b> 38'35	-2°03'28
asc. node	13307 Aug 05 12:05	4° <b>m</b> ) 49'19		minimum elong	13308 Jul 03 20:40	23° <b>©</b> 03'35	
evening max el	13307 Aug 20 06:41	27° Mp 47'04	18°06'34	g	13308 Jul 08 01:17	0°Ω	2 0.00
e venning man er	13307 Aug 23 00:13	0∘ <mark>ಹ</mark>	10 000.	evening rise	13308 Jul 16 13:36	14° <b>Ω</b> 29'21	
retrograde	13307 Aug 27 03:49	1° <b>≏</b> 18'07		asc. node	13308 Jul 22 08:47	24° <b>Ω</b> 26'27	
evening set	13307 Aug 29 11:20	0° <b>£</b> 54'35		use. noue	13308 Jul 25 17:22	0° m)	
	13307 Aug 31 10:45	30°R, Mp		evening max el	13308 Aug 02 20:38	11° <b>m</b> ) 02'45	18°04'09
inferior conj	13307 Sep 05 11:27	26° Mp 01'54	0°37'43	retrograde	13308 Aug 09 06:57	14° m) 23'23	
minimum elong	13307 Sep 05 12:38	25° m 59'12	0°37'07	evening set	13308 Aug 11 22:43	13° <b>m</b> ) 47'56	
desc. node	13307 Sep 07 13:04	24° m) 07'38		inferior conj	13308 Aug 18 07:24	8° m) 36'37	1°44'44
min. Earth dist.	13307 Sep 08 17:18	23° m/04'38	0.60069 AU	minimum elong	13308 Aug 18 09:50	8° mp 30'15	1°43'31
morning rise	13307 Sep 12 10:44	20° m/ 15'05	0.00009110	min. Earth dist.	13308 Aug 21 04:33	5° m/ 36'59	0.62350 AU
direct	13307 Sep 18 23:25	18° <b>m</b> ) 12'31		desc. node	13308 Aug 24 10:35	2° m/ 43'29	0.02300110
morning max el	13307 Oct 03 06:55	26° Mp 04'48	27°49'38	morning rise	13308 Aug 24 18:39	2° m) 28'38	
morning max or	13307 Oct 06 23:05	0ಂ <del>ರ</del>	27 1930	direct	13308 Aug 31 11:00	0° my 04'02	
	13307 Oct 00 23:03 13307 Oct 27 00:23	0° <b>m</b>		morning max el	13308 Sep 14 13:31	8° mg 05'21	27°56'32
asc. node	13307 Nov 01 13:58	10°MJ39'24		morning max or	13308 Sep 14 13:31 13308 Oct 01 10:00	0∘ <b>⊽</b>	2, 3032
morning set	13307 Nov 04 15:43	16°M57'40		asc. node	13308 Oct 01 10:00 13308 Oct 18 10:39	0°M32'15	
morning set	13307 Nov 04 15.45 13307 Nov 10 16:06	10 IIC3 / 40 0° ⊀		ase. Houc	13308 Oct 18 10.39 13308 Oct 18 04:18	0°M	
max. Earth dist.	13307 Nov 10 16:06 13307 Nov 10 18:48	0° <b>х</b> ¹ 14'58	1.31282 AU	morning set	13308 Oct 18 04.18 13308 Oct 18 14:51	0°M.53'40	
max. Darm UISt.	13307 NUV 10 10.40	U × 1430	1.51202 AU	max. Earth dist.	13308 Oct 18 14.31 13308 Oct 23 23:05	12°M09'17	1.31833 AU
superior coni	13307 Nov 11 18:37	2° <b>∡</b> ¹27'23	1023148	max. Earth UISt.	13300 001 23 23.03	14 116091/	1.31033 AU
superior conj minimum elong	13307 Nov 11 16:37 13307 Nov 11 16:39	2°×16'29	1°24'26	superior conj	13308 Oct 26 03:46	16°M56'45	1°08'05
evening rise	13307 Nov 11 16:39 13307 Nov 18 11:23	17° <b>х</b> ′ 16′29	1 44 40	minimum elong	13308 Oct 26 03:46 13308 Oct 26 01:30	16°M44'17	1°08'03
evening rise	13307 Nov 18 11:23 13307 Nov 24 16:10	0°52		minimum elong	13308 Oct 26 01:30 13308 Nov 01 02:16	16°11L44'17 0° <b>7</b>	1 00 24
desc. node	13307 Nov 24 16:10 13307 Dec 04 09:56	0°る 16°る54'16		evening rise	13308 Nov 01 02:16 13308 Nov 01 22:10	1° <b>x</b> <sup>7</sup> 47'43	
acsc. Hour	13307 DCC 04 09.30	10 054 10		evening rise	13300 NOV 01 22.10	1 8.4/43	

		_				_	
	13308 Nov 17 01:03	0° <b>る</b>			13309 Oct 24 02:41	0° <b>∡</b>	
desc. node	13308 Nov 20 07:06	4°₹36'35		desc. node	13309 Nov 07 04:21	21° <b>×</b> 02'22	
evening max el	13308 Nov 26 20:05	12° <b>ろ</b> 06'52	24°18'02	evening max el	13309 Nov 08 06:28	22° <b>₹</b> 08'22	22°35'52
retrograde	13308 Dec 10 12:13	18°る55'52		retrograde	13309 Nov 21 05:48	28° <b>∡</b> ³34'27	
evening set	13308 Dec 15 14:41	17°る58'43	0.55000 ATT	evening set	13309 Nov 24 23:19	28° 🗷 04'04	0.54702.411
min. Earth dist.	13308 Dec 21 07:36	15° <b>る</b> 06'04		min. Earth dist.	13309 Dec 02 14:26	24° <b>₹</b> 37'34	0.54792 AU
inferior conj	13308 Dec 23 13:15	13°る43'30 13°る34'00		inferior conj	13309 Dec 03 12:29	24° × 706'24	
minimum elong	13308 Dec 23 19:25 13309 Jan 01 02:07	9°る43'20	3-30.08	minimum elong morning rise	13309 Dec 03 10:36 13309 Dec 11 23:11	24° <b>₹</b> 09'03 20° <b>₹</b> 18'35	5°54'07
morning rise direct	13309 Jan 01 02:07	9° <b>る</b> 27'19		direct	13309 Dec 11 23:11 13309 Dec 15 04:09	19° <b>x</b> 16 33	
morning max el	13309 Jan 13 16:21	9 <b>3</b> 2/19	19°48'19	morning max el	13309 Dec 26 20:12	25° <b>₹</b> '29'28	21°12'59
asc. node	13309 Jan 14 10:29	15°る04'28	19 40 19	morning max ci	13309 Dec 30 21:58	0°る	21 12 39
asc. node	13309 Jan 24 16:38	0°≈		asc. node	13310 Jan 01 07:42	1°る50'36	
morning set	13309 Jan 31 07:50	0 <b>~</b> 12° <b>≈</b> 52'45		morning set	13310 Jan 15 16:44	27°る35'31	
morning set	1550) 3411 51 07.50	12 70 32 43		morning set	13310 Jan 16 20:23	0°≈	
superior conj	13309 Feb 08 04:18	28° <b>≈</b> 44'59	1°02'27		13310 3411 10 20.23	0 / • .	
minimum elong	13309 Feb 08 07:05	28°≈58'46	1°02'39	superior conj	13310 Jan 22 23:45	12° <b>≈</b> 52'21	1°21'00
	13309 Feb 08 19:29	0° <b>)</b> €		minimum elong	13310 Jan 23 02:07	13°≈04'38	1°21'33
max. Earth dist.	13309 Feb 14 06:43	10° <b>)</b> 29'17	1.37353 AU	max. Earth dist.	13310 Jan 27 16:47	22° <b>≈</b> 24'40	1.35284 AU
desc. node	13309 Feb 16 07:21	14° <b>)</b> 12′57		evening rise	13310 Jan 31 17:57	0° <b>¥</b> 12'41	
evening rise	13309 Feb 18 00:13	17° <b>)</b> 16′52		<b>3</b>	13310 Jan 31 15:14	0° <b>∀</b>	
C	13309 Feb 25 11:03	$0^{\circ}$ Y		desc. node	13310 Feb 03 03:57	4° <b>)</b> € 40'43	
	13309 Mar 18 06:24	0°B			13310 Feb 18 14:21	0° <b>Υ</b>	
evening max el	13309 Mar 25 12:00	8° <b>8</b> 04'16	25°24'48	evening max el	13310 Mar 08 01:48	21° <b>Y</b> ′52'31	26°29'16
retrograde	13309 Apr 06 17:30	15° <b>8</b> 08'36		retrograde	13310 Mar 21 01:29	29° <b>Y</b> 13'20	
asc. node	13309 Apr 12 07:12	12° <b>8</b> 57'33		evening set	13310 Mar 27 09:20	26° <b>Ƴ</b> 41'41	
evening set	13309 Apr 12 14:35	12° <b>8</b> 42'21		asc. node	13310 Mar 30 04:40	23° <b>Y</b> ′58'43	
min. Earth dist.	13309 Apr 16 22:48	7° <b>8</b> 55'56	0.67805 AU	min. Earth dist.	13310 Mar 31 11:34	22° <b>Y</b> ′30'03	0.66613 AU
inferior conj	13309 Apr 18 07:02	6° <b>8</b> 11'47	1°46'25	inferior conj	13310 Apr 02 08:09	20° <b>Y</b> 15'33	0°58'44
minimum elong	13309 Apr 18 04:58	6° <b>8</b> 18'29	1°45'14	minimum elong	13310 Apr 02 06:44	20° <b>Y</b> 19'52	0°57'57
morning rise	13309 Apr 23 19:45	0° <b>8</b> 19'08		morning rise	13310 Apr 08 05:06	14° <b>Y</b> 33'45	
	13309 Apr 24 08:03	30° <b>ŖƳ</b>		direct	13310 Apr 11 06:38	13° <b>Y</b> 41'06	
direct	13309 Apr 27 07:53	29° <b>Y</b> 08'34		morning max el	13310 Apr 17 17:58	17° <b>Y</b> ′07'24	18°24'49
	13309 Apr 30 11:04	$0$ $\circ$ 8			13310 Apr 27 13:00	$0^{\circ}S$	
morning max el	13309 May 04 06:24	2° <b>8</b> 55'45	19°09'32	desc. node	13310 May 02 06:13	7° <b>8</b> 18'18	
desc. node	13309 May 15 09:30	17° <b>8</b> 20'24		morning set	13310 May 08 00:54	16° <b>8</b> 26'17	
greatest brilliancy	13309 May 17 05:24	20° <b>8</b> 03'11	-0.7m		13310 May 16 15:13	$\Pi$ °0	
	13309 May 23 18:40	$0^{\circ}\Pi$				_	
morning set	13309 May 28 01:42	6° <b>Ⅲ</b> 36'24		superior conj	13310 May 23 19:22	11° <b>Ⅱ</b> 13'38	
max. Earth dist.	13309 Jun 10 11:20		1.45374 AU	minimum elong	13310 May 23 12:18	10° <b>Ⅱ</b> 46'01	
	13309 Jun 12 02:20	0ං <b>ව</b>		max. Earth dist.	13310 May 24 07:01		1.45832 AU
	12200 1 12 11 12	20500140	2012124		13310 Jun 04 19:34	0.00 0.00	
superior conj	13309 Jun 13 11:12	2°509'40		evening rise	13310 Jun 08 16:00	6°502'59	0.0
minimum elong evening rise	13309 Jun 13 11:27 13309 Jun 28 03:04	2°©10'37 25°©46'32	2-14-33	greatest brilliancy	13310 Jun 18 03:52 13310 Jun 24 05:34	20° <b>©</b> 55'17 0° <b>Ω</b>	-0.8m
evening rise	13309 Jun 30 16:51	23 <b>9</b> 40 32		asc. node	13310 Jun 24 03:34 13310 Jun 26 02:29	2° <b>Ω</b> 35'27	
asc. node	13309 Jul	13° <b>Ω</b> 44'22		evening max el	13310 Jun 30 21:58	8° <b>Ω</b> 19'13	18°53'14
evening max el	13309 Jul 17 10:43	24°Ω36'14	18°19'57	retrograde	13310 Jul 07 14:53	12°Ω00'03	10 33 14
retrograde	13309 Jul 23 19:52	28° <b>Ω</b> 00'14	10 1/3/	evening set	13310 Jul 11 00:04	10°Ω54'03	
evening set	13309 Jul 26 20:12	27°Ω10'17		inferior conj	13310 Jul 16 12:56	5°Ω10'51	2°58'15
inferior conj	13309 Aug 01 17:09	21° <b>Ω</b> 42'14	2°30'28	minimum elong	13310 Jul 16 14:31	5° <b>Ω</b> 05'49	
minimum elong	13309 Aug 01 19:31	21°Ω35'23		min. Earth dist.	13310 Jul 18 06:22	3°Ω00'16	
min. Earth dist.	13309 Aug 04 01:12		0.64459 AU		13310 Jul 20 21:20	30°Rூ	
morning rise	13309 Aug 07 17:26	15° <b>Ω</b> 22'44		morning rise	13310 Jul 22 04:14	28°9547'04	
desc. node	13309 Aug 11 08:04	13° <b>Ω</b> 16'30		direct	13310 Jul 28 11:04	26°506'44	
direct	13309 Aug 14 07:25	12° <b>Ω</b> 45′18		desc. node	13310 Jul 29 05:29	26°\$08'54	
morning max el	13309 Aug 27 23:35	20° <b>Ω</b> 44'04	27°27'24		13310 Aug 06 05:39	$0^{\circ}\Omega$	
	13309 Sep 04 23:37	0° <b>m</b> y		morning max el	13310 Aug 10 10:43	3° <b>Ω</b> 49′38	26°29'17
	13309 Sep 24 12:37	0∘ <b>⊽</b>			13310 Aug 30 08:28	0° <b>m</b>	
morning set	13309 Oct 02 05:25	14° <b>≙</b> 23'16		morning set	13310 Sep 15 08:14	27° <b>m</b> 18'44	
asc. node	13309 Oct 05 07:18	20° <b>≏</b> 33'51			13310 Sep 16 18:14	0∘ <b>ত</b>	
max. Earth dist.	13309 Oct 06 20:02	23° <b>≙</b> 43'11	1.32925 AU	max. Earth dist.	13310 Sep 19 07:20	4° <b>≙</b> 56'40	1.34531 AU
	13309 Oct 09 19:33	0°M₊		asc. node	13310 Sep 22 03:55	10° <b>≏</b> 39'47	
superior conj	13309 Oct 10 08:48	1°M10'49		superior conj	13310 Sep 24 07:16	15° <b>ჲ</b> 02'57	0°20'11
minimum elong	13309 Oct 10 06:46	0°M59'56	0°46'51	minimum elong	13310 Sep 24 06:11	14° <b>≏</b> 57'21	0°20'08
evening rise	13309 Oct 17 09:14	16° <b>M</b> ₁9'00			13310 Oct 01 10:18	0°M₊	

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	13312 Aug 14 17:23	0° <b>m</b>		superior conj minimum elong	13313 Aug 03 02:25 13313 Aug 03 08:22	23° <b>Ω</b> 07'58 23° <b>Ω</b> 34'25	
superior conj	13312 Aug 20 20:03	11° <b>m</b> ) 10'57	-0°45'20		13313 Aug 06 21:55	0° <b>m</b>	
minimum elong	13312 Aug 20 23:18	11° <b>m</b> )26'11	0°45'11	asc. node	13313 Aug 12 17:39	10° <b>m</b> 46'16	
asc. node	13312 Aug 25 21:03	20° <b>m</b> 49'48		evening rise	13313 Aug 13 11:42	12°Mp 10'31	
evening rise	13312 Aug 29 22:58	28° <b>m</b> 47'34			13313 Aug 23 13:10	0∘ <b>ত</b>	
	13312 Aug 30 13:49	0∘ <b>ত</b>		evening max el	13313 Aug 29 10:59	7° <b>≏</b> 42'13	18°16'42
evening max el	13312 Sep 15 04:14	25° <b>≙</b> 12'15	18°50'03	retrograde	13313 Sep 05 18:56	11° <b>≏</b> 25'13	
retrograde	13312 Sep 23 16:14	29° <b>≏</b> 28'17		evening set	13313 Sep 07 22:12	11° <b>≏</b> 06'58	
evening set	13312 Sep 25 13:32	29° <b>≏</b> 16'28		desc. node	13313 Sep 14 18:08	6° <b>≙</b> 56'15	
desc. node	13312 Sep 27 20:37	28° <b>≗</b> 32'37		inferior conj	13313 Sep 15 08:35	6° <b>≙</b> 26′03	-0°11'16
inferior conj	13312 Oct 03 18:30	24° <b>£</b> 56'36	-1°52'19	minimum elong	13313 Sep 15 08:10	6° <b>≙</b> 26'54	0°11'06
minimum elong	13312 Oct 03 13:47	25° <b>♀</b> 05'04	1°50'07	transit middle	13313 Sep 15 08:10	6° <b>≏</b> 26'54	0°11'06
min. Earth dist.	13312 Oct 06 19:16	22° <b>₽</b> 46'21	0.56722 AU	transit begin	13313 Sep 15 05:39	6° <b>₽</b> 32'12	
morning rise	13312 Oct 11 10:47	20° <b>₽</b> 02'40		transit end	13313 Sep 15 10:41	6° <b>₽</b> 21'36	
direct	13312 Oct 17 05:04	18° <b>≏</b> 42'44		min. Earth dist.	13313 Sep 18 16:02	3° <b>ჲ</b> 40'09	0.58776 AU
morning max el	13312 Oct 31 10:24	26° <b>♀</b> 04'25	26°20'38	morning rise	13313 Sep 22 14:41	0° <b>ჲ</b> 56'38	
C	13312 Nov 04 03:46	0°M		Č	13313 Sep 24 14:22	30°R, M)	
asc. node	13312 Nov 21 22:45	27°M11'37		direct	13313 Sep 28 22:40	29° m 09'04	
	13312 Nov 23 09:45	0° <b>⊼</b>			13313 Oct 03 09:56	0∘ <del>⊽</del>	
morning set	13312 Nov 29 02:41	11° <b>х</b> 43'19		morning max el	13313 Oct 13 06:19	6° <b>₽</b> 51'33	27°27'46
morning out	133121101 25 02.11	11 7 13 15			13313 Oct 30 14:58	0°M	27 27 10
superior conj	13312 Dec 05 21:46	26° <b>х</b> 41'36	1°37'01	asc. node	13313 Nov 08 19:33	16°M39'45	
minimum elong	13312 Dec 05 21:40	26° × 37'43	1°38'00	morning set	13313 Nov 13 10:26	26°ML08'06	
max. Earth dist.	13312 Dec 05 21:04	28° × 26'33	1.31488 AU	morning set	13313 Nov 15 05:41	20 11 <b>2</b> 00 00	
max. Lartii dist.	13312 Dec 07 09:28	0°る	1.51400 AU		13313 100 13 03.41	٠ <b>٪</b>	
evening rise	13312 Dec 07 09:28 13312 Dec 12 20:30	11°る50'22		superior conj	13313 Nov 20 09:25	11° <b>∡</b> '23'39	1°30'17
evening rise	13312 Dec 12 20.30 13312 Dec 22 03:33	0°≈		minimum elong		11 <b>x</b> ·23 39 11° <b>x</b> <sup>1</sup> 14'48	1°31'04
desc. node	13312 Dec 22 03.33 13312 Dec 24 18:14	0 ≈ 4°≈34'01		max. Earth dist.	13313 Nov 20 07:50 13313 Nov 20 01:05	10° <b>x</b> 14 48	1.3104 1.31212 AU
desc. node							1.31212 AU
	13313 Jan 12 08:05	0° <b>)</b> {	27020112	evening rise	13313 Nov 27 03:08	26°♂15'16 0°舌	
evening max el	13313 Jan 13 10:35	1° <b>)</b> (04'32	2/°20'13	1 1	13313 Nov 28 21:35		
retrograde	13313 Jan 27 09:29	8° <b>)</b> €22'03		desc. node	13313 Dec 11 15:13	23° <b>る</b> 36'53	
evening set	13313 Feb 03 06:21	6° <b>)</b> €13'54	0.61000 444		13313 Dec 15 20:10	0° <b>≈</b>	26022122
min. Earth dist.	13313 Feb 07 01:08	3° <b>¥</b> 25'55	0.61023 AU	evening max el	13313 Dec 26 11:45	12° <b>≈</b> 45'53	26°32'32
inferior conj	13313 Feb 10 03:58	0° <b>)</b> (42′12		retrograde	13314 Jan 09 10:45	19° <b>≈</b> 53'00	
minimum elong	13313 Feb 10 09:16	0° <b>)</b> (30′33	2°26'38	evening set	13314 Jan 15 23:23	18°≈08'39	
	13313 Feb 10 23:19	30°R <b>≈</b>		min. Earth dist.	13314 Jan 20 01:33	15° <b>≈</b> 31'48	0.58853 AU
morning rise	13313 Feb 17 15:14	25° <b>≈</b> 47'40		inferior conj	13314 Jan 23 05:12	13° <b>≈</b> 07'55	
asc. node	13313 Feb 17 21:01	25° <b>≈</b> 43'44		minimum elong	13314 Jan 23 13:18	12° <b>≈</b> 52′29	3°48'50
direct	13313 Feb 19 18:02	25° <b>≈</b> 29'04		morning rise	13314 Jan 31 06:11	8° <b>≈</b> 34'25	
morning max el	13313 Feb 26 19:59	29° <b>≈</b> 02'38	17°53'59	direct	13314 Feb 02 07:12	8° <b>≈</b> 19'46	
	13313 Feb 27 18:09	0° <b>∀</b>		asc. node	13314 Feb 04 18:24	8° <b>≈</b> 42'10	
morning set	13313 Mar 14 10:29	23° <b>∺</b> 26′35		morning max el	13314 Feb 10 06:45	12° <b>≈</b> 16′20	18°21'12
	13313 Mar 18 01:14	0° <b>Υ</b>			13314 Feb 22 02:30	0° <b>∀</b>	
desc. node	13313 Mar 22 19:53	8° <b>Y</b> 31'15		morning set	13314 Feb 26 01:26	7° <b>∺</b> 26′18	
		••					
superior conj	13313 Mar 25 01:22	12° <b>Y</b> 24'31		superior conj	13314 Mar 07 08:13	24° <b>¥</b> 53'30	
minimum elong	13313 Mar 24 23:48	12° <b>Y</b> 17'44		minimum elong	13314 Mar 07 09:33	24° <b>)</b> 59'39	0°18'39
max. Earth dist.	13313 Apr 01 11:15		1.42919 AU	desc. node	13314 Mar 09 16:24	29° <b>)</b> €07'44	
	13313 Apr 04 14:38	0°8			13314 Mar 10 04:06	0° <b>Υ</b>	
evening rise	13313 Apr 07 17:15	4° <b>8</b> 56'37		max. Earth dist.	13314 Mar 14 21:14	8° <b>Y</b> 13'56	1.40883 AU
	13313 Apr 24 10:35	$\Pi$ °0		evening rise	13314 Mar 19 09:13	15° <b>Y</b> 46′15	
evening max el	13313 May 09 23:53	19° <b>∏</b> 43'04	22°01'43		13314 Mar 28 09:05	0°B	
asc. node	13313 May 16 17:43	24° <b>∏</b> 42′08			13314 Apr 19 07:27	$\Pi$ °0	
retrograde	13313 May 19 09:56	25° <b>Ⅱ</b> 15'06		evening max el	13314 Apr 22 15:23	3° <b>Ⅱ</b> 34'10	23°22'03
evening set	13313 May 24 01:21	23° <b>Ⅱ</b> 20′02		retrograde	13314 May 03 05:21	9° <b>Ⅱ</b> 47'55	
inferior conj	13313 May 29 07:55	17° <b>Ⅱ</b> 01'10	3°00'54	asc. node	13314 May 03 15:00	9° <b>Ⅱ</b> 47'11	
minimum elong	13313 May 29 06:35	17° <b>∏</b> 05'47	2°59'46	evening set	13314 May 08 08:18	7° <b>Ⅲ</b> 38'28	
min. Earth dist.	13313 May 29 07:59	17° <b>Ⅱ</b> 00′55	0.68877 AU	min. Earth dist.	13314 May 13 04:43	1° <b>Ⅱ</b> 55'43	0.68825 AU
morning rise	13313 Jun 03 11:38	10° <b>Ⅱ</b> 47′38		inferior conj	13314 May 13 17:22	1° <b>Ⅱ</b> 12'08	2°39'59
direct	13313 Jun 08 07:22	8° <b>Ⅱ</b> 44'18		minimum elong	13314 May 13 15:27	1° <b>Ⅱ</b> 18'46	2°38'45
morning max el	13313 Jun 17 19:47	14° <b>Ⅱ</b> 19'53	22°14'04		13314 May 14 14:26	30° <b>₹</b> 8	
desc. node	13313 Jun 18 21:07	15° <b>Ⅱ</b> 25'19		morning rise	13314 May 18 22:32	25° <b>8</b> 05'53	
	13313 Jun 30 11:13	$0$ $\circ$ $\odot$		direct	13314 May 23 05:32	23° <b>8</b> 23'05	
	13313 Jul 20 09:53	$0$ ° $\Omega$		morning max el	13314 May 31 12:59	28° <b>8</b> 08'16	20°52'09
morning set	13313 Jul 21 00:43	0° <b>Ω</b> 59'45			13314 Jun 02 07:33	$\Pi^{\circ}0$	
max. Earth dist.	13313 Jul 26 06:58	9° <b>Ω</b> 38'59	1.41201 AU	desc. node	13314 Jun 05 18:05	4° <b>Ⅱ</b> 04'13	

	13314 Jun 24 00:21	0°©			13315 May 28 05:40	0°Щ	
morning set	13314 Jun 30 15:01	10° <b>©</b> 08'48		morning set	13315 Jun 09 16:29	18° <b>Ⅱ</b> 48'07	
max. Earth dist.	13314 Jul 08 13:33	22° <b>5</b> 44'52	1.43249 AU		13315 Jun 16 21:59	0ංම	
	13314 Jul 12 23:45	$0^{\circ}\Omega$		max. Earth dist.	13315 Jun 21 02:43	6°535'59	1.44785 AU
superior conj	13314 Jul 15 11:02	4° <b>Ω</b> 07'44		superior conj	13315 Jun 25 19:46	14°906'55	
minimum elong	13314 Jul 15 18:11	4° <b>Ω</b> 37'52	1°50'39	minimum elong	13315 Jun 25 23:59	14°923'51	2°10'50
evening rise	13314 Jul 27 10:00	24° <b>Ω</b> 53'45		ovenina riae	13315 Jul 05 12:17	0° <b>Ω</b> 6° <b>Ω</b> 45'00	
asc. node	13314 Jul 30 07:07 13314 Jul 30 14:18	0° <b>т</b> ) 0° <b>т</b> )31'45		evening rise asc. node	13315 Jul 09 12:47 13315 Jul 17 11:03	20°Ω01'11	
evening max el	13314 Aug 12 23:26	20° Mp 43'44	18°03'15	asc. node	13315 Jul 17 11:03	0° Mp	
retrograde	13314 Aug 19 14:32	24° m) 08'27	10 03 13	evening max el	13315 Jul 27 13:44	4° Mp 07'13	18°08'40
evening set	13314 Aug 22 01:38	23° m/40'03		retrograde	13315 Aug 02 22:29	7° My 27'53	10 00 40
inferior conj	13314 Aug 28 18:43	18° mp 38'55	1°08'54	evening set	13315 Aug 05 17:50	6° Mp 46'30	
minimum elong	13314 Aug 28 20:39	18° <b>m</b> ) 34'14	1°07'56	inferior conj	13315 Aug 11 21:02	1° m) 27'34	2°06'34
min. Earth dist.	13314 Aug 31 21:32	15° <b>m</b> ) 38'21	0.61052 AU	minimum elong	13315 Aug 11 23:33	1° <b>m</b> ) 20'38	2°05'17
desc. node	13314 Sep 01 15:38	14° <b>m</b> 57'21			13315 Aug 13 04:46	30°R <b>Ω</b>	
morning rise	13314 Sep 04 12:53	12° <b>m</b> 42'03		min. Earth dist.	13315 Aug 14 12:48	28° <b>£</b> 33′21	0.63273 AU
direct	13314 Sep 11 03:57	10° <b>m</b> 29'28		morning rise	13315 Aug 18 03:23	25° <b>Ω</b> 13'27	
morning max el	13314 Sep 25 09:40	18° <b>m</b> 25'44	27°57'18	desc. node	13315 Aug 19 13:08	24° <b>Ω</b> 16′00	
	13314 Oct 05 03:31	0∘ <b>⊽</b>		direct	13315 Aug 24 19:13	22° <b>Ω</b> 42'30	
	13314 Oct 23 10:07	$0^{\circ}$ M			13315 Sep 07 00:19	0° <b>™</b>	
asc. node	13314 Oct 26 16:16	6°M25′09		morning max el	13315 Sep 07 18:18	0° <b>m</b> /44'16	27°48'23
morning set	13314 Oct 28 13:22	10°M16'09			13315 Sep 29 06:29	0∘ <b>亚</b>	
max. Earth dist.	13314 Nov 03 08:14	22°M41'09	1.31458 AU	morning set	13315 Oct 12 09:16	24° <b>Ω</b> 02'06	
	1221431 04 20 02	250 <b>M</b> 50105	1017140	asc. node	13315 Oct 13 12:56	26° <b>Ω</b> 22'18	
superior conj	13314 Nov 04 20:03	25°M59'05 25°M47'11	1°17'49	max. Earth dist.	13315 Oct 15 07:07 13315 Oct 17 10:05	0° <b>I</b> L 4°IL28'46	1.32230 AU
minimum elong	13314 Nov 04 17:54 13314 Nov 06 15:25	23 1164/11 0° <b>x</b> <sup>7</sup>	1 1819	max. Earm dist.	13313 Oct 1/ 10.03	4 1162840	1.32230 AU
evening rise	13314 Nov 11 13:00	0 <b>≯</b> 10° <b>≯</b> 46'40		superior conj	13315 Oct 20 03:44	10°M22'43	0°59'43
e vennig rise	13314 Nov 21 04:33	0°중		minimum elong	13315 Oct 20 01:29	10°ML10'29	0°59'56
desc. node	13314 Nov 28 12:19	11° <b>る</b> 53'26		evening rise	13315 Oct 27 00:10	25°M19'35	0 0 0 0 0 0
evening max el	13314 Dec 08 04:25	23° <b>る</b> 34'22	25°13'22	C	13315 Oct 29 05:00	0° <b>∡</b> ¹	
-	13314 Dec 18 08:52	0° <b>≈</b>		desc. node	13315 Nov 15 09:32	29° <b>х</b> 06′29	
retrograde	13314 Dec 22 00:15	0° <b>≈</b> 30'43			13315 Nov 16 03:21	ರ∘ರ	
	13314 Dec 25 15:57	30°Ŗる		evening max el	13315 Nov 19 14:46	3°₹43'45	23°34'40
evening set	13314 Dec 27 18:44	29° <b>る</b> 15'32		retrograde	13315 Dec 03 01:19	10° <b>පි</b> 25'15	
min. Earth dist.	13315 Jan 01 16:27	26° <b>る</b> 34'23	0.56864 AU	evening set	13315 Dec 07 14:30	9° <b>ප</b> 40'13	
inferior conj	13315 Jan 04 10:16	24° <b>ろ</b> 45'49		min. Earth dist.	13315 Dec 14 01:08		0.55340 AU
minimum elong	13315 Jan 04 18:39	24° <b>පි</b> 31'58	5°04'00	inferior conj	13315 Dec 15 19:04	5° <b>る</b> 33'45	
morning rise	13315 Jan 12 20:56	20°る34'32		minimum elong	13315 Dec 15 22:19	5° <b>る</b> 28'57	5°50'42
direct	13315 Jan 15 02:14	20° <b>る</b> 20'11		morning rise	13315 Dec 24 07:54	1°る40'44	
asc. node morning max el	13315 Jan 22 15:45 13315 Jan 24 08:08	23°る19'45 24°る49'01	19°09'58	direct morning max el	13315 Dec 27 01:43 13316 Jan 06 20:33	1°る22'20 6°る31'30	20°21'40
morning max er	13315 Jan 28 17:18	0°≈	19 09 38	asc. node	13316 Jan 09 13:01	9° <b>る</b> 24'10	20 21 40
morning set	13315 Feb 10 01:49	0 <b>∞</b> 21° <b>≈</b> 50'01		asc. node	13316 Jan 22 03:31	0°≈	
morning set	13315 Feb 14 04:27	0° <b>\</b>		morning set	13316 Jan 25 08:23	6°≈28'07	
		* /\					
superior conj	13315 Feb 18 08:44	8° <b>¥</b> 10′29	0°48'30	superior conj	13316 Feb 01 22:25	22° <b>≈</b> 03'01	1°11'09
minimum elong	13315 Feb 18 11:21	8° <b>¥</b> 23′08	0°48'34	minimum elong	13316 Feb 02 01:07	22° <b>≈</b> 16'37	1°11'31
desc. node	13315 Feb 24 12:57	19° <b>) (</b> 43′41			13316 Feb 05 22:39	0° <b>∀</b>	
max. Earth dist.	13315 Feb 25 04:05	20° <b>¥</b> 52'05	1.38639 AU	max. Earth dist.	13316 Feb 07 11:16	2° <b>¥</b> 56′18	1.36440 AU
evening rise	13315 Feb 28 22:20	27° <b>¥</b> 30′08		evening rise	13316 Feb 11 06:36	10° <b>米</b> 02′21	
	13315 Mar 02 09:17	0° <b>Υ</b>		desc. node	13316 Feb 11 09:32	10° <b>)</b> 15′40	
	13315 Mar 21 21:01	0°8	24044440		13316 Feb 23 01:03	0° <b>Υ</b>	
evening max el	13315 Apr 05 05:03	_	24°41'48	avanina ma1	13316 Mar 16 11:45	0° <b>8</b>	25052150
retrograde	13315 Apr 16 21:09	24° <b>8</b> 15'15		evening max el	13316 Mar 17 18:28	1° <b>8</b> 17'14	25-55-58
asc. node evening set	13315 Apr 20 12:21 13315 Apr 22 11:50	23° <b>8</b> 17'16 21° <b>8</b> 53'52		retrograde evening set	13316 Mar 30 08:25 13316 Apr 05 10:20	8° <b>8</b> 30'29 6° <b>8</b> 01'00	
min. Earth dist.	13315 Apr 22 11:50 13315 Apr 26 24:00	16° <b>8</b> 47'18	0.68310 AU	asc. node	13316 Apr 05 10:20 13316 Apr 06 09:47	5° <b>8</b> 08'24	
inferior conj	13315 Apr 28 01:11	15° <b>8</b> 23'34	2°08'57	min. Earth dist.	13316 Apr 00 09:47	1° <b>8</b> 29'45	0.67352 AU
minimum elong	13315 Apr 27 23:01	15° <b>8</b> 30'45	2°07'42	Darur diot.	13316 Apr 10 20:18	30°RΥ	3.0,33 <u>2</u> 110
morning rise	13315 May 03 10:25	9° <b>8</b> 25'46	· · <u>-</u>	inferior conj	13316 Apr 11 05:21	29° <b>Υ</b> 31'26	1°27'32
direct	13315 May 07 05:09	8° <b>8</b> 03'53		minimum elong	13316 Apr 11 03:28	29° <b>Y</b> '37'22	1°26'28
morning max el	13315 May 14 13:34	12° <b>8</b> 08'28	19°42'39	morning rise	13316 Apr 16 21:17	23° <b>Y</b> '43'24	
desc. node	13315 May 23 14:59	23° <b>8</b> 21'28		direct	13316 Apr 20 04:41	22° <b>Y</b> '40'58	
greatest brilliancy	13315 May 27 08:04	28° <b>8</b> 40'48	-0.6m	morning max el	13316 Apr 26 21:35	26° <b>Ƴ</b> 17'45	18°48'26

	13316 Apr 30 05:12	0° <b>8</b>		desc. node	13317 Apr 26 08:26	3° <b>8</b> 12'25	
desc. node	13316 May 09 11:46	13° <b>8</b> 06'46		morning set	13317 Apr 29 13:19	8° <b>8</b> 21'45	
greatest brilliancy	13316 May 10 22:31	15° <b>8</b> 19'10	-0.8m		13317 May 13 03:36	$\Pi$ $^{\circ}$ 0	
morning set	13316 May 19 02:19	27° <b>8</b> 57'07					
P 4 P	13316 May 20 09:53	0°II	1 45650 477	superior conj	13317 May 14 17:22	2° <b>I</b> I28'08	
max. Earth dist.	13316 Jun 02 20:17	20° <b>Ⅱ</b> 56′20	1.45658 AU	minimum elong	13317 May 14 08:37	1° <b>Ⅱ</b> 53'50	
	122161 04 00 14	220Ж20155	2011155	max. Earth dist.	13317 May 16 16:02		1.45794 AU
superior conj	13316 Jun 04 09:14	23° <b>II</b> 20'55		evening rise	13317 May 30 19:09	27° <b>Ⅱ</b> 29'27	
minimum elong	13316 Jun 04 06:05	23° <b>Ⅱ</b> 08'36	2°12'51	4 41 711	13317 Jun 01 09:57	0°95	0.7
avanina rica	13316 Jun 08 14:49 13316 Jun 19 15:45	0° <b>©</b> 17° <b>©</b> 35'19		greatest brilliancy asc. node	13317 Jun 11 11:14 13317 Jun 20 04:49	15°9527'49 27°9545'41	-0.7m
evening rise	13316 Jun 27 09:18	0°Ω		asc. node	13317 Jun 20 04.49	27 9943 41 0°Ω	
asc. node	13316 Jul 27 09:18	9° <b>Ω</b> 08'19		evening max el	13317 Jun 22 02:10 13317 Jun 23 12:12	1° <b>Ω</b> 30'13	19°12'30
evening max el	13316 Jul 10 02:49	$17^{\circ}\Omega44'37$	18°32'02	retrograde	13317 Jun 23 12:12 13317 Jun 30 11:02	5°Ω22'04	19 12 30
retrograde	13316 Jul 16 14:25	21°Ω14'36	18 32 02	evening set	13317 Jul	4°Ω09'11	
evening set	13316 Jul 19 18:21	20°Ω18'07		evening set	13317 Jul 04 00:03	30°RS	
inferior conj	13316 Jul 25 11:27	14° <b>Ω</b> 43'27	2°44'16	inferior conj	13317 Jul 09 10:31	28°520'16	3°05'21
minimum elong	13316 Jul 25 13:32	14°Ω37'08	2°43'04	minimum elong	13317 Jul 09 11:42	28° <b>©</b> 16'29	3°04'16
min. Earth dist.	13316 Jul 27 13:23	12°Ω12'57	0.65253 AU	min. Earth dist.	13317 Jul 10 21:52	26°\$25'46	0.66860 AU
morning rise	13316 Jul 31 07:35	8°Ω21'05	0.03233710	morning rise	13317 Jul 14 22:44	21°956'12	0.00000710
desc. node	13316 Aug 05 10:36	5° <b>Ω</b> 47'37		direct	13317 Jul 21 01:35	19°9517'06	
direct	13316 Aug 06 18:54	5° <b>Ω</b> 41'05		desc. node	13317 Jul 23 07:58	19° <b>©</b> 36'00	
morning max el	13316 Aug 20 05:12	13° <b>Ω</b> 35'53	27°05'47	morning max el	13317 Aug 02 16:06	26°9549'13	25°57'51
	13316 Sep 02 11:40	0° m)			13317 Aug 05 15:08	0°N	
	13316 Sep 20 22:16	0∘ <u>v</u>			13317 Aug 27 02:26	0° m)	
morning set	13316 Sep 24 19:14	7° <b>≏</b> 17'58		morning set	13317 Sep 07 15:52	19° <b>m</b> ) 55'57	
max. Earth dist.	13316 Sep 29 02:58	15° <b>≏</b> 52'25	1.33538 AU	max. Earth dist.	13317 Sep 11 09:37	26° m 58'13	1.35353 AU
asc. node	13316 Sep 29 09:32	16° <b>≏</b> 25'49			13317 Sep 12 23:08	0∘ <u>⊽</u>	
	•			asc. node	13317 Sep 16 06:06	6° <b>₽</b> 32'18	
superior conj	13316 Oct 03 06:15	24° <b>≙</b> 27'40	0°36'07				
minimum elong	13316 Oct 03 04:31	24° <b>≏</b> 18'33	0°36'07	superior conj	13317 Sep 17 01:02	8° <b>亚</b> 08'09	0°07'27
	13316 Oct 05 20:42	$0^{\circ}$ M		minimum elong	13317 Sep 17 00:37	8° <b>≏</b> 05'57	0°07'25
evening rise	13316 Oct 10 10:43	9° <b>™</b> 47'57		behind sun begin	13317 Sep 16 19:10	7° <b>≏</b> 38'20	
	13316 Oct 20 20:42	0° <b>∡</b> 7		behind sun end	13317 Sep 17 06:03	8° <b>॒</b> 33'38	
evening max el	13316 Oct 31 02:59	13° <b>х</b> 46′39	21°53'56	evening rise	13317 Sep 24 18:41	24° <b>≙</b> 07'19	
desc. node	13316 Nov 01 06:51	14° <b>∡</b> °52′00			13317 Sep 27 15:49	$0^{\circ}$ M	
retrograde	13316 Nov 12 15:22	19° <b>₹</b> 59'10		evening max el	13317 Oct 13 02:09	24°M19'17	20°26'06
evening set	13316 Nov 15 18:44	19° <b>∡</b> ³37′06		desc. node	13317 Oct 19 04:12	28°M42'46	
inferior conj	13316 Nov 24 13:20	15° <b>∡</b> ⁴42'32		retrograde	13317 Oct 24 02:21	29°M47'31	
minimum elong	13316 Nov 24 07:44	15° <b>∡</b> 50′24	5°43'11	evening set	13317 Oct 26 06:20	29°M35'46	
min. Earth dist.	13316 Nov 24 07:30	15° <b>∡</b> 50'43	0.54562 AU	inferior conj	13317 Nov 04 05:49	25° <b>M</b> 40′13	
morning rise	13316 Dec 02 21:45	11° <b>∡</b> ′55′08		minimum elong	13317 Nov 03 19:43	25°M54'55	4°35'20
direct	13316 Dec 06 11:31	11° <b>₹</b> 27'02		min. Earth dist.	13317 Nov 05 14:34	24°M52'27	0.54714 AU
morning max el	13316 Dec 18 18:38	17° <b>∡</b> 20′05	21°55'05	morning rise	13317 Nov 12 08:36	21°M39'23	
asc. node	13316 Dec 26 10:11	26° <b>∡</b> ³37′29		direct	13317 Nov 16 20:42	20°M55'40	
	13316 Dec 28 14:38	0°る		morning max el	13317 Nov 30 06:22	27°M28'22	23°42'30
morning set	13317 Jan 08 18:33	21° <b>る</b> 12'49		,	13317 Dec 02 17:50	0° <b>√</b> ¹	
	13317 Jan 12 21:49	0° <b>≈</b>		asc. node	13317 Dec 13 07:15	14° <b>∡</b> °43'45	
	12217 I 15 21.20	(00.010150	1927/144		13317 Dec 21 10:01	0°る 5°る58'26	
superior conj	13317 Jan 15 21:30	6°≈19'50	1°26'44	morning set	13317 Dec 24 06:19	3.038.20	
minimum elong max. Earth dist.	13317 Jan 15 23:32 13317 Jan 19 23:44	6°≈30'29 14°≈47'01	1°27'27 1.34499 AU	superior conj	13317 Dec 31 02:59	20° <b>ට</b> 52'17	1035120
evening rise	13317 Jan 19 23.44 13317 Jan 24 06:34	14 ≈4701 23°≈13'37	1.34499 AU	minimum elong	13317 Dec 31 02:39 13317 Dec 31 04:00	20 <b>3</b> 5217 20° <b>る</b> 57'46	1°36'35
evening rise	13317 Jan 27 21:31	25 <b>≈</b> 15 57		max. Earth dist.	13317 Dec 31 04:00 13318 Jan 02 20:06		1.32956 AU
desc. node	13317 Jan 28 06:10	0° <b>X</b> 39'17		max. Earth dist.	13318 Jan 04 09:41	20° <b>≈</b>	1.32930 AU
desc. node	13317 Feb 15 17:05	0 <b>γ</b> (3917		evening rise	13318 Jan 07 18:45	0 <b>∞</b> 6° <b>≈</b> 54'54	
evening max el	13317 Feb 28 08:11	15° <b>Υ</b> '00'28	26°51'13	desc. node	13318 Jan 15 02:51	20° <b>≈</b> 49'41	
retrograde	13317 Mar 13 14:11	22° <b>Υ</b> 25'50	20 31 13	dese. Hode	13318 Jan 20 11:18	0° <b>∀</b>	
evening set	13317 Mar 20 01:55	19° <b>Υ</b> 53'28		evening max el	13318 Feb 10 21:18	28° <b>∺</b> 25'42	27°26'06
min. Earth dist.	13317 Mar 24 01:53	15° <b>Υ</b> 55'59	0.65985 AU	Croning max ci	13318 Feb 10 21:18	26 γ(25 42 0° <b>γ</b>	2, 2000
asc. node	13317 Mar 24 07:14	15° <b>Υ</b> 40'38	3.02702710	retrograde	13318 Feb 24 13:18	5° <b>Υ</b> ′52'27	
inferior conj	13317 Mar 26 03:42	13° <b>Υ</b> 30'47	0°35'10	evening set	13318 Mar 03 08:20	3° <b>Υ</b> 23'33	
minimum elong	13317 Mar 26 02:47	13° <b>Υ</b> 33'28	0°34'40	min. Earth dist.	13318 Mar 07 04:15	29° <b>)</b> 57'23	0.64263 AU
morning rise	13317 Apr 01 04:58	7° <b>Υ</b> ′54'12	<del>-</del>		13318 Mar 07 03:14	30°R <b></b> ₩	=== 110
direct	13317 Apr 04 02:13	7° <b>Υ</b> ′08'28		inferior conj	13318 Mar 09 17:38	27° <b>)</b> 15′01	-0°28'28
morning max el	13317 Apr 10 11:25	10° <b>Y</b> '30'03	18°10'48	minimum elong	13318 Mar 09 18:30	27° <b>)</b> 12'43	
<b>5</b>	13317 Apr 24 08:26	0°8		asc. node	13318 Mar 11 04:43	25° <b>)</b> 43'48	
	1	-					

morning rise	13318 Mar 16 06:43	21° <b>)</b> 52′21		direct	13319 Mar 02 04:46	5° <b>)</b> €08'06	
direct	13318 Mar 18 19:19	21° <b>¥</b> 19′55		morning max el	13319 Mar 08 22:02	8° <b>¥</b> 32'39	17°47'22
morning max el	13318 Mar 25 04:33	24° <b>)</b> ₹37'40	17°50'15		13319 Mar 23 01:55	$0^{\circ}$ Y	
	13318 Mar 29 15:40	0° <b>Υ</b>		morning set	13319 Mar 24 18:55	3° <b>Y</b> ′00′59	
morning set	13318 Apr 11 04:27	20° <b>Y</b> 08'09		desc. node	13319 Mar 31 01:33	14° <b>Ƴ</b> 01'47	
desc. node	13318 Apr 13 05:01	23° <b>Ƴ</b> 32'11			12210 4 05 00.01	220001122	0940122
	13318 Apr 17 01:59	0°8		superior conj	13319 Apr 05 08:01	23° <b>Y</b> '01'22 22° <b>Y</b> '44'54	-0°40'22 0°40'05
superior conj	13318 Apr 24 13:22	12° <b>8</b> 12'17	-1°20'16	minimum elong	13319 Apr 05 04:06 13319 Apr 09 13:00	0° <b>8</b>	0 40 03
minimum elong	13318 Apr 24 05:19	11° <b>8</b> 39'57		max. Earth dist.	13319 Apr 12 04:49	4° <b>8</b> 19'09	1.43915 AU
max. Earth dist.	13318 Apr 29 11:38			evening rise	13319 Apr 19 21:35	16° <b>8</b> 28'41	1.10710110
	13318 May 05 20:24	0° <b>Ⅱ</b>		C	13319 Apr 28 19:28	0°II	
evening rise	13318 May 10 07:52	6° <b>∏</b> 53'32		evening max el	13319 May 20 14:18	29° <b>Ⅱ</b> 06'49	21°17'36
greatest brilliancy	13318 May 25 06:01	29° <b>Ⅱ</b> 15'36	-0.6m		13319 May 21 12:08	$0$ $\circ$ $\odot$	
	13318 May 25 18:18	$0$ $\circ$ $\odot$		asc. node	13319 May 24 22:58	2° <b>5</b> 644'51	
evening max el	13318 Jun 06 16:11	15° <b>©</b> 18'20	20°08'36	retrograde	13319 May 29 08:22	4° <b>©</b> 13'19	
asc. node	13318 Jun 07 01:51	15° <b>©</b> 42'11		evening set	13319 Jun 02 17:34	2° <b>©</b> 26'58	
retrograde	13318 Jun 14 09:40	19°5543'24			13319 Jun 05 03:13	30°RⅡ	
evening set	13318 Jun 18 08:26	18°9513'35	2012142	inferior conj	13319 Jun 07 23:34	26° <b>Ⅱ</b> 13'33	3°08'17
inferior conj minimum elong	13318 Jun 23 15:21 13318 Jun 23 15:29	12°©11'40 12°©11'14	3°12'42 3°11'40	minimum elong min. Earth dist.	13319 Jun 07 22:44 13319 Jun 08 07:02	26° <b>Ⅱ</b> 16'29 25° <b>Ⅱ</b> 47'34	3°07'13 0.68705 AU
min. Earth dist.	13318 Jun 24 12:24	12 9 11 14 11° 9 00'06	0.68020 AU	morning rise	13319 Jun 13 03:42	23 <b>П</b> 4/34 19° <b>П</b> 56'40	0.08703 AU
morning rise	13318 Jun 28 22:12	5°950'00	0.08020 AU	direct	13319 Jun 18 06:47	19 <b>Ⅲ</b> 3040 17° <b>Ⅲ</b> 42'49	
direct	13318 Jul 04 13:52	3° <b>9</b> 20'24		desc. node	13319 Jun 27 02:26	22° <b>I</b> I24'31	
desc. node	13318 Jul 10 05:15	5° <b>©</b> 17'15		morning max el	13319 Jun 28 13:04		23°04'43
morning max el	13318 Jul 16 02:17	10°9514'31	24°34'17	3	13319 Jul 04 00:57	0°©	
C	13318 Jul 31 18:40	$0^{\circ}\Omega$			13319 Jul 25 03:55	$0^{\circ}\Omega$	
	13318 Aug 19 18:39	0° m		morning set	13319 Aug 01 23:44	12° <b>Ω</b> 35′23	
morning set	13318 Aug 20 18:54	1° <b>m</b> 45'28		max. Earth dist.	13319 Aug 06 07:25	19° <b>Ω</b> 53'17	1.39891 AU
max. Earth dist.	13318 Aug 24 09:04	8° Mp 08'57	1.37545 AU		13319 Aug 12 01:07	0° <b>™</b>	
superior conj	13318 Aug 31 08:53	21° mp 16'01		superior conj	13319 Aug 14 01:48	3° m/41'40	
minimum elong	13318 Aug 31 10:35	21° m/24'16	0°25'16	minimum elong	13319 Aug 14 06:15		1°00'04
asc. node	13318 Sep 03 02:40	26° № 37'53 0° <u>Ω</u>		asc. node	13319 Aug 20 23:14	16° Mp 38'51	
evening rise	13318 Sep 04 19:24 13318 Sep 08 21:41	0° <b>1</b> 1'28		evening rise	13319 Aug 23 16:43 13319 Aug 27 23:42	21° M 52'30 0° <u>₽</u>	
evening rise	13318 Sep 08 21:41 13318 Sep 21 00:45	0°M		evening max el	13319 Aug 27 23:42 13319 Sep 08 17:00	0 <b>=</b> 17° <b>£</b> 45'46	18°33'16
evening max el	13318 Sep 25 15:30	5°M-39'10	19°18'44	retrograde	13319 Sep 16 15:49	21° <b>≏</b> 46'26	10 33 10
retrograde	13318 Oct 04 23:48	10°M19'45	1, 10 11	evening set	13319 Sep 18 15:10	21° <b>≏</b> 32'24	
desc. node	13318 Oct 06 01:38	10°M16'16		desc. node	13319 Sep 22 23:08	19° <b>≏</b> 35'44	
evening set	13318 Oct 06 20:23	10°M09'28		inferior conj	13319 Sep 26 12:15	17° <b>≙</b> 03'17	-1°07'20
inferior conj	13318 Oct 15 10:41	6°M00'14	-2°55'44	minimum elong	13319 Sep 26 09:34	17° <b>≏</b> 08'27	1°06'02
minimum elong	13318 Oct 15 03:10	6° <b>™</b> 12'37	2°52'25	min. Earth dist.	13319 Sep 29 17:21	14° <b>≏</b> 35'44	0.57544 AU
min. Earth dist.	13318 Oct 18 00:55	4°M18'06	0.55775 AU	morning rise	13319 Oct 04 00:30	11° <b>≏</b> 53'27	
morning rise	13318 Oct 23 07:33	1°M28'21		direct	13319 Oct 10 01:06	10° <b>≏</b> 22'09	
direct	13318 Oct 28 15:48	0°M23'27		morning max el	13319 Oct 24 08:21	17° <b>≏</b> 53'25	26°53'39
morning max el	13318 Nov 11 16:31	7°M28'33	25°28'15	1	13319 Nov 03 10:49	0°M	
asc. node	13318 Nov 28 05:16 13318 Nov 30 04:12	0° <b>҂</b> 3° <b>҂</b> 29′59		asc. node	13319 Nov 17 01:03 13319 Nov 20 16:03	22°M45'19 0°⊀	
morning set	13318 Nov 30 04.12 13318 Dec 08 17:55	20° <b>√</b> 40'11		morning set	13319 Nov 20 10.03 13319 Nov 23 03:35	5° <b>∡</b> ¹12'37	
morning set	13318 Dec 13 00:15	0°중		morning set	133171(01 23 03.33	3 × 1237	
	13310 200 13 00.10	ů <b>C</b>		superior conj	13319 Nov 29 23:50	20° <b>∡</b> 16'45	1°34'52
superior conj	13318 Dec 15 12:27	5° <b>る</b> 33'30	1°38'15	minimum elong	13319 Nov 29 22:44	20° <b>∡</b> 10'36	1°35'47
minimum elong	13318 Dec 15 12:22	5° <b>る</b> 32'59	1°39'16	max. Earth dist.	13319 Nov 30 07:15	20° <b>₹</b> ′58′09	1.31304 AU
max. Earth dist.	13318 Dec 16 23:36	8° <b>ප</b> 47'17	1.31879 AU		13319 Dec 04 09:08	ರ∘ರ	
evening rise	13318 Dec 22 16:05	20° <b>る</b> 58'27		evening rise	13319 Dec 06 19:57	5° <b>る</b> 16'56	
	13318 Dec 27 04:10	0° <b>≈</b>		desc. node	13319 Dec 19 20:32	0° <b>≈</b> 04'15	
desc. node	13319 Jan 01 23:38	10° <b>≈</b> 40'52			13319 Dec 19 19:31	0° <b>≈</b>	
	13319 Jan 14 12:21	0° <b>)</b> (		evening max el	13320 Jan 06 12:48	23°≈29'23	27°04'07
evening max el	13319 Jan 24 07:47	11° <b>)</b> 19'57	27°31'57		13320 Jan 16 08:24	0° <b>){</b>	
retrograde	13319 Feb 07 04:50	18° <b>)</b> (41'26		retrograde	13320 Jan 20 11:47	0° <b>)</b> 42'45	
evening set	13319 Feb 14 02:58	16° <b>¥</b> 23'18	0.62261 ATT	avanie+	13320 Jan 24 12:47	30°₹≈ 28°2242128	
min. Earth dist.	13319 Feb 17 20:59	13° <b>)</b> €23'51 10° <b>)</b> €36'29		evening set min. Earth dist.	13320 Jan 27 06:28	28°≈43'28 26°≈02'11	0.60094 AU
inferior conj minimum elong	13319 Feb 20 20:06 13319 Feb 20 23:37	10° <del>X</del> 36'29 10° <del>X</del> 28'10	1°42'41 1°40'49	inferior conj	13320 Jan 31 03:07 13320 Feb 03 07:31	26°≈02'11 23°≈24'44	
asc. node	13319 Feb 26 02:09	6° <b>¥</b> 22'11	1 70 77	minimum elong	13320 Feb 03 07.31 13320 Feb 03 14:07	23°≈11'04	
morning rise	13319 Feb 27 22:59	5° <b>H</b> 30'49		morning rise	13320 Feb 11 00:54	18°≈39'12	5 01 25
		2 7(30 1)					

asa mada	12220 Eab. 12 22:25	1000000145		minimum alana	12221 Ion 15 00:06	500014157	4922120
asc. node direct	13320 Feb 12 23:35	18°≈22'45 18°≈22'41		minimum elong	13321 Jan 15 09:06	5°≈14'57 1°≈06'53	4°22'38
	13320 Feb 13 02:26	18 ≈22 41 22°≈04'28	18°03'10	morning rise direct	13321 Jan 23 06:16	0°≈52'59	
morning max el	13320 Feb 20 12:23 13320 Feb 26 15:05	22 <b>≈</b> 04 28 0° <b>H</b>	18 03 10	asc. node	13321 Jan 25 08:02 13321 Jan 29 20:58	0 ≈32 39 2°≈03'53	
morning set	13320 Mar 07 02:25	16° <b>¥</b> 40′22		morning max el	13321 Feb 02 19:43	2 ≈03 33 5°≈02'18	18°39'15
morning set	13320 Mar 14 08:16	10 <b>γ</b> (40 22		morning max er	13321 Feb 02 19:43 13321 Feb 18 11:13	0° <b>\</b>	10 39 13
desc. node	13320 Mar 14 08:10 13320 Mar 16 22:03	4° <b>Υ</b> 36'35		morning set	13321 Feb 18 11:13 13321 Feb 18 21:47	0° <b>X</b> 51'06	
desc. flode	13320 Wai 10 22.03	4 1 30 33		morning set	13321100 16 21.47	0 7(3100	
superior conj	13320 Mar 17 02:37	4° <b>Ƴ</b> 56'48	-0°01'31	superior conj	13321 Feb 27 17:30	17° <b>)</b> 47′31	0°32'10
minimum elong	13320 Mar 17 02:29	4° <b>Y</b> 56′13	0°01'29	minimum elong	13321 Feb 27 19:34	17° <b>¥</b> 57'12	0°32'09
behind sun begin	13320 Mar 16 18:41	4° <b>Υ</b> 21'37		desc. node	13321 Mar 03 18:34	25° <b>∺</b> 13'10	
behind sun end	13320 Mar 17 10:17	5° <b>Ƴ</b> 30'44			13321 Mar 06 11:05	$0$ ° $\mathbf{\gamma}$	
max. Earth dist.	13320 Mar 24 17:10	18° <b>Y</b> '01'01	1.42092 AU	max. Earth dist.	13321 Mar 07 00:52	1° <b>Y</b> 00'16	1.39933 AU
evening rise	13320 Mar 30 01:47	26° <b>Y</b> 46'08		evening rise	13321 Mar 11 02:45	7° <b>Y</b> 58'56	
	13320 Apr 01 02:35	$9^{\circ}$ 8			13321 Mar 25 02:35	$9^{\circ}$ 8	
	13320 Apr 21 13:20	$\Pi^{\circ}0$		evening max el	13321 Apr 14 21:53	26° <b>8</b> 47'31	23°56'31
evening max el	13320 May 02 07:29	12° <b>Ⅱ</b> 56′04	22°35'27		13321 Apr 18 11:47	$\Pi$ °0	
asc. node	13320 May 10 20:12	18° <b>Ⅱ</b> 37'59		retrograde	13321 Apr 25 23:41	3° <b>Ⅱ</b> 18′02	
retrograde	13320 May 12 05:30	18° <b>Ⅱ</b> 46'51		asc. node	13321 Apr 27 17:32	3° <b>Ⅱ</b> 04'19	
evening set	13320 May 17 01:47	16° <b>Ⅱ</b> 45′13		evening set	13321 May 01 07:30	1° <b>Ⅱ</b> 03'15	
inferior conj	13320 May 22 09:10	10° <b>Ⅲ</b> 22'33	2°53'17		13321 May 02 10:14	30° <b>₹</b> 8	
minimum elong	13320 May 22 07:33	10° <b>Ⅱ</b> 28'11	2°52'05	min. Earth dist.	13321 May 06 00:12	25° <b>8</b> 35'43	0.68655 AU
min. Earth dist.	13320 May 22 03:43	10° <b>Ⅱ</b> 41'34	0.68911 AU	inferior conj	13321 May 06 18:11	24° <b>8</b> 34'30	2°28'07
morning rise	13320 May 27 13:11	4° <b>Ⅱ</b> 11'58		minimum elong	13321 May 06 16:06	24° <b>8</b> 41'35	2°26'50
direct	13320 Jun 01 03:21	2° <b>Ⅱ</b> 17'27		morning rise	13321 May 12 00:44	18° <b>8</b> 31'30	
morning max el	13320 Jun 10 03:08	7° <b>Ⅱ</b> 31′09	21°37'58	direct	13321 May 16 02:21	16° <b>8</b> 57'42	
desc. node	13320 Jun 12 23:31	10° <b>Ⅲ</b> 35′24		morning max el	13321 May 23 23:18	21° <b>8</b> 24'39	20°20'48
	13320 Jun 27 11:24	$0$ $\circ$ $\odot$		desc. node	13321 May 30 20:28	29° <b>8</b> 32'20	
morning set	13320 Jul 12 03:29	22°519'46			13321 May 31 04:49	$\Pi^{\circ}0$	
	13320 Jul 16 21:53	$0 ^{\circ} \Omega$			13321 Jun 20 15:58	$0$ $\circ$ $\odot$	
max. Earth dist.	13320 Jul 18 09:50	2° <b>Ω</b> 27'33	1.42117 AU	morning set	13321 Jun 21 10:10	1°910'08	
				max. Earth dist.	13321 Jun 30 18:50	15° <b>©</b> 52'28	1.43973 AU
superior conj	13320 Jul 25 23:24	15° <b>Ω</b> 15'29					
minimum elong	13320 Jul 26 06:12	15° <b>Ω</b> 44'58	1°33'45	superior conj	13321 Jul 06 21:54	25° <b>©</b> 49'32	
	13320 Aug 03 06:02	0° <b>m</b> )		minimum elong	13321 Jul 07 04:26	26°©16'31	2°00'59
evening rise	13320 Aug 05 23:58	5° Mp 00'44			13321 Jul 09 10:18	0°Ω	
asc. node	13320 Aug 06 19:52	6° Mg 31'35		evening rise	13321 Jul 19 14:37	17° <b>Ω</b> 23'21	
·	13320 Aug 21 14:37	0° <b>⊽</b>	10000120	asc. node	13321 Jul 24 16:34	26° <b>Ω</b> 11'02	
evening max el	13320 Aug 22 02:41	0° <b>Ω</b> 30'48	18°08'38		13321 Jul 26 22:41	0°M)	10002121
retrograde	13320 Aug 29 02:21	4° <b>♀</b> 04'34 3° <b>♀</b> 42'33		evening max el	13321 Aug 05 16:24	13° Mp 43'11	18°03'21
evening set	13320 Aug 31 08:41 13320 Sep 06 04:59			retrograde evening set	13321 Aug 12 03:35	17° Mp 04'17	
inforior coni	*	30°RM)	0°25'31	Ü	13321 Aug 14 18:09	16° Mp 30'43 11° Mp 22'05	1°36'00
inferior conj minimum elong	13320 Sep 07 11:23 13320 Sep 07 12:13	28° m 52'58 28° m 51'06		inferior conj minimum elong	13321 Aug 21 04:55 13321 Aug 21 07:16	11° m) 16'03	1°34'49
desc. node	13320 Sep 07 12:13 13320 Sep 08 20:41	27° m <sub>2</sub> 37'47	0 23 03	min. Earth dist.	13321 Aug 21 07:10 13321 Aug 24 03:44	8° <b>m</b> ) 21'31	0.62020 AU
min. Earth dist.	13320 Sep 08 20:41 13320 Sep 10 18:00	25° m) 57'52	0.59728 AU	desc. node	13321 Aug 26 18:14	6° Mp 01'19	0.02020 AC
morning rise	13320 Sep 10 18:00 13320 Sep 14 12:27	23° My 10'17	0.37720 AO	morning rise	13321 Aug 20 18:14 13321 Aug 27 17:56	5° M) 16'43	
direct	13320 Sep 14 12:27 13320 Sep 21 00:07	21° mg 10'17		direct	13321 Nag 27 17:30 13321 Sep 03 10:15	2° My 54'55	
morning max el	13320 Oct 05 07:51	29° <b>m</b> 01'37	27°45'10	morning max el	13321 Sep 03 10:13 13321 Sep 17 13:37	10° <b>m</b> ) 55'07	27°57'53
morning man er	13320 Oct 06 07:04	0° <b>⊽</b>	27 10 10	morning man er	13321 Oct 02 13:22	0∘ <b>ಹ</b>	2, 5, 55
	13320 Oct 27 08:46	0° <b>M</b> ,			13321 Oct 19 16:11	0° <b>M</b> .	
asc. node	13320 Nov 02 21:50	12°M21'54		asc. node	13321 Oct 20 18:31	2°ML12'47	
morning set	13320 Nov 06 09:33	19°M31'25		morning set	13321 Oct 21 09:45	3°M30'34	
3	13320 Nov 11 05:49	0° <b>∡</b> ¹		max. Earth dist.	13321 Oct 26 20:37	15°ML03'38	1.31719 AU
max. Earth dist.	13320 Nov 12 15:32	3° <b>∡</b> ¹06'53	1.31247 AU				
				superior conj	13321 Oct 28 20:56	19°ML28'10	1°10'49
superior conj	13320 Nov 13 11:18	4° <b>∡</b> ¹57'01	1°25'41	minimum elong	13321 Oct 28 18:40	19°ML15'45	1°11'12
minimum elong	13320 Nov 13 09:26	4° <b>∡</b> ¹46'36	1°26'23		13321 Nov 02 15:27	0° <b>∡</b> ¹	
evening rise	13320 Nov 20 04:11	19° <b>∡¹</b> 45'15		evening rise	13321 Nov 04 14:48	4° <b>∡</b> 17'42	
Č	13320 Nov 25 02:37	0°ರ		Ç	13321 Nov 18 02:24	0°ರ	
desc. node	13320 Dec 05 17:34	18° <b>る</b> 49'22		desc. node	13321 Nov 22 14:43	6° <b>ප</b> 41'22	
	13320 Dec 13 22:14	0° <b>≈</b>		evening max el	13321 Nov 29 23:41	15° <b>ට</b> 16'34	24°32'53
evening max el	13320 Dec 18 10:11	4° <b>≈</b> 47'04	26°02'09	retrograde	13321 Dec 13 17:05	22° <b>පි</b> 07'28	
retrograde	13321 Jan 01 08:38	11° <b>≈</b> 50'39		evening set	13321 Dec 18 23:59	21° <b>ට</b> 05'49	
evening set	13321 Jan 07 14:48	10° <b>≈</b> 18′05		min. Earth dist.	13321 Dec 24 11:24	18° <b>ට</b> 16'43	0.56137 AU
min. Earth dist.	13321 Jan 11 23:16	7° <b>≈</b> 41'29	0.57965 AU	inferior conj	13321 Dec 26 20:36	16° <b>පි</b> 47'13	-5°31'03
inferior conj	13321 Jan 15 00:23	5° <b>≈</b> 30'35	-4°26'00	minimum elong	13321 Dec 27 03:33	16° <b>පි</b> 36'19	5°28'57

· ·	·		Č	. ,,			
morning rise	13322 Jan 04 09:08	12° <b>る</b> 44'14		inferior conj	13322 Dec 06 22:01	27° <b>∡</b> 16′02	-5°56'18
direct	13322 Jan 06 18:34	12° <b>る</b> 28'47		minimum elong	13322 Dec 06 21:32	27° <b>х</b> 16'43	
morning max el	13322 Jan 16 15:56	17° <b>る</b> 14'40	19°37'37	morning rise	13322 Dec 15 09:26	23° <b>×</b> <sup>7</sup> 27'26	
asc. node	13322 Jan 16 18:16	17° <b>る</b> 20'20		direct	13322 Dec 18 11:23	23° <b>×</b> <sup>7</sup> 05'26	
	13322 Jan 25 23:22	0° <b>≈</b>		morning max el	13322 Dec 29 21:58	28° <b>×</b> <sup>7</sup> 33'06	20°59'04
morning set	13322 Feb 03 01:09	15° <b>≈</b> 22'05			13322 Dec 31 08:24	0°ප	
morning sec	13322 Feb 10 07:41	0° <b>∀</b>		asc. node	13323 Jan 03 15:30	3° <b>る</b> 56'09	
		• /		morning set	13323 Jan 18 09:31	0°≈04'07	
superior conj	13322 Feb 11 00:06	1° <b>¥</b> 21'02	0°58'59	morning sec	13323 Jan 18 08:43	0° <b>≈</b>	
minimum elong	13322 Feb 11 02:53	1° <b>)</b> (34'41					
max. Earth dist.	13322 Feb 17 07:12	13° <b>¥</b> 21'59	1.37683 AU	superior conj	13323 Jan 25 18:10	15° <b>≈</b> 24'58	1°18'37
desc. node	13322 Feb 18 15:06	15° <b>¥</b> 48'06	-10,000-110	minimum elong	13323 Jan 25 20:38	15° <b>≈</b> 37'42	
evening rise	13322 Feb 21 00:26	20° <b>)</b> €05'03		max. Earth dist.	13323 Jan 30 16:30		1.35573 AU
	13322 Feb 26 19:32	0°Υ			13323 Feb 02 02:36	0° <b>)</b> €	
	13322 Mar 19 04:15	0°8		evening rise	13323 Feb 03 15:48	2° <b>¥</b> 55'05	
evening max el	13322 Mar 28 11:31	10° <b>8</b> 40'54	25°13'59	desc. node	13323 Feb 05 11:40	6° <b>)</b> 17'04	
retrograde	13322 Apr 09 13:39	17° <b>8</b> 41'21			13323 Feb 19 19:00	0°Υ	
asc. node	13322 Apr 14 14:56	15° <b>8</b> 52'20		evening max el	13323 Mar 11 01:12	24° <b>Y</b> ′30'07	26°20'38
evening set	13322 Apr 15 09:06	15° <b>8</b> 16'18		<i>y</i>	13323 Mar 18 00:02	0°8	
min. Earth dist.	13322 Apr 19 18:20	10° <b>8</b> 24'41	0.67951 AU	retrograde	13323 Mar 23 22:27	1° <b>8</b> 49'09	
inferior conj	13322 Apr 21 00:42	8° <b>8</b> 45'46	1°52'45	C	13323 Mar 29 06:35	30° <b>₹</b> Υ	
minimum elong	13322 Apr 20 22:36	8° <b>8</b> 52'39	1°51'32	evening set	13323 Mar 30 04:51	29° <b>Y</b> 17'51	
morning rise	13322 Apr 26 12:26	2° <b>8</b> 51'40		asc. node	13323 Apr 01 12:22	27° <b>Y</b> ′05'38	
direct	13322 Apr 30 02:16	1° <b>8</b> 38'08		min. Earth dist.	13323 Apr 03 07:52	25° <b>Ƴ</b> 01'17	0.66821 AU
morning max el	13322 May 07 03:03	5° <b>8</b> 29'20	19°17'37	inferior conj	13323 Apr 05 02:40	22° <b>Y</b> 50'43	1°06'42
desc. node	13322 May 17 17:17	19° <b>8</b> 03'03		minimum elong	13323 Apr 05 01:06	22° <b>Y</b> ′55'30	1°05'50
greatest brilliancy	13322 May 19 21:59	22° <b>8</b> 16'40	-0.7m	morning rise	13323 Apr 10 22:14	17° <b>Ƴ</b> 07'19	
	13322 May 25 01:08	$\Pi^{\circ}0$		direct	13323 Apr 14 01:17	16° <b>Ƴ</b> 12'11	
morning set	13322 May 31 12:32	9° <b>Ⅱ</b> 55'08		morning max el	13323 Apr 20 13:45	19° <b>Ƴ</b> 40'38	18°30'25
	13322 Jun 13 10:32	$0$ $\circ$ $\odot$			13323 Apr 28 16:36	$9^{\circ}$ 8	
max. Earth dist.	13322 Jun 13 10:16	29° <b>∏</b> 58′59	1.45249 AU	desc. node	13323 May 04 13:59	8° <b>8</b> 57'44	
				morning set	13323 May 11 07:51	19° <b>8</b> 33'29	
superior conj	13322 Jun 16 21:28	5° <b>5</b> 27'30	-2°13'14		13323 May 17 23:14	$\Pi$ °0	
minimum elong	13322 Jun 16 22:52	5° <b>©</b> 33'03	2°14'16			_	
evening rise	13322 Jul 01 07:40	28°5549'47		superior conj	13323 May 27 06:25	14° <b>Ⅲ</b> 32'30	
	13322 Jul 02 00:41	$0$ ° $\Omega$		minimum elong	13323 May 27 00:14	14° <b>Ⅱ</b> 08'19	
asc. node	13322 Jul 11 13:21	15° <b>Ω</b> 32'15		max. Earth dist.	13323 May 27 05:34		1.45813 AU
evening max el	13322 Jul 20 06:38	27° <b>Ω</b> 14'22	18°16'25		13323 Jun 06 03:23	0°©	
. 1	13322 Jul 24 00:14	0° Mp		evening rise	13323 Jun 12 00:08	9°514'51	0.0
retrograde	13322 Jul 26 15:19	0°Mp36'57 30°RΩ		greatest brilliancy	13323 Jun 20 16:16	22°955'07	-0.8m
	13322 Jul 29 05:45			1-	13323 Jun 25 07:32 13323 Jun 28 10:14	0° <b>Ω</b> 4° <b>Ω</b> 28'04	
evening set	13322 Jul 29 14:23	29° <b>Ω</b> 49'13 24° <b>Ω</b> 23'24	2024146	asc. node	13323 Jul 28 10:14 13323 Jul 03 18:24	$10^{\circ}\Omega56'13$	10047!10
inferior conj minimum elong	13322 Aug 04 12:50 13322 Aug 04 15:16	$24^{\circ}\Omega 16'26$		evening max el retrograde	13323 Jul 03 18.24 13323 Jul 10 09:41	10° <b>Ω</b> 33'54	16 4/10
min. Earth dist.	13322 Aug 04 13:10 13322 Aug 06 22:54	21° <b>Ω</b> 37'38	0.64167 AU	evening set	13323 Jul 13 17:29	13°Ω30'23	
morning rise	13322 Aug 10 14:39	18° <b>Ω</b> 05'07	0.01107110	inferior conj	13323 Jul 19 07:19	7° <b>Ω</b> 49'14	2°55'01
desc. node	13322 Aug 13 15:44	16° <b>Ω</b> 13'34		minimum elong	13323 Jul 19 09:03	7° <b>Ω</b> 43'50	
direct	13322 Aug 17 05:17	15° <b>Ω</b> 29'08		min. Earth dist.	13323 Jul 21 02:56		0.65990 AU
morning max el	13322 Aug 30 23:20	23° <b>Ω</b> 28'42	27°33'48	morning rise	13323 Jul 24 23:48	1° <b>Ω</b> 25'37	
C	13322 Sep 05 19:02	0° <b>m</b> )		Č	13323 Jul 26 23:12	30° <b>ℝ</b> ∽	
	13322 Sep 25 21:24	0∘ <u>v</u>		direct	13323 Jul 31 07:51	28° <b>©</b> 45'12	
morning set	13322 Oct 05 01:46	17° <b>≏</b> 04'26		desc. node	13323 Jul 31 13:09	28° <b>©</b> 45'23	
asc. node	13322 Oct 07 15:09	22° <b>₽</b> 13'09			13323 Aug 05 02:11	$0^{\circ}\Omega$	
max. Earth dist.	13322 Oct 09 18:57	26° <b>≙</b> 41'08	1.32728 AU	morning max el	13323 Aug 13 10:33	6° <b>Ω</b> 31'40	26°39'30
	13322 Oct 11 08:40	$0^{\circ}$ M			13323 Aug 31 13:25	0° <b>™</b>	
				morning set	13323 Sep 18 06:35	0° <b>ჲ</b> 05'59	
superior conj	13322 Oct 13 02:42	3°M44'48	0°50'21		13323 Sep 18 05:20	0∘ <b>亚</b>	
minimum elong	13322 Oct 13 00:36	3°M33'27	0°50'28	max. Earth dist.	13323 Sep 22 07:52	7° <b>≏</b> 58'10	1.34258 AU
evening rise	13322 Oct 20 01:57	18° <b>M</b> 49'33		asc. node	13323 Sep 24 11:44	12° <b>≏</b> 18'50	
	13322 Oct 25 11:57	0° <b>∡</b>					
desc. node	13322 Nov 09 11:59	23° <b>∡</b> ¹20'25		superior conj	13323 Sep 27 02:19	17° <b>≏</b> 40'51	0°24'33
evening max el	13322 Nov 11 09:44	25° <b>∡</b> 18'52	22°51'00	minimum elong	13323 Sep 27 01:02	17° <b>≏</b> 34'11	0°24'30
	13322 Nov 17 14:57	0°る			13323 Oct 02 22:33	0°M,	
retrograde	13322 Nov 24 12:19	1°る49'21		evening rise	13323 Oct 04 11:43	3°M15'46	
evening set	13322 Nov 28 11:02	1°る15'26			13323 Oct 19 08:37	0° <b>∡</b> ¹	21014116
min Forth dist	13322 Dec 01 19:26	30°₹ <b>⋌</b> ¹ 27° <b>⋌</b> 755'13	0.54905 AU	evening max el desc. node	13323 Oct 24 01:39	5° <b>х</b> 30'59 8° <b>х</b> 21'19	Z1-14-16
min. Earth dist.	13322 Dec 05 18:29	21 <b>x</b> ·33 13	0.54905 AU	uese. Houe	13323 Oct 27 09:19	o x 21 19	

ratra ara da	12222 Nov. 04 22:45	110.706127			12224 San 24 02:20	00 <b>m</b>	
retrograde	13323 Nov 04 23:45	11° <b>х</b> 26'27 11° <b>х</b> 10'03		avanina may al	13324 Sep 24 02:30 13324 Oct 05 06:47	0°M 16°M22'58	19°54'46
evening set inferior conj	13323 Nov 07 15:25 13323 Nov 16 13:43	7° <b>х</b> 16'23	5022116	evening max el desc. node	13324 Oct 03 06:47 13324 Oct 13 06:45	21°M16'07	19 34 40
minimum elong	13323 Nov 16 15:45	7° <b>×</b> 10 23	5°20'49	retrograde	13324 Oct 15 00:43	21°M31'06	
min. Earth dist.	13323 Nov 17 00:30	7° 🗷 20 10 7° 🗷 01'12	0.54510 AU	evening set	13324 Oct 17 12:58	21°M20'54	
morning rise	13323 Nov 24 19:45	3° <b>x</b> <sup>7</sup> 26'13	0.54510 AO	inferior conj	13324 Oct 17 12:38 13324 Oct 26 10:03	17°M20'40	-3°57'44
direct	13323 Nov 24 19:43 13323 Nov 28 19:01	2° <b>×</b> 52'22		minimum elong	13324 Oct 26 10:05	17°M35'22	
morning max el	13323 Nov 26 17:01 13323 Dec 11 14:51	9°×02'23	22°39'55	min. Earth dist.	13324 Oct 28 08:53	16°M09'12	
asc. node	13323 Dec 21 12:36	21°×7'34'08	22 37 33	morning rise	13324 Nov 03 10:28	13°M07'56	0.55050710
asc. node	13323 Dec 26 10:44	0°る。		direct	13324 Nov 08 07:13	12°M16'05	
morning set	13324 Jan 02 20:37	14° <b>る</b> 50'35		morning max el	13324 Nov 22 01:03	19°M04'01	24°28'47
morning sec	133213411 02 20.37	11 00000		morning max er	13324 Dec 01 03:50	0° <b>⊼</b> ″	21 20 17
superior conj	13324 Jan 09 20:19	29° <b>る</b> 49'58	1°31'19	asc. node	13324 Dec 07 09:37	9° <b>×</b> 758'48	
minimum elong	13324 Jan 09 21:56	29° <b>る</b> 58'37		morning set	13324 Dec 17 08:32	29° <b>×</b> 35'17	
g	13324 Jan 09 22:12	0°≈	1 32 00	morning sec	13324 Dec 17 13:08	0°ਰ	
max. Earth dist.	13324 Jan 13 08:23	7° <b>≈</b> 11'51	1.33787 AU		1332.1300 17 13.00	<b>~ ~</b>	
evening rise	13324 Jan 17 21:22	16° <b>≈</b> 20'18	1.55707110	superior conj	13324 Dec 24 03:47	14° <b>る</b> 27'17	1°37'30
desc. node	13324 Jan 23 08:19	26°≈35'59		minimum elong	13324 Dec 24 04:20	14° <b>る</b> 30'15	1°38'29
acce. noue	13324 Jan 25 06:09	0° <b>∀</b>		max. Earth dist.	13324 Dec 26 07:48	19°る10'10	1.32435 AU
	13324 Feb 14 06:38	0° <b>Υ</b>		man. Barur alov.	13324 Dec 31 11:26	0°≈	1.52 150 110
evening max el	13324 Feb 21 14:41	8° <b>Υ</b> 06'39	27°09'05	evening rise	13324 Dec 31 13:46	0°≈11'56	
retrograde	13324 Mar 06 01:21	15° <b>Ƴ</b> 33'40	_, ,,,,,	desc. node	13325 Jan 09 05:04	16° <b>≈</b> 39'05	
evening set	13324 Mar 12 16:47	13° <b>Y</b> '01'36		dese. node	13325 Jan 17 06:49	0° <b>∀</b>	
min. Earth dist.	13324 Mar 16 14:44	9° <b>Υ</b> 18'12	0.65298 AU	evening max el	13325 Feb 03 02:44	21° <b>X</b> 19'31	27°32'24
asc. node	13324 Mar 18 09:50	7° <b>Y</b> 17'44		retrograde	13325 Feb 16 21:38	28° <b>)</b> 45'36	_,
inferior conj	13324 Mar 18 21:44	6° <b>Ƴ</b> 44'11	0°09'32	evening set	13325 Feb 23 18:34	26° <b>¥</b> 20′03	
minimum elong	13324 Mar 18 21:28	6° <b>Y</b> 44'57	0°09'25	min. Earth dist.	13325 Feb 27 13:11	23°\tag{06'05}	0.63436 AU
transit middle	13324 Mar 18 21:28	6° <b>Y</b> 44'57	0°09'25	inferior conj	13325 Mar 02 07:10	20° <b>)</b> 19'36	
transit begin	13324 Mar 18 19:01	6° <b>Y</b> 51'48		minimum elong	13325 Mar 02 09:04	20° <b>)</b> 14'47	
transit end	13324 Mar 18 23:54	6° <b>Ƴ</b> 38'07		asc. node	13325 Mar 05 07:17	17° <b>)</b> (28'11	
morning rise	13324 Mar 25 03:45	1° <b>Y</b> 13'30		morning rise	13325 Mar 09 01:58	15° <b>)</b> 04'03	
direct	13324 Mar 27 21:10	0° <b>Y</b> ′33'51		direct	13325 Mar 11 11:17	14° <b>)</b> (36'20	
morning max el	13324 Apr 03 05:23	3° <b>Y</b> ′52'12	17°59'59	morning max el	13325 Mar 17 23:06	17° <b>)</b> 55'53	17°46'51
desc. node	13324 Apr 20 10:35	29° <b>Y</b> ′09'51		. 8	13325 Mar 26 18:40	0°Υ	
	13324 Apr 20 22:49	0°8		morning set	13325 Apr 03 08:48	12° <b>Υ</b> 50'21	
morning set	13324 Apr 21 06:59	0° <b>8</b> 33'30		desc. node	13325 Apr 07 07:09	19° <b>Ƴ</b> 34'20	
C	•				13325 Apr 13 12:03	0°8	
superior conj	13324 May 05 17:35	23° <b>8</b> 50'10	-1°40'55		•		
minimum elong	13324 May 05 08:26	23° <b>8</b> 14'00	1°40'46	superior conj	13325 Apr 15 22:35	4° <b>8</b> 00'52	-1°03'36
max. Earth dist.	13324 May 09 01:40	29° <b>8</b> 05'04	1.45624 AU	minimum elong	13325 Apr 15 16:09	3° <b>8</b> 34'31	1°03'13
	13324 May 09 15:42	$\Pi$ $^{\circ}0$		max. Earth dist.	13325 Apr 21 19:57	13° <b>8</b> 30'37	1.44717 AU
evening rise	13324 May 21 19:36	18° <b>Ⅲ</b> 51'27		evening rise	13325 May 01 06:40	28° <b>8</b> 15'02	
Č	13324 May 29 02:11	0∘ <b>©</b>		C	13325 May 02 10:05	$\Pi^{\circ}0$	
greatest brilliancy	13324 Jun 04 08:30	9° <b>5</b> 24'22	-0.7m		13325 May 22 23:31	$0$ $\circ$ $\odot$	
asc. node	13324 Jun 14 07:12	22° <b>©</b> 49'25		evening max el	13325 May 30 02:54	8°931'15	20°36'38
evening max el	13324 Jun 16 01:30	24°5642'46	19°34'33	asc. node	13325 Jun 01 04:16	10° <b>©</b> 25'13	
retrograde	13324 Jun 23 07:32	28° <b>©</b> 47'55		retrograde	13325 Jun 07 06:29	13° <b>©</b> 13'42	
evening set	13324 Jun 27 00:34	27°527'50		evening set	13325 Jun 11 09:29	11° <b>©</b> 36'59	
inferior conj	13324 Jul 02 09:09	21° <b>©</b> 32'59	3°10'00	inferior conj	13325 Jun 16 15:43	5° <b>5</b> 29'58	3°12'11
minimum elong	13324 Jul 02 09:53	21° <b>5</b> 30'34	3°08'59	minimum elong	13325 Jun 16 15:25	5° <b>©</b> 31'00	3°11'10
min. Earth dist.	13324 Jul 03 14:17	19° <b>©</b> 56'15	0.67403 AU	min. Earth dist.	13325 Jun 17 06:58	4° <b>5</b> 37'23	0.68362 AU
morning rise	13324 Jul 07 18:45	15° <b>©</b> 09'21			13325 Jun 21 00:16	30° <b>Ŗ</b> Ⅱ	
direct	13324 Jul 13 16:55	12° <b>©</b> 33'34		morning rise	13325 Jun 21 21:03	29° <b>Ⅱ</b> 09'51	
desc. node	13324 Jul 17 10:28	13° <b>©</b> 24'52		direct	13325 Jun 27 07:27	26° <b>∏</b> 46′09	
morning max el	13324 Jul 25 21:22	19° <b>©</b> 51'51	25°23'44	desc. node	13325 Jul 04 07:42	29° <b>Ⅱ</b> 45'58	
	13324 Aug 03 13:17	$0^{\circ}\Omega$			13325 Jul 04 14:53	$0$ $\circ$ $\odot$	
	13324 Aug 23 16:21	0° <b>m</b>		morning max el	13325 Jul 08 07:32	3° <b>5</b> 21'18	23°56'23
morning set	13324 Aug 30 20:20	12°Mp25'15			13325 Jul 28 16:40	$0^{\circ}\Omega$	
max. Earth dist.	13324 Sep 03 11:02	19° <b>m</b> 03'39	1.36246 AU	morning set	13325 Aug 12 14:31	23° <b>Ω</b> 51′27	
	13324 Sep 09 03:04	0∘ <b>⊽</b>			13325 Aug 16 03:21	0° m	
				max. Earth dist.	13325 Aug 16 08:43	0° m 23′43	1.38533 AU
superior conj	13324 Sep 09 16:52	1° <b>ഫ</b> 08'33	-0°06'02				
minimum elong	13324 Sep 09 17:14	1° <b>≏</b> 10'25	0°06'04	superior conj	13325 Aug 23 18:54	14° Mp 00'06	-0°40'01
behind sun begin	13324 Sep 09 11:20	0° <b>ჲ</b> 40'59		minimum elong	13325 Aug 23 21:44	14° mp 13'28	0°39'54
behind sun end	13324 Sep 09 23:09	1° <b>≏</b> 39'55		asc. node	13325 Aug 28 04:51	22° <b>m</b> 29'54	
asc. node	13324 Sep 10 08:16	2° <b>₽</b> 25'29			13325 Sep 01 00:33	0∘ <b>⊽</b>	
evening rise	13324 Sep 17 17:54	17° <b>≏</b> 29'49		evening rise	13325 Sep 01 17:56	1° <b>≏</b> 25'25	
-	•			-	<u>*</u>		

evening max el	13325 Sep 18 01:51	28° <b>♀</b> 04'20	18°56'49	evening rise	13326 Aug 16 08:26	14° <b>m</b> 53'24	
evening man er	13325 Sep 20 06:35	0°M	10 00 19	evening rise	13326 Aug 24 16:30	0° <b>⊽</b>	
retrograde	13325 Sep 26 18:47	2°M26'13		evening max el	13326 Sep 01 07:23	10° <b>≏</b> 28'42	18°20'22
evening set	13325 Sep 28 15:40	2°M14'55		retrograde	13326 Sep 08 18:46	14° <b>Ω</b> 15'49	
desc. node	13325 Sep 30 04:14	1° <b>M</b> 50'01		evening set	13326 Sep 10 21:00	13° <b>≏</b> 58'43	
	13325 Oct 03 22:06	30° <b>₽</b> Ω		desc. node	13326 Sep 17 01:45	10° <b>≏</b> 26′12	
inferior conj	13325 Oct 06 23:15	27° <b>≙</b> 58'01	-2°08'51	inferior conj	13326 Sep 18 10:07	9° <b>≏</b> 20'48	-0°25'23
minimum elong	13325 Oct 06 17:47	28° <b>ჲ</b> 07'36	2°06'19	minimum elong	13326 Sep 18 09:11	9° <b>≏</b> 22'44	0°24'57
min. Earth dist.	13325 Oct 09 21:50	25° <b>≙</b> 54'38	0.56461 AU	min. Earth dist.	13326 Sep 21 17:20	6° <b>₽</b> 39'07	0.58447 AU
morning rise	13325 Oct 14 16:48	23° <b>♀</b> 09'55		morning rise	13326 Sep 25 17:54	3° <b>ჲ</b> 56′20	
direct	13325 Oct 20 08:44	21° <b>≏</b> 53'51		direct	13326 Oct 02 00:11	2° <b>₾</b> 13'03	
morning max el	13325 Nov 03 12:58	29° <b>≏</b> 11'25	26°07'50	morning max el	13326 Oct 16 07:48	9° <b>ჲ</b> 52'35	27°20'09
	13325 Nov 04 08:48	0° <b>M</b> .			13326 Oct 31 19:07	0° <b>M</b>	
asc. node	13325 Nov 24 06:31	28°M58'29		asc. node	13326 Nov 11 03:21	18°M23'59	
	13325 Nov 24 19:32	0° <b>∡</b> ¹		morning set	13326 Nov 16 03:52	28°M41'00	
morning set	13325 Dec 01 19:30	14° <b>₹</b> 13'30			13326 Nov 16 18:40	0° <b>∡</b> ¹	
superior conj	13325 Dec 08 14:20	29° <b>∡</b> 10′18	1°37'32	superior conj	13326 Nov 23 02:01	13° <b>∡</b> ′53′21	1°31'40
minimum elong	13325 Dec 08 13:48	29° <b>х</b> 07'17	1°38'32	minimum elong	13326 Nov 23 00:33	13° <b>∡</b> ¹45′09	1°32'31
_	13325 Dec 08 23:17	ರ°ರ		max. Earth dist.	13326 Nov 22 21:47	13° <b>∡</b> °29'43	1.31220 AU
max. Earth dist.	13325 Dec 09 13:16	1° <b>る</b> 17'38	1.31575 AU	evening rise	13326 Nov 29 20:14	28° <b>х</b> 46′54	
evening rise	13325 Dec 15 14:12	14° <b>る</b> 22'49			13326 Nov 30 09:58	ರ°ರ	
	13325 Dec 23 12:27	0°≈		desc. node	13326 Dec 13 22:54	25° <b>る</b> 28'39	
desc. node	13325 Dec 27 01:56	6° <b>≈</b> 19'33			13326 Dec 16 20:17	0°≈	
	13326 Jan 12 16:00	0° <b>)</b>		evening max el	13326 Dec 29 13:40	15° <b>≈</b> 46′03	26°41'48
evening max el	13326 Jan 16 11:19	3° <b>¥</b> 56′28	27°24'25	retrograde	13327 Jan 12 12:35	22° <b>≈</b> 54'29	
retrograde	13326 Jan 30 09:55	11° <b>¥</b> 15′01		evening set	13327 Jan 19 03:09	21° <b>≈</b> 06′06	
evening set	13326 Feb 06 07:14	9° <b>∺</b> 04'10		min. Earth dist.	13327 Jan 23 03:36	18° <b>≈</b> 28'34	0.59173 AU
min. Earth dist.	13326 Feb 10 01:42	6° <b>¥</b> 13'25	0.61343 AU	inferior conj	13327 Jan 26 07:44	16° <b>≈</b> 00'45	-3°39'50
inferior conj	13326 Feb 13 03:41	3° <b>¥</b> 28′20	-2°16'50	minimum elong	13327 Jan 26 15:29	15° <b>≈</b> 45'38	3°36'26
minimum elong	13326 Feb 13 08:31	3° <b>¥</b> 17'31	2°14'23	morning rise	13327 Feb 03 06:50	11° <b>≈</b> 24'01	
	13326 Feb 17 11:18	30° <b>R</b> ≈		direct	13327 Feb 05 07:53	11° <b>≈</b> 08'58	
asc. node	13326 Feb 20 04:44	28° <b>≈</b> 37'10		asc. node	13327 Feb 07 02:09	11° <b>≈</b> 20'38	
morning rise	13326 Feb 20 12:46	28° <b>≈</b> 30'42		morning max el	13327 Feb 13 03:32	15° <b>≈</b> 01'17	18°15'52
direct	13326 Feb 22 16:13	28° <b>≈</b> 11′08			13327 Feb 23 10:53	0° <b>)</b>	
	13326 Feb 27 15:45	0° <b>∀</b>		morning set	13327 Feb 28 20:26	10° <b>)</b> €00'35	
morning max el	13326 Mar 01 15:41	1° <b>)</b> 42′12	17°51'42				
morning set	13326 Mar 17 07:15	26° <b>米</b> 05′16		superior conj	13327 Mar 10 07:28	27° <b>)</b> €39'37	0°13'33
	13326 Mar 19 11:19	$0^{\circ}$ Y		minimum elong	13327 Mar 10 08:29	27° <b>)</b> 44′13	0°13'32
desc. node	13326 Mar 25 03:40	10° <b>Y</b> ′06′31		behind sun begin	13327 Mar 10 04:31	27° <b>∺</b> 26′15	
				behind sun end	13327 Mar 10 12:27	28° <b>∺</b> 02'10	
superior conj	13326 Mar 28 03:38	15° <b>Ƴ</b> 18'39			13327 Mar 11 14:37	$0^{\circ}$ Y	
minimum elong	13326 Mar 28 01:29	15° <b>Y</b> ′09'25	0°23'16	desc. node	13327 Mar 12 00:11	0° <b>Y</b> 42'53	
max. Earth dist.	13326 Apr 04 10:55	27° <b>Y</b> ′32'29	1.43192 AU	max. Earth dist.	13327 Mar 17 21:44	10° <b>Y</b> ′59'21	1.41208 AU
	13326 Apr 05 23:14	0° <b>8</b>		evening rise	13327 Mar 22 14:09	18° <b>Ƴ</b> 46'59	
evening rise	13326 Apr 11 01:18	8° <b>8</b> 05'35			13327 Mar 29 15:59	0°8	
	13326 Apr 25 14:46	0°II			13327 Apr 20 01:39	0°Π	
evening max el	13326 May 12 22:50	22° <b>I</b> I20'23	21°50'03	evening max el	13327 Apr 25 14:43	6°Ⅱ11'05	23°09'53
asc. node	13326 May 19 01:28	27° <b>Ⅱ</b> 00′29		asc. node	13327 May 05 22:44	12° <b>Ⅱ</b> 18'51	
retrograde	13326 May 22 04:36	27° <b>II</b> 45'33		retrograde	13327 May 06 00:29	12° <b>Ⅱ</b> 18'52	
evening set	13326 May 26 18:25	25° <b>Ⅱ</b> 52'43	2002111	evening set	13327 May 11 01:44	10° <b>Ⅱ</b> 11'16	2042151
inferior conj	13326 Jun 01 00:46	19° <b>Ⅱ</b> 35'19	3°03'11	inferior conj	13327 May 16 10:19	3° <b>∏</b> 45'48	
minimum elong	13326 May 31 23:34	19° <b>Ⅱ</b> 39'30	3°02'04	minimum elong	13327 May 16 08:28	3° <b>∏</b> 52'13	
min. Earth dist.	13326 Jun 01 02:45	19° <b>Ⅲ</b> 28'22 13° <b>Ⅲ</b> 20'53	0.68850 AU	min. Earth dist.	13327 May 15 23:30	4° <b>Ⅱ</b> 23'12	0.0880/ AU
morning rise direct	13326 Jun 06 04:31 13326 Jun 11 02:12	13° <b>Щ</b> 20'33		morning rise	13327 May 19 07:07	30°R <b>と</b> 27° <b>と</b> 38'30	
		11 <b>Д</b> 1441 16° <b>Д</b> 57'48	22°27'00	morning rise direct	13327 May 21 15:07	25° <b>8</b> 52'40	
morning max el desc. node	13326 Jun 20 19:06 13326 Jun 21 04:50	16 Д3/48 17°Д22'29	22 21 00	direct	13327 May 25 23:59 13327 Jun 02 16:56	23 <b>O</b> 32 40 0° <b>Ⅱ</b>	
acse. Houc	13326 Jul 01 12:59	0°95		morning max el	13327 Jun 02 16.36 13327 Jun 03 11:27	0° <b>П</b> 44'47	21°03'38
	13326 Jul 21 17:52	0° <b>U</b>		desc. node	13327 Jun 03 11:27 13327 Jun 08 01:51	5° <b>П</b> 54'32	21 03 30
morning set	13326 Jul 24 08:42	4° <b>Ω</b> 13'02		desc. Hode	13327 Jun 08 01:31 13327 Jun 25 06:34	0°95	
max. Earth dist.	13326 Jul 29 08:05		1.40871 AU	morning set	13327 Jul 23 00:34 13327 Jul 04 02:14	13° <b>©</b> 30'23	
max. Luttii dist.	15520 301 27 00.05	12 062/17	1.100/1 /10	max. Earth dist.	13327 Jul 04 02:14 13327 Jul 11 13:43	25°\$25'36	1.42973 AU
superior conj	13326 Aug 06 04:10	26° <b>Ω</b> 05'00	-1°14'54	man. Darm dist.	13327 Jul 11 13:43	0°Ω	1//3/110
minimum elong	13326 Aug 06 09:45	26° <b>Ω</b> 30'01			.552, Jul 17 00.40	~ UC	
	13326 Aug 08 08:12	0° m)		superior conj	13327 Jul 18 16:13	7° <b>Ω</b> 13'31	-1°46'21
asc. node	13326 Aug 15 01:27	12° m) 27'52		minimum elong	13327 Jul 18 23:23	7° <b>Ω</b> 43'59	
		-4-7-22				. 00.00	2 <del>2</del> 2

	12227 1 1 20 00 12	270 0 42126			12220 1 1 11 15 16	00 0 42145	
evening rise	13327 Jul 30 09:12	27° <b>Ω</b> 43′26		evening rise	13328 Jul 11 15:16	9° <b>Ω</b> 43'45	
	13327 Jul 31 15:45	0° <b>m</b> )		asc. node	13328 Jul 18 18:51	21° <b>Ω</b> 48′03	
asc. node	13327 Aug 01 22:07	2° m/ 15'25			13328 Jul 23 23:44	0° <b>m</b>	
evening max el	13327 Aug 15 19:11	23° <b>m</b> 25'56	18°04'03	evening max el	13328 Jul 29 09:27	6° Mp 47′00	18°06'40
retrograde	13327 Aug 22 12:14	26° <b>m</b> 52'40		retrograde	13328 Aug 04 18:35	10° Mp 07'28	
evening set	13327 Aug 24 22:02	26° Mp 26'03		evening set	13328 Aug 07 12:38	9° <b>m</b> )28'15	
inferior conj	13327 Aug 31 17:31	21° <b>m</b> )27'44	0°58'15	inferior conj	13328 Aug 13 17:41	4° Mp 11'56	1°59'09
minimum elong	13327 Aug 31 19:12	21° <b>m</b> ) 23'42	0°57'23	minimum elong	13328 Aug 13 20:11	4° <b>™</b> 05'09	1°57'53
desc. node	13327 Sep 03 23:18	18° <b>m</b> ) 23'51		min. Earth dist.	13328 Aug 16 11:24	1° Mp 15'23	0.62955 AU
min. Earth dist.	13327 Sep 03 21:29	18° <b>m</b> , 27′57	0.60704 AU		13328 Aug 17 17:34	$30^\circ$ R $\Omega$	
morning rise	13327 Sep 07 13:27	15° <b>m</b> 34'11		morning rise	13328 Aug 20 01:42	27° <b>Ω</b> 59'40	
direct	13327 Sep 14 03:47	13° <b>m</b> 25'03		desc. node	13328 Aug 20 20:49	27° <b>Ω</b> 26′05	
morning max el	13327 Sep 28 10:15	21° <b>m</b> 20'04	27°55'31	direct	13328 Aug 26 17:47	25° <b>Ω</b> 30'45	
	13327 Oct 05 23:34	0∘ <b>亚</b>			13328 Sep 05 20:22	0° <b>m</b> y	
	13327 Oct 24 20:08	0° <b>M</b> ₊		morning max el	13328 Sep 09 18:17	3° <b>m</b> 32'47	27°51'58
asc. node	13327 Oct 29 00:05	8° <b>M</b> .07'19			13328 Sep 29 12:31	0∘ <b>⊽</b>	
morning set	13327 Oct 31 07:38	12°M52'04		morning set	13328 Oct 14 04:42	26° <b>₽</b> 41'30	
max. Earth dist.	13327 Nov 06 05:23	25°M35'33	1.31384 AU	asc. node	13328 Oct 14 20:44	28° <b>ഫ</b> 02'56	
					13328 Oct 15 19:33	0°M	
superior conj	13327 Nov 07 12:54	28°M30'09	1°20'04	max. Earth dist.	13328 Oct 19 08:06	7°M25'19	1.32078 AU
minimum elong	13327 Nov 07 10:48	28°M18'33	1°20'39				
mmmum viong	13327 Nov 08 05:03	0° <b>∡</b> 7	1 2000	superior conj	13328 Oct 21 21:07	12°M55'40	1°02'49
evening rise	13327 Nov 14 05:42	13° <b>×</b> 717'37		minimum elong	13328 Oct 21 21:07	12°M43'17	1°03'05
evening rise	13327 Nov 22 12:13	0°중		evening rise	13328 Oct 28 16:45	27°M50'13	1 03 03
desc. node	13327 Nov 22 12:13 13327 Nov 30 19:59	13°る53'30		evening rise	13328 Oct 28 16:49 13328 Oct 29 16:59	0° <b>√</b>	
	13327 Nov 30 19:39 13327 Dec 11 07:27	15 <b>さ</b> 33 30 26° <b>そ</b> 41'45	25026147		13328 Oct 29 10:39 13328 Nov 15 17:14	0° <b>云</b>	
evening max el	13327 Dec 11 07.27 13327 Dec 15 06:28	20 <b>3</b> 41 43 0° <b>≈</b>	23 2047	desc. node		0 3 1°る17'20	
. 1					13328 Nov 16 17:10		22040150
retrograde	13327 Dec 25 04:04	3°≈40'12		evening max el	13328 Nov 21 18:17	6° <b>る</b> 54'52	23°49'59
evening set	13327 Dec 31 02:01	2°≈20'18		retrograde	13328 Dec 05 07:08	13° <b>る</b> 39'25	
	13328 Jan 04 07:57	30°Ŗる		evening set	13328 Dec 10 01:05	12°る50'15	
min. Earth dist.	13328 Jan 04 19:41	29° <b>る</b> 41'00	0.57139 AU	min. Earth dist.	13328 Dec 16 05:06	9° <b>る</b> 50'07	
inferior conj	13328 Jan 07 15:55	27° <b>ろ</b> 46'08		inferior conj	13328 Dec 18 03:27	8° <b>る</b> 40'54	
minimum elong	13328 Jan 08 00:33	27° <b>る</b> 31'34	4°53'50	minimum elong	13328 Dec 18 07:51	8° <b>る</b> 34'19	5°46'38
morning rise	13328 Jan 16 01:36	23° <b>る</b> 31'50		morning rise	13328 Dec 26 16:29	4° <b>る</b> 45'37	
direct	13328 Jan 18 05:43	23° <b>る</b> 17'44		direct	13328 Dec 29 07:44	4° <b>る</b> 28′13	
asc. node	13328 Jan 24 23:31	25° <b>る</b> 43'53		morning max el	13329 Jan 08 21:06	9° <b>ප</b> 31'21	20°09'30
morning max el	13328 Jan 27 06:37	27° <b>る</b> 41'04	19°01'15	asc. node	13329 Jan 10 20:46	11° <b>る</b> 36'00	
	13328 Jan 29 10:04	0° <b>≈</b>			13329 Jan 22 13:33	0° <b>≈</b>	
morning set	13328 Feb 12 19:37	24° <b>≈</b> 21'12		morning set	13329 Jan 27 01:22	8° <b>≈</b> 57'22	
	13328 Feb 15 16:10	0° <b>∀</b>					
				superior conj	13329 Feb 03 17:33	24° <b>≈</b> 38′03	1°08'10
superior conj	13328 Feb 21 05:37	10° <b>¥</b> 50′18	0°44'24	minimum elong	13329 Feb 03 20:17	24° <b>≈</b> 51'47	1°08'29
minimum elong	13328 Feb 21 08:08	11° <b>)</b> 02′21	0°44'27		13329 Feb 06 10:31	0° <b>)</b> €	
desc. node	13328 Feb 26 20:42	21° <b>)</b> 19′08		max. Earth dist.	13329 Feb 09 11:14	5° <b>)</b> 49′55	1.36755 AU
max. Earth dist.	13328 Feb 28 04:37	23° <b>)</b> 42′34	1.38976 AU	desc. node	13329 Feb 12 17:15	11° <b>¥</b> 51'52	
	13328 Mar 02 18:48	$0^{\circ}\mathbf{\Upsilon}$		evening rise	13329 Feb 13 05:42	12° <b>) (</b> 48′22	
evening rise	13328 Mar 03 00:07	0° <b>Y</b> ′22'49			13329 Feb 23 08:09	$0^{\circ}\mathbf{\Upsilon}$	
	13328 Mar 21 23:54	0°B			13329 Mar 17 00:50	0°B	
evening max el	13328 Apr 07 04:27	20° <b>8</b> 03'02	24°30'12	evening max el	13329 Mar 20 17:50	3° <b>8</b> 54'28	25°44'03
retrograde	13328 Apr 18 16:59	26° <b>8</b> 47'39		retrograde	13329 Apr 02 05:02	11° <b>8</b> 05'04	
asc. node	13328 Apr 21 20:06	26° <b>8</b> 04'16		evening set	13329 Apr 08 05:15	8° <b>8</b> 36'35	
evening set	13328 Apr 24 05:55	24° <b>8</b> 27'46		asc. node	13329 Apr 08 17:31	8° <b>8</b> 09'49	
min. Earth dist.	13328 Apr 28 19:09	19° <b>8</b> 15'51	0.68414 AU	min. Earth dist.	13329 Apr 12 11:36	4° <b>8</b> 00'02	0.67518 AU
inferior conj	13328 Apr 29 18:30	17° <b>8</b> 57'39	2°14'23	inferior conj	13329 Apr 13 23:20	2°806'30	1°34'31
minimum elong	13328 Apr 29 16:21	18° <b>8</b> 04'53		minimum elong	13329 Apr 13 21:22	2° <b>8</b> 12'44	1°33'25
morning rise	13328 May 05 02:58	11° <b>8</b> 58'32	2 13 03	minimum ciong	13329 Apr 15 16:06	2 O12 44 30°RΥ	1 33 23
direct	13328 May 08 23:25	10° <b>8</b> 33'41		morning rise	13329 Apr 19 14:05	26° <b>Υ</b> 16'47	
morning max el	13328 May 16 10:55	14° <b>8</b> 43'43	19°52'04	direct	13329 Apr 19 14.03 13329 Apr 22 23:05	25° <b>Y</b> 11'35	
•	•	_	19 32 04		•	28° <b>Y</b> 51'51	10055127
desc. node	13328 May 24 22:44	25° <b>႘</b> 07'00		morning max el	13329 Apr 29 17:49		18°55'27
	13328 May 28 09:36	0°Ⅱ 22°Ⅲ11122		4 1	13329 Apr 30 20:21	0°8	
morning set	13328 Jun 12 04:28	22° <b>I</b> I11'22		desc. node	13329 May 11 19:30	14° <b>8</b> 48'37	0.0
P 4 5	13328 Jun 17 05:39	0°©	1 44500 177	greatest brilliancy	13329 May 13 05:13	16° <b>8</b> 55'50	-0.8m
max. Earth dist.	13328 Jun 23 01:50	9° <b>©</b> 10'44	1.44593 AU		13329 May 21 17:03	0°II	
	10000 7			morning set	13329 May 22 11:40	1° <b>Ⅱ</b> 12'08	
superior conj	13328 Jun 28 04:29	17° <b>©</b> 21'55		max. Earth dist.	13329 Jun 05 18:44	23° <b>Ⅱ</b> 27'23	1.45573 AU
minimum elong	13328 Jun 28 09:29	17° <b>©</b> 42'08	2°08'48				
	13328 Jul 05 20:52	$0^{\circ}\Omega$		superior conj	13329 Jun 07 20:11	26° <b>Ⅱ</b> 41'12	-2°12'56

minimum elong	13329 Jun 07 18:14	26° <b>∏</b> 33'34	2°13'56	evening rise	13330 Jun 03 04:29	0°544'51	
· ·	13329 Jun 09 22:44	0° <b>©</b>		greatest brilliancy	13330 Jun 14 03:03	17° <b>©</b> 41'31	-0.8m
evening rise	13329 Jun 22 21:56	20°543'27		asc. node	13330 Jun 22 12:36	29° <b>©</b> 41'55	
•	13329 Jun 28 15:26	$0^{\circ}\Omega$			13330 Jun 22 18:17	$0^{\circ}\Omega$	
asc. node	13329 Jul 05 15:40	10° <b>Q</b> 59'21		evening max el	13330 Jun 26 09:00	4° <b>Ω</b> 08'10	19°05'25
evening max el	13329 Jul 12 22:55	20° <b>£</b> 23′15	18°27'25	retrograde	13330 Jul 03 05:33	7° <b>Ω</b> 55'47	
retrograde	13329 Jul 19 09:30	23° <b>Q</b> 50'49		evening set	13330 Jul 06 17:14	6° <b>Ω</b> 45′18	
evening set	13329 Jul 22 12:08	22° <b>Ω</b> 56'43		inferior conj	13330 Jul 12 04:30	0° <b>Ω</b> 58′24	3°03'02
inferior conj	13329 Jul 28 06:31	17° <b>Ω</b> 24'23	2°39'38	minimum elong	13330 Jul 12 05:49	0° <b>Ω</b> 54'09	3°01'57
minimum elong	13329 Jul 28 08:42	17° <b>Ω</b> 17'50	2°38'24		13330 Jul 12 22:37	30° <b>ℝ</b> ∽	
min. Earth dist.	13329 Jul 30 10:37	14° <b>Ω</b> 49'26	0.64986 AU	min. Earth dist.	13330 Jul 13 17:59	28° <b>9</b> 58'06	0.66654 AU
morning rise	13329 Aug 03 04:03	11° <b>Ω</b> 02'51		morning rise	13330 Jul 17 17:45	24° <b>5</b> 34'24	
desc. node	13329 Aug 07 18:16	8° <b>Ω</b> 36'44		direct	13330 Jul 23 22:04	21° <b>©</b> 54'40	
direct	13329 Aug 09 16:26	8° <b>Ω</b> 23'28		desc. node	13330 Jul 25 15:38	22° <b>©</b> 05'42	
morning max el	13329 Aug 23 04:54	16° <b>Ω</b> 20'04	27°13'51	morning max el	13330 Aug 05 15:50	29° <b>©</b> 30'39	26°09'09
	13329 Sep 03 12:15	0° <b>m</b>			13330 Aug 06 03:18	$0^{\circ}\Omega$	
	13329 Sep 22 08:03	0∘ <b>⊽</b>			13330 Aug 28 09:00	0° <b>m</b>	
morning set	13329 Sep 27 16:18	10° <b>ഫ</b> 02'11		morning set	13330 Sep 10 15:10	22° Mp 46'23	
asc. node	13329 Oct 01 17:20	18° <b>≏</b> 05'44			13330 Sep 14 10:34	0∘ <b>⊽</b>	
max. Earth dist.	13329 Oct 02 02:19	18° <b>≏</b> 51'42	1.33313 AU	max. Earth dist.	13330 Sep 14 10:32	29° <b>m</b> 59'49	1.35059 AU
				asc. node	13330 Sep 18 13:54	8° <b>≏</b> 12'05	
superior conj	13329 Oct 06 00:33	27° <b>≏</b> 03'48	0°40'03				
minimum elong	13329 Oct 05 22:41	26° <b>≏</b> 53'59	0°40'03	superior conj	13330 Sep 19 20:41	10° <b>≏</b> 48'34	0°12'07
	13329 Oct 07 09:36	0° <b>M</b>		minimum elong	13330 Sep 19 20:00	10° <b>≏</b> 45'05	0°12'03
evening rise	13329 Oct 13 03:29	12° <b>™</b> 19'27		behind sun begin	13330 Sep 19 15:59	10° <b>≏</b> 24'33	
	13329 Oct 22 01:46	0° <b>∡</b> ¹		behind sun end	13330 Sep 20 00:01	11° <b>≏</b> 05'39	
evening max el	13329 Nov 03 05:37	16° <b>₹</b> ¹56′15	22°08'22	evening rise	13330 Sep 27 12:00	26° <b>≏</b> 40'46	
desc. node	13329 Nov 03 14:28	17° <b>∡</b> 17'35			13330 Sep 29 02:38	$0^{\circ}$ M	
retrograde	13329 Nov 15 22:12	23° <b>∡</b> 13'48		evening max el	13330 Oct 16 02:46	27° <b>M</b> 22'48	20°37'54
evening set	13329 Nov 19 06:18	22° <b>⋌</b> ¹49'08			13330 Oct 19 03:43	0° <b>∡</b>	
inferior conj	13329 Nov 27 23:08	18° <b>⋌</b> '53'52		desc. node	13330 Oct 21 11:51	1° <b>∡</b> ′27′38	
minimum elong	13329 Nov 27 18:47		5°48'27	retrograde	13330 Oct 27 08:42	2° <b>×</b> 758'09	
min. Earth dist.	13329 Nov 27 11:38	19° <b>√</b> 10'01	0.54619 AU	evening set	13330 Oct 29 15:16	2° <b>₹</b> 45'29	
morning rise	13329 Dec 06 08:22	15° <b>х</b> 06'39			13330 Nov 05 14:06	30°₹M.	1051156
direct	13329 Dec 09 18:59	14° 🗷 40'17	21040104	inferior conj	13330 Nov 07 14:54	28°M50'52	
morning max el	13329 Dec 21 21:05	20° <b>₹</b> 27'06	21°40'04	minimum elong	13330 Nov 07 04:58	29°M05'09	4°48'38
asc. node	13329 Dec 28 17:55	28° <b>∡</b> 39'51		min. Earth dist.	13330 Nov 08 18:14	28°M11'30	0.54631 AU
	13329 Dec 29 15:46	0°궁 23°중41'43		morning rise	13330 Nov 15 18:31	24°M.53'33	
morning set	13330 Jan 11 11:09			direct	13330 Nov 20 03:27	24°M12'32	
	13330 Jan 14 10:43	0° <b>≈</b>			13330 Dec 02 16:40	0° ⊀ <sup>7</sup> 0° ⊀ <sup>7</sup> 39'25	22826118
	12220 I 10 15:25	000 05 1157	1924140	morning max el	13330 Dec 03 09:48		23°26'18
superior conj	13330 Jan 18 15:25 13330 Jan 18 17:35	8°≈51'57	1°24'49	asc. node	13330 Dec 15 14:58	16°♂38'59 0°る	
minimum elong max. Earth dist.	13330 Jan 18 17:35 13330 Jan 22 22:47	9°≈03'14 17°≈42'05	1°25'28 1.34763 AU	morning set	13330 Dec 22 21:01 13330 Dec 26 22:48	0°5 8° <b>る</b> 27'37	
	13330 Jan 22 22.47 13330 Jan 27 03:34	17 ≈42 03 25°≈54'48	1.54/05 AU	morning set	13330 Dec 20 22.48	8 02/3/	
evening rise	13330 Jan 27 03.34 13330 Jan 29 07:52	23 <b>≈</b> 3448 0° <b>∺</b>		avmariar aani	13331 Jan 02 20:06	23° <b>る</b> 22'28	1°34'42
desc. node	13330 Jan 29 07.32 13330 Jan 30 13:51	0 K 2°₩17'18		superior conj minimum elong	13331 Jan 02 20:06 13331 Jan 02 21:17	23° <b>る</b> 22'28	1°35'37
desc. Hode	13330 Feb 16 18:32	2 <b>γ</b> (1/18 0° <b>γ</b>		minimum clong	13331 Jan 05 22:33	23 <b>O</b> 2649 0° <b>≈</b>	1 33 37
evening max el	13330 Mar 03 07:37	17° <b>Υ</b> '40'10	26°43'59	max. Earth dist.	13331 Jan 05 18:04	0 ~ 29° <b>ろ</b> 36'19	1.33154 AU
retrograde	13330 Mar 16 11:35	25° <b>Υ</b> '04'11	20 45 57	evening rise	13331 Jan 10 14:07	9°≈32'00	1.55154710
evening set	13330 Mar 10 11:33	23 <b>γ</b> 04 11 22° <b>γ</b> 32'02		desc. node	13331 Jan 17 10:32	22°≈30'06	
asc. node	13330 Mar 26 14:58	18° <b>Υ</b> '51'52		desc. node	13331 Jan 21 18:17	0° <b>∀</b>	
min. Earth dist.	13330 Mar 26 22:44	18° <b>Υ</b> 29'34	0.66214 AU		13331 Feb 12 16:58	0° <b>Υ</b>	
inferior conj	13330 Mar 28 22:43	16° <b>Υ</b> 07'57	0°43'51	evening max el	13331 Feb 12 10:56	1° <b>Υ</b> '08'56	27°22'36
minimum elong	13330 Mar 28 21:36	16° <b>Υ</b> 11'15	0°43'15	retrograde	13331 Feb 27 11:39	8° <b>Υ</b> 35'45	27 22 30
morning rise	13330 Apr 03 22:24	10° <b>Υ</b> 29'25	0 45 15	evening set	13331 Mar 06 05:53	6°Υ°05'52	
direct	13330 Apr 06 21:08	9° <b>Υ</b> 41'19		min. Earth dist.	13331 Mar 10 02:18		0.64542 AU
morning max el	13330 Apr 13 06:54	13° <b>Υ</b> '04'18	18°15'19	inferior conj	13331 Mar 12 14:04	29° <b>)</b> 54'53	
	13330 Apr 25 14:34	0°8	/	minimum elong	13331 Mar 12 14:36	29° <b>X</b> 53'26	
desc. node	13330 Apr 28 16:09	4° <b>8</b> 51'41		violig	13331 Mar 12 12:10	30° <b>₹</b>	
morning set	13330 May 02 18:26	11° <b>8</b> 24'34		asc. node	13331 Mar 13 12:25	28° <b>¥</b> 55'19	
	13330 May 14 11:34	0°Ⅱ		morning rise	13331 Mar 19 01:14	24° <b>)</b> 30'01	
	1 11.JT			direct	13331 Mar 21 15:06	23° <b>)</b> 55'46	
superior conj	13330 May 18 03:56	5° <b>Ⅱ</b> 46'23	-1°57'40	morning max el	13331 Mar 27 23:45	27° <b>)</b> 13'13	17°52'14
minimum elong	13330 May 17 19:38	5° <b>Ⅱ</b> 13'55			13331 Mar 30 11:46	0°Υ	
max. Earth dist.	13330 May 19 14:25	8° <b>I</b> 01'08	1.45826 AU	morning set	13331 Apr 14 05:36	22° <b>Y</b> ′59'40	
	13330 Jun 02 16:58	0° <b>©</b>		desc. node	13331 Apr 15 12:44	25°Υ°09'36	
					•		

	13331 Apr 18 10:35	0°B		superior conj minimum elong	13332 Apr 07 12:16 13332 Apr 07 07:41	26° <b>Υ</b> 01'21 25° <b>Υ</b> 42'14	-0°46'29 0°46'09
superior conj	13331 Apr 27 21:14	15° <b>8</b> 22'39	-1°25'57	· ·	13332 Apr 09 21:55	0°8	
minimum elong	13331 Apr 27 12:46	14° <b>8</b> 48'43	1°25'38	max. Earth dist.	13332 Apr 14 04:02	6° <b>8</b> 54'43	1.44140 AU
max. Earth dist.	13331 May 02 10:30	22° <b>8</b> 36'04	1.45331 AU	evening rise	13332 Apr 22 07:00	19° <b>8</b> 41'40	
	13331 May 07 04:01	$\Pi$ $^{\circ}0$		_	13332 Apr 29 01:31	$\Pi$ $^{\circ}0$	
evening rise	13331 May 13 18:29	10° <b>Ⅱ</b> 11′03			13332 May 20 21:16	$0$ $\circ$ $\odot$	
	13331 May 26 22:00	$0$ $\circ$ $\odot$		evening max el	13332 May 22 12:44	1° <b>5</b> 544'12	21°06'40
greatest brilliancy	13331 May 28 15:53	2° <b>©</b> 32'52	-0.6m	asc. node	13332 May 26 06:46	4° <b>9</b> 57'11	
asc. node	13331 Jun 09 09:38	17° <b>5</b> 45'23		retrograde	13332 May 31 02:58	6° <b>ॐ</b> 44'32	
evening max el	13331 Jun 09 13:50	17° <b>©</b> 55'59	19°59'20	evening set	13332 Jun 04 10:32	5° <b>5</b> 00'36	
retrograde	13331 Jun 17 04:05	22° <b>©</b> 15'30			13332 Jun 08 19:53	30°RⅡ	
evening set	13331 Jun 21 01:23	20°5548'07		inferior conj	13332 Jun 09 16:31	28° <b>∏</b> 48'40	3°09'41
inferior conj	13331 Jun 26 08:39	14° <b>©</b> 47'56	3°12'22	minimum elong	13332 Jun 09 15:49		3°08'36
minimum elong	13331 Jun 26 08:56	14° <b>©</b> 46'58	3°11'20	min. Earth dist.	13332 Jun 10 01:58	28° <b>Ⅱ</b> 15'52	0.68630 AU
min. Earth dist.	13331 Jun 27 07:45	13°929'50	0.67876 AU	morning rise	13332 Jun 14 20:53	22° <b>Ⅲ</b> 30'51	
morning rise	13331 Jul 01 16:08	8°\$25'43		direct	13332 Jun 20 01:49	20° <b>Ⅱ</b> 14'24	
direct	13331 Jul 07 09:31	5°954'26		desc. node	13332 Jun 28 10:07	24° <b>∏</b> 27′26	22010105
desc. node	13331 Jul 12 12:55	7°931'37	24947122	morning max el	13332 Jun 30 12:52	26° <b>Ⅱ</b> 27'54	23°18'05
morning max el	13331 Jul 19 02:14	12°955'02	24°47'22		13332 Jul 03 19:08	$0 _{\circ}$ ೮ $0 _{\circ}$ ತಾ	
	13331 Aug 01 21:19	0° <b>Ω</b> 0° <b>m</b>		marning sat	13332 Jul 25 10:36	0° <b>δ</b> ι 15° <b>Ω</b> 43'54	
morning set	13331 Aug 21 03:44 13331 Aug 23 21:10	ابات 4° Mp 44'15		morning set max. Earth dist.	13332 Aug 04 05:36 13332 Aug 08 08:59	13 <b>δ</b> (43 34 22°Ω46'39	1.39539 AU
max. Earth dist.	13331 Aug 23 21:10 13331 Aug 27 11:01	11°M)09'32	1.37201 AU	max. Earm dist.	13332 Aug 08 08.39 13332 Aug 12 11:16	0° Mp	1.39339 AU
max. Lattii dist.	15551 Aug 27 11.01	11 11/07 32	1.37201 AO		13332 Aug 12 11.10	עור ט	
superior conj	13331 Sep 03 06:25	24° Mp 02'12	-0°20'09	superior conj	13332 Aug 16 01:51	6° Mp 34′40	-0°54'56
minimum elong	13331 Sep 03 07:45	24°Mp08'41	0°20'07	minimum elong	13332 Aug 16 05:52	6° Mp 53′15	0°54'45
asc. node	13331 Sep 05 10:29	28° m 18'23		asc. node	13332 Aug 22 07:05	18° <b>m</b> 20′20	
	13331 Sep 06 06:56	0∘ <b>⊽</b>		evening rise	13332 Aug 25 12:25	24° Mp 33'16	
evening rise	13331 Sep 11 15:57	10° <b>≏</b> 48'13			13332 Aug 28 08:37	0∘ <b>ত</b>	
	13331 Sep 22 00:13	$0^{\circ}$ M		evening max el	13332 Sep 10 14:02	20° <b>ჲ</b> 35'59	18°38'43
evening max el	13331 Sep 28 14:04	8°M35'49	19°27'21	retrograde	13332 Sep 18 17:20	24° <b>≏</b> 41'53	
retrograde	13331 Oct 08 04:12	13°M23'30		evening set	13332 Sep 20 15:48	24° <b>≏</b> 28'44	
desc. node	13331 Oct 08 09:19	13°M23'22		desc. node	13332 Sep 24 06:50	23° <b>≏</b> 01'06	
evening set	13331 Oct 10 01:00	13°M13'23		inferior conj	13332 Sep 28 15:41	20° <b>Ω</b> 02'53	
inferior conj	13331 Oct 18 17:22	9°M06'35		minimum elong	13332 Sep 28 12:19	20° <b>Ω</b> 09'14	
minimum elong	13331 Oct 18 09:10	9° <b>™</b> 19'47		min. Earth dist.	13332 Oct 01 19:33	17° <b>≏</b> 41'01	0.57247 AU
min. Earth dist.	13331 Oct 21 03:58	7°M32'18	0.55565 AU	morning rise	13332 Oct 06 05:23	14° <b>£</b> 58′28	
morning rise	13331 Oct 26 15:12	4°M40'00		direct	13332 Oct 12 03:51	13° <b>Ω</b> 31'09	26942146
direct	13331 Oct 31 20:32	3°M38'45 10°M39'27	25012122	morning max el	13332 Oct 26 10:37	20° <b>£</b> 59'20 0° <b>IL</b>	26°42'46
morning max el	13331 Nov 14 19:50 13331 Nov 29 10:33	10 11€3927 0° <b>√</b> 1	23 13 23	asc. node	13332 Nov 03 06:39 13332 Nov 18 08:50	24°M31'23	
asc. node	13331 Nov 29 10.33 13331 Dec 02 11:57	5° <b>∡</b> 19'58		asc. Houe	13332 Nov 18 08:30 13332 Nov 21 03:29	24 11631 23 0° <b>√</b>	
morning set	13331 Dec 02 11:37 13331 Dec 11 10:34	23° <b>₹</b> 10′24		morning set	13332 Nov 24 20:38	7° <b>∡</b> 144'29	
morning set	13331 Dec 14 13:45	0°る		morning set	15552 1101 24 20.50	/ / 112)	
	13331 200 11 13.10	, <b>C</b>		superior conj	13332 Dec 01 16:24	22° <b>х</b> 46′16	1°35'45
superior conj	13331 Dec 18 05:09	8° <b>る</b> 02'52	1°38'14	minimum elong	13332 Dec 01 15:27	22° <b>х</b> 40′54	1°36'43
minimum elong	13331 Dec 18 05:13	8° <b>ප</b> 03'17	1°39'16	max. Earth dist.	13332 Dec 02 03:49	23° <b>х</b> ⁴49'52	1.31358 AU
max. Earth dist.	13331 Dec 19 20:40	11° <b>る</b> 40'04	1.32008 AU		13332 Dec 04 22:34	ರ°0	
evening rise	13331 Dec 25 10:17	23° <b>る</b> 32'35		evening rise	13332 Dec 08 13:21	7° <b>る</b> 49'07	
	13331 Dec 28 15:10	0° <b>≈</b>			13332 Dec 20 01:46	0° <b>≈</b>	
desc. node	13332 Jan 04 07:22	12° <b>≈</b> 24'38		desc. node	13332 Dec 21 04:17	1° <b>≈</b> 52'44	
	13332 Jan 15 11:05	0° <b>∀</b>		evening max el	13333 Jan 08 13:49	26° <b>≈</b> 24'13	27°10'26
evening max el	13332 Jan 27 07:52	14° <b>)</b> 07'49	27°33'04		13333 Jan 12 21:23	0° <b>∀</b>	
retrograde	13332 Feb 10 04:22	21° <b>)</b> 30'39		retrograde	13333 Jan 22 12:53	3° <b>¥</b> 39'18	
evening set	13332 Feb 17 02:27	19° <b>∺</b> 10'14		evening set	13333 Jan 29 08:28	1° <b>)</b> 36′44	
min. Earth dist.	13332 Feb 20 20:29	16° <b>)</b> €07'22			13333 Jan 31 18:07	30°R≈	0.60445.55
inferior conj	13332 Feb 23 18:25	13° <b>)</b> € 19'43		min. Earth dist.	13333 Feb 02 04:17	28°≈53'21	0.60415 AU
minimum elong	13332 Feb 23 21:29	13° <b>)</b> 12′20	1°29'11	inferior conj	13333 Feb 05 08:18	26°≈13'18	
asc. node	13332 Feb 28 09:51	9° <b>)</b> €23'58		minimum elong	13333 Feb 05 14:28	26°≈00'17	2~48′58
morning rise	13332 Mar 01 19:11	8° <b>升</b> 11'30 7° <b>升</b> 47'36		morning rise	13333 Feb 12 23:35	21°≈24'41	
direct morning max el	13332 Mar 04 01:50 13332 Mar 10 17:24	11° <b>H</b> 10'24	17°46'42	asc. node direct	13333 Feb 14 07:17 13333 Feb 15 01:28	21°≈09'50 21°≈07'31	
morning max ci	13332 Mar 23 10:28	11 <del>Κ</del> 1024 0° <b>Υ</b>	1/ 7072	morning max el	13333 Feb 13 01.28 13333 Feb 22 08:28	21 ≈0731 24°≈46'16	17°59'37
morning set	13332 Mar 26 16:57	5° <b>Υ</b> '43'20		morning max or	13333 Feb 26 15:48	0° <b>)</b> €	1, 3,31
desc. node	13332 Apr 01 09:17	15° <b>Υ</b> 37'44		morning set	13333 Mar 09 22:17	19° <b>)</b> 16'43	
<del></del>	r	. = / . !		5	13333 Mar 15 18:43	0°Υ	

desc. node	13333 Mar 19 05:50	6° <b>Ƴ</b> 11'58		asc. node	13334 Feb 01 04:40	4° <b>≈</b> 35'32	
				morning max el	13334 Feb 05 17:05	7° <b>≈</b> 49'45	18°32'30
superior conj	13333 Mar 20 03:28	7° <b>Y</b> 47'20	-0°07'09		13334 Feb 19 21:43	0° <b>∀</b>	
minimum elong	13333 Mar 20 02:51	7° <b>Y</b> 44'39	0°07'05	morning set	13334 Feb 21 16:10	3° <b>¥</b> 23'32	
behind sun begin	13333 Mar 19 19:39	7° <b>Y</b> 12'56					
behind sun end	13333 Mar 20 10:04	8° <b>Y</b> 16'19		superior conj	13334 Mar 02 15:35	20° <b>∺</b> 30′20	0°27'29
max. Earth dist.	13333 Mar 27 16:54	20° <b>Y</b> 41'22	1.42384 AU	minimum elong	13334 Mar 02 17:26	20° <b>)</b> 38′53	0°27'27
evening rise	13333 Apr 02 08:29	29° <b>Y</b> 51'36		desc. node	13334 Mar 06 02:20	26° <b>¥</b> 48′20	
	13333 Apr 02 10:35	$0^{\circ}S$			13334 Mar 07 21:18	$0^{\circ}$ Y	
	13333 Apr 22 14:50	$\Pi$ °0		max. Earth dist.	13334 Mar 10 01:15	3° <b>Y</b> 47'17	1.40265 AU
evening max el	13333 May 05 06:35	15° <b>Ⅲ</b> 33'29	22°23'32	evening rise	13334 Mar 14 06:14	10° <b>Y</b> ′56′01	
asc. node	13333 May 13 03:58	21° <b>I</b> I02'04			13334 Mar 26 08:13	0°8	
retrograde	13333 May 15 00:28	21° <b>Ⅱ</b> 17'53		evening max el	13334 Apr 17 21:19	. •	23°44'32
evening set	13333 May 19 19:00	19° <b>Ⅱ</b> 18'33			13334 Apr 18 11:45	0°Щ	
inferior conj	13333 May 25 02:02	12° <b>Ⅱ</b> 57'07	2°56'15	retrograde	13334 Apr 28 19:04	5° <b>Ⅱ</b> 49'28	
minimum elong	13333 May 25 00:32	13° <b>Ⅱ</b> 02'23	2°55'04	asc. node	13334 Apr 30 01:16	5° <b>Ⅱ</b> 42'18	
min. Earth dist.	13333 May 24 22:31	13° <b>Ⅱ</b> 09'24 6° <b>Ⅱ</b> 45'23	0.68908 AU	evening set	13334 May 04 01:09	3° <b>I</b> I36'33	
morning rise	13333 May 30 05:54 13333 Jun 03 22:00	6°Щ45′23 4°Щ47′45		: <i>c</i> :	13334 May 07 08:14	30°R <b>と</b> 27° <b>と</b> 08'37	2022127
direct	13333 Jun 03 22:00 13333 Jun 13 02:11	4°Щ4/43 10°Щ09'10	21950/25	inferior conj	13334 May 09 11:14 13334 May 09 09:12	27° <b>8</b> 15'34	2°32′36 2°31′20
morning max el desc. node	13333 Jun 15 07:12	10 <b>Д</b> 09 10 12° <b>Д</b> 29'55	21 30 23	minimum elong min. Earth dist.	13334 May 08 19:09	28° <b>8</b> 03'40	0.68723 AU
desc. Hode	13333 Jun 28 15:32	0°95		morning rise	13334 May 14 17:14	21° <b>8</b> 04'22	0.08723 AU
morning set	13333 Jul 15 13:06	25° <b>©</b> 37'56		direct	13334 May 18 20:45	19° <b>8</b> 27'22	
morning set	13333 Jul 18 06:14	0°Ω		morning max el	13334 May 26 21:13	24° <b>8</b> 00'31	20°31'30
max. Earth dist.	13333 Jul 21 10:21		1.41806 AU	morning max cr	13334 Jun 01 03:01	0°Ⅱ	20 31 30
max. Dartii dist.	15555 741 21 10.21	5 0012 10	1.11000710	desc. node	13334 Jun 02 04:08	1° <b>Ⅱ</b> 20′25	
superior conj	13333 Jul 29 02:38	18° <b>Ω</b> 16'52	-1°28'59	dese. Hode	13334 Jun 21 22:58	0°95	
minimum elong	13333 Jul 29 09:10	18° <b>Ω</b> 45'29		morning set	13334 Jun 24 22:09	4° <b>9</b> 33'55	
	13333 Aug 04 15:55	0° m)		max. Earth dist.	13334 Jul 03 18:29	18° <b>©</b> 30'29	1.43734 AU
evening rise	13333 Aug 08 21:43	7° m) 46'52					
asc. node	13333 Aug 09 03:44	8° m) 14'34		superior conj	13334 Jul 10 04:42	29° <b>©</b> 00'00	-1°57'08
	13333 Aug 22 02:53	0∘ <u>⊽</u>		minimum elong	13334 Jul 10 11:34	29° <b>©</b> 28'31	1°57'34
evening max el	13333 Aug 24 22:46	3° <b>≏</b> 15'48	18°11'01	_	13334 Jul 10 19:08	$0^{\circ}\Omega$	
retrograde	13333 Sep 01 01:07	6° <b>ჲ</b> 52'28		evening rise	13334 Jul 22 15:07	20° <b>Ω</b> 16'51	
evening set	13333 Sep 03 06:20	6° <b>ჲ</b> 31'52		asc. node	13334 Jul 27 00:25	27° <b>Ω</b> 56′14	
inferior conj	13333 Sep 10 11:42	1° <b>≏</b> 45'21	0°12'51		13334 Jul 28 05:09	0° <b>m</b> )	
minimum elong	13333 Sep 10 12:08	1° <b>≏</b> 44'24	0°12'36	evening max el	13334 Aug 08 12:07	16°M)24'39	18°02'55
transit middle	13333 Sep 10 12:08	1° <b>≏</b> 44'24	0°12'36	retrograde	13334 Aug 15 00:25	19° <b>m</b> 46'36	
transit begin	13333 Sep 10 10:00	1° <b>≏</b> 49'05		evening set	13334 Aug 17 13:48	19° <b>m</b> 14'53	
transit end	13333 Sep 10 14:16	1° <b>≏</b> 39'43		inferior conj	13334 Aug 24 02:42	14° <b>M</b> )08'51	1°26'44
desc. node	13333 Sep 11 04:21	1° <b>≏</b> 08'38		minimum elong	13334 Aug 24 04:56	14° <b>m</b> 03'14	1°25'37
	13333 Sep 12 11:30	30°Ŗ <b>᠓</b>		min. Earth dist.	13334 Aug 27 03:02	11° <b>m</b> )07'53	0.61686 AU
min. Earth dist.	13333 Sep 13 18:51	28° m 52'56	0.59394 AU	desc. node	13334 Aug 29 01:51	9° <b>m</b> 22'14	
morning rise	13333 Sep 17 14:32	26° Mp 07'06		morning rise	13334 Aug 30 17:31	8° Mp 06'20	
direct	13333 Sep 24 01:06	24° TQ 11'58		direct	13334 Sep 06 09:35	5° Mp 47'34	27050120
	13333 Oct 06 05:13	0∘ <b>⊽</b>	27920152	morning max el	13334 Sep 20 13:47 13334 Oct 03 15:03	13° Mp 46'27	27°58'29
morning max el	13333 Oct 08 08:52	1° <b>≏</b> 59'48	21-39-32			0∘ <b>m</b>	
asc. node	13333 Oct 28 16:08 13333 Nov 05 05:38	0°ጤ 14°ጤ04'59		asc. node	13334 Oct 21 03:31 13334 Oct 23 02:21	0°ጤ 3°ጤ54'12	
morning set	13333 Nov 09 03:16	22°M <sub>05</sub> '17		morning set	13334 Oct 24 04:29	6°M07'47	
morning set	13333 Nov 12 19:20	0° <b>√</b>		max. Earth dist.	13334 Oct 24 04.29 13334 Oct 29 18:04	17°M58'42	1.31614 AU
max. Earth dist.	13333 Nov 15 12:10	5° <b>×</b> 759'03	1.31223 AU	max. Latur dist.	13334 OCt 27 10.04	17 11030 42	1.51014 AC
max. Dartii dist.	13333 1.07 13 12.10	5 <b>X</b> 57 05	1.51225710	superior conj	13334 Oct 31 13:59	22°ML00'07	1°13'27
superior conj	13333 Nov 16 03:58	7° <b>∡</b> °27'07	1°27'27	minimum elong	13334 Oct 31 11:45		1°13'53
minimum elong	13333 Nov 16 02:11	7°×7'17'13	1°28'11	g	13334 Nov 04 04:42	0° <b>∡</b> 7	1 15 55
evening rise	13333 Nov 22 21:03	22° <b>∡</b> 16'11		evening rise	13334 Nov 07 07:26	6° <b>∡</b> ¹48'37	
<b>5</b> -	13333 Nov 26 13:39	0°ප		<b>U</b> -	13334 Nov 19 05:53	0°ჳ	
desc. node	13333 Dec 08 01:18	20° <b>⋜</b> 44'18		desc. node	13334 Nov 24 22:25	8° <b>⋜</b> 45'37	
	13333 Dec 14 12:52	0° <b>≈</b>		evening max el	13334 Dec 03 03:12	18° <b>පි</b> 26'36	24°47'27
evening max el	13333 Dec 21 12:34	7° <b>≈</b> 50'10	26°13'24	retrograde	13334 Dec 16 21:33	25° <b>る</b> 19'21	
retrograde	13334 Jan 04 11:23	14° <b>≈</b> 55′04		evening set	13334 Dec 22 08:46	24° <b>る</b> 13'01	
evening set	13334 Jan 10 19:56	13° <b>≈</b> 18′20		min. Earth dist.	13334 Dec 27 15:03	21° <b>る</b> 27'07	0.56380 AU
min. Earth dist.	13334 Jan 15 01:57	10° <b>≈</b> 41'54	0.58267 AU	inferior conj	13334 Dec 30 03:32	19° <b>る</b> 50'48	-5°23'12
inferior conj	13334 Jan 18 04:10	8° <b>≈</b> 26'11	-4°14'19	minimum elong	13334 Dec 30 11:07	19° <b>る</b> 38'41	5°20'50
minimum elong	13334 Jan 18 12:43	8° <b>≈</b> 10′29	4°10'52	morning rise	13335 Jan 07 15:36	15° <b>る</b> 44'56	
morning rise	13334 Jan 26 08:27	3° <b>≈</b> 58'59		direct	13335 Jan 09 23:25	15° <b>る</b> 29'57	
direct	13334 Jan 28 09:44	3° <b>≈</b> 44'56		asc. node	13335 Jan 19 01:59	19° <b>る</b> 38'39	

morning max el	13335 Jan 19 15:12 13335 Jan 27 03:47	20° <b>ට</b> 09'43 0°≈	19°27'23	direct	13335 Dec 21 18:22 13335 Dec 31 03:35	26°∤715'11 0°පි	
morning set	13335 Feb 05 18:33	17° <b>≈</b> 52'22 0° <b>}</b> €		morning max el	13336 Jan 01 23:26	1°ප36'14 6°ප03'15	20°45'31
	13335 Feb 11 19:44	υ· <b>π</b>		asc. node	13336 Jan 05 23:12 13336 Jan 19 20:33	0° <b>≈</b>	
superior conj	13335 Feb 13 20:08		0°55'22	morning set	13336 Jan 21 02:19	2° <b>≈</b> 33'02	
minimum elong max. Earth dist.	13335 Feb 13 22:53 13335 Feb 20 07:44	4° <b>)</b> 11'43 16° <b>)</b> 14'46	0°55'30 1.38018 AU	superior conj	13336 Jan 28 12:44	17° <b>≈</b> 58'21	1°16'05
desc. node	13335 Feb 20 07:44 13335 Feb 20 22:51	17° <b>)</b> 23'42	1.50010 AC	minimum elong	13336 Jan 28 15:18	17 <b>≈</b> 3821 18° <b>≈</b> 11'28	1°16'32
evening rise	13335 Feb 24 01:00	22° <b>)</b> 54'36		max. Earth dist.	13336 Feb 02 16:17	28° <b>≈</b> 14'36	1.35872 AU
-	13335 Feb 28 04:15	$0^{\circ}$ Y			13336 Feb 03 14:08	0° <b>)</b> €	
	13335 Mar 20 03:51	$0^{\circ}$ 8		evening rise	13336 Feb 06 13:56	5° <b>)</b> 38′23	
evening max el	13335 Mar 31 10:57		25°02'55	desc. node	13336 Feb 07 19:26	7° <b>¥</b> 53'40	
retrograde	13335 Apr 12 09:37	20° <b>8</b> 14'00			13336 Feb 21 00:27	0° <b>Υ</b>	
asc. node	13335 Apr 16 22:38	18° <b>8</b> 45'01		evening max el	13336 Mar 13 00:31	27° <b>℃</b> 07'15	26°11'37
evening set min. Earth dist.	13335 Apr 18 03:26 13335 Apr 22 13:41	17° <b>8</b> 50'10	0.68088 AU	retrograde	13336 Mar 16 05:21 13336 Mar 25 19:15	0° <b>と</b> 4° <b>と</b> 24'25	
inferior conj	13335 Apr 22 13:41 13335 Apr 23 18:14	11° <b>8</b> 19'39	1°58'47	evening set	13336 Mai 23 19.13 13336 Apr 01 00:10	1° <b>8</b> 53'33	
minimum elong	13335 Apr 23 16:05	11° <b>8</b> 26'42	1°57'32	asc. node	13336 Apr 02 20:03	0° <b>8</b> 11'01	
morning rise	13335 Apr 29 05:01	5° <b>8</b> 24'16			13336 Apr 03 00:15	30° <b>R</b> ♈	
direct	13335 May 02 20:35	4° <b>8</b> 07'47		min. Earth dist.	13336 Apr 05 03:58	27° <b>Y</b> ′31'58	0.67017 AU
morning max el	13335 May 09 23:49	8° <b>8</b> 03'16	19°26'01	inferior conj	13336 Apr 06 21:00	25° <b>Y</b> °25′28	1°14'23
desc. node	13335 May 20 00:58	20° <b>8</b> 46'10		minimum elong	13336 Apr 06 19:18	25° <b>Ƴ</b> 30'42	1°13'27
greatest brilliancy	13335 May 22 15:59	24° <b>8</b> 35'39	-0.7m	morning rise	13336 Apr 12 15:14	19° <b>Y</b> 40′29	
	13335 May 26 06:59	0°II		direct	13336 Apr 15 19:48	18° <b>Y</b> 42'51	1000 (100
morning set	13335 Jun 03 23:39	13° <b>Ⅱ</b> 15'10 0° <b>©</b>		morning max el	13336 Apr 22 09:37	22° <b>Y</b> 13'52 0° <b>と</b>	18°36'22
max. Earth dist.	13335 Jun 14 18:33 13335 Jun 16 09:13		1.45102 AU	desc. node	13336 Apr 28 18:22 13336 May 05 21:41	10° <b>8</b> 37'25	
max. Lartii dist.	15555 Juli 10 07.15	2 351 36	1.43102 AO	morning set	13336 May 13 15:22	22° <b>8</b> 42'21	
superior conj	13335 Jun 20 07:16	8°9544'34	-2°12'29		13336 May 18 07:04	0°II	
minimum elong	13335 Jun 20 09:45	8°954'27	2°13'28	max. Earth dist.	13336 May 29 04:03	16° <b>Ⅱ</b> 59'19	1.45771 AU
	13335 Jul 03 08:41	$0^{\circ}\Omega$					
evening rise	13335 Jul 04 11:37	1° <b>Ω</b> 51'51		superior conj	13336 May 29 17:26	17° <b>Ⅱ</b> 51'36	
asc. node	13335 Jul 13 21:10	17° <b>Ω</b> 20'19		minimum elong	13336 May 29 12:15	17° <b>Ⅱ</b> 31'20	2°09'39
evening max el	13335 Jul 23 02:25	29° <b>Ω</b> 53'07	18°13'19		13336 Jun 06 11:18	0°95	
retrograde	13335 Jul 23 05:14 13335 Jul 29 10:55	0°Mp 3°Mp14'45		evening rise greatest brilliancy	13336 Jun 14 07:44 13336 Jun 22 02:54	12°525'36 24°548'18	-0.9m
evening set	13335 Aug 01 08:41	2°m/29'14		greatest offinality	13336 Jun 25 11:05	0°Ω	-0.9111
evening sec	13335 Aug 04 15:22	30°R <b>Ω</b>		asc. node	13336 Jun 29 18:01	6° <b>Ω</b> 20'23	
inferior conj	13335 Aug 07 08:43	27° <b>Ω</b> 05'42	2°18'35	evening max el	13336 Jul 05 14:41	13° <b>Ω</b> 33'33	18°41'31
minimum elong	13335 Aug 07 11:11	26° <b>Ω</b> 58'41	2°17'19	retrograde	13336 Jul 12 04:32	17° <b>Ω</b> 08'21	
min. Earth dist.	13335 Aug 09 20:48	24°Ω16'44	0.63861 AU	evening set	13336 Jul 15 10:57	16° <b>Ω</b> 07'20	
morning rise	13335 Aug 13 12:05	20° <b>Ω</b> 48'44		inferior conj	13336 Jul 21 01:51	10° <b>Ω</b> 28'23	2°51'27
desc. node direct	13335 Aug 15 23:20	19° <b>Ω</b> 14'22 18° <b>Ω</b> 14'23		minimum elong min. Earth dist.	13336 Jul 21 03:43 13336 Jul 22 23:40	10° <b>Ω</b> 22'36 8° <b>Ω</b> 07'06	2°50'17 0.65738 AU
morning max el	13335 Aug 20 03:13 13335 Sep 02 23:08	26°Ω14'46	27030135	morning rise	13336 Jul 22 23:40 13336 Jul 26 19:34	8° <b>λ</b> 07'06 4° <b>Ω</b> 04'59	0.05/38 AU
morning max ci	13335 Sep 02 23:08 13335 Sep 06 10:50	0°m)	21 3933	desc. node	13336 Aug 01 20:45	1° <b>Ω</b> 25'01	
	13335 Sep 27 05:23	0∘ <u>v</u>		direct	13336 Aug 02 04:46	1° <b>Ω</b> 24'36	
morning set	13335 Oct 07 21:52	19° <b>≏</b> 45'41		morning max el	13336 Aug 15 10:22	9° <b>Ω</b> 14'25	26°49'12
asc. node	13335 Oct 09 22:58	23° <b>₽</b> 53'19			13336 Aug 31 17:23	0° <b>™</b>	
max. Earth dist.	13335 Oct 12 17:43	29° <b>₽</b> 39'49	1.32543 AU		13336 Sep 18 16:03	0∘ <b>⊽</b>	
	13335 Oct 12 21:32	0° <b>M</b> ₊		morning set	13336 Sep 20 04:34	2° <b>£</b> 52'29	1 22000 177
superior conj	13335 Oct 15 20:27	6° <b>™</b> 18'58	0°52'50	max. Earth dist. asc. node	13336 Sep 24 08:06 13336 Sep 25 19:33	10° <b>£</b> 59'17 13° <b>£</b> 58'20	1.33998 AU
minimum elong	13335 Oct 15 20.27 13335 Oct 15 18:16	6°M07'13	0°53'58	asc. node	15550 Sep 25 19.55	13 == 36 20	
evening rise	13335 Oct 13 18:16	21°M20'43	0 33 30	superior conj	13336 Sep 28 21:08	20° <b>≏</b> 18'16	0°28'48
<i>5</i> - <i>,</i>	13335 Oct 26 22:05	0° <b>∡</b> ¹		minimum elong	13336 Sep 28 19:40	20° <b>₾</b> 10'39	
desc. node	13335 Nov 11 19:39	25° <b>∡</b> ³37′00		-	13336 Oct 03 11:05	0° <b>M</b>	
evening max el	13335 Nov 14 13:06	28° <b>∡</b> ³30′08	23°06'14	evening rise	13336 Oct 06 04:42	5° <b>M</b> 47'48	
_	13335 Nov 16 04:24	0°る			13336 Oct 19 05:08	0° <b>∡</b> ¹	
retrograde	13335 Nov 27 18:41	5° <b>る</b> 04'47		evening max el	13336 Oct 26 03:29	8° 🗷 37'57	21°27'45
evening set	13335 Dec 01 22:36	4°る27'08	0.55040 AU	desc. node	13336 Oct 28 16:58	10° 🗷 54'09	
min. Earth dist. inferior conj	13335 Dec 08 22:28 13335 Dec 10 07:18	1°512'46 0° <b>5</b> 25'33		retrograde evening set	13336 Nov 07 06:53 13336 Nov 10 02:20	14° <b>х</b> 39'46 14° <b>х</b> 21'38	
minimum elong	13335 Dec 10 07:18 13335 Dec 10 08:13	0° <b>る</b> 23′33		inferior conj	13336 Nov 10 02.20 13336 Nov 18 23:34	10° <b>x</b> 27'50	-5°32'08
	13335 Dec 11 01:08	30°R <b>✓</b>		minimum elong	13336 Nov 18 15:58	10° <b>∡</b> 38′28	
morning rise	13335 Dec 18 19:23	26° <b>∡</b> ³35'49		min. Earth dist.	13336 Nov 19 04:31	10° <b>∡</b> ′20′52	0.54509 AU

morning rise	13336 Nov 27 06:25	6° <b>₺</b> 739'03		minimum elong	13337 Oct 29 08:23	20°M44'14	4°09'15
direct	13336 Dec 01 02:18	6° <b>∡</b> ¹07'22		min. Earth dist.	13337 Oct 31 12:32	19° <b>™</b> 26'01	0.54920 AU
morning max el	13336 Dec 13 18:01	12° <b>∡</b> 11'36	22°24'02	morning rise	13337 Nov 06 19:32	16°M21'00	
asc. node	13336 Dec 22 20:20	23° <b>∡</b> ³32'27		direct	13337 Nov 11 13:20	15°M32'03	
	13336 Dec 26 17:59	ರ°ರ		morning max el	13337 Nov 25 04:36	22°M15'01	24°12'45
morning set	13337 Jan 04 13:09	17° <b>る</b> 18'49			13337 Dec 01 23:44	0° <b>∡</b> ¹	
	13337 Jan 10 11:29	0° <b>≈</b>		asc. node	13337 Dec 09 17:22	11° <b>∡</b> ′50′50	
					13337 Dec 19 01:47	ರ∘ರ	
superior conj	13337 Jan 11 13:53	2° <b>≈</b> 20'33	1°29'48	morning set	13337 Dec 20 01:05	2° <b>る</b> 04'03	
minimum elong	13337 Jan 11 15:40	2° <b>≈</b> 29'58	1°30'35				
max. Earth dist.	13337 Jan 15 06:53	10° <b>≈</b> 05′29	1.34027 AU	superior conj	13337 Dec 26 20:45	16° <b>る</b> 56'31	1°36'56
evening rise	13337 Jan 19 17:37	18° <b>≈</b> 58'44		minimum elong	13337 Dec 26 21:28	17° <b>る</b> 00'25	1°37'56
desc. node	13337 Jan 24 16:05	28° <b>≈</b> 14'10		max. Earth dist.	13337 Dec 29 05:13	22° <b>る</b> 02'23	1.32605 AU
	13337 Jan 25 15:39	0° <b>∀</b>			13338 Jan 01 23:55	0° <b>≈</b>	
	13337 Feb 14 03:26	0° <b>Υ</b>		evening rise	13338 Jan 03 08:39	2° <b>≈</b> 47'10	
evening max el	13337 Feb 23 14:02	10° <b>Y</b> ′46′03	27°03'18	desc. node	13338 Jan 11 12:51	18° <b>≈</b> 20'10	
retrograde	13337 Mar 08 23:14	18° <b>Y</b> 12'55			13338 Jan 18 11:35	0° <b>)</b> {	
evening set	13337 Mar 15 13:26	15° <b>Y</b> ′40′32		evening max el	13338 Feb 06 02:34	24° <b>)</b> €04'00	27°30'51
min. Earth dist.	13337 Mar 19 12:02	11° <b>Υ</b> 52'18	0.65545 AU		13338 Feb 14 01:53	0°Υ 1° <b>0</b> °2°127	
asc. node	13337 Mar 20 17:31	10° <b>℃</b> 29'03	0010157	retrograde	13338 Feb 19 20:39	1° <b>Υ</b> 30'37	
inferior conj	13337 Mar 21 17:16	9° <b>Υ</b> 21'04 9° <b>Υ</b> 22'33	0°18'57	. ,	13338 Feb 25 05:56	30° <b>₹</b> ₩	
minimum elong	13337 Mar 21 16:45 13337 Mar 27 21:35	3° <b>Υ</b> 48'19	0°18'41	evening set	13338 Feb 26 16:58	29° <b>)</b> (03'48) 25° <b>)</b> (45'38)	0.63729 AU
morning rise direct	13337 Mar 27 21:35 13337 Mar 30 16:18	3° <b>Y</b> 06'40		min. Earth dist. inferior conj	13338 Mar 02 11:59 13338 Mar 05 04:24	23° <b>X</b> 43′38 23° <b>¥</b> 00′16	
morning max el	13337 Apr 06 00:43	6°Υ25'56	18°03'24	minimum elong	13338 Mar 05 04:24	23° <del>X</del> 56'22	
morning max ci	13337 Apr 00 00:43	0° <b>と</b>	16 03 24	asc. node	13338 Mar 07 14:59	20°\(\frac{1}{36}\)'06	0 4049
desc. node	13337 Apr 22 18:20	0° <b>8</b> 47'12		morning rise	13338 Mar 11 21:09	17° <b>¥</b> 42′08	
morning set	13337 Apr 22 18:20 13337 Apr 24 10:16	3° <b>8</b> 29'52		direct	13338 Mar 14 07:35	17° <del>X</del> 12'52	
morning set	1555/ Apr 24 10.10	3 02732		morning max el	13338 Mar 20 18:22	20°\(\frac{12}{32}\)	17°47'40
superior conj	13337 May 09 03:12	27° <b>8</b> 04'35	-1°45'44	morning max or	13338 Mar 27 23:22	0° <b>Υ</b>	17 17 10
minimum elong	13337 May 08 18:03	26° <b>8</b> 28'34		morning set	13338 Apr 06 08:34	15° <b>Υ</b> 37'00	
	13337 May 10 23:52	0°Ⅱ	1 10 15	desc. node	13338 Apr 09 14:55	21° <b>Υ</b> 10'20	
max. Earth dist.	13337 May 11 23:56	1° <b>Ⅱ</b> 34'14	1.45696 AU		13338 Apr 14 21:11	0°B	
evening rise	13337 May 25 05:43	22° <b>I</b> 107'17			1	_	
Ü	13337 May 30 08:31	0∘ <b>©</b>		superior conj	12229 Amm 10 05:00	7° <b>8</b> 06'09	-1°09'39
	13337 Way 30 00.31	0 🔾		Superior com	13336 Apr 19 03.00	/ 00009	1 0/3/
greatest brilliancy	13337 Jun 07 03:59	11° <b>©</b> 50'20	-0.7m		13338 Apr 19 05:00 13338 Apr 18 21:57	6° <b>8</b> 37'28	1°09'15
greatest brilliancy asc. node			-0.7m	minimum elong max. Earth dist.	13338 Apr 19 03.00 13338 Apr 18 21:57 13338 Apr 24 18:44	_	
-	13337 Jun 07 03:59	11°550'20	-0.7m 19°26'34	minimum elong	13338 Apr 18 21:57	6° <b>8</b> 37'28	1°09'15
asc. node	13337 Jun 07 03:59 13337 Jun 16 14:59	11°950'20 24°947'30		minimum elong	13338 Apr 18 21:57 13338 Apr 24 18:44	6° <b>8</b> 37'28 16° <b>8</b> 02'43	1°09'15
asc. node	13337 Jun 07 03:59 13337 Jun 16 14:59 13337 Jun 18 22:36	11°©50'20 24°©47'30 27°©19'31		minimum elong max. Earth dist.	13338 Apr 18 21:57 13338 Apr 24 18:44 13338 May 03 17:28	6°837'28 16°802'43 0°∏	1°09'15
asc. node evening max el	13337 Jun 07 03:59 13337 Jun 16 14:59 13337 Jun 18 22:36 13337 Jun 22 03:40	11°950'20 24°947'30 27°919'31 0°\$\Omega\$		minimum elong max. Earth dist.	13338 Apr 18 21:57 13338 Apr 24 18:44 13338 May 03 17:28 13338 May 04 17:05	6° <b>8</b> 37'28 16° <b>8</b> 02'43 0°П 1°П30'33	1°09'15 1.44900 AU
asc. node evening max el retrograde	13337 Jun 07 03:59 13337 Jun 16 14:59 13337 Jun 18 22:36 13337 Jun 22 03:40 13337 Jun 26 02:02	11°\$50'20 24°\$47'30 27°\$19'31 0°\$ 1°\$\Omega\$19'55		minimum elong max. Earth dist. evening rise	13338 Apr 18 21:57 13338 Apr 24 18:44 13338 May 03 17:28 13338 May 04 17:05 13338 May 23 23:59	6° <b>8</b> 37'28 16° <b>8</b> 02'43 0°П 1°П30'33 0°©	1°09'15 1.44900 AU
asc. node evening max el retrograde	13337 Jun 07 03:59 13337 Jun 16 14:59 13337 Jun 18 22:36 13337 Jun 22 03:40 13337 Jun 26 02:02 13337 Jun 29 17:37	11°\$50'20 24°\$47'30 27°\$19'31 0°\$\Omega\$ 1°\$\Omega\$19'55 0°\$\Omega\$02'24		minimum elong max. Earth dist. evening rise evening max el	13338 Apr 18 21:57 13338 Apr 24 18:44 13338 May 03 17:28 13338 May 04 17:05 13338 May 23 23:59 13338 Jun 02 00:58	6°♂37'28 16°♂02'43 0°Ⅲ 1°Ⅲ30'33 0°☞ 11°☞08'02	1°09'15 1.44900 AU
asc. node evening max el retrograde evening set	13337 Jun 07 03:59 13337 Jun 16 14:59 13337 Jun 18 22:36 13337 Jun 22 03:40 13337 Jun 26 02:02 13337 Jun 29 17:37 13337 Jun 29 18:58	11°\$50'20 24°\$47'30 27°\$19'31 0°\$\Omega\$ 1°\$\Omega\$19'55 0°\$\Omega\$02'24 30°\$\S\$ 24°\$\S\$09'37 24°\$\S\$06'41	19°26'34 3°08'36 3°07'33	minimum elong max. Earth dist. evening rise evening max el asc. node retrograde evening set	13338 Apr 18 21:57 13338 Apr 24 18:44 13338 May 03 17:28 13338 May 04 17:05 13338 May 23 23:59 13338 Jun 02 00:58 13338 Jun 03 12:03 13338 Jun 10 00:54 13338 Jun 14 02:24	6°♂37'28 16°♂02'43 0°Ⅲ 1°Ⅲ30'33 0°© 11°©08'02 12°©31'00	1°09'15 1.44900 AU 20°26'35
asc. node evening max el  retrograde evening set  inferior conj minimum elong min. Earth dist.	13337 Jun 07 03:59 13337 Jun 16 14:59 13337 Jun 18 22:36 13337 Jun 22 03:40 13337 Jun 26 02:02 13337 Jun 29 17:37 13337 Jun 29 18:58 13337 Jul 05 02:48	11°\$50'20 24°\$47'30 27°\$19'31 0°\$\Omega\$ 1°\$\Omega\$19'55 0°\$\Omega\$02'24 30°\$\S\$\$ 24°\$\S\$99'37	19°26'34 3°08'36	minimum elong max. Earth dist. evening rise evening max el asc. node retrograde evening set inferior conj	13338 Apr 18 21:57 13338 Apr 24 18:44 13338 May 03 17:28 13338 May 04 17:05 13338 May 23 23:59 13338 Jun 02 00:58 13338 Jun 03 12:03 13338 Jun 10 00:54 13338 Jun 14 02:24 13338 Jun 19 08:50	6°♥37'28 16°♥02'43 0°Ⅲ 1°Ⅲ30'33 0°© 11°©08'02 12°©31'00 15°©44'08	1°09'15 1.44900 AU
asc. node evening max el  retrograde evening set  inferior conj minimum elong	13337 Jun 07 03:59 13337 Jun 16 14:59 13337 Jun 18 22:36 13337 Jun 22 03:40 13337 Jun 26 02:02 13337 Jun 29 17:37 13337 Jun 29 18:58 13337 Jul 05 02:48 13337 Jul 05 03:42	11°\$50'20 24°\$47'30 27°\$19'31 0°\$\Omega\$ 1°\$\Omega\$19'55 0°\$\Omega\$02'24 30°\$\S\$ 24°\$\S\$09'37 24°\$\S\$06'41 22°\$\S\$26'28 17°\$\S\$45'41	19°26'34 3°08'36 3°07'33	minimum elong max. Earth dist. evening rise evening max el asc. node retrograde evening set inferior conj minimum elong	13338 Apr 18 21:57 13338 Apr 24 18:44 13338 May 03 17:28 13338 May 04 17:05 13338 May 23 23:59 13338 Jun 02 00:58 13338 Jun 03 12:03 13338 Jun 10 00:54 13338 Jun 14 02:24 13338 Jun 19 08:50 13338 Jun 19 08:41	6°837'28 16°802'43 0° II 1° II 30'33 0° 9 11° 908'02 12° 931'00 15° 944'08 14° 909'51 8° 904'40 8° 905'11	1°09'15 1.44900 AU 20°26'35 3°12'36 3°11'34
asc. node evening max el  retrograde evening set  inferior conj minimum elong min. Earth dist. morning rise direct	13337 Jun 07 03:59 13337 Jun 16 14:59 13337 Jun 18 22:36 13337 Jun 22 03:40 13337 Jun 26 02:02 13337 Jun 29 17:37 13337 Jun 29 18:58 13337 Jul 05 02:48 13337 Jul 05 03:42 13337 Jul 06 10:07 13337 Jul 10 13:15 13337 Jul 16 13:05	11°\$50'20 24°\$47'30 27°\$19'31 0°\$\Omega\$ 1°\$\Omega\$19'55 0°\$\Omega\$02'24 30°\$\S\$ 24°\$\S\$09'37 24°\$\S\$06'41 22°\$\S\$26'28 17°\$\S\$45'41 15°\$\S\$8'31	19°26'34 3°08'36 3°07'33	minimum elong max. Earth dist. evening rise evening max el asc. node retrograde evening set inferior conj minimum elong min. Earth dist.	13338 Apr 18 21:57 13338 Apr 24 18:44 13338 May 03 17:28 13338 May 04 17:05 13338 May 23 23:59 13338 Jun 02 00:58 13338 Jun 03 12:03 13338 Jun 10 00:54 13338 Jun 14 02:24 13338 Jun 19 08:50 13338 Jun 19 08:41 13338 Jun 20 02:08	6°837'28 16°802'43 0° II 1° II 30'33 0° © 11° 908'02 12° 931'00 15° 944'08 14° 909'51 8° 904'40 8° 905'11 7° 905'19	1°09'15 1.44900 AU 20°26'35 3°12'36
asc. node evening max el  retrograde evening set  inferior conj minimum elong min. Earth dist. morning rise direct desc. node	13337 Jun 07 03:59 13337 Jun 16 14:59 13337 Jun 18 22:36 13337 Jun 22 03:40 13337 Jun 26 02:02 13337 Jun 29 17:37 13337 Jun 29 18:58 13337 Jul 05 02:48 13337 Jul 05 03:42 13337 Jul 06 10:07 13337 Jul 10 13:15 13337 Jul 16 13:05 13337 Jul 19 18:06	11°\$50'20 24°\$47'30 27°\$19'31 0°\$\Omega\$ 1°\$\Omega\$19'55 0°\$\Omega\$02'24 30°\$\S\$ 24°\$\S\$09'37 24°\$\S\$06'41 22°\$\S\$26'28 17°\$\S\$45'41 15°\$\S\$8'31 15°\$\S\$46'30	19°26'34 3°08'36 3°07'33 0.67219 AU	minimum elong max. Earth dist. evening rise evening max el asc. node retrograde evening set inferior conj minimum elong	13338 Apr 18 21:57 13338 Apr 24 18:44 13338 May 03 17:28 13338 May 04 17:05 13338 May 23 23:59 13338 Jun 02 00:58 13338 Jun 03 12:03 13338 Jun 10 00:54 13338 Jun 14 02:24 13338 Jun 19 08:50 13338 Jun 19 08:41 13338 Jun 20 02:08 13338 Jun 24 14:39	6°837'28 16°802'43 0° II 1° II 30'33 0° © 11° 908'02 12° 931'00 15° 944'08 14° 909'51 8° 904'40 8° 905'11 7° 905'19 1° 943'55	1°09'15 1.44900 AU 20°26'35 3°12'36 3°11'34
asc. node evening max el  retrograde evening set  inferior conj minimum elong min. Earth dist. morning rise direct	13337 Jun 07 03:59 13337 Jun 16 14:59 13337 Jun 18 22:36 13337 Jun 22 03:40 13337 Jun 26 02:02 13337 Jun 29 17:37 13337 Jun 29 18:58 13337 Jul 05 02:48 13337 Jul 06 10:07 13337 Jul 10 13:15 13337 Jul 16 13:05 13337 Jul 19 18:06 13337 Jul 28 21:15	11°\$50'20 24°\$47'30 27°\$19'31 0°\$\Omega\$ 1°\$\Omega\$19'55 0°\$\Omega\$02'24 30°\$\S\$ 24°\$\S\$09'37 24°\$\S\$06'41 22°\$\S\$26'28 17°\$\S\$45'41 15°\$\S\$08'31 15°\$\S\$46'30 22°\$\S\$32'13	19°26'34 3°08'36 3°07'33	minimum elong max. Earth dist. evening rise evening max el asc. node retrograde evening set inferior conj minimum elong min. Earth dist. morning rise	13338 Apr 18 21:57 13338 Apr 24 18:44 13338 May 03 17:28 13338 May 04 17:05 13338 May 23 23:59 13338 Jun 02 00:58 13338 Jun 03 12:03 13338 Jun 10 00:54 13338 Jun 14 02:24 13338 Jun 19 08:50 13338 Jun 19 08:41 13338 Jun 20 02:08 13338 Jun 24 14:39 13338 Jun 27 02:54	6°♥37'28 16°♥02'43 0°Ⅲ 1°Ⅲ30'33 0°☞ 11°☞08'02 12°☞31'00 15°☞44'08 14°☞09'51 8°ℱ04'40 8°ℱ05'11 7°ℱ05'19 1°ℱ43'55 30°ℝⅢ	1°09'15 1.44900 AU 20°26'35 3°12'36 3°11'34
asc. node evening max el  retrograde evening set  inferior conj minimum elong min. Earth dist. morning rise direct desc. node	13337 Jun 07 03:59 13337 Jun 16 14:59 13337 Jun 18 22:36 13337 Jun 22 03:40 13337 Jun 26 02:02 13337 Jun 29 17:37 13337 Jun 29 18:58 13337 Jul 05 02:48 13337 Jul 05 03:42 13337 Jul 06 10:07 13337 Jul 10 13:15 13337 Jul 10 13:05 13337 Jul 19 18:06 13337 Jul 28 21:15 13337 Aug 04 10:42	11°\$50'20 24°\$47'30 27°\$19'31 0°\$\alpha\$ 1°\$\alpha\$19'55 0°\$\alpha\$02'24 30°\$\alpha\$ 24°\$909'37 24°\$06'41 22°\$26'28 17°\$45'41 15°\$98'31 15°\$46'30 22°\$32'13 0°\$\alpha\$	19°26'34 3°08'36 3°07'33 0.67219 AU	minimum elong max. Earth dist. evening rise evening max el asc. node retrograde evening set inferior conj minimum elong min. Earth dist.	13338 Apr 18 21:57 13338 Apr 24 18:44 13338 May 03 17:28 13338 May 04 17:05 13338 May 23 23:59 13338 Jun 02 00:58 13338 Jun 03 12:03 13338 Jun 10 00:54 13338 Jun 14 02:24 13338 Jun 19 08:50 13338 Jun 19 08:41 13338 Jun 20 02:08 13338 Jun 24 14:39 13338 Jun 27 02:54 13338 Jun 30 02:56	6°837'28 16°802'43 0°II 1°II30'33 0°S 11°S08'02 12°S31'00 15°S44'08 14°S09'51 8°S04'40 8°S05'11 7°S05'19 1°S43'55 30°RII 29°II18'00	1°09'15 1.44900 AU 20°26'35 3°12'36 3°11'34
asc. node evening max el  retrograde evening set  inferior conj minimum elong min. Earth dist. morning rise direct desc. node morning max el	13337 Jun 07 03:59 13337 Jun 16 14:59 13337 Jun 18 22:36 13337 Jun 22 03:40 13337 Jun 26 02:02 13337 Jun 29 17:37 13337 Jun 29 18:58 13337 Jul 05 02:48 13337 Jul 05 03:42 13337 Jul 06 10:07 13337 Jul 10 13:15 13337 Jul 10 13:15 13337 Jul 12 18:06 13337 Jul 28 21:15 13337 Aug 04 10:42 13337 Aug 25 00:24	11°\$50'20 24°\$47'30 27°\$19'31 0°\$\Omega\$ 1°\$\Omega\$19'55 0°\$\Omega\$02'24 30°\$\R\Pi\$ 24°\$\Omega\$09'37 24°\$\Omega\$06'41 22°\$\Omega\$26'28 17°\$\Omega\$45'41 15°\$\Omega\$08'31 15°\$\Omega\$46'30 22°\$\Omega\$2'13 0°\$\Omega\$0	19°26'34 3°08'36 3°07'33 0.67219 AU	minimum elong max. Earth dist.  evening rise  evening max el asc. node retrograde evening set inferior conj minimum elong min. Earth dist. morning rise  direct	13338 Apr 18 21:57 13338 Apr 24 18:44 13338 May 03 17:28 13338 May 04 17:05 13338 May 23 23:59 13338 Jun 02 00:58 13338 Jun 03 12:03 13338 Jun 10 00:54 13338 Jun 14 02:24 13338 Jun 19 08:50 13338 Jun 19 08:41 13338 Jun 20 02:08 13338 Jun 24 14:39 13338 Jun 27 02:54 13338 Jun 30 02:56 13338 Jul 03 08:28	6°837'28 16°802'43 0° II 1° II 30'33 0° 9 11° 908'02 12° 931'00 15° 944'08 14° 909'51 8° 905'11 7° 905'19 1° 943'55 30° R.II 29° II 18'00 0° 9	1°09'15 1.44900 AU 20°26'35 3°12'36 3°11'34
asc. node evening max el  retrograde evening set  inferior conj minimum elong min. Earth dist. morning rise direct desc. node morning max el  morning set	13337 Jun 07 03:59 13337 Jun 16 14:59 13337 Jun 18 22:36 13337 Jun 26 02:02 13337 Jun 29 17:37 13337 Jun 29 18:58 13337 Jul 05 02:48 13337 Jul 05 03:42 13337 Jul 06 10:07 13337 Jul 10 13:15 13337 Jul 10 13:15 13337 Jul 12 13:05 13337 Jul 12 18:06 13337 Jul 28 21:15 13337 Aug 04 10:42 13337 Aug 05 00:24 13337 Sep 02 20:50	11°\$50'20 24°\$47'30 27°\$19'31 0°\$\Omega\$ 1°\$\Omega\$19'55 0°\$\Omega\$224 30°\$\R\Sigma\$ 24°\$\Sigma\$06'41 22°\$\Sigma\$26'28 17°\$\Sigma\$45'41 15°\$\Sigma\$8'31 15°\$\Sigma\$6'30 22°\$\Sigma\$2'13 0°\$\Omega\$ 0°\$\mathrm{m}\$15°\$\mathrm{m}\$18'33	19°26'34 3°08'36 3°07'33 0.67219 AU 25°35'58	minimum elong max. Earth dist.  evening rise  evening max el asc. node retrograde evening set inferior conj minimum elong min. Earth dist. morning rise  direct  desc. node	13338 Apr 18 21:57 13338 Apr 24 18:44 13338 May 03 17:28 13338 May 04 17:05 13338 May 23 23:59 13338 Jun 02 00:58 13338 Jun 03 12:03 13338 Jun 10 00:54 13338 Jun 14 02:24 13338 Jun 19 08:50 13338 Jun 19 08:41 13338 Jun 20 02:08 13338 Jun 24 14:39 13338 Jun 27 02:54 13338 Jun 30 02:56 13338 Jul 03 08:28 13338 Jul 06 15:21	6°837'28 16°802'43 0°II 1°II30'33 0°S 11°S08'02 12°S31'00 15°S44'08 14°S09'51 8°S04'40 8°S05'11 7°S05'19 1°S43'55 30°RII 29°II18'00 0°S 1°S53'45	1°09'15 1.44900 AU 20°26'35 3°12'36 3°11'34 0.68255 AU
asc. node evening max el  retrograde evening set  inferior conj minimum elong min. Earth dist. morning rise direct desc. node morning max el	13337 Jun 07 03:59 13337 Jun 16 14:59 13337 Jun 18 22:36 13337 Jun 26 02:02 13337 Jun 29 17:37 13337 Jun 29 18:58 13337 Jul 05 02:48 13337 Jul 05 03:42 13337 Jul 06 10:07 13337 Jul 10 13:15 13337 Jul 10 13:15 13337 Jul 10 13:05	11°\$50'20 24°\$47'30 27°\$19'31 0°\$\alpha\$ 1°\$\alpha\$19'55 0°\$\alpha\$02'24 30°\$\alpha\$ 24°\$\sigma\$06'41 22°\$\sigma\$26'28 17°\$\sigma\$45'41 15°\$\sigma\$8'31 15°\$\sigma\$46'30 22°\$\sigma\$3'13 0°\$\alpha\$ 0°\$\text{m}\$0\$\text{m}\$18'33 22°\$\text{m}\$03'57	19°26'34 3°08'36 3°07'33 0.67219 AU	minimum elong max. Earth dist.  evening rise  evening max el asc. node retrograde evening set inferior conj minimum elong min. Earth dist. morning rise  direct	13338 Apr 18 21:57 13338 Apr 24 18:44 13338 May 03 17:28 13338 May 04 17:05 13338 May 23 23:59 13338 Jun 02 00:58 13338 Jun 03 12:03 13338 Jun 10 00:54 13338 Jun 14 02:24 13338 Jun 19 08:50 13338 Jun 19 08:41 13338 Jun 20 02:08 13338 Jun 27 02:54 13338 Jun 27 02:54 13338 Jun 30 02:56 13338 Jun 30 02:56 13338 Jul 03 08:28 13338 Jul 06 15:21 13338 Jul 17:21	6°837'28 16°802'43 0°II 1°II30'33 0°S 11°S08'02 12°S31'00 15°S44'08 14°S09'51 8°S04'40 8°S05'11 7°S05'19 1°S43'55 30°RII 29°II18'00 0°S 1°S53'45 5°S59'55	1°09'15 1.44900 AU 20°26'35 3°12'36 3°11'34 0.68255 AU
asc. node evening max el  retrograde evening set  inferior conj minimum elong min. Earth dist. morning rise direct desc. node morning max el  morning set	13337 Jun 07 03:59 13337 Jun 16 14:59 13337 Jun 18 22:36 13337 Jun 26 02:02 13337 Jun 29 17:37 13337 Jun 29 18:58 13337 Jul 05 02:48 13337 Jul 05 03:42 13337 Jul 06 10:07 13337 Jul 10 13:15 13337 Jul 10 13:15 13337 Jul 12 13:05 13337 Jul 12 18:06 13337 Jul 28 21:15 13337 Aug 04 10:42 13337 Aug 05 00:24 13337 Sep 02 20:50	11°\$50'20 24°\$47'30 27°\$19'31 0°\$\Omega\$ 1°\$\Omega\$19'55 0°\$\Omega\$224 30°\$\R\Sigma\$ 24°\$\Sigma\$06'41 22°\$\Sigma\$26'28 17°\$\Sigma\$45'41 15°\$\Sigma\$8'31 15°\$\Sigma\$6'30 22°\$\Sigma\$2'13 0°\$\Omega\$ 0°\$\mathrm{m}\$15°\$\mathrm{m}\$18'33	19°26'34 3°08'36 3°07'33 0.67219 AU 25°35'58	minimum elong max. Earth dist.  evening rise  evening max el asc. node retrograde evening set inferior conj minimum elong min. Earth dist. morning rise  direct  desc. node morning max el	13338 Apr 18 21:57 13338 Apr 24 18:44 13338 May 03 17:28 13338 May 04 17:05 13338 May 23 23:59 13338 Jun 02 00:58 13338 Jun 03 12:03 13338 Jun 10 00:54 13338 Jun 14 02:24 13338 Jun 19 08:50 13338 Jun 19 08:41 13338 Jun 20 02:08 13338 Jun 24 14:39 13338 Jun 27 02:54 13338 Jun 30 02:56 13338 Jun 03 08:28 13338 Jul 06 15:21 13338 Jul 11 07:21 13338 Jul 29 21:47	6°837'28 16°802'43 0°II 1°II30'33 0°5 11°508'02 12°531'00 15°544'08 14°509'51 8°504'40 8°505'11 7°505'19 1°543'55 30°RII 29°II18'00 0°5 1°553'45 5°559'55 0°\$\Omega\$	1°09'15 1.44900 AU 20°26'35 3°12'36 3°11'34 0.68255 AU
asc. node evening max el  retrograde evening set  inferior conj minimum elong min. Earth dist. morning rise direct desc. node morning max el  morning set max. Earth dist.	13337 Jun 07 03:59 13337 Jun 16 14:59 13337 Jun 18 22:36 13337 Jun 26 02:02 13337 Jun 29 17:37 13337 Jun 29 18:58 13337 Jul 05 02:48 13337 Jul 05 03:42 13337 Jul 06 10:07 13337 Jul 10 13:15 13337 Jul 10 13:15 13337 Jul 10 13:05 13337 Jul 12 8 21:15 13337 Aug 04 10:42 13337 Aug 05 00:24 13337 Sep 06 12:21 13337 Sep 10 14:54	11°\$50'20 24°\$47'30 27°\$19'31 0°\$\mathcal{O}\$ 1°\$\mathcal{O}\$19'55 0°\$\mathcal{O}\$02'24 30°\$\mathcal{O}\$ 24°\$\mathcal{O}\$90'37 24°\$\mathcal{O}\$06'41 22°\$\mathcal{O}\$26'28 17°\$\mathcal{O}\$45'41 15°\$\mathcal{O}\$8'31 15°\$\mathcal{O}\$46'30 22°\$\mathcal{O}\$32'13 0°\$\mathcal{O}\$ 0°\$\mathcal{O}\$ 15°\$\mathcal{O}\$18'33 22°\$\mathcal{O}\$35'7 0°\$\mathcal{O}\$	19°26'34 3°08'36 3°07'33 0.67219 AU 25°35'58	minimum elong max. Earth dist.  evening rise  evening max el asc. node retrograde evening set inferior conj minimum elong min. Earth dist. morning rise  direct  desc. node	13338 Apr 18 21:57 13338 Apr 24 18:44 13338 May 03 17:28 13338 May 04 17:05 13338 May 23 23:59 13338 Jun 02 00:58 13338 Jun 03 12:03 13338 Jun 10 00:54 13338 Jun 14 02:24 13338 Jun 19 08:50 13338 Jun 19 08:41 13338 Jun 20 02:08 13338 Jun 24 14:39 13338 Jun 27 02:54 13338 Jun 30 02:56 13338 Jun 30 02:56 13338 Jul 03 08:28 13338 Jul 06 15:21 13338 Jul 11 07:21 13338 Jul 29 21:47 13338 Aug 15 18:11	6°837'28 16°802'43 0°II 1°II30'33 0°S 11°S08'02 12°S31'00 15°S44'08 14°S09'51 8°S04'40 8°S05'11 7°S05'19 1°S43'55 30°RII 29°II18'00 0°S 1°S53'45 5°S59'55 0°R 26°R52'42	1°09'15 1.44900 AU 20°26'35 3°12'36 3°11'34 0.68255 AU
asc. node evening max el  retrograde evening set  inferior conj minimum elong min. Earth dist. morning rise direct desc. node morning max el  morning set max. Earth dist.	13337 Jun 07 03:59 13337 Jun 16 14:59 13337 Jun 18 22:36 13337 Jun 26 02:02 13337 Jun 29 17:37 13337 Jun 29 18:58 13337 Jul 05 02:48 13337 Jul 05 03:42 13337 Jul 06 10:07 13337 Jul 10 13:15 13337 Jul 16 13:05 13337 Jul 19 18:06 13337 Jul 28 21:15 13337 Aug 04 10:42 13337 Aug 04 10:42 13337 Sep 02 20:50 13337 Sep 06 12:21 13337 Sep 10 14:54	11°\$50'20 24°\$47'30 27°\$19'31 0°\$\mathcal{O}\$ 1°\$\mathcal{O}\$19'55 0°\$\mathcal{O}\$02'24 30°\$\mathcal{O}\$ 24°\$\mathcal{O}\$9'37 24°\$\mathcal{O}\$6'41 22°\$\mathcal{O}\$26'28 17°\$\mathcal{O}\$45'41 15°\$\mathcal{O}\$8'31 15°\$\mathcal{O}\$46'30 22°\$\mathcal{O}\$32'13 0°\$\mathcal{O}\$ 0°\$\mathcal{O}\$ 15°\$\mathcal{O}\$18'33 22°\$\mathcal{O}\$03'57 0°\$\mathcal{O}\$ 3°\$\mathcal{O}\$50'33	19°26'34  3°08'36 3°07'33 0.67219 AU  25°35'58  1.35924 AU  -0°01'08	minimum elong max. Earth dist.  evening rise  evening max el asc. node retrograde evening set inferior conj minimum elong min. Earth dist. morning rise  direct  desc. node morning max el morning set	13338 Apr 18 21:57 13338 Apr 24 18:44 13338 May 03 17:28 13338 May 04 17:05 13338 May 23 23:59 13338 Jun 02 00:58 13338 Jun 03 12:03 13338 Jun 10 00:54 13338 Jun 14 02:24 13338 Jun 19 08:50 13338 Jun 19 08:41 13338 Jun 20 02:08 13338 Jun 24 14:39 13338 Jun 27 02:54 13338 Jun 30 02:56 13338 Jun 30 02:56 13338 Jul 03 08:28 13338 Jul 06 15:21 13338 Jul 10 7:21 13338 Jul 29 21:47 13338 Aug 15 18:11 13338 Aug 17 13:18	6°837'28 16°802'43 0° II 1° II 30'33 0° II 2° II 30'00 1° II 3'00 0° II 20° II 18'00 0° II 3'00 1° II 3'00 0° II 3'00 1° II 3'00 0° II 3'	1°09'15 1.44900 AU 20°26'35 3°12'36 3°11'34 0.68255 AU 24°09'39
asc. node evening max el  retrograde evening set  inferior conj minimum elong min. Earth dist. morning rise direct desc. node morning max el  morning set max. Earth dist.	13337 Jun 07 03:59 13337 Jun 16 14:59 13337 Jun 18 22:36 13337 Jun 22 03:40 13337 Jun 29 17:37 13337 Jun 29 18:58 13337 Jul 05 02:48 13337 Jul 06 10:07 13337 Jul 10 13:15 13337 Jul 10 13:15 13337 Jul 10 13:05 13337 Jul 10 13:05 13337 Jul 28 21:15 13337 Aug 04 10:42 13337 Aug 04 10:42 13337 Sep 02 20:50 13337 Sep 10 14:54  13337 Sep 12 13:15 13337 Sep 12 13:15	11°\$50'20 24°\$47'30 27°\$19'31 0°\$\mathcal{O}\$ 1°\$\mathcal{Q}\$19'55 0°\$\mathcal{Q}\$02'24 30°\$\mathcal{O}\$ 24°\$\mathcal{O}\$09'37 24°\$\mathcal{O}\$06'41 22°\$\mathcal{O}\$26'28 17°\$\mathcal{O}\$45'41 15°\$\mathcal{O}\$08'31 15°\$\mathcal{O}\$46'30 22°\$\mathcal{O}\$32'13 0°\$\mathcal{O}\$ 0°\$\mathcal{D}\$ 15°\$\mathcal{D}\$18'33 22°\$\mathcal{D}\$0'57 0°\$\mathcal{O}\$ 3°\$\mathcal{D}\$50'33 3°\$\mathcal{D}\$50'53	19°26'34  3°08'36 3°07'33 0.67219 AU  25°35'58  1.35924 AU  -0°01'08	minimum elong max. Earth dist.  evening rise  evening max el asc. node retrograde evening set inferior conj minimum elong min. Earth dist. morning rise  direct  desc. node morning max el	13338 Apr 18 21:57 13338 Apr 24 18:44 13338 May 03 17:28 13338 May 04 17:05 13338 May 23 23:59 13338 Jun 02 00:58 13338 Jun 03 12:03 13338 Jun 10 00:54 13338 Jun 14 02:24 13338 Jun 19 08:50 13338 Jun 19 08:41 13338 Jun 20 02:08 13338 Jun 24 14:39 13338 Jun 27 02:54 13338 Jun 30 02:56 13338 Jun 30 02:56 13338 Jul 03 08:28 13338 Jul 06 15:21 13338 Jul 11 07:21 13338 Jul 29 21:47 13338 Aug 15 18:11	6°837'28 16°802'43 0° II 1° II 30'33 0° II 2° II 30'00 1° II 3'00 0° II 20° II 18'00 0° II 3'00 1° II 3'00 0° II 3'00 1° II 3'00 0° II 3'	1°09'15 1.44900 AU 20°26'35 3°12'36 3°11'34 0.68255 AU
asc. node evening max el  retrograde evening set  inferior conj minimum elong min. Earth dist. morning rise direct desc. node morning max el  morning set max. Earth dist.	13337 Jun 07 03:59 13337 Jun 16 14:59 13337 Jun 18 22:36 13337 Jun 22 03:40 13337 Jun 29 17:37 13337 Jun 29 18:58 13337 Jul 05 02:48 13337 Jul 05 03:42 13337 Jul 06 10:07 13337 Jul 10 13:15 13337 Jul 10 13:05 13337 Jul 19 18:06 13337 Jul 28 21:15 13337 Aug 04 10:42 13337 Aug 04 10:42 13337 Sep 02 20:50 13337 Sep 06 12:21 13337 Sep 10 14:54  13337 Sep 12 13:15 13337 Sep 12 13:15	11°\$50'20 24°\$47'30 27°\$19'31 0°\$\mathcal{O}\$ 1°\$\mathcal{Q}\$19'55 0°\$\mathcal{O}\$02'24 30°\$\mathcal{O}\$ 24°\$\mathcal{O}\$09'37 24°\$\mathcal{O}\$06'41 22°\$\mathcal{O}\$26'28 17°\$\mathcal{O}\$45'41 15°\$\mathcal{O}\$08'31 15°\$\mathcal{O}\$46'30 22°\$\mathcal{O}\$32'13 0°\$\mathcal{O}\$ 0°\$\mathcal{O}\$ 15°\$\mathcal{O}\$18'33 22°\$\mathcal{O}\$0'57 0°\$\mathcal{O}\$ 3°\$\mathcal{O}\$50'33 3°\$\mathcal{O}\$50'53 3°\$\mathcal{O}\$19'39	19°26'34  3°08'36 3°07'33 0.67219 AU  25°35'58  1.35924 AU  -0°01'08	minimum elong max. Earth dist.  evening rise  evening max el asc. node retrograde evening set inferior conj minimum elong min. Earth dist. morning rise  direct  desc. node morning max el morning set	13338 Apr 18 21:57 13338 Apr 24 18:44 13338 May 03 17:28 13338 May 04 17:05 13338 May 23 23:59 13338 Jun 02 00:58 13338 Jun 03 12:03 13338 Jun 10 00:54 13338 Jun 14 02:24 13338 Jun 19 08:50 13338 Jun 19 08:41 13338 Jun 20 02:08 13338 Jun 24 14:39 13338 Jun 27 02:54 13338 Jun 30 02:56 13338 Jul 03 08:28 13338 Jul 06 15:21 13338 Jul 11 07:21 13338 Jul 29 21:47 13338 Aug 15 18:11 13338 Aug 17 13:18 13338 Aug 19 10:24	6°837'28 16°802'43 0° II 1° II 30'33 14° II 30'05'11 1° II 30'05'11 1° II 30'05'11 1° II 30'05'15 1° II 30'05'15 0° II 20'05'15 0° II 20'05'15 0° II 30'05'15 0° II 30'05'15 0° II 30'05'15 0° II 30'05'15 0° II 30'05'15'15 0° II 30'05'15'15 0° II 30'05'15'15'15'15'15'15'15'15'15'15'15'15'15	1°09'15 1.44900 AU 20°26'35 3°12'36 3°11'34 0.68255 AU 24°09'39
asc. node evening max el  retrograde evening set  inferior conj minimum elong min. Earth dist. morning rise direct desc. node morning max el  morning set max. Earth dist.	13337 Jun 07 03:59 13337 Jun 16 14:59 13337 Jun 18 22:36 13337 Jun 26 02:02 13337 Jun 29 17:37 13337 Jun 29 18:58 13337 Jul 05 02:48 13337 Jul 05 03:42 13337 Jul 06 10:07 13337 Jul 10 13:15 13337 Jul 10 13:15 13337 Jul 19 18:06 13337 Jul 28 21:15 13337 Aug 04 10:42 13337 Aug 04 10:42 13337 Sep 02 20:50 13337 Sep 06 12:21 13337 Sep 10 14:54  13337 Sep 12 13:15 13337 Sep 12 13:19 13337 Sep 12 07:05 13337 Sep 12 07:05 13337 Sep 12 19:33	11°\$50'20 24°\$47'30 27°\$19'31 0°\$\mathcal{O}\$ 1°\$\mathcal{O}\$19'55 0°\$\mathcal{O}\$02'24 30°\$\mathcal{O}\$ 24°\$\mathcal{O}\$09'37 24°\$\mathcal{O}\$06'41 22°\$\mathcal{O}\$26'28 17°\$\mathcal{O}\$45'41 15°\$\mathcal{O}\$08'31 15°\$\mathcal{O}\$46'30 22°\$\mathcal{O}\$32'13 0°\$\mathcal{O}\$ 0°\$\mathcal{O}\$ 15°\$\mathcal{O}\$18'33 22°\$\mathcal{O}\$0'57 0°\$\mathcal{O}\$ 3°\$\mathcal{O}\$50'53 3°\$\mathcal{O}\$50'53 3°\$\mathcal{O}\$19'39 4°\$\mathcal{O}\$22'10	19°26'34  3°08'36 3°07'33 0.67219 AU  25°35'58  1.35924 AU  -0°01'08	minimum elong max. Earth dist.  evening rise  evening max el asc. node retrograde evening set inferior conj minimum elong min. Earth dist. morning rise  direct  desc. node morning max el morning set max. Earth dist.	13338 Apr 18 21:57 13338 Apr 24 18:44 13338 May 03 17:28 13338 May 04 17:05 13338 May 23 23:59 13338 Jun 02 00:58 13338 Jun 03 12:03 13338 Jun 10 00:54 13338 Jun 14 02:24 13338 Jun 19 08:50 13338 Jun 19 08:41 13338 Jun 20 02:08 13338 Jun 24 14:39 13338 Jun 27 02:54 13338 Jun 27 02:54 13338 Jun 30 02:56 13338 Jul 03 08:28 13338 Jul 06 15:21 13338 Jul 11 07:21 13338 Jul 29 21:47 13338 Aug 15 18:11 13338 Aug 17 13:18 13338 Aug 19 10:24	6°837'28 16°802'43 0°II 1°II30'33 0°S 11°S08'02 12°S31'00 15°S44'08 14°S09'51 8°S04'40 8°S05'11 7°S05'19 1°S43'55 30°RII 29°II18'00 0°S 1°S53'45 5°S59'55 0°R 26°R52'42 0°M 3°M19'24	1°09'15 1.44900 AU 20°26'35 3°12'36 3°11'34 0.68255 AU 24°09'39
asc. node evening max el  retrograde evening set  inferior conj minimum elong min. Earth dist. morning rise direct desc. node morning max el  morning set max. Earth dist.  superior conj minimum elong behind sun begin behind sun end asc. node	13337 Jun 07 03:59 13337 Jun 16 14:59 13337 Jun 18 22:36 13337 Jun 26 02:02 13337 Jun 29 17:37 13337 Jun 29 18:58 13337 Jul 05 02:48 13337 Jul 05 03:42 13337 Jul 06 10:07 13337 Jul 10 13:15 13337 Jul 10 13:15 13337 Jul 12 21:15 13337 Jul 19 18:06 13337 Jul 28 21:15 13337 Aug 04 10:42 13337 Aug 04 10:42 13337 Sep 02 20:50 13337 Sep 06 12:21 13337 Sep 10 14:54  13337 Sep 12 13:19 13337 Sep 12 13:19 13337 Sep 12 17:05 13337 Sep 12 17:05 13337 Sep 12 17:05 13337 Sep 12 17:09	11°\$50'20 24°\$47'30 27°\$19'31 0°\$\Omega\$ 1°\$\Omega\$19'55 0°\$\Omega\$02'24 30°\$\R\$ 24°\$\Sigma\$06'41 22°\$\Sigma\$26'28 17°\$\Sigma\$45'41 15°\$\Sigma\$6'30 22°\$\Sigma\$2'13 0°\$\Omega\$0'\Omega\$13 22°\$\Sigma\$32'13 0°\$\Omega\$0'\Omega\$2'\Omega\$32'13 0°\$\Omega\$0'\Omega\$32'\Omega\$32'\Omega\$32'\Omega\$32'\Omega\$32'\Omega\$32'\Omega\$32'\Omega\$32'\Omega\$33'\Omega\$50'\Sigma\$3°\Omega\$50'\Sigma\$3°\Omega\$50'\Sigma\$3'\Omega\$50'\Sigma\$3\Omega\$4\Omega\$22'\Omega\$05'06	19°26'34  3°08'36 3°07'33 0.67219 AU  25°35'58  1.35924 AU  -0°01'08	minimum elong max. Earth dist.  evening rise  evening max el asc. node retrograde evening set inferior conj minimum elong min. Earth dist. morning rise  direct  desc. node morning max el morning set  max. Earth dist.  superior conj minimum elong	13338 Apr 18 21:57 13338 Apr 24 18:44 13338 May 03 17:28 13338 May 04 17:05 13338 May 23 23:59 13338 Jun 02 00:58 13338 Jun 03 12:03 13338 Jun 10 00:54 13338 Jun 14 02:24 13338 Jun 19 08:50 13338 Jun 19 08:41 13338 Jun 20 02:08 13338 Jun 24 14:39 13338 Jun 27 02:54 13338 Jun 27 02:54 13338 Jun 30 02:56 13338 Jul 03 08:28 13338 Jul 06 15:21 13338 Jul 11 07:21 13338 Jul 12 9 21:47 13338 Aug 15 18:11 13338 Aug 17 13:18 13338 Aug 19 10:24 13338 Aug 26 17:24 13338 Aug 26 17:24	6°837'28 16°802'43 0°II 1°II30'33 0°S 11°S08'02 12°S31'00 15°S44'08 14°S09'51 8°S04'40 8°S05'11 7°S05'19 1°S43'55 30°RII 29°II18'00 0°S 1°S53'45 5°S59'55 0°R 26°R52'42 0°M 3°M19'24	1°09'15 1.44900 AU 20°26'35 3°12'36 3°11'34 0.68255 AU 24°09'39
asc. node evening max el  retrograde evening set  inferior conj minimum elong min. Earth dist. morning rise direct desc. node morning max el  morning set max. Earth dist.	13337 Jun 07 03:59 13337 Jun 16 14:59 13337 Jun 18 22:36 13337 Jun 26 02:02 13337 Jun 29 17:37 13337 Jun 29 18:58 13337 Jul 05 02:48 13337 Jul 05 03:42 13337 Jul 06 10:07 13337 Jul 10 13:15 13337 Jul 10 13:15 13337 Jul 12 21:15 13337 Jul 28 21:15 13337 Aug 04 10:42 13337 Aug 04 10:42 13337 Sep 02 20:50 13337 Sep 06 12:21 13337 Sep 10 14:54  13337 Sep 12 13:15 13337 Sep 12 13:19 13337 Sep 12 13:19 13337 Sep 12 16:09 13337 Sep 12 16:09 13337 Sep 20 11:34	11°\$50'20 24°\$47'30 27°\$19'31 0°\$\Omega\$ 1°\$\Omega\$19'55 0°\$\Omega\$02'24 30°\$\R\$ 24°\$\Sigma\$06'41 22°\$\Sigma\$26'28 17°\$\Sigma\$45'41 15°\$\Sigma\$6'30 22°\$\Sigma\$2'13 0°\$\Omega\$0 0°\$\Omega\$15\$0\Omega\$13'57 0°\$\Omega\$2"\Omega\$03'57 0°\$\Omega\$3"\Omega\$50'53 3°\$\Omega\$50'53 3°\$\Omega\$50'53 3°\$\Omega\$19'39 4°\$\Omega\$22'10 4°\$\Omega\$05'06 20°\$\Omega\$03'44	19°26'34  3°08'36 3°07'33 0.67219 AU  25°35'58  1.35924 AU  -0°01'08	minimum elong max. Earth dist.  evening rise  evening max el asc. node retrograde evening set inferior conj minimum elong min. Earth dist. morning rise  direct  desc. node morning max el morning set max. Earth dist.	13338 Apr 18 21:57 13338 Apr 24 18:44 13338 May 03 17:28 13338 May 04 17:05 13338 May 23 23:59 13338 Jun 02 00:58 13338 Jun 03 12:03 13338 Jun 10 00:54 13338 Jun 19 08:50 13338 Jun 19 08:41 13338 Jun 20 02:08 13338 Jun 24 14:39 13338 Jun 27 02:54 13338 Jun 30 02:56 13338 Jun 30 02:56 13338 Jul 03 08:28 13338 Jul 10 7:21 13338 Jul 10 7:21 13338 Jul 29 21:47 13338 Aug 15 18:11 13338 Aug 17 13:18 13338 Aug 17 13:18 13338 Aug 26 17:24 13338 Aug 26 17:24 13338 Aug 26 17:24 13338 Aug 26 17:24	6°837'28 16°802'43 0°II 1°II30'33 0°S 11°S08'02 12°S31'00 15°S44'08 14°S09'51 8°S04'40 8°S05'11 7°S05'19 1°S43'55 30°RII 29°II18'00 0°S 1°S53'45 5°S59'55 0°A 26°A52'42 0°M 3°M19'24 16°M47'42 16°M47'42 16°M47'44	1°09'15 1.44900 AU 20°26'35 3°12'36 3°11'34 0.68255 AU 24°09'39
asc. node evening max el  retrograde evening set  inferior conj minimum elong min. Earth dist. morning rise direct desc. node morning max el  morning set max. Earth dist.  superior conj minimum elong behind sun begin behind sun end asc. node evening rise	13337 Jun 07 03:59 13337 Jun 16 14:59 13337 Jun 18 22:36 13337 Jun 26 02:02 13337 Jun 29 17:37 13337 Jun 29 18:58 13337 Jul 05 02:48 13337 Jul 05 03:42 13337 Jul 06 10:07 13337 Jul 10 13:15 13337 Jul 16 13:05 13337 Jul 19 18:06 13337 Jul 28 21:15 13337 Aug 04 10:42 13337 Aug 04 10:42 13337 Aug 05 00:24 13337 Sep 06 12:21 13337 Sep 10 14:54  13337 Sep 12 13:15 13337 Sep 12 13:19 13337 Sep 12 13:19 13337 Sep 12 16:09 13337 Sep 20 11:34 13337 Sep 20 11:34 13337 Sep 20 11:34	11°\$50'20 24°\$47'30 27°\$19'31 0°\$\alpha\$ 1°\$\alpha\$19'55 0°\$\alpha\$02'24 30°\$\alpha\$ 24°\$\sigma\$06'41 22°\$\sigma\$26'28 17°\$\sigma\$45'41 15°\$\sigma\$68'31 15°\$\sigma\$46'30 22°\$\sigma\$2'13 0°\$\alpha\$ 0°\$\mathred{m}\$ 15°\$\mathred{m}\$18'33 22°\$\mathred{m}\$03'57 0°\$\mathred{m}\$ 3°\$\mathred{\Omega}\$50'33 3°\$\mathred{\Omega}\$50'53 3°\$\mathred{\Omega}\$19'39 4°\$\mathred{\Omega}\$22'10 4°\$\mathred{\Omega}\$03'44 0°\$\mathred{m}\$	19°26'34  3°08'36 3°07'33 0.67219 AU  25°35'58  1.35924 AU  -0°01'08	minimum elong max. Earth dist.  evening rise  evening max el asc. node retrograde evening set inferior conj minimum elong min. Earth dist. morning rise  direct  desc. node morning max el morning set max. Earth dist.  superior conj minimum elong asc. node	13338 Apr 18 21:57 13338 Apr 24 18:44 13338 May 03 17:28 13338 May 04 17:05 13338 May 23 23:59 13338 Jun 02 00:58 13338 Jun 03 12:03 13338 Jun 10 00:54 13338 Jun 10 00:54 13338 Jun 19 08:50 13338 Jun 19 08:41 13338 Jun 20 02:08 13338 Jun 20 02:08 13338 Jun 20 02:56 13338 Jun 10 06 15:21 13338 Jul 11 07:21 13338 Jul 12 9 21:47 13338 Aug 15 18:11 13338 Aug 17 13:18 13338 Aug 17 13:18 13338 Aug 26 17:24 13338 Aug 26 17:24 13338 Aug 26 17:24 13338 Aug 26 17:24 13338 Aug 30 12:43 13338 Sep 02 11:46	6°837'28 16°802'43 0°II 1°II30'33 0°S 11°S08'02 12°S31'00 15°S44'08 14°S09'51 8°S04'40 8°S05'11 7°S05'19 1°S43'55 30°RII 29°II18'00 0°S 1°S53'45 5°S59'55 0°R 26°R52'42 0°M 3°M19'24	1°09'15 1.44900 AU 20°26'35 3°12'36 3°11'34 0.68255 AU 24°09'39
asc. node evening max el  retrograde evening set  inferior conj minimum elong min. Earth dist. morning rise direct desc. node morning max el  morning set max. Earth dist.  superior conj minimum elong behind sun begin behind sun end asc. node	13337 Jun 07 03:59 13337 Jun 16 14:59 13337 Jun 18 22:36 13337 Jun 26 02:02 13337 Jun 29 17:37 13337 Jun 29 18:58 13337 Jul 05 02:48 13337 Jul 05 03:42 13337 Jul 06 10:07 13337 Jul 10 13:15 13337 Jul 10 13:15 13337 Jul 19 18:06 13337 Jul 19 18:06 13337 Jul 28 21:15 13337 Aug 04 10:42 13337 Aug 05 00:24 13337 Sep 06 12:21 13337 Sep 10 14:54 13337 Sep 10 14:54 13337 Sep 12 13:19 13337 Sep 12 13:19 13337 Sep 12 16:09 13337 Sep 20 11:34 13337 Sep 20 11:34 13337 Sep 25 10:58 13337 Oct 08 06:32	11°\$50'20 24°\$47'30 27°\$19'31 0°\$\alpha\$ 1°\$\alpha\$19'55 0°\$\alpha\$02'24 30°\$\mathbb{R}\$\sigma\$ 24°\$\sigma\$06'41 22°\$\sigma\$26'28 17°\$\sigma\$45'41 15°\$\sigma\$8'31 15°\$\sigma\$46'30 22°\$\sigma\$32'13 0°\$\alpha\$ 0°\$\mathbb{M}\$ 15°\$\mathbb{M}\$18'33 22°\$\mathbb{M}\$03'57 0°\$\mathbb{A}\$ 3°\$\mathbb{A}\$50'53 3°\$\mathbb{A}\$50'53 3°\$\mathbb{A}\$05'06 20°\$\mathbb{A}\$03'44 0°\$\mathbb{M}\$ 19°\$\mathbb{M}\$23'03	19°26'34  3°08'36 3°07'33 0.67219 AU  25°35'58  1.35924 AU  -0°01'08 0°01'10	minimum elong max. Earth dist.  evening rise  evening max el asc. node retrograde evening set inferior conj minimum elong min. Earth dist. morning rise  direct  desc. node morning max el morning set  max. Earth dist.  superior conj minimum elong	13338 Apr 18 21:57 13338 Apr 24 18:44 13338 May 03 17:28 13338 May 04 17:05 13338 May 23 23:59 13338 Jun 02 00:58 13338 Jun 03 12:03 13338 Jun 10 00:54 13338 Jun 10 00:54 13338 Jun 19 08:50 13338 Jun 19 08:41 13338 Jun 20 02:08 13338 Jun 20 02:08 13338 Jun 20 02:54 13338 Jun 20 02:56 13338 Jun 20 02:56 13338 Jun 20 02:56 13338 Jun 10 06 15:21 13338 Jul 11 07:21 13338 Jul 12 9 21:47 13338 Aug 15 18:11 13338 Aug 15 18:11 13338 Aug 17 13:18 13338 Aug 19 10:24  13338 Aug 26 17:24 13338 Aug 26 17:24 13338 Aug 30 12:43 13338 Sep 02 11:46 13338 Sep 04 12:41	6°837'28 16°802'43 0°II 1°II30'33 0°S 11°S08'02 12°S31'00 15°S44'08 14°S09'51 8°S04'40 8°S05'11 7°S05'19 1°S43'55 30°RII 29°II18'00 0°S 1°S53'45 5°S59'55 0°A 26°A52'42 0°ID 3°ID 19'24 16°ID 47'42 16°ID 47'42 16°ID 47'42 16°ID 47'42 16°ID 47'42 16°ID 47'44 0°S 4°S02'06	1°09'15 1.44900 AU 20°26'35 3°12'36 3°11'34 0.68255 AU 24°09'39
asc. node evening max el  retrograde evening set  inferior conj minimum elong min. Earth dist. morning rise direct desc. node morning max el  morning set max. Earth dist.  superior conj minimum elong behind sun begin behind sun end asc. node evening rise  evening max el desc. node	13337 Jun 07 03:59 13337 Jun 16 14:59 13337 Jun 18 22:36 13337 Jun 26 02:02 13337 Jun 29 17:37 13337 Jun 29 18:58 13337 Jul 05 02:48 13337 Jul 05 03:42 13337 Jul 06 10:07 13337 Jul 10 13:15 13337 Jul 10 13:15 13337 Jul 10 13:15 13337 Jul 12 28 21:15 13337 Aug 04 10:42 13337 Aug 05 00:24 13337 Sep 06 12:21 13337 Sep 10 14:54 13337 Sep 12 13:15 13337 Sep 12 13:15 13337 Sep 12 13:19 13337 Sep 12 13:19 13337 Sep 12 16:09 13337 Sep 20 11:34 13337 Sep 25 10:58 13337 Oct 08 06:32 13337 Oct 08 06:32	11°\$50'20 24°\$47'30 27°\$19'31 0°\$\mathcal{O}\$ 1°\$\Omega 19'55 0°\$\Omega 02'24 30°\$\mathcal{S}\$ 24°\$\text{909'37} 24°\$\text{906'41} 22°\$\text{926'28} 17°\$\text{45'41} 15°\$\text{98'31} 15°\$\text{46'30} 22°\$\text{932'13} 0°\$\mathcal{O}\$ 0°\$\text{m}\$ 15°\$\text{m}\$18'33 22°\$\text{m}\$03'57 0°\$\text{\text{\$\text{0}}}\$ 3°\$\text{\$\text{\$\text{\$\text{0}\$}}\$03'57 0°\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{0}\$}}\$03'57}} 0°\$\$\text{	19°26'34  3°08'36 3°07'33 0.67219 AU  25°35'58  1.35924 AU  -0°01'08 0°01'10	minimum elong max. Earth dist.  evening rise  evening max el asc. node retrograde evening set inferior conj minimum elong min. Earth dist. morning rise  direct  desc. node morning max el morning set  max. Earth dist.  superior conj minimum elong asc. node evening rise	13338 Apr 18 21:57 13338 Apr 24 18:44 13338 May 03 17:28 13338 May 04 17:05 13338 May 23 23:59 13338 Jun 02 00:58 13338 Jun 03 12:03 13338 Jun 10 00:54 13338 Jun 10 00:54 13338 Jun 19 08:50 13338 Jun 19 08:41 13338 Jun 20 02:08 13338 Jun 27 02:54 13338 Jun 27 02:54 13338 Jun 30 02:56 13338 Jun 03 08:28 13338 Jul 03 08:28 13338 Jul 10 07:21 13338 Jul 10 7:21 13338 Jul 29 21:47 13338 Aug 15 18:11 13338 Aug 15 18:11 13338 Aug 17 13:18 13338 Aug 19 10:24 13338 Aug 26 17:24 13338 Aug 26 17:24 13338 Aug 30 12:43 13338 Sep 02 11:46 13338 Sep 04 12:41 13338 Sep 04 12:41	6°837'28 16°802'43 0°II 1°II30'33 0°S 11°S08'02 12°S31'00 15°S44'08 14°S09'51 8°S04'40 8°S05'11 7°S05'19 1°S43'55 30°RII 29°I18'00 0°S 1°S53'45 5°S59'55 0°A 26°A52'42 0°IN 3°IN 19'24 16°IN 47'42 16°IN 59'14 24°IN 09'44 0°S 4°S02'06 0°IL	1°09'15 1.44900 AU 20°26'35 3°12'36 3°11'34 0.68255 AU 24°09'39 1.38185 AU -0°34'45 0°34'38
asc. node evening max el  retrograde evening set  inferior conj minimum elong min. Earth dist. morning rise direct desc. node morning max el  morning set max. Earth dist.  superior conj minimum elong behind sun begin behind sun end asc. node evening rise  evening max el	13337 Jun 07 03:59 13337 Jun 16 14:59 13337 Jun 18 22:36 13337 Jun 26 02:02 13337 Jun 29 17:37 13337 Jun 29 18:58 13337 Jul 05 02:48 13337 Jul 05 03:42 13337 Jul 06 10:07 13337 Jul 10 13:15 13337 Jul 10 13:15 13337 Jul 19 18:06 13337 Jul 19 18:06 13337 Jul 28 21:15 13337 Aug 04 10:42 13337 Aug 05 00:24 13337 Sep 06 12:21 13337 Sep 10 14:54 13337 Sep 10 14:54 13337 Sep 12 13:19 13337 Sep 12 13:19 13337 Sep 12 16:09 13337 Sep 20 11:34 13337 Sep 20 11:34 13337 Sep 25 10:58 13337 Oct 08 06:32	11°\$50'20 24°\$47'30 27°\$19'31 0°\$\alpha\$ 1°\$\alpha\$19'55 0°\$\alpha\$02'24 30°\$\mathbb{R}\$\sigma\$ 24°\$\sigma\$06'41 22°\$\sigma\$26'28 17°\$\sigma\$45'41 15°\$\sigma\$8'31 15°\$\sigma\$46'30 22°\$\sigma\$32'13 0°\$\alpha\$ 0°\$\mathbb{M}\$ 15°\$\mathbb{M}\$18'33 22°\$\mathbb{M}\$03'57 0°\$\mathbb{A}\$ 3°\$\mathbb{A}\$50'53 3°\$\mathbb{A}\$50'53 3°\$\mathbb{A}\$05'06 20°\$\mathbb{A}\$03'44 0°\$\mathbb{M}\$ 19°\$\mathbb{M}\$23'03	19°26'34  3°08'36 3°07'33 0.67219 AU  25°35'58  1.35924 AU  -0°01'08 0°01'10	minimum elong max. Earth dist.  evening rise  evening max el asc. node retrograde evening set inferior conj minimum elong min. Earth dist. morning rise  direct  desc. node morning max el morning set max. Earth dist.  superior conj minimum elong asc. node evening rise  evening rise	13338 Apr 18 21:57 13338 Apr 24 18:44 13338 May 03 17:28 13338 May 04 17:05 13338 May 23 23:59 13338 Jun 02 00:58 13338 Jun 03 12:03 13338 Jun 10 00:54 13338 Jun 10 00:54 13338 Jun 19 08:50 13338 Jun 19 08:41 13338 Jun 20 02:08 13338 Jun 20 02:08 13338 Jun 20 02:54 13338 Jun 20 02:56 13338 Jun 20 02:56 13338 Jun 20 02:56 13338 Jun 10 06 15:21 13338 Jul 11 07:21 13338 Jul 12 9 21:47 13338 Aug 15 18:11 13338 Aug 15 18:11 13338 Aug 17 13:18 13338 Aug 19 10:24  13338 Aug 26 17:24 13338 Aug 26 17:24 13338 Aug 30 12:43 13338 Sep 02 11:46 13338 Sep 04 12:41	6°837'28 16°802'43 0°II 1°II30'33 0°S 11°S08'02 12°S31'00 15°S44'08 14°S09'51 8°S04'40 8°S05'11 7°S05'19 1°S43'55 30°RII 29°II18'00 0°S 1°S53'45 5°S59'55 0°A 26°A52'42 0°IN 3°IN 19'24 16°IN 47'42 16°IN 47'42 16°IN 59'14 24°IN 09'44 0°S 4°S02'06 0°IL	1°09'15 1.44900 AU 20°26'35 3°12'36 3°11'34 0.68255 AU 24°09'39 1.38185 AU -0°34'45 0°34'38
asc. node evening max el  retrograde evening set  inferior conj minimum elong min. Earth dist. morning rise direct desc. node morning max el  morning set max. Earth dist.  superior conj minimum elong behind sun begin behind sun end asc. node evening rise  evening max el desc. node retrograde	13337 Jun 07 03:59 13337 Jun 16 14:59 13337 Jun 18 22:36 13337 Jun 26 02:02 13337 Jun 29 17:37 13337 Jun 29 18:58 13337 Jul 05 02:48 13337 Jul 05 03:42 13337 Jul 06 10:07 13337 Jul 10 13:15 13337 Jul 10 13:15 13337 Jul 12 28 21:15 13337 Aug 04 10:42 13337 Aug 04 10:42 13337 Sep 02 20:50 13337 Sep 06 12:21 13337 Sep 10 14:54 13337 Sep 12 13:15 13337 Sep 12 16:09 13337 Sep 20 11:34 13337 Sep 25 10:58 13337 Oct 08 06:32 13337 Oct 15 14:23 13337 Oct 15 14:23	11°\$50'20 24°\$47'30 27°\$19'31 0°\$\mathcal{O}\$ 1°\$\mathcal{O}\$19'55 0°\$\mathcal{O}\$02'24 30°\$\mathcal{O}\$37 24°\$\mathcal{O}\$06'41 22°\$\mathcal{O}\$26'28 17°\$\mathcal{O}\$45'41 15°\$\mathcal{O}\$8'31 15°\$\mathcal{O}\$46'30 22°\$\mathcal{O}\$32'13 0°\$\mathcal{O}\$0\$ 0°\$\mathcal{O}\$0\$ 15°\$\mathcal{O}\$18'33 22°\$\mathcal{O}\$03'57 0°\$\mathcal{O}\$ 3°\$\mathcal{O}\$50'33 3°\$\mathcal{O}\$50'53 3°\$\mathcal{O}\$19'39 4°\$\mathcal{O}\$22'10 4°\$\mathcal{O}\$03'44 0°\$\mathcal{O}\$0\$ 19°\$\mathcal{O}\$123'03 24°\$\mathcal{O}\$126 24°\$\mathcal{O}\$126 24°\$\mathcal{O}\$128	19°26'34  3°08'36 3°07'33 0.67219 AU  25°35'58  1.35924 AU  -0°01'08 0°01'10	minimum elong max. Earth dist.  evening rise  evening max el asc. node retrograde evening set inferior conj minimum elong min. Earth dist. morning rise  direct  desc. node morning max el morning set  max. Earth dist.  superior conj minimum elong asc. node evening rise	13338 Apr 18 21:57 13338 Apr 24 18:44 13338 May 03 17:28 13338 May 04 17:05 13338 May 23 23:59 13338 Jun 02 00:58 13338 Jun 03 12:03 13338 Jun 10 00:54 13338 Jun 10 00:54 13338 Jun 10 08:50 13338 Jun 10 08:41 13338 Jun 20 02:08 13338 Jun 24 14:39 13338 Jun 27 02:54 13338 Jun 27 02:56 13338 Jun 03 08:28 13338 Jun 06 15:21 13338 Jul 11 07:21 13338 Jul 12 9 21:47 13338 Aug 15 18:11 13338 Aug 15 18:11 13338 Aug 17 13:18 13338 Aug 19 10:24 13338 Aug 26 17:24 13338 Aug 26 17:24 13338 Aug 30 12:43 13338 Sep 02 11:46 13338 Sep 04 12:41 13338 Sep 04 12:41 13338 Sep 20 01:56 13338 Sep 20 23:42	6°837'28 16°802'43 0°II 1°II30'33 0°S 11°S08'02 12°S31'00 15°S44'08 14°S09'51 8°S04'40 8°S05'11 7°S05'19 1°S43'55 30°RII 29°II18'00 0°S 1°S53'45 5°S59'55 0°A 26°A52'42 0°IN 3°IN 19'24 16°IN 59'14 24°IN 09'44 0°S 4°S02'06 0°IL 57'00	1°09'15 1.44900 AU 20°26'35 3°12'36 3°11'34 0.68255 AU 24°09'39 1.38185 AU -0°34'45 0°34'38

dasa mada	12229 Oat 02 11:52	5° <b>M</b> ₊04'21		avanina aat	12220 Cap. 12 20:15	16° <b>≙</b> 51'00	
desc. node	13338 Oct 02 11:52		2025120	evening set	13339 Sep 13 20:15		
inferior conj	13338 Oct 10 04:30	1°M00'10		desc. node	13339 Sep 19 09:22	13° <b>≏</b> 54'47	0020150
minimum elong	13338 Oct 09 22:17	1°M10'49	2°22'39	inferior conj	13339 Sep 21 12:08	12° <b>2</b> 16'04	
	13338 Oct 11 15:25	30° <b>₹</b> Ω		minimum elong	13339 Sep 21 10:36	12° <b>≏</b> 19'08	0°39'14
min. Earth dist.	13338 Oct 13 00:30	29° <b>₾</b> 04'00	0.56206 AU	min. Earth dist.	13339 Sep 24 18:48	9° <b>₾</b> 39'03	0.58121 AU
morning rise	13338 Oct 17 23:15	26° <b>≙</b> 17'54		morning rise	13339 Sep 28 21:30	6° <b>£</b> 56'40	
direct	13338 Oct 23 12:42	25° <b>≏</b> 05'45		direct	13339 Oct 05 01:56	5° <b>≏</b> 17'38	
	13338 Nov 04 00:50	$0^{\circ}$ M		morning max el	13339 Oct 19 09:29	12° <b>≏</b> 54'13	27°11'42
morning max el	13338 Nov 06 15:44	2° <b>™</b> 19'01	25°54'30		13339 Nov 01 21:46	$0^{\circ}$ M	
	13338 Nov 26 04:24	0° <b>∡</b> ¹		asc. node	13339 Nov 13 11:09	$20^{\circ}$ MO8'08	
asc. node	13338 Nov 26 14:19	0° <b>∡</b> ¹45'56			13339 Nov 18 07:24	0° <b>∡</b> ¹	
morning set	13338 Dec 04 12:18	16° <b>∡</b> ¹43'28		morning set	13339 Nov 18 21:09	1° <b>∡</b> 12'58	
	13338 Dec 10 13:09	0°₹					
				superior conj	13339 Nov 25 18:34	16° <b>∡</b> ¹22'12	1°32'56
superior conj	13338 Dec 11 06:58	1° <b>る</b> 38'54	1°37'54	minimum elong	13339 Nov 25 17:13	16° <b>∤</b> 14'42	1°33'49
minimum elong	13338 Dec 11 06:35	1° <b>る</b> 36'46	1°38'56	max. Earth dist.	13339 Nov 25 18:27	16° <b>∡</b> ¹21'37	1.31240 AU
max. Earth dist.	13338 Dec 12 10:06	4° <b>ප</b> 09'21	1.31671 AU		13339 Dec 01 22:49	0°₹	
evening rise	13338 Dec 18 08:03	16° <b>る</b> 55'34		evening rise	13339 Dec 02 13:22	1°る17'55	
-	13338 Dec 24 22:05	0° <b>≈</b>		desc. node	13339 Dec 16 06:39	27°る19'10	
desc. node	13338 Dec 29 09:42	8° <b>≈</b> 04'37			13339 Dec 17 22:42	0° <b>≈</b> ≈	
	13339 Jan 13 06:07	0° <b>₩</b>		evening max el	13340 Jan 01 15:17	18° <b>≈</b> 43'57	26°50'17
evening max el	13339 Jan 19 11:58	6° <b>¥</b> 47'23	27°27'49	retrograde	13340 Jan 15 14:08	25° <b>≈</b> 53'57	
retrograde	13339 Feb 02 10:05	14° <b>¥</b> 06'52	_, _, .,	evening set	13340 Jan 22 06:24	24° <b>≈</b> 01'35	
evening set	13339 Feb 02 10:05	11° <b>)</b> 53'24		min. Earth dist.	13340 Jan 26 05:20	21°≈23'04	0.59497 AU
min. Earth dist.	13339 Feb 13 02:03	8° <b>)</b> 59'44	0.61666 AU	inferior conj	13340 Jan 29 09:45	18° <b>≈</b> 51'34	
inferior conj	13339 Feb 16 03:06	6° <b>∺</b> 13'37		minimum elong	13340 Jan 29 17:09	18°≈36'52	
minimum elong	13339 Feb 16 07:27	6° <b>∺</b> 03'41		morning rise	13340 Feb 06 06:56	16 ≈3032 14°≈11'42	3 23 37
asc. node	13339 Feb 10 07.27 13339 Feb 22 12:26	1° <b>X</b> 33'00	2 02 14	direct	13340 Feb 08 08:05	14 ≈11 42 13°≈56'11	
	13339 Feb 22 12.26 13339 Feb 23 10:00	1° <b>∺</b> 13'02		asc. node	13340 Feb 08 08:03	13 ≈30 11 14°≈00'36	
morning rise		0° <b>¥</b> 52′25					10010150
direct	13339 Feb 25 14:12		17040147	morning max el	13340 Feb 16 00:04	17° <b>≈</b> 44'28	18°10'59
morning max el	13339 Mar 04 11:19	4° <b>)</b> €21'01	17°49'47	. ,	13340 Feb 24 18:09	0° <b>)</b> {	
morning set	13339 Mar 20 04:21	28° <b>)</b> (44′36		morning set	13340 Mar 02 15:35	12° <b>)</b> 34'16	
	13339 Mar 20 21:12	0°Υ 11° <b>0</b> °41127			1224034 12 07 02	000005140	0000110
desc. node	13339 Mar 27 11:28	11° <b>Y</b> 41'37		superior conj	13340 Mar 12 07:03	0° <b>Υ</b> 25'49	0°08'18
				minimum elong	13340 Mar 12 07:42	0° <b>Υ</b> ′28'43	0°08'17
superior conj	13339 Mar 31 06:26	18° <b>Y</b> 13'55		behind sun begin	13340 Mar 12 01:11	29° <b>¥</b> 59'23	
minimum elong	13339 Mar 31 03:40	18° <b>Y</b> ′02′10	0°29'13	behind sun end	13340 Mar 12 14:13	0° <b>Y</b> 57'59	
	13339 Apr 07 08:06	$0^{\circ}S$			13340 Mar 12 01:19	$0^{\circ}$ Y	
max. Earth dist.	13339 Apr 07 10:38	_	1.43460 AU	desc. node	13340 Mar 13 07:59	2° <b>Y</b> 17'24	
evening rise	13339 Apr 14 09:47	11° <b>8</b> 15'21		max. Earth dist.	13340 Mar 19 21:58	13° <b>Ƴ</b> 42'22	1.41525 AU
	13339 Apr 26 19:44	$\Pi$ $\circ 0$		evening rise	13340 Mar 24 19:29	21° <b>Y</b> 47'49	
evening max el	13339 May 15 21:41	24° <b>Ⅱ</b> 57'06	21°38'29		13340 Mar 29 23:27	$9^{\circ}$ 8	
asc. node	13339 May 21 09:13	29° <b>Ⅱ</b> 16′30			13340 Apr 19 22:59	$\Pi$ $^{\circ}0$	
	13339 May 23 04:15	0°€		evening max el	13340 Apr 27 13:56	8° <b>Ⅱ</b> 47'06	22°57'45
retrograde	13339 May 24 23:13	0°915'31		asc. node	13340 May 07 06:28	14° <b>Ⅱ</b> 47'40	
	13339 May 26 16:28	30° <b>Ŗ</b> Ⅱ		retrograde	13340 May 07 19:34	14° <b>Ⅱ</b> 49'01	
evening set	13339 May 29 11:26	28° <b>Ⅲ</b> 24'53		evening set	13340 May 12 19:06	12° <b>Ⅱ</b> 43'24	
inferior conj	13339 Jun 03 17:38	22° <b>Ⅲ</b> 08'52	3°05'13	inferior conj	13340 May 18 03:13	6° <b>Ⅱ</b> 18'50	2°47'24
minimum elong	13339 Jun 03 16:34	22° <b>Ⅱ</b> 12'37	3°04'06	minimum elong	13340 May 18 01:27	6° <b>Ⅱ</b> 24'59	2°46'11
min. Earth dist.	13339 Jun 03 21:32	21° <b>Ⅱ</b> 55'17	0.68815 AU	min. Earth dist.	13340 May 17 18:15	6°Ⅱ49'56	0.68895 AU
morning rise	13339 Jun 08 21:29	15° <b>Ⅱ</b> 53'37		morning rise	13340 May 23 07:42	0° <b>Ⅱ</b> 10′24	
direct	13339 Jun 13 21:05	13° <b>Ⅱ</b> 44'39			13340 May 23 12:52	30° <b>₹</b> 8	
desc. node	13339 Jun 23 12:30	19° <b>Ⅲ</b> 20′14		direct	13340 May 27 18:23	28° <b>8</b> 21'35	
morning max el	13339 Jun 23 18:35	19° <b>Ⅲ</b> 35'25	22°40'03		13340 Jun 01 10:15	0°II	
. 8	13339 Jul 02 13:35	0ಂತಾ		morning max el	13340 Jun 05 10:05	3° <b>Ⅲ</b> 21'01	21°15'24
	13339 Jul 23 01:45	0°N		desc. node	13340 Jun 09 09:31	7° <b>Ⅱ</b> 45'00	
morning set	13339 Jul 27 16:08	7° <b>Ω</b> 24'13		dese. node	13340 Jun 25 12:30	0°95	
max. Earth dist.	13339 Aug 01 09:22	15° <b>Ω</b> 16'11	1.40532 AU	morning set	13340 Jul 06 13:08	16°950'44	
max. Durin dist.	1555) Hug 01 07.22	10 061011	1.10332710	max. Earth dist.	13340 Jul 13 13:58	28°506'41	1.42685 AU
superior conj	13339 Aug 09 05:27	29° <b>Ω</b> 00'09	-1°09'43	max. Lattii dist.	13340 Jul 13 13:38 13340 Jul 14 17:37	28 <b>3</b> 0041 0°Ω	1.72003 AU
minimum elong	13339 Aug 09 03.27 13339 Aug 09 10:38	29° <b>Ω</b> 23'37			19970 Jul 14 17.37	· 06	
mmmum ciong	_		1 07 33	avmoni '	12240 I-1 20 20 52	100 0 17122	1942102
asa nodo	13339 Aug 09 18:40	0°M) 14°M-00'01		superior conj	13340 Jul 20 20:53	10°Ω17'32	
asc. node	13339 Aug 17 09:20	14° Mp 09'01		minimum elong	13340 Jul 21 04:00	10° <b>Ω</b> 47'58	1 42 08
evening rise	13339 Aug 19 04:52	17° <b>m</b> 34'58		evening rise	13340 Aug 01 08:01	0° Mp 31'37	
	13339 Aug 25 22:17	0∘ <b>⊽</b>	1002420		13340 Aug 01 01:00	0° M)	
evening max el	13339 Sep 04 03:55	13° <b>2</b> 15'21	18°24'29	asc. node	13340 Aug 03 05:58	3° M 58'26	10005115
retrograde	13339 Sep 11 19:04	17° <b>≏</b> 06'58		evening max el	13340 Aug 17 14:59	26° Mp 08'01	18°05'12

retrograde	12240 Aug 24 10:00	200 m 27/01		ratra arada	12241 Aug 07 14:49	12° m 46'50	
•	13340 Aug 24 10:09	29° Mp 37'01		retrograde	13341 Aug 07 14:48	~	
evening set	13340 Aug 26 18:42	29° Mp 12'06	0047101	evening set	13341 Aug 10 07:36	12° Mp 09'41	1051115
inferior conj	13340 Sep 02 16:38	24° m) 16'45	0°47'01	inferior conj	13341 Aug 16 14:35	6° Mp 56'03	1°51'15
minimum elong	13340 Sep 02 18:04	24° m 13'25	0°46'18	minimum elong	13341 Aug 16 17:04	6° Mp 49'28	1°50'01
desc. node	13340 Sep 05 06:53	21° m 51'24		min. Earth dist.	13341 Aug 19 10:12	3° m 57'37	0.62635 AU
min. Earth dist.	13340 Sep 05 21:41	21° Mp 18'06	0.60361 AU	morning rise	13341 Aug 23 00:20	0°Mp45'56	
morning rise	13340 Sep 09 14:22	18° <b>m</b> 26'43		desc. node	13341 Aug 23 04:22	0°m/38'37	
direct	13340 Sep 16 03:51	16° Mg 21′03			13341 Aug 24 03:38	30°R <b>Ω</b>	
morning max el	13340 Sep 30 10:57	24° <b>m</b> 14'42	27°52'48	direct	13341 Aug 29 16:37	28° <b>Ω</b> 19'13	
	13340 Oct 05 16:28	0∘ <b>⊽</b>			13341 Sep 04 16:08	0° <b>™</b>	
	13340 Oct 25 05:43	0° <b>M</b>		morning max el	13341 Sep 12 18:16	6° Mg 21'02	27°54'43
asc. node	13340 Oct 30 07:54	9° <b>™</b> 49'02			13341 Sep 30 17:51	0∘ <b>ত</b>	
morning set	13340 Nov 02 01:43	15°M26'31		morning set	13341 Oct 16 23:54	29° <b>≙</b> 19'15	
max. Earth dist.	13340 Nov 08 02:20	28°M28'17	1.31321 AU	asc. node	13341 Oct 17 04:35	29° <b>₽</b> 43'04	
	13340 Nov 08 18:52	0° <b>∡</b> ¹			13341 Oct 17 07:54	0° <b>M</b>	
				max. Earth dist.	13341 Oct 22 05:51	10° <b>M</b> ₊19'53	1.31938 AU
superior conj	13340 Nov 09 05:39	0° <b>∡</b> 759'56	1°22'13				
minimum elong	13340 Nov 09 03:38	0° <b>∡</b> ¹48'42	1°22'49	superior conj	13341 Oct 24 14:23	15° <b>M</b> 27'18	1°05'49
evening rise	13340 Nov 15 22:23	15° <b>∡</b> ¹47'27		minimum elong	13341 Oct 24 12:06	15° <b>M</b> ₊14'50	1°06'06
	13340 Nov 22 21:13	0°రె		evening rise	13341 Oct 31 09:18	0° <b>∡</b> 19'45	
desc. node	13340 Dec 02 03:41	15° <b>る</b> 51'21		C	13341 Oct 31 05:38	0° <b>∡</b> ¹	
evening max el	13340 Dec 13 10:13	29° <b>ට</b> 46'50	25°39'42		13341 Nov 16 12:54	ರ∘ರ	
	13340 Dec 13 15:49	0° <b>≈</b>		desc. node	13341 Nov 19 00:50	3° <b>る</b> 25'22	
retrograde	13340 Dec 27 07:35	6° <b>≈</b> 47'18		evening max el	13341 Nov 24 21:49	10° <b>る</b> 04'49	24°05'12
evening set	13341 Jan 02 08:39	5°≈22'50		retrograde	13341 Dec 08 12:36	16° <b>る</b> 51'58	2. 00 12
min. Earth dist.	13341 Jan 06 22:41	2°≈44'54	0.57419 AU	evening set	13341 Dec 13 11:11	15° <b>る</b> 58'32	
inferior conj	13341 Jan 09 20:59	0°≈44'03		min. Earth dist.	13341 Dec 19 09:04	13° <b>る</b> 02'37	0.55718 AU
minimum elong	13341 Jan 10 05:44	0°≈28'58		inferior conj	13341 Dec 21 11:27	13 <b>3</b> 0237	
minimum clong	13341 Jan 10 03:44 13341 Jan 10 22:45	0 ≈2838 30°Rる	4 43 10	minimum elong	13341 Dec 21 16:53	11° <b>る</b> 37'56	
morning rise	13341 Jan 18 05:30	30 KO 26° <b>る</b> 26'36		•	13341 Dec 21 10.33 13341 Dec 30 00:29	7°る48'22	5 41 25
morning rise direct		26° <b>る</b> 12'40		morning rise		7°る4822	
	13341 Jan 20 08:36	28°る1240 28°る08'52		direct	13342 Jan 01 13:24	12° <b>る</b> 28'58	10057154
asc. node	13341 Jan 26 07:10			morning max el	13342 Jan 11 21:16		19°57'54
	13341 Jan 28 15:38	0° <b>≈</b>	10052105	asc. node	13342 Jan 13 04:27	13° <b>る</b> 48'29	
morning max el	13341 Jan 29 04:43	0°≈30'53	18°53'05		13342 Jan 23 22:41	0° <b>≈</b>	
morning set	13341 Feb 14 13:29	26°≈51'39		morning set	13342 Jan 29 18:27	11° <b>≈</b> 26′10	
	13341 Feb 16 03:50	0° <b>ℋ</b>					
				superior conj	13342 Feb 06 12:53	27° <b>≈</b> 12'56	1°05'01
superior conj	13341 Feb 23 02:45	13° <b>¥</b> 29′56	0°40'11	minimum elong	13342 Feb 06 15:39	27°≈26'44	1°05'16
minimum elong	13341 Feb 23 05:08	13° <b>)</b> 41′16	0°40'11 0°40'10	C	13342 Feb 07 22:36	0° <b>∀</b>	- 00 - 0
minimum elong desc. node	13341 Feb 23 05:08 13341 Feb 28 04:30	13° <b>)</b> 41′16 22° <b>)</b> 54′01	0°40'10	max. Earth dist.	13342 Feb 07 22:36 13342 Feb 12 11:21	0° <b>兴</b> 8° <b>兴</b> 42'47	1°05'16 1.37073 AU
minimum elong	13341 Feb 23 05:08	13°¥41'16 22°¥54'01 26°¥31'05		max. Earth dist. desc. node	13342 Feb 07 22:36 13342 Feb 12 11:21 13342 Feb 15 01:02	0° <b>光</b> 8° <b>光</b> 42'47 13° <b>光</b> 27'42	- 00 - 0
minimum elong desc. node	13341 Feb 23 05:08 13341 Feb 28 04:30 13341 Mar 02 05:02 13341 Mar 04 04:43	13°\(\frac{4}{4}\)1'16 22°\(\frac{1}{5}\)4'01 26°\(\frac{1}{3}\)1'05 0°\(\frac{1}{9}\)	0°40'10	max. Earth dist.	13342 Feb 07 22:36 13342 Feb 12 11:21 13342 Feb 15 01:02 13342 Feb 16 05:09	0° <b>₭</b> 8° <b>₭</b> 42'47 13° <b>₭</b> 27'42 15° <b>₭</b> 34'43	- 00 - 0
minimum elong desc. node	13341 Feb 23 05:08 13341 Feb 28 04:30 13341 Mar 02 05:02	13°¥41'16 22°¥54'01 26°¥31'05 0°Υ 3°Υ15'41	0°40'10	max. Earth dist. desc. node	13342 Feb 07 22:36 13342 Feb 12 11:21 13342 Feb 15 01:02	0°₩ 8°₩42'47 13°₩27'42 15°₩34'43 0°Ψ	- 00 - 0
minimum elong desc. node max. Earth dist.	13341 Feb 23 05:08 13341 Feb 28 04:30 13341 Mar 02 05:02 13341 Mar 04 04:43	13°\text{\final}41'16 22°\text{\final}54'01 26°\text{\final}31'05 0°\text{\gamma} 3°\text{\gamma}15'41 0°\text{\gamma}	0°40'10	max. Earth dist. desc. node	13342 Feb 07 22:36 13342 Feb 12 11:21 13342 Feb 15 01:02 13342 Feb 16 05:09	0° <b>₭</b> 8° <b>₭</b> 42'47 13° <b>₭</b> 27'42 15° <b>₭</b> 34'43	- 00 - 0
minimum elong desc. node max. Earth dist.	13341 Feb 23 05:08 13341 Feb 28 04:30 13341 Mar 02 05:02 13341 Mar 04 04:43 13341 Mar 06 02:17	13°¥41'16 22°¥54'01 26°¥31'05 0°Υ 3°Υ15'41	0°40'10	max. Earth dist. desc. node	13342 Feb 07 22:36 13342 Feb 12 11:21 13342 Feb 15 01:02 13342 Feb 16 05:09 13342 Feb 24 15:54	0°₩ 8°₩42'47 13°₩27'42 15°₩34'43 0°Ψ	1.37073 AU
minimum elong desc. node max. Earth dist. evening rise	13341 Feb 23 05:08 13341 Feb 28 04:30 13341 Mar 02 05:02 13341 Mar 04 04:43 13341 Mar 06 02:17 13341 Mar 23 03:53	13°\text{\final}41'16 22°\text{\final}54'01 26°\text{\final}31'05 0°\text{\gamma} 3°\text{\gamma}15'41 0°\text{\gamma}	0°40'10 1.39310 AU	max. Earth dist. desc. node evening rise	13342 Feb 07 22:36 13342 Feb 12 11:21 13342 Feb 15 01:02 13342 Feb 16 05:09 13342 Feb 24 15:54 13342 Mar 17 18:14	0°¥ 8°¥42'47 13°¥27'42 15°¥34'43 0°Ƴ 0°8	1.37073 AU
minimum elong desc. node max. Earth dist. evening rise evening max el	13341 Feb 23 05:08 13341 Feb 28 04:30 13341 Mar 02 05:02 13341 Mar 04 04:43 13341 Mar 06 02:17 13341 Mar 23 03:53 13341 Apr 10 03:48	13° χ41'16 22° χ54'01 26° χ31'05 0° γ 3° γ15'41 0° 8 22° 838'56	0°40'10 1.39310 AU	max. Earth dist. desc. node evening rise	13342 Feb 07 22:36 13342 Feb 12 11:21 13342 Feb 15 01:02 13342 Feb 16 05:09 13342 Feb 24 15:54 13342 Mar 17 18:14 13342 Mar 23 17:14	0°¥ 8°¥42'47 13°¥27'42 15°¥34'43 0°° 0°¥ 6°∀31'10	1.37073 AU
minimum elong desc. node max. Earth dist. evening rise evening max el retrograde	13341 Feb 23 05:08 13341 Feb 28 04:30 13341 Mar 02 05:02 13341 Mar 04 04:43 13341 Mar 06 02:17 13341 Mar 23 03:53 13341 Apr 10 03:48 13341 Apr 21 12:43	13°\(\dagger 41'\)16 22°\(\dagger 54'\)01 26°\(\dagger 31'\)05 0°\(\Omega 3^\Omega 15'\)41 0°\(\dagger 22^\omega 38'\)56 29°\(\dagger 31'\)01	0°40'10 1.39310 AU	max. Earth dist. desc. node evening rise  evening max el retrograde	13342 Feb 07 22:36 13342 Feb 12 11:21 13342 Feb 15 01:02 13342 Feb 16 05:09 13342 Feb 24 15:54 13342 Mar 17 18:14 13342 Mar 23 17:14 13342 Apr 05 01:28	0°₩ 8°₩42'47 13°₩27'42 15°₩34'43 0°Ψ 0°₩ 6°₩31'10 13°₩38'36	1.37073 AU
minimum elong desc. node max. Earth dist. evening rise evening max el retrograde asc. node	13341 Feb 23 05:08 13341 Feb 28 04:30 13341 Mar 02 05:02 13341 Mar 04 04:43 13341 Mar 06 02:17 13341 Mar 23 03:53 13341 Apr 10 03:48 13341 Apr 21 12:43 13341 Apr 24 03:46	13°\(\frac{41'16}{22°\(\frac{754'01}{26°\(\frac{754'01}{30'\(\frac{754'05}{30'\(\frac{754'\)\}}}}}}}}}}}}	0°40'10 1.39310 AU	max. Earth dist. desc. node evening rise  evening max el retrograde evening set	13342 Feb 07 22:36 13342 Feb 12 11:21 13342 Feb 15 01:02 13342 Feb 16 05:09 13342 Feb 24 15:54 13342 Mar 17 18:14 13342 Mar 23 17:14 13342 Apr 05 01:28 13342 Apr 11 00:00	0°¥ 8°¥42'47 13°¥27'42 15°¥34'43 0°Y 0°8 6°831'10 13°838'36 11°811'17	1.37073 AU
minimum elong desc. node max. Earth dist. evening rise evening max el retrograde asc. node evening set	13341 Feb 23 05:08 13341 Feb 28 04:30 13341 Mar 02 05:02 13341 Mar 04 04:43 13341 Mar 06 02:17 13341 Mar 23 03:53 13341 Apr 10 03:48 13341 Apr 21 12:43 13341 Apr 24 03:46 13341 Apr 26 23:51	13° \(\frac{41'16}{22° \(\frac{\pms}{54'01}\)} 26° \(\frac{\pms}{31'05}\) 0° \(\frac{\pms}{3° \(\frac{\pms}{15'41}\)} 0° \(\frac{\pms}{22° \(\frac{\pms}{38'56}\)} 22° \(\frac{\pms}{38'56}\) 29° \(\frac{\pms}{19'01}\) 28° \(\frac{\pms}{48'13}\) 27° \(\frac{\pms}{300'48}\)	0°40'10 1.39310 AU 24°18'31	max. Earth dist. desc. node evening rise  evening max el retrograde evening set asc. node	13342 Feb 07 22:36 13342 Feb 12 11:21 13342 Feb 15 01:02 13342 Feb 16 05:09 13342 Feb 24 15:54 13342 Mar 17 18:14 13342 Mar 23 17:14 13342 Apr 05 01:28 13342 Apr 11 00:00 13342 Apr 11 01:10	0°¥ 8°¥42'47 13°¥27'42 15°¥34'43 0°Y 0°8 6°831'10 13°838'36 11°811'17 11°808'51	1.37073 AU 25°33'49
minimum elong desc. node max. Earth dist. evening rise evening max el retrograde asc. node evening set min. Earth dist.	13341 Feb 23 05:08 13341 Feb 28 04:30 13341 Mar 02 05:02 13341 Mar 04 04:43 13341 Mar 06 02:17 13341 Mar 23 03:53 13341 Apr 10 03:48 13341 Apr 21 12:43 13341 Apr 24 03:46 13341 Apr 26 23:51 13341 May 01 14:14	13°\(\frac{41'16}{22°\(\frac{54'01}{26°\(\frac{43'105}{3°\(\frac{715'41}{3°\(\frac{715'41}{3°\(\frac{715'41}{3°\(\frac{715'41}{3°\(\frac{715'41}{3°\(\frac{715'41}{3°\(\frac{715'41}{3'\c\frac{715'41}{3'\c\frac{715'41}{3'\c\frac{715'41}{3'\c\frac{715'41}{3'\c\frac{715'41}{3'\c\frac{715'41}{3'\c\frac{715'41}{3'\c\frac{715'41}{3'\c\frac{715'41}{3'\c\frac{715'41}{3'\c\frac{715'41}{3'\c\frac{715'41}{3'\c\frac{715'41}{3'\c\frac{715'41}{3'\c\frac{715'41}{3'\c\frac{715'41}{3'\c\frac{715'41}{3'\c\frac{715'41}{3'\c7	0°40'10 1.39310 AU 24°18'31 0.68506 AU	max. Earth dist. desc. node evening rise  evening max el retrograde evening set asc. node min. Earth dist.	13342 Feb 07 22:36 13342 Feb 12 11:21 13342 Feb 15 01:02 13342 Feb 16 05:09 13342 Feb 24 15:54 13342 Mar 17 18:14 13342 Mar 23 17:14 13342 Apr 05 01:28 13342 Apr 11 00:00 13342 Apr 11 01:10 13342 Apr 15 07:21	0°¥ 8°¥42'47 13°¥27'42 15°¥34'43 0°Y 0°8 6°831'10 13°838'36 11°811'17 11°808'51 6°829'24	1.37073 AU 25°33'49 0.67678 AU
minimum elong desc. node max. Earth dist. evening rise evening max el retrograde asc. node evening set min. Earth dist. inferior conj	13341 Feb 23 05:08 13341 Feb 28 04:30 13341 Mar 02 05:02 13341 Mar 04 04:43 13341 Mar 06 02:17 13341 Mar 23 03:53 13341 Apr 10 03:48 13341 Apr 21 12:43 13341 Apr 24 03:46 13341 Apr 26 23:51 13341 May 01 14:14 13341 May 02 11:43	13° \( \) \	0°40'10 1.39310 AU 24°18'31 0.68506 AU 2°19'31	max. Earth dist. desc. node evening rise  evening max el retrograde evening set asc. node min. Earth dist. inferior conj	13342 Feb 07 22:36 13342 Feb 12 11:21 13342 Feb 15 01:02 13342 Feb 16 05:09 13342 Feb 24 15:54 13342 Mar 17 18:14 13342 Mar 23 17:14 13342 Apr 05 01:28 13342 Apr 11 00:00 13342 Apr 11 01:10 13342 Apr 15 07:21 13342 Apr 16 17:12	0°¥ 8°¥42'47 13°¥27'42 15°¥34'43 0°Y 0°℧ 6°℧31'10 13°℧38'36 11°℧11'17 11°℧08'51 6°℧29'24 4°℧40'50	1.37073 AU 25°33'49 0.67678 AU 1°41'18
minimum elong desc. node max. Earth dist. evening rise evening max el retrograde asc. node evening set min. Earth dist. inferior conj minimum elong	13341 Feb 23 05:08 13341 Feb 28 04:30 13341 Mar 02 05:02 13341 Mar 04 04:43 13341 Mar 06 02:17 13341 Mar 23 03:53 13341 Apr 10 03:48 13341 Apr 21 12:43 13341 Apr 24 03:46 13341 Apr 26 23:51 13341 May 01 14:14 13341 May 02 11:43 13341 May 02 09:35	13° \( \) \	0°40'10 1.39310 AU 24°18'31 0.68506 AU 2°19'31	max. Earth dist. desc. node evening rise  evening max el retrograde evening set asc. node min. Earth dist. inferior conj	13342 Feb 07 22:36 13342 Feb 12 11:21 13342 Feb 15 01:02 13342 Feb 16 05:09 13342 Feb 24 15:54 13342 Mar 17 18:14 13342 Mar 23 17:14 13342 Apr 05 01:28 13342 Apr 11 00:00 13342 Apr 11 01:10 13342 Apr 15 07:21 13342 Apr 16 17:12 13342 Apr 16 15:10 13342 Apr 20 19:03	0° <del>X</del> 8° <del>X</del> 42'47 13° <del>X</del> 27'42 15° <del>X</del> 34'43 0° <b>Y</b> 0° <del>X</del> 6° <del>X</del> 31'10 13° <del>X</del> 38'36 11° <del>X</del> 011'17 11° <del>X</del> 08'51 6° <del>X</del> 29'24 4° <del>X</del> 40'50 4° <del>X</del> 47'22	1.37073 AU 25°33'49 0.67678 AU 1°41'18
minimum elong desc. node max. Earth dist. evening rise evening max el retrograde asc. node evening set min. Earth dist. inferior conj minimum elong morning rise direct	13341 Feb 23 05:08 13341 Feb 28 04:30 13341 Mar 02 05:02 13341 Mar 04 04:43 13341 Mar 06 02:17 13341 Mar 23 03:53 13341 Apr 10 03:48 13341 Apr 21 12:43 13341 Apr 24 03:46 13341 Apr 26 23:51 13341 May 01 14:14 13341 May 02 11:43 13341 May 02 09:35 13341 May 07 19:27 13341 May 11 17:41	13°\(\center \)41'16 22°\(\center \)54'01 26°\(\center \)31'05 0°\(\center \) 3°\(\center \)15'41 0°\(\center \) 22°\(\center \)38'56 29°\(\center \)19'01 28°\(\center \)48'13 27°\(\center \)600'48 21°\(\center \)43'27 20°\(\center \)31'02 20°\(\center \)38'13 14°\(\center \)30'30 13°\(\center \)602'35	0°40'10 1.39310 AU 24°18'31 0.68506 AU 2°19'31 2°18'14	max. Earth dist. desc. node evening rise  evening max el retrograde evening set asc. node min. Earth dist. inferior conj minimum elong	13342 Feb 07 22:36 13342 Feb 12 11:21 13342 Feb 15 01:02 13342 Feb 16 05:09 13342 Feb 24 15:54 13342 Mar 17 18:14 13342 Mar 23 17:14 13342 Apr 05 01:28 13342 Apr 11 00:00 13342 Apr 11 01:10 13342 Apr 15 07:21 13342 Apr 16 17:12 13342 Apr 16 15:10 13342 Apr 20 19:03 13342 Apr 20 06:49	0° ¥ 8° ¥42'47 13° ¥27'42 15° ¥34'43 0° ° ° 0° 8 6° 831'10 13° 838'36 11° 811'17 11° 808'51 6° 829'24 4° 840'50 4° 847'22 30° R° ° 28° ° 49'31	1.37073 AU 25°33'49 0.67678 AU 1°41'18
minimum elong desc. node max. Earth dist. evening rise evening max el retrograde asc. node evening set min. Earth dist. inferior conj minimum elong morning rise direct morning max el	13341 Feb 23 05:08 13341 Feb 28 04:30 13341 Mar 02 05:02 13341 Mar 04 04:43 13341 Mar 06 02:17 13341 Mar 23 03:53 13341 Apr 10 03:48 13341 Apr 21 12:43 13341 Apr 24 03:46 13341 Apr 26 23:51 13341 May 01 14:14 13341 May 02 11:43 13341 May 02 09:35 13341 May 07 19:27 13341 May 11 17:41 13341 May 19 08:24	13°\(\center \)41'16 22°\(\center \)54'01 26°\(\center \)31'05 0°\(\center \) 3°\(\center \)15'41 0°\(\center \) 22°\(\center \)38'56 29°\(\center \)19'01 28°\(\center \)48'13 27°\(\center \)600'48 21°\(\center \)43'27 20°\(\center \)38'13 14°\(\center \)30'30 13°\(\center \)62'35 17°\(\center \)18'26	0°40'10 1.39310 AU 24°18'31 0.68506 AU 2°19'31	max. Earth dist. desc. node evening rise  evening max el retrograde evening set asc. node min. Earth dist. inferior conj minimum elong  morning rise	13342 Feb 07 22:36 13342 Feb 12 11:21 13342 Feb 15 01:02 13342 Feb 16 05:09 13342 Feb 24 15:54 13342 Mar 17 18:14 13342 Mar 23 17:14 13342 Apr 05 01:28 13342 Apr 11 00:00 13342 Apr 11 01:10 13342 Apr 15 07:21 13342 Apr 16 17:12 13342 Apr 16 15:10 13342 Apr 20 19:03 13342 Apr 20 19:03 13342 Apr 22 06:49 13342 Apr 25 17:29	0°¥ 8°¥42'47 13°¥27'42 15°¥34'43 0°Y° 0°8 6°831'10 13°838'36 11°811'17 11°808'51 6°829'24 4°840'50 4°847'22 30°RY° 28°Y49'31 27°Y41'26	1.37073 AU 25°33'49 0.67678 AU 1°41'18
minimum elong desc. node max. Earth dist. evening rise evening max el retrograde asc. node evening set min. Earth dist. inferior conj minimum elong morning rise direct	13341 Feb 23 05:08 13341 Feb 28 04:30 13341 Mar 02 05:02 13341 Mar 04 04:43 13341 Mar 06 02:17 13341 Mar 23 03:53 13341 Apr 10 03:48 13341 Apr 21 12:43 13341 Apr 24 03:46 13341 Apr 26 23:51 13341 May 01 14:14 13341 May 02 11:43 13341 May 02 09:35 13341 May 07 19:27 13341 May 11 17:41 13341 May 19 08:24 13341 May 19 08:24 13341 May 27 06:26	13°\ta1'16 22°\ta54'01 26°\ta31'05 0°\ta7 3°\ta715'41 0°\ta8 22°\ta81'56 29°\ta9'01 28°\ta84'13 27°\ta800'48 21°\ta84'3'27 20°\ta83'13 14°\ta830'30 13°\ta802'35 17°\ta818'26 26°\ta852'21	0°40'10 1.39310 AU 24°18'31 0.68506 AU 2°19'31 2°18'14	max. Earth dist. desc. node evening rise  evening max el retrograde evening set asc. node min. Earth dist. inferior conj minimum elong  morning rise direct	13342 Feb 07 22:36 13342 Feb 12 11:21 13342 Feb 15 01:02 13342 Feb 16 05:09 13342 Feb 24 15:54 13342 Mar 17 18:14 13342 Mar 23 17:14 13342 Apr 05 01:28 13342 Apr 11 00:00 13342 Apr 11 01:10 13342 Apr 15 07:21 13342 Apr 16 17:12 13342 Apr 16 15:10 13342 Apr 20 19:03 13342 Apr 20 19:03 13342 Apr 22 06:49 13342 Apr 25 17:29 13342 May 01 00:09	0°¥ 8°¥42'47 13°¥27'42 15°¥34'43 0°Y° 0°8 6°831'10 13°838'36 11°811'17 11°808'51 6°829'24 4°840'50 4°847'22 30°RY° 28°Y49'31 27°Y41'26 0°8	1.37073 AU 25°33'49 0.67678 AU 1°41'18
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minimum elong desc. node max. Earth dist. evening rise evening max el retrograde asc. node evening set min. Earth dist. inferior conj minimum elong morning rise direct morning max el desc. node morning set max. Earth dist. superior conj minimum elong evening rise	13341 Feb 23 05:08 13341 Feb 28 04:30 13341 Mar 02 05:02 13341 Mar 04 04:43 13341 Mar 06 02:17 13341 Mar 23 03:53 13341 Apr 10 03:48 13341 Apr 21 12:43 13341 Apr 24 03:46 13341 Apr 26 23:51 13341 May 01 14:14 13341 May 02 11:43 13341 May 02 09:35 13341 May 07 19:27 13341 May 11 17:41 13341 May 19 08:24 13341 May 27 06:26 13341 May 29 12:38 13341 Jun 15 16:33 13341 Jun 15 16:33 13341 Jun 18 13:20 13341 Jun 16 12:44 13341 Jul 01 12:44 13341 Jul 01 18:24 13341 Jul 07 05:44 13341 Jul 07 05:44 13341 Jul 14 17:13	13°\( \) \(	0°40'10  1.39310 AU  24°18'31  0.68506 AU 2°19'31 2°18'14  20°01'50  1.44391 AU -2°05'39	max. Earth dist. desc. node evening rise  evening max el retrograde evening set asc. node min. Earth dist. inferior conj minimum elong  morning rise direct  morning max el desc. node greatest brilliancy  morning set max. Earth dist.	13342 Feb 07 22:36 13342 Feb 12 11:21 13342 Feb 15 01:02 13342 Feb 16 05:09 13342 Feb 24 15:54 13342 Mar 17 18:14 13342 Apr 23 17:14 13342 Apr 10 00:00 13342 Apr 11 01:10 13342 Apr 15 07:21 13342 Apr 16 17:12 13342 Apr 16 15:10 13342 Apr 20 19:03 13342 Apr 20 19:03 13342 Apr 20 19:03 13342 Apr 22 06:49 13342 Apr 25 17:29 13342 May 01 00:09 13342 May 01 00:09 13342 May 14 03:13 13342 May 15 18:00 13342 May 25 21:33 13342 Jun 11 06:55 13342 Jun 11 06:55	0° ₩ 8° ₩42'47 13° ₩27'42 15° ₩34'43 0° ❤ 0° ੴ 6° ੴ31'10 13° ੴ38'36 11° ੴ11'17 11° ੴ8'51 6° ੴ29'24 4° ੴ40'50 4° ဪ7'22 30° ℝ ❤ 28° ❤ 49'31 27° ❤ 41'26 0° ੴ 1° ੴ25'20 16° ဪ30'14 18° ੴ55'09 0° Ⅲ 4° Ⅲ28'07 25° Ⅲ58'01 0° ⑥00'15 29° Ⅲ57'23	1.37073 AU 25°33'49 0.67678 AU 1°41'18 1°40'09 19°02'50 -0.7m 1.45476 AU -2°13'29
minimum elong desc. node max. Earth dist. evening rise evening max el retrograde asc. node evening set min. Earth dist. inferior conj minimum elong morning rise direct morning max el desc. node morning set max. Earth dist. superior conj minimum elong	13341 Feb 23 05:08 13341 Feb 28 04:30 13341 Mar 02 05:02 13341 Mar 04 04:43 13341 Mar 06 02:17 13341 Mar 23 03:53 13341 Apr 10 03:48 13341 Apr 21 12:43 13341 Apr 24 03:46 13341 Apr 26 23:51 13341 May 01 14:14 13341 May 02 11:43 13341 May 02 09:35 13341 May 07 19:27 13341 May 11 17:41 13341 May 19 08:24 13341 May 27 06:26 13341 May 29 12:38 13341 Jun 15 16:33 13341 Jun 18 13:20 13341 Jun 18 13:20 13341 Jun 18 13:20 13341 Jul 01 12:44 13341 Jul 01 18:24 13341 Jul 07 05:44 13341 Jul 07 05:44 13341 Jul 14 17:13 13341 Jul 21 02:41	13°\( \) \(	0°40'10  1.39310 AU  24°18'31  0.68506 AU 2°19'31 2°18'14  20°01'50  1.44391 AU -2°05'39	max. Earth dist. desc. node evening rise  evening max el retrograde evening set asc. node min. Earth dist. inferior conj minimum elong  morning rise direct  morning max el desc. node greatest brilliancy  morning set max. Earth dist.  superior conj minimum elong	13342 Feb 07 22:36 13342 Feb 12 11:21 13342 Feb 15 01:02 13342 Feb 16 05:09 13342 Feb 24 15:54 13342 Mar 17 18:14 13342 Apr 23 17:14 13342 Apr 10 00:00 13342 Apr 11 01:10 13342 Apr 15 07:21 13342 Apr 16 17:12 13342 Apr 16 15:10 13342 Apr 20 19:03 13342 Apr 20 19:03 13342 Apr 20 19:03 13342 Apr 22 06:49 13342 Apr 25 17:29 13342 May 01 00:09 13342 May 01 00:09 13342 May 14 03:13 13342 May 15 18:00 13342 May 25 21:33 13342 Jun 11 06:55 13342 Jun 11 06:55 13342 Jun 11 06:51	0° ₩ 8° ₩42'47 13° ₩27'42 15° ₩34'43 0° ❤ 0° ੴ 6° ੴ31'10 13° ੴ38'36 11° ੴ11'17 11° ੴ8'51 6° ੴ29'24 4° ੴ40'50 4° ੴ47'22 30° ℝ ❤ 28° ❤ 49'31 27° ❤ 41'26 0° ੴ 1° ੴ25'20 16° ੴ30'14 18° ੴ55'09 0° Ⅲ 4° Ⅲ28'07 25° Ⅲ58'01 0° ©00'15 29° Ⅲ57'23 0° ©	1.37073 AU 25°33'49 0.67678 AU 1°41'18 1°40'09 19°02'50 -0.7m 1.45476 AU -2°13'29
minimum elong desc. node max. Earth dist. evening rise evening max el retrograde asc. node evening set min. Earth dist. inferior conj minimum elong morning rise direct morning max el desc. node morning set max. Earth dist. superior conj minimum elong evening rise	13341 Feb 23 05:08 13341 Feb 28 04:30 13341 Mar 02 05:02 13341 Mar 04 04:43 13341 Mar 06 02:17 13341 Mar 23 03:53 13341 Apr 10 03:48 13341 Apr 21 12:43 13341 Apr 24 03:46 13341 Apr 26 23:51 13341 May 01 14:14 13341 May 02 11:43 13341 May 02 09:35 13341 May 07 19:27 13341 May 11 17:41 13341 May 19 08:24 13341 May 27 06:26 13341 May 29 12:38 13341 Jun 15 16:33 13341 Jun 15 16:33 13341 Jun 18 13:20 13341 Jun 16 12:44 13341 Jul 01 12:44 13341 Jul 01 18:24 13341 Jul 07 05:44 13341 Jul 07 05:44 13341 Jul 14 17:13	13°\( \) 41'16 22°\( \) 54'01 26°\( \) 31'05 0°\( \) 3°\( \) 15'41 0°\( \) 22°\( \) 38'56 29°\( \) 19'01 28°\( \) 43'27 20°\( \) 31'02 20°\( \) 38'13 14°\( \) 30'30 13°\( \) 20'35 17°\( \) 18'26 26°\( \) 52'21 0°\( \) 11°\( \) 45'18 20°\( \) 35'09 20°\( \) 58'12 0°\( \) 12°\( \) 40'22 23°\( \) 43'51 0°\( \) 10°\( \)	0°40'10  1.39310 AU  24°18'31  0.68506 AU 2°19'31 2°18'14  20°01'50  1.44391 AU -2°05'39	max. Earth dist. desc. node evening rise  evening max el retrograde evening set asc. node min. Earth dist. inferior conj minimum elong  morning rise direct  morning max el desc. node greatest brilliancy  morning set max. Earth dist.  superior conj	13342 Feb 07 22:36 13342 Feb 12 11:21 13342 Feb 15 01:02 13342 Feb 16 05:09 13342 Feb 24 15:54 13342 Mar 17 18:14 13342 Apr 23 17:14 13342 Apr 10 00:00 13342 Apr 11 01:10 13342 Apr 15 07:21 13342 Apr 16 17:12 13342 Apr 16 15:10 13342 Apr 20 19:03 13342 Apr 20 19:03 13342 Apr 20 19:03 13342 Apr 22 06:49 13342 Apr 25 17:29 13342 May 01 00:09 13342 May 01 00:09 13342 May 14 03:13 13342 May 15 18:00 13342 May 25 21:33 13342 Jun 11 06:55 13342 Jun 11 06:55	0° ₩ 8° ₩42'47 13° ₩27'42 15° ₩34'43 0° ❤ 0° ੴ 6° ੴ31'10 13° ੴ38'36 11° ੴ11'17 11° ੴ8'51 6° ੴ29'24 4° ੴ40'50 4° ဪ7'22 30° ℝ ❤ 28° ❤ 49'31 27° ❤ 41'26 0° ੴ 1° ੴ25'20 16° ဪ30'14 18° ੴ55'09 0° Ⅲ 4° Ⅲ28'07 25° Ⅲ58'01 0° ⑥00'15 29° Ⅲ57'23	1.37073 AU 25°33'49 0.67678 AU 1°41'18 1°40'09 19°02'50 -0.7m 1.45476 AU -2°13'29

asc. node	13342 Jul 07 23:28	12° <b>Ω</b> 48'51		evening max el	13343 Jun 29 05:41	6° <b>Ω</b> 45'13	18°58'43
evening max el	13342 Jul 15 18:56	23° <b>Ω</b> 01'16	18°23'13	retrograde	13343 Jul 06 00:11	10° <b>Ω</b> 29'01	
retrograde	13342 Jul 22 04:40	26° <b>Ω</b> 26'46		evening set	13343 Jul 09 10:32	9° <b>Ω</b> 20'56	
evening set	13342 Jul 25 06:03	25° <b>Ω</b> 34'55		inferior conj	13343 Jul 14 22:37	3° <b>Ω</b> 36′02	3°00'27
inferior conj	13342 Jul 31 01:48	20°Ω04'54	2°34'37	minimum elong	13343 Jul 15 00:06		2°59'20
minimum elong	13342 Jul 31 04:05	19° <b>Ω</b> 58'09	2°33'22	min. Earth dist.	13343 Jul 16 14:14	1°Ω30'08	0.66432 AU
min. Earth dist.	13342 Aug 02 08:02	17° <b>Ω</b> 25'51	0.64710 AU	iiiii. Lattii dist.	13343 Jul 17 19:54	30°R95	0.00432710
	-	17 <b>0</b> 22331	0.04/10 AU	morning rise	13343 Jul 20 12:58	27°9512'07	
morning rise	13342 Aug 06 00:48			morning rise			
desc. node	13342 Aug 10 01:50	11° <b>Ω</b> 28'23		direct	13343 Jul 26 18:39	24°532'02	
direct	13342 Aug 12 14:06	11° <b>Ω</b> 05'56		desc. node	13343 Jul 27 23:15	24°937'14	
morning max el	13342 Aug 26 04:34	19° <b>Ω</b> 03'48	27°21'21		13343 Aug 06 08:40	$0$ $^{\circ}\Omega$	
	13342 Sep 04 11:20	0° <b>™</b>		morning max el	13343 Aug 08 15:37	2° <b>Ω</b> 11'48	26°20'08
	13342 Sep 23 17:35	0∘ <b>⊽</b>			13343 Aug 29 15:07	0° <b>m</b> y	
morning set	13342 Sep 30 13:08	12° <b>≏</b> 44'57		morning set	13343 Sep 13 14:09	25° <b>m</b> 35'23	
asc. node	13342 Oct 04 01:13	19° <b>≏</b> 45'27			13343 Sep 15 21:59	0∘ <b>ত</b>	
max. Earth dist.	13342 Oct 05 01:31	21° <b>≏</b> 50'16	1.33097 AU	max. Earth dist.	13343 Sep 17 11:27	3° <b>ჲ</b> 01'35	1.34772 AU
				asc. node	13343 Sep 20 21:48	9° <b>≏</b> 51'42	
superior conj	13342 Oct 08 18:43	29° <b>Ω</b> 38'57	0°43'51		1		
minimum elong	13342 Oct 08 16:45	29° <b>₽</b> 28'29	0°43'54	superior conj	13343 Sep 22 16:08	13° <b>≏</b> 27'54	0°16'39
minimum ciong	13342 Oct 08 10:49	0° <b>M</b>	0 45 54	minimum elong	13343 Sep 22 15:14	13° <b>⊆</b> 27'34	0°16'37
	13342 Oct 08 22.40 13342 Oct 15 20:15			0		13 <b>=</b> 23 12 29° <b>⊆</b> 13'41	0 1037
evening rise		14°M50'23		evening rise	13343 Sep 30 05:16		
	13342 Oct 23 08:50	0° <b>∡</b> 7			13343 Sep 30 14:10	0° <b>™</b>	
desc. node	13342 Nov 05 22:06	19° <b>∡</b> ⁴40'16			13343 Oct 18 17:01	0° <b>∡</b> ¹	
evening max el	13342 Nov 06 08:35	20° <b>∡</b> ¹06′16	22°23'08	evening max el	13343 Oct 19 03:48	0° <b>∡</b> ¹27'13	20°50'12
retrograde	13342 Nov 19 04:57	26° <b>∡</b> ¹28'33		desc. node	13343 Oct 23 19:28	4° <b>₰</b> 09'06	
evening set	13342 Nov 22 18:05	26° <b>∡</b> ¹00'55		retrograde	13343 Oct 30 15:27	6° <b>∡</b> ¹09'44	
min. Earth dist.	13342 Nov 30 15:47	22° <b>∡</b> ¹28'48	0.54698 AU	evening set	13343 Nov 02 00:55	5° <b>∡</b> ¹55'56	
inferior conj	13342 Dec 01 08:58	22° <b>∡</b> °04'37	-5°53'27	inferior conj	13343 Nov 11 00:22	2° <b>∡</b> 01'55	-5°04'06
minimum elong	13342 Dec 01 05:57	22° <b>∡</b> 108'52	5°52'17	minimum elong	13343 Nov 10 14:48	2° <b>∡</b> 15'34	5°01'04
morning rise	13342 Dec 09 19:01	18° <b>√</b> 17'15		min. Earth dist.	13343 Nov 11 22:01	1° <b>∡</b> ³31′03	0.54570 AU
direct	13342 Dec 13 02:33	17° <b>₹</b> 52'29		min. Darm dige.	13343 Nov 14 16:33	30°RM	0.5 15 / 0 110
morning max el	13342 Dec 24 23:20	23°×732'46	21°25'22	morning rise	13343 Nov 19 04:49	28°M07'38	
morning max cr	13342 Dec 30 13:11	0°る	21 23 22	direct	13343 Nov 23 10:29	27°M29'13	
				unect			
asc. node	13342 Dec 31 01:39	0°る42'57			13343 Dec 01 15:01	0° ∡7	22212121
morning set	13343 Jan 14 03:50	26° <b>ට</b> 10'09		morning max el	13343 Dec 06 13:19	3° <b>₹</b> 50'12	23°10'01
	13343 Jan 15 23:35	0° <b>≈</b>		asc. node	13343 Dec 17 22:46	18° <b>∡</b> ³34'51	
					13343 Dec 24 07:19	0°る	
superior conj	13343 Jan 21 09:32	11° <b>≈</b> 23'49	1°22'43	morning set	13343 Dec 29 15:21	10° <b>る</b> 56'22	
minimum elong	13343 Jan 21 11:49	11° <b>≈</b> 35'41	1°23'19				
max. Earth dist.	13343 Jan 25 22:06	20° <b>≈</b> 36'54	1.35039 AU	superior conj	13344 Jan 05 13:24	25° <b>る</b> 52'27	1°33'36
evening rise	13343 Jan 30 00:53	28° <b>≈</b> 36′02		minimum elong	13344 Jan 05 14:44	25° <b>る</b> 59'40	1°34'30
	13343 Jan 30 18:45	0° <b>)</b> €			13344 Jan 07 11:45	0° <b>≈</b>	
desc. node	13343 Feb 01 21:39	3° <b>¥</b> 54'43		max. Earth dist.	13344 Jan 08 16:17	2° <b>≈</b> 30'27	1.33366 AU
	13343 Feb 17 21:33	$0^{\circ}\mathbf{Y}$		evening rise	13344 Jan 13 09:46	12° <b>≈</b> 09'08	
evening max el	13343 Mar 06 07:06	20° <b>Υ</b> 18'45	26°36'13	desc. node	13344 Jan 19 18:20	24° <b>≈</b> 09'42	
retrograde	13343 Mar 19 08:49	27° <b>Υ</b> 41'03	20 30 13	dese. Hode	13344 Jan 23 02:13	0° <b>∀</b>	
evening set	13343 Mar 25 17:50	25°Υ09'09			13344 Feb 13 03:45	0°Υ	
•	13343 Mar 28 22:36	23 Υ 09 09 22° <b>Υ</b> '01'27		avanina may al		3°Υ50'30	27010125
asc. node			0.66420.411	evening max el	13344 Feb 16 20:33		2/-18/25
min. Earth dist.	13343 Mar 29 19:23	21° <b>Υ</b> 01'46	0.66438 AU	retrograde	13344 Mar 01 09:51	11° <b>Υ</b> 17'23	
inferior conj	13343 Mar 31 17:33	18° <b>Y</b> 43'53	0°52'20	evening set	13344 Mar 08 03:13	8° <b>Y</b> 46'36	
minimum elong	13343 Mar 31 16:15	18° <b>Ƴ</b> 47'46	0°51'36	min. Earth dist.	13344 Mar 12 00:08	5° <b>Ƴ</b> 11'43	0.64814 AU
morning rise	13343 Apr 06 15:44	13° <b>℃</b> 03'31		inferior conj	13344 Mar 14 10:16	2° <b>Ƴ</b> 33'17	-0°07'54
direct	13343 Apr 09 15:58	12° <b>Y</b> 12'58		minimum elong	13344 Mar 14 10:30	2° <b>Y</b> 32'39	0°07'46
morning max el	13343 Apr 16 02:29	15° <b>Ƴ</b> 37'34	18°20'12	transit middle	13344 Mar 14 10:30	2° <b>Y</b> 32'39	0°07'46
	13343 Apr 26 20:06	0°B		transit begin	13344 Mar 14 07:50	2° <b>Y</b> 39'58	
desc. node	13343 Apr 30 23:56	6° <b>8</b> 30'39		transit end	13344 Mar 14 13:10	2° <b>Y</b> 25'21	
morning set	13343 May 06 00:11	14° <b>8</b> 28'19		asc. node	13344 Mar 14 20:04	2° <b>Y</b> 06'34	
<b>5</b> *	13343 May 15 19:44	0°П			13344 Mar 16 20:59	30° <b>₹</b>	
	100 to 111ug 10 17.44	· <del></del>		morning rise	13344 Mar 20 19:35	27° <b>¥</b> 06′21	
superior conj	13343 May 21 14:42	9° <b>Ⅱ</b> 04'15	-2°01'11	direct	13344 Mar 23 10:42	26°\(\)30'15	
	•			uncet		20° <b>π</b> 3013	
minimum elong	13343 May 21 07:01	8° <b>Ⅱ</b> 34'13			13344 Mar 29 23:59		1705437
max. Earth dist.	13343 May 22 12:56		1.45842 AU	morning max el	13344 Mar 29 18:59		17°54'37
	13343 Jun 04 00:28	0°€		morning set	13344 Apr 16 07:17	25° <b>Y</b> 51'49	
evening rise	13343 Jun 06 13:23	3° <b>9</b> 58'23		desc. node	13344 Apr 16 20:34	26° <b>Y</b> 46′52	
greatest brilliancy	13343 Jun 16 17:39	19° <b>5</b> 49'46	-0.8m		13344 Apr 18 19:13	$0^{\circ}$ 8	
	13343 Jun 23 15:45	$0$ $^{\circ}\Omega$					
asc. node	13343 Jun 24 20:22	1° <b>Ω</b> 36′12		superior conj	13344 Apr 30 05:38	18° <b>8</b> 33'42	-1°31'28

minimum elong	13344 Apr 29 20:49	17° <b>8</b> 58'35	1°31'12	minimum elong	13345 Apr 10 11:49	28° <b>Ƴ</b> 40'47	0°52'16
max. Earth dist.	13344 May 04 09:16	25° <b>8</b> 07'37	1.45449 AU		13345 Apr 11 06:59	0°8	
	13344 May 07 11:59	$\Pi$ °0		max. Earth dist.	13345 Apr 17 03:03	9° <b>8</b> 28'51	1.44351 AU
evening rise	13344 May 16 05:05	13° <b>Ⅲ</b> 28′00		evening rise	13345 Apr 25 16:44	22° <b>8</b> 55'18	
	13344 May 27 02:43	$0$ $\circ$ $50$			13345 Apr 30 08:04	$\Pi$ °0	
greatest brilliancy	13344 May 30 17:22	5° <b>©</b> 19'43	-0.6m		13345 May 21 13:31	0ංම	
asc. node	13344 Jun 10 17:21	19°5546'37	10050101	evening max el	13345 May 25 11:04	4°521'19	20°55'55
evening max el	13344 Jun 11 11:21 13344 Jun 18 22:34	20°533'02	19°50'21	asc. node	13345 May 28 14:27	7°907'27	
retrograde evening set	13344 Jun 22 18:22	24° <b>©</b> 47'19 23° <b>©</b> 22'27		retrograde evening set	13345 Jun 02 21:31 13345 Jun 07 03:29	9° <b>©</b> 15'26 7° <b>©</b> 34'00	
inferior conj	13344 Jun 28 02:02	17° <b>©</b> 24'02	3°11'46	inferior conj	13345 Jun 12 09:29	1°9523'42	3°10'48
minimum elong	13344 Jun 28 02:29	17° <b>©</b> 22'32	3°10'44	minimum elong	13345 Jun 12 08:56	1°925'40	3°09'44
min. Earth dist.	13344 Jun 29 03:12	15°959'25	0.67720 AU	min. Earth dist.	13345 Jun 12 20:57	0°9543'58	0.68546 AU
morning rise	13344 Jul 03 10:13	11° <b>©</b> 01'16			13345 Jun 13 09:42	30°R <b>Ⅱ</b>	
direct	13344 Jul 09 05:17	8°528'22		morning rise	13345 Jun 17 14:08	25° <b>Ⅱ</b> 04'58	
desc. node	13344 Jul 13 20:35	9° <b>5</b> 47'31		direct	13345 Jun 22 20:58	22° <b>Ⅱ</b> 45'55	
morning max el	13344 Jul 21 02:14	15° <b>©</b> 35'23	25°00'17	desc. node	13345 Jun 30 17:48	26° <b>Ⅲ</b> 31'32	
	13344 Aug 01 23:03	$0$ $^{\circ}$ $\Omega$		morning max el	13345 Jul 03 12:41	29° <b>Ⅱ</b> 07'16	23°31'28
	13344 Aug 21 12:40	0° <b>m</b> )			13345 Jul 04 09:08	0°®	
morning set	13344 Aug 25 22:59	7° m 41'15			13345 Jul 26 16:57	0°N	
max. Earth dist.	13344 Aug 29 12:52	14° <b>m</b> 09'52	1.36864 AU	morning set	13345 Aug 07 10:54	18° <b>Ω</b> 50′27	
	12244 0 05 02 20	260m-46150	0015102	max. Earth dist.	13345 Aug 11 10:32	25° <b>Ω</b> 40'18	1.39189 AU
superior conj minimum elong	13344 Sep 05 03:39 13344 Sep 05 04:38	26° m/46'50 26° m/51'37			13345 Aug 13 21:25	0° <b>m</b> )	
behind sun begin	13344 Sep 05 04:38	26° m/39'46	0 1301	superior conj	13345 Aug 19 01:27	9° m/26'02	-0°49'36
behind sun end	13344 Sep 05 07:02	27° m) 03'28		minimum elong	13345 Aug 19 05:02	9° m 42'47	
asc. node	13344 Sep 06 18:22	29° m 58'20		asc. node	13345 Aug 24 14:56	20° <b>m</b> ) 01'09	0 4927
use. Houe	13344 Sep 06 18:42	0∘ <del>⊽</del>		evening rise	13345 Aug 28 07:50	27° m/ 12'40	
evening rise	13344 Sep 13 10:05	13° <b>≏</b> 23'52		Ü	13345 Aug 29 18:24	0∘ <u>⊽</u>	
-	13344 Sep 22 03:28	$0^{\circ}$ M		evening max el	13345 Sep 13 11:13	23° <b>≏</b> 26'26	18°44'36
evening max el	13344 Sep 30 12:56	11°M32'48	19°36'27	retrograde	13345 Sep 21 19:07	27° <b>≏</b> 37'43	
desc. node	13344 Oct 09 16:55	16°M26'20		evening set	13345 Sep 23 16:54	27° <b>≏</b> 25'20	
retrograde	13344 Oct 10 09:04	16°M27'39		desc. node	13345 Sep 26 14:25	26° <b>≏</b> 23'24	
evening set	13344 Oct 12 06:16	16° <b>™</b> 17'39		inferior conj	13345 Oct 01 19:33	23° <b>♀</b> 02'44	
inferior conj	13344 Oct 21 00:29	12°M13'13		minimum elong	13345 Oct 01 15:27		1°37'12
minimum elong	13344 Oct 20 15:42	12°M27'06		min. Earth dist.	13345 Oct 04 21:54	20° <b>Ω</b> 46'55	0.56961 AU
min. Earth dist.	13344 Oct 23 07:13	10°M46'50 7°M51'41	0.55373 AU	morning rise	13345 Oct 09 10:37	18° <b>Ω</b> 03'54 16° <b>Ω</b> 40'32	
morning rise direct	13344 Oct 28 23:15 13344 Nov 03 01:36	6°M53'52		direct morning max el	13345 Oct 15 06:54 13345 Oct 29 13:00	16° <b>22</b> 40′32 24° <b>2</b> 05′22	26021112
morning max el	13344 Nov 16 23:16	13°M50'13	24°58'06	morning max er	13345 Nov 03 22:34	24 <b>=</b> 03 22 0° <b>M</b>	20 31 12
morning max cr	13344 Nov 29 14:11	0° <b>∡</b> ⊓	24 30 00	asc. node	13345 Nov 20 16:41	26°M17'53	
asc. node	13344 Dec 03 19:48	7° <b>∡</b> 10′23		use. Houe	13345 Nov 22 14:24	0°×7	
morning set	13344 Dec 13 03:11	25° <b>х</b> 39′50		morning set	13345 Nov 27 13:36	10° <b>∡</b> 15'36	
S	13344 Dec 15 03:11	8°0		Č			
				superior conj	13345 Dec 04 08:57	25° <b>∡</b> 15'21	1°36'31
superior conj	13344 Dec 19 21:55	10° <b>る</b> 31'48	1°38'05	minimum elong	13345 Dec 04 08:08	25° <b>∡</b> 10'49	1°37'29
minimum elong	13344 Dec 19 22:10	10° <b>る</b> 33'08	1°39'07	max. Earth dist.	13345 Dec 05 00:21	26° <b>∡</b> ¹41'07	1.31419 AU
max. Earth dist.	13344 Dec 21 17:46	14° <b>පි</b> 32'01	1.32147 AU		13345 Dec 06 12:10	0°ಕ	
evening rise	13344 Dec 27 04:39	26° <b>る</b> 06'28		evening rise	13345 Dec 11 06:49	10° <b>る</b> 21'17	
	13344 Dec 29 02:47	0° <b>≈</b>			13345 Dec 21 09:09	0°≈	
desc. node	13345 Jan 05 15:06	14°≈07'11		desc. node	13345 Dec 23 11:59	3°≈40'02	2701 (100
arranina marral	13345 Jan 15 12:01 13345 Jan 29 07:49	0° <b>₩</b> 16° <b>₩</b> 54'11	27922120	evening max el	13346 Jan 11 14:45	29° <b>≈</b> 18'18 0° <b>∀</b>	2/*16/08
evening max el retrograde	13345 Feb 12 03:50	16 ★3411 24°¥18'25	27 33 30	retrograde	13346 Jan 12 08:43 13346 Jan 25 13:50	6° <b>∺</b> 34'53	
evening set	13345 Feb 12 03:30 13345 Feb 19 01:40	24 )(1823 21°) <del>(</del> 55'57		evening set	13346 Feb 01 10:07	4° <b>∺</b> 29'16	
min. Earth dist.	13345 Feb 22 19:47		0.62876 AU	min. Earth dist.	13346 Feb 05 05:17	1° <b>)</b> 43'32	0.60737 AU
inferior conj	13345 Feb 25 16:27	16° <b>₭</b> 01'50		mm. Darm alst.	13346 Feb 07 05:45	30°R≈	0.00757110
minimum elong	13345 Feb 25 19:05	15° <b>)</b> €55'22		inferior conj	13346 Feb 08 08:46	29° <b>≈</b> 01'17	-2°39'23
asc. node	13345 Mar 01 17:33	12° <b>∺</b> 27′09		minimum elong	13346 Feb 08 14:27	28° <b>≈</b> 49'01	2°36'34
morning rise	13345 Mar 04 15:06	10° <b>)</b> 51′06		morning rise	13346 Feb 15 21:54	24° <b>≈</b> 09'30	
direct	13345 Mar 06 22:38	10° <b>)</b> 25′57		asc. node	13346 Feb 16 15:00	23° <b>≈</b> 59′29	
morning max el	13345 Mar 13 12:44	13° <b>¥</b> 47′22	17°46'25	direct	13346 Feb 18 00:11	23° <b>≈</b> 51'37	
	13345 Mar 24 18:24	0° <b>Υ</b>		morning max el	13346 Feb 25 04:26	27° <b>≈</b> 27'33	17°56'26
morning set	13345 Mar 29 15:25	8° <b>Y</b> ′26′24			13346 Feb 27 11:17	0° <b>∺</b>	
desc. node	13345 Apr 03 17:07	17° <b>Ƴ</b> 13'46		morning set	13346 Mar 12 18:26	21° <b>)</b> 53'54	
	12245 1 12 15 25	2000000000	0052127		13346 Mar 17 05:03	0°Υ 7°Ω47!30	
superior conj	13345 Apr 10 17:05	29° <b>Y</b> ′02'33	-U*32'3/	desc. node	13346 Mar 21 13:37	7° <b>Ƴ</b> 47'30	

superior conj	13346 Mar 23 04:47	10° <b>Ƴ</b> 39'08	-0°12'53		13347 Feb 21 07:30	0° <b>\</b>	
minimum elong	13346 Mar 23 03:39	10° <b>Ƴ</b> 34'14	0°12'48	morning set	13347 Feb 24 10:44	5° <b>)</b> 56′52	
behind sun begin	13346 Mar 22 22:44	10° <b>Y</b> °12'46					
behind sun end	13346 Mar 23 08:34	10° <b>Y</b> 55'40		superior conj	13347 Mar 05 14:03	23° <b>∺</b> 14'29	0°22'38
max. Earth dist.	13346 Mar 30 16:34	23° <b>Y</b> 21'00	1.42674 AU	minimum elong	13347 Mar 05 15:38	23° <b>∺</b> 21'45	0°22'36
	13346 Apr 03 18:49	0°8		desc. node	13347 Mar 08 10:06	28° <b>)</b> 23′49	
evening rise	13346 Apr 05 15:39	2° <b>8</b> 58'24			13347 Mar 09 07:37	0° <b>Υ</b>	
	13346 Apr 23 17:31	0°П		max. Earth dist.	13347 Mar 13 01:41	6° <b>Y</b> 34'04	1.40600 AU
evening max el	13346 May 08 05:37	18° <b>Ⅱ</b> 10'48	22°11'40	evening rise	13347 Mar 17 10:14	13° <b>Y</b> 54'41	
asc. node	13346 May 15 11:40	23° <b>Ⅱ</b> 23'49			13347 Mar 27 14:19	0°B	
retrograde	13346 May 17 19:17	23° <b>Ⅱ</b> 48'32 21° <b>Ⅱ</b> 51'30		avanina may al	13347 Apr 18 21:54	0°Щ 2°Щ01'52	22022126
evening set inferior conj	13346 May 22 12:07 13346 May 27 18:53	21 <b>П</b> 31 30 15° <b>П</b> 31'24	2058155	evening max el retrograde	13347 Apr 20 20:44 13347 May 01 14:18	2 <b>П</b> 01 32 8° <b>П</b> 20'46	23 32 20
minimum elong	13346 May 27 17:28	15° <b>Д</b> 36'19	2°57'46	asc. node	13347 May 02 08:57	8° <b>Ⅱ</b> 18'01	
min. Earth dist.	13346 May 27 17:18	15° <b>Д</b> 36'56	0.68900 AU	evening set	13347 May 06 18:42	6° <b>Ⅱ</b> 09'41	
morning rise	13346 Jun 01 22:39	9° <b>Ⅱ</b> 18'39	***************************************	min. Earth dist.	13347 May 11 14:00	0° <b>П</b> 31'29	0.68785 AU
direct	13346 Jun 06 16:43	7° <b>Ⅱ</b> 17'55			13347 May 11 23:10	30° <b>₹</b> 8	
morning max el	13346 Jun 16 01:17	12° <b>Ⅱ</b> 46'57	22°03'00	inferior conj	13347 May 12 04:14	29° <b>8</b> 42'37	2°36'50
desc. node	13346 Jun 17 14:53	14° <b>Ⅱ</b> 25'15		minimum elong	13347 May 12 02:15	29° <b>8</b> 49'25	2°35'34
	13346 Jun 29 18:53	$0$ $\circ$ $\odot$		morning rise	13347 May 17 09:45	23° <b>8</b> 37'16	
morning set	13346 Jul 18 22:06	28° <b>©</b> 54'08		direct	13347 May 21 15:08	21° <b>8</b> 57'06	
	13346 Jul 19 14:28	$0$ $^{\circ}$ $\Omega$		morning max el	13347 May 29 19:17	26° <b>8</b> 36'36	20°42'28
max. Earth dist.	13346 Jul 24 10:59	7° <b>Ω</b> 57'36	1.41489 AU		13347 Jun 01 22:02	$\Pi$ $^{\circ}0$	
	12246 1 01 05 16	210 01 (127	100 4100	desc. node	13347 Jun 04 11:51	3° <b>Ⅱ</b> 09'23	
superior conj	13346 Aug 01 05:16	21°Ω16'27		. ,	13347 Jun 23 05:38	0°©	
minimum elong	13346 Aug 01 11:30	21° <b>Ω</b> 43'58	1°23'5/	morning set	13347 Jun 28 09:54	7°957'11	1.43480 AU
asc. node	13346 Aug 06 02:00 13346 Aug 11 11:31	0° <b>т</b> р 9° <b>т</b> р 56'43		max. Earth dist.	13347 Jul 06 18:16 13347 Jul 12 03:57	21° <b>©</b> 09'31 0° <b>Ω</b>	1.43480 AU
evening rise	13346 Aug 11 11:31	10° Mp 31'31			1334/ Jul 12 03.37	0 86	
evening rise	13346 Aug 22 23:38	0° <del>ت</del>		superior conj	13347 Jul 13 10:55	2° <b>Ω</b> 09'02	-1°53'32
evening max el	13346 Aug 27 18:55	ა <b>_</b> 6° <b>ჲ</b> 01'08	18°13'52	minimum elong	13347 Jul 13 17:59	2°Ω38'37	
retrograde	13346 Sep 04 00:09	9° <b>Ω</b> 41'01		evening rise	13347 Jul 25 15:09	23° <b>Ω</b> 09'12	
evening set	13346 Sep 06 04:18	9° <b>ഫ</b> 21'43		asc. node	13347 Jul 29 08:11	29° <b>Ω</b> 40'56	
desc. node	13346 Sep 13 11:55	4° <b>≏</b> 39'11			13347 Jul 29 12:33	0° <b>m</b> )	
inferior conj	13346 Sep 13 12:21	4° <b>م</b> 38'14	-0°00'20	evening max el	13347 Aug 11 07:50	19° <b>m</b> 06'38	18°02'53
minimum elong	13346 Sep 13 12:21	4° <b>≏</b> 38'16	0°00'21	retrograde	13347 Aug 17 21:31	22° <b>m</b> 29'55	
transit middle	13346 Sep 13 12:21	4° <b>≏</b> 38'16	0°00'21	evening set	13347 Aug 20 09:40	22° Mp 00'01	
transit begin	13346 Sep 13 08:54	4° <b>≏</b> 45'38		inferior conj	13347 Aug 27 00:48	16° Mp 56'34	1°17'00
transit end	13346 Sep 13 15:47	4° <b>Ω</b> 30'53		minimum elong	13347 Aug 27 02:52	16° m 51'27	1°15'57
min. Earth dist.	13346 Sep 16 19:48		0.59061 AU	min. Earth dist.	13347 Aug 30 02:31	13° <b>m</b> 55'40	0.61346 AU
	13346 Sep 19 05:42	30°RM)		desc. node	13347 Aug 31 09:25	12° Mp 45'40	
morning rise direct	13346 Sep 20 16:57 13346 Sep 27 02:15	29° Mp 04'41 27° Mp 13'31		morning rise direct	13347 Sep 02 17:25 13347 Sep 09 09:01	10° Mp 57'04 8° Mp 41'33	
direct	13346 Oct 05 07:43	0° <b>⊽</b>		morning max el	13347 Sep 09 09:01 13347 Sep 23 14:02	16° M) 38'59	27°58'15
morning max el	13346 Oct 11 09:57	ა <u>—</u> 4° <b>ჲ</b> 58'36	27°33'47	morning max er	13347 Oct 04 14:51	0₀ <b>ರ</b>	27 30 13
morning man vi	13346 Oct 29 22:24	0°M	2, 33 .,		13347 Oct 22 14:20	0° <b>M</b> ₊	
asc. node	13346 Nov 07 13:28	15° <b>™</b> 48'40		asc. node	13347 Oct 25 10:09	5°M36'05	
morning set	13346 Nov 11 20:50	24°M38'43		morning set	13347 Oct 26 23:00	8°M44'35	
	13346 Nov 14 08:38	0° <b>∡</b>		max. Earth dist.	13347 Nov 01 15:23	20°M53'45	1.31524 AU
superior conj	13346 Nov 18 20:34	9° <b>∡</b> ¹57'06	1°29'05	superior conj	13347 Nov 03 06:56	24°MJ31'48	
minimum elong	13346 Nov 18 18:53	9° <b>∡</b> ¹47'46 −	1°29'51	minimum elong	13347 Nov 03 04:45		1°16'25
max. Earth dist.	13346 Nov 18 08:46	8° <b>∡</b> 751'17	1.31209 AU		13347 Nov 05 18:06	0° <b>∡</b> ¹	
evening rise	13346 Nov 25 13:57	24° <b>₹</b> 47'24		evening rise	13347 Nov 10 00:04	9° <b>х</b> 19'40	
desc. node	13346 Nov 28 01:12 13346 Dec 10 08:58	0°る 22°る38'06		desc. node	13347 Nov 20 11:14 13347 Nov 27 06:03	0°る 10°る48'13	
desc. node	13346 Dec 15 07:57	0°≈		evening max el	13347 Nov 27 00:03 13347 Dec 06 06:30	10 34813 21° <b>る</b> 35'39	25°01'36
evening max el	13346 Dec 24 14:48	0 <b>∞</b> 10° <b>≈</b> 52'41	26°24'05	retrograde	13347 Dec 20 01:41	28° <b>る</b> 30'17	23 01 30
retrograde	13347 Jan 07 13:47	10 ≈5241 17°≈58'48	20 2103	evening set	13347 Dec 25 16:56	28 <b>3</b> 3017 27° <b>る</b> 19'13	
evening set	13347 Jan 14 00:36	16°≈17'58		min. Earth dist.	13347 Dec 30 18:27	24° <b>る</b> 36'03	0.56637 AU
min. Earth dist.	13347 Jan 18 04:28	13° <b>≈</b> 41′26	0.58578 AU	inferior conj	13348 Jan 02 09:56	22° <b>る</b> 53'04	
inferior conj	13347 Jan 21 07:32	11° <b>≈</b> 21'12		minimum elong	13348 Jan 02 18:01	22° <b>る</b> 39'55	5°11'52
minimum elong	13347 Jan 21 15:51	11° <b>≈</b> 05'36	3°58'48	morning rise	13348 Jan 10 21:21	18° <b>ろ</b> 44'19	
morning rise	13347 Jan 29 10:05	6° <b>≈</b> 50'35		direct	13348 Jan 13 03:45	18° <b>る</b> 29'43	
direct	13347 Jan 31 11:08	6° <b>≈</b> 36'16		asc. node	13348 Jan 21 09:43	21° <b>る</b> 58'56	
asc. node	13347 Feb 03 12:24	7°≈09'54		morning max el	13348 Jan 22 14:07	23° <b>る</b> 03'31	19°17'45
morning max el	13347 Feb 08 14:13	10° <b>≈</b> 36'36	18°26'12		13348 Jan 28 05:08	0° <b>≈</b>	

morning set	13348 Feb 08 12:03	20° <b>≈</b> 23'00		morning max el	13349 Jan 04 00:34	4° <b>ප</b> 38'20	20°32'32
	13348 Feb 13 07:41	0° <b>∀</b>		asc. node	13349 Jan 07 06:58	8° <b>る</b> 12'13	
					13349 Jan 20 07:48	0° <b>≈</b>	
superior conj	13348 Feb 16 16:27	6° <b>∺</b> 36'32	0°51'35	morning set	13349 Jan 22 19:13	5° <b>≈</b> 02'22	
minimum elong	13348 Feb 16 19:08	6° <b>)</b> 49′33	0°51'41				
desc. node	13348 Feb 23 06:38	18° <b>¥</b> 59'29		superior conj	13349 Jan 30 07:32	20° <b>≈</b> 32'40	1°13'22
max. Earth dist.	13348 Feb 23 08:18	19° <b>¥</b> 07'03	1.38354 AU	minimum elong	13349 Jan 30 10:10	20°≈46′05	1°13'47
evening rise	13348 Feb 27 01:57	25° <b>)</b> 45'14		8	13349 Feb 04 01:46	0° <b>₩</b>	
evening rise	13348 Feb 29 13:18	0° <b>Υ</b>		max. Earth dist.	13349 Feb 04 16:08	1° <b>∺</b> 09'19	1.36173 AU
	13348 Mar 20 04:53	0°8		evening rise	13349 Feb 08 12:25	8° <b>¥</b> 22'56	1.30173 AU
			24051120	2			
evening max el	13348 Apr 02 10:22	15° <b>8</b> 54'23	24°51'39	desc. node	13349 Feb 09 03:13	9° <b>)</b> (30′36	
retrograde	13348 Apr 14 05:31	22° <b>8</b> 46'45			13349 Feb 21 06:30	0° <b>Υ</b>	
asc. node	13348 Apr 18 06:19	21° <b>8</b> 35'54		evening max el	13349 Mar 15 23:50	29° <b>Ƴ</b> 44'54	26°02'19
evening set	13348 Apr 19 21:41	20° <b>8</b> 24'11			13349 Mar 16 06:03	$9^{\circ}$ 8	
min. Earth dist.	13348 Apr 24 08:56	15° <b>8</b> 22'10	0.68212 AU	retrograde	13349 Mar 28 16:03	7° <b>8</b> 00'11	
inferior conj	13348 Apr 25 11:40	13° <b>8</b> 53'46	2°04'36	evening set	13349 Apr 03 19:24	4° <b>8</b> 29'57	
minimum elong	13348 Apr 25 09:31	14° <b>8</b> 00'54	2°03'20	asc. node	13349 Apr 05 03:45	3° <b>8</b> 16'00	
morning rise	13348 Apr 30 21:35	7° <b>と</b> 57'07		min. Earth dist.	13349 Apr 08 00:02	0° <b>ප</b> 03'15	0.67200 AU
direct	13348 May 04 14:53	6° <b>8</b> 37'43			13349 Apr 08 01:05	30° <b>₽</b> Υ	
morning max el	13348 May 11 20:47	10° <b>8</b> 37'55	19°34'49	inferior conj	13349 Apr 09 15:14		1°21'53
desc. node	13348 May 21 08:43	22° <b>8</b> 30'26	1) 544)	minimum elong	13349 Apr 09 13:26	28° <b>Υ</b> 06'40	1°20'51
	13348 May 24 12:13		0.6	-		28 1 00 40 22°Υ14'25	1 20 31
greatest brilliancy	,	27° <b>8</b> 02'57	-0.om	morning rise	13349 Apr 15 08:13		
	13348 May 26 12:11	0°II		direct	13349 Apr 18 14:17	21°Υ′14'14	
morning set	13348 Jun 06 11:11	16° <b>Ⅲ</b> 36′56		morning max el	13349 Apr 25 05:42	24° <b>Y</b> ′48′15	18°42'43
	13348 Jun 15 02:24	$0$ $\circ$			13349 Apr 29 17:16	$0^{\circ}$ 8	
max. Earth dist.	13348 Jun 18 08:19	5° <b>ॐ</b> 06′16	1.44937 AU	desc. node	13349 May 08 05:29	12° <b>8</b> 18'39	
				morning set	13349 May 16 23:37	25° <b>8</b> 54'14	
superior conj	13348 Jun 22 16:45	12° <b>©</b> 01'24	-2°11'17		13349 May 19 14:34	$\Pi^{\circ}0$	
minimum elong	13348 Jun 22 20:14	12° <b>©</b> 15'21	2°12'12	max. Earth dist.	13349 Jun 01 02:32	19° <b>Ⅱ</b> 30'19	1.45716 AU
	13348 Jul 03 16:51	$0^{\circ}\Omega$					
evening rise	13348 Jul 06 15:04	4° <b>Ω</b> 53'17		superior conj	13349 Jun 02 04:34	21° <b>Ⅱ</b> 12′02	-2°10'45
asc. node	13348 Jul 15 04:56	19° <b>Ω</b> 08'14		minimum elong	13349 Jun 02 00:28	20° <b>I</b> I56'02	
	13348 Jul 22 15:20	0° m)		mmmum viong	13349 Jun 07 19:08	0.8e	2 1130
evening max el	13348 Jul 24 22:12	2° m/32'43	18°10'36	evening rise	13349 Jun 17 14:54	15° <b>©</b> 36'11	
retrograde	13348 Jul 31 06:43	5° m) 53'43	16 10 50	greatest brilliancy	13349 Jun 24 09:27	26°\$25'46	-0.9m
•		5° M) 10'27		greatest brilliancy	13349 Jun 26 15:42	20 <b>3</b> 25 40	-0.9111
evening set	13348 Aug 03 03:11	3 iii/1027 29°Ω49'19	2012/01	1			
inferior conj	13348 Aug 09 04:53			asc. node	13349 Jul 02 01:47	8° <b>Ω</b> 12'38	10026115
minimum elong	13348 Aug 09 07:23	29° <b>Ω</b> 42'19	2°10'44	evening max el	13349 Jul 08 10:57	16°Ω11'52	18°36'15
	13348 Aug 09 01:02	30°R€		retrograde	13349 Jul 14 23:32	19° <b>Ω</b> 44'00	
min. Earth dist.	13348 Aug 11 18:57		0.63548 AU	evening set	13349 Jul 18 04:36	18° <b>Ω</b> 45'28	
morning rise	13348 Aug 15 09:51	23° <b>Ω</b> 33'46		inferior conj	13349 Jul 23 20:39	13° <b>Ω</b> 08'47	2°47'30
desc. node	13348 Aug 17 06:56	22° <b>Ω</b> 19′06		minimum elong	13349 Jul 23 22:38	13° <b>Ω</b> 02'42	2°46'19
direct	13348 Aug 22 01:23	21° <b>Ω</b> 01'14		min. Earth dist.	13349 Jul 25 20:40	10° <b>Ω</b> 42′28	0.65481 AU
morning max el	13348 Sep 04 23:04	29° <b>Ω</b> 02'24	27°44'37	morning rise	13349 Jul 29 15:39	6° <b>Ω</b> 45'50	
	13348 Sep 05 21:35	0° <b>m</b> )		desc. node	13349 Aug 04 04:23	4° <b>Ω</b> 08'32	
	13348 Sep 27 12:34	0∘ <b>⊽</b>		direct	13349 Aug 05 01:59	4° <b>Ω</b> 05'36	
morning set	13348 Oct 09 17:44	22° <b>₽</b> 26'43		morning max el	13349 Aug 18 10:13	11° <b>Ω</b> 58'18	26°58'19
asc. node	13348 Oct 11 06:48	25° <b>♀</b> 34'04		<b>5</b>	13349 Sep 01 20:08	0° m)	
	13348 Oct 13 10:13	0°M₊			13349 Sep 20 02:21	0∘ <u>v</u>	
max. Earth dist.	13348 Oct 14 16:16	2°M38'24	1.32371 AU	morning set	13349 Sep 23 02:15	o <b>—</b> 5° <b>≏</b> 38'43	
max. Lattii dist.	13340 001 14 10.10	2 110/30 24	1.323/1 AU	•	•	14° <b>⊆</b> 00'09	1 22740 ATT
superior con:	122/18 Oat 17 14:04	8°M53'05	0°57'10	max. Earth dist.	13349 Sep 27 08:01	14° <b>22</b> 00′09	1.33749 AU
superior conj	13348 Oct 17 14:04			asc. node	13349 Sep 28 03:24	15 = 3831	
minimum elong	13348 Oct 17 11:50	8° <b>M</b> 41′02	0°5/21				
evening rise	13348 Oct 24 11:15	23°M52'05		superior conj	13349 Oct 01 15:47	22° <b>≏</b> 55'42	
	13348 Oct 27 08:58	0° <b>∡</b>		minimum elong	13349 Oct 01 14:10	22° <b>≏</b> 47'12	0°32'56
desc. node	13348 Nov 13 03:16	27° <b>∡</b> ′51'32			13349 Oct 04 23:45	0° <b>M</b>	
	13348 Nov 15 00:41	0°ප		evening rise	13349 Oct 08 21:38	8°M20'05	
evening max el	13348 Nov 16 16:30	1° <b>る</b> 41'33	23°21'29		13349 Oct 20 05:43	0° <b>∡</b> ¹	
retrograde	13348 Nov 30 00:52	8° <b>පි</b> 20'00		evening max el	13349 Oct 29 05:39	11° <b>∡</b> ¹46′27	21°41'38
evening set	13348 Dec 04 09:49	7° <b>る</b> 38'26		desc. node	13349 Oct 31 00:35	13° <b>х</b> 24′43	
min. Earth dist.	13348 Dec 11 02:26		0.55193 AU	retrograde	13349 Nov 10 14:01	17° <b>∡</b> ′54′09	
inferior conj	13348 Dec 12 16:16	3° <b>る</b> 34'22		evening set	13349 Nov 13 13:36	17° <b>х</b> <sup>7</sup> 34′00	
minimum elong	13348 Dec 12 18:30	3° <b>ප</b> 31'07		inferior conj	13349 Nov 22 09:29	13° <b>∡</b> ³39'54	-5°39'41
Ciong	13348 Dec 20 02:50	30°R. <b>₹</b>	5 55 15	minimum elong	13349 Nov 22 02:55	13° <b>×</b> <sup>7</sup> 49'06	
morning rise	13348 Dec 21 04:51	29° <b>×</b> <sup>7</sup> 43'02		min. Earth dist.	13349 Nov 22 02:33	13° <b>х</b> 4900	0.54528 AU
direct	13348 Dec 24 00:57	29° <b>x</b> 23'40		morning rise	13349 Nov 30 17:10	9° <b>×</b> <sup>7</sup> 52'00	5.57526 AU
uncci				-			
	13348 Dec 27 19:18	0°ಕ		direct	13349 Dec 04 09:42	9° <b>∡</b> ′22'19	

morning may al	12240 Dec 16 21:00	15° <b>∡</b> 120'40	22°08'24	morning rise	13350 Nov 10 05:01	19°M35'34	
morning max el	13349 Dec 16 21:00 13349 Dec 25 04:07	25° <b>х</b> 20'40	22-08-24	morning rise direct		19°11635'34 18°11649'27	
asc. node	13349 Dec 23 04.07 13349 Dec 27 23:18	23 x・3247 0°る		morning max el	13350 Nov 14 19:49 13350 Nov 28 08:10	25°M27'03	23°56'30
morning sot	13350 Jan 07 05:43	0 る 19° <b>る</b> 47'44		morning max er	13350 Nov 28 08.10 13350 Dec 02 14:08	23 1162703 0° <b>x</b> 7	23 30 30
morning set		19 047 44 0°≈		aga mada		13° <b>∡</b> ¹45'00	
	13350 Jan 12 00:36	0 ≈		asc. node	13350 Dec 12 01:11 13350 Dec 20 13:47	13 x·4300	
gumariar agni	12250 Jan 14 07:26	490052!10	1020100	marning gat		0°る 4° <b>る</b> 33'35	
superior conj	13350 Jan 14 07:36 13350 Jan 14 09:31	4°≈52'10 5°≈02'18	1°28'08 1°28'52	morning set	13350 Dec 22 17:36	4 033 33	
minimum elong max. Earth dist.		3 ≈02 18 12°≈59'49	1.34273 AU	aumorior coni	13350 Dec 29 13:46	19° <b>る</b> 26'43	1°36'16
	13350 Jan 18 05:31 13350 Jan 22 14:09	12 ≈3949 21°≈38'38	1.342/3 AU	superior conj		19 <b>3</b> 2043	1°37'14
evening rise				minimum elong	13350 Dec 29 14:39	19 <sup>-</sup> <b>る</b> 31 <sup>-</sup> 31 24° <b>る</b> 56'09	1.32789 AU
desc. node	13350 Jan 26 23:51 13350 Jan 27 01:26	29°≈52'51 0° <b>)</b> €		max. Earth dist.	13351 Jan 01 02:52	24°€3609 0°≈	1.32/89 AU
		0° <b>Υ</b> 0° <b>Υ</b>			13351 Jan 03 12:28	0°≈ 5°≈23'44	
	13350 Feb 15 02:12	13° <b>Υ</b> 26'16	26057102	evening rise	13351 Jan 06 03:43		
evening max el	13350 Feb 26 13:27	$20^{\circ}$ <b>Y</b> 52'37	26-57-03	desc. node	13351 Jan 13 20:34	20°≈01'28 0°¥	
retrograde	13350 Mar 11 21:04	$18^{\circ}$ <b>Y</b> 20'11			13351 Jan 19 17:14	26° <b>)</b> 48'30	27920122
evening set	13350 Mar 18 09:56	$18^{\circ}$ <b>Y</b> 20'11 $14^{\circ}$ <b>Y</b> 27'01	0.6704 ATT	evening max el	13351 Feb 09 02:22	20°π48'30 0°Υ	21-28-33
min. Earth dist.	13350 Mar 22 09:14	13° <b>Υ</b> 41'31	0.65784 AU	. 1	13351 Feb 12 18:38	0° γ 4° <b>Υ</b> 15'15	
asc. node	13350 Mar 23 01:13	13° <b>Y</b> '41'31	0020100	retrograde	13351 Feb 22 19:25	4°γ'15'15 1° <b>Υ</b> 47'18	
inferior conj	13350 Mar 24 12:40		0°28'09	evening set	13351 Mar 01 15:02		
minimum elong	13350 Mar 24 11:55	12° <b>Υ</b> 01'01	0°27'44	· F d F d	13351 Mar 03 19:09	30° <b>₹</b> ₩	0.64021.444
morning rise	13350 Mar 30 15:19	6° <b>Y</b> 24'03		min. Earth dist.	13351 Mar 05 10:31	28° <del>)(</del> 24'50	0.64021 AU
direct	13350 Apr 02 11:23	5° <b>Υ</b> 40'14	10005110	inferior conj	13351 Mar 08 01:20	25° <b>)</b> (40′57	
morning max el	13350 Apr 08 20:09	9° <b>Υ</b> 00'38	18°07'12	minimum elong	13351 Mar 08 02:28	25° <b>)</b> € 37'57	0°36'11
	13350 Apr 23 13:57	0°8		asc. node	13351 Mar 09 22:40	23° <b>)</b> (45'45	
desc. node	13350 Apr 25 02:09	2° <b>8</b> 26'10		morning rise	13351 Mar 14 16:05	20° <b>)</b> € 20'17	
morning set	13350 Apr 27 14:15	6° <b>8</b> 29'20		direct	13351 Mar 17 03:39	19° <b>)</b> (49'21	15040150
	13350 May 12 07:50	$\Pi$ $\circ$ 0		morning max el	13351 Mar 23 13:32	23° <b>)</b> €07'30	17°48'52
					13351 Mar 29 01:41	0°Υ	
superior conj	13350 May 12 13:16	0° <b>Ⅲ</b> 21'22		morning set	13351 Apr 09 08:45	18° <b>Y</b> °25'32	
minimum elong	13350 May 12 04:17	29° <b>8</b> 46'04	1°50'23	desc. node	13351 Apr 11 22:45	22° <b>Y</b> 47'31	
max. Earth dist.	13350 May 14 22:14	4° <b>Ⅱ</b> 04'27	1.45758 AU		13351 Apr 16 06:06	0°B	
evening rise	13350 May 28 15:39	25° <b>Ⅱ</b> 23'55					
	13350 May 31 15:03	0°©	^ <b>7</b>	superior conj	13351 Apr 22 11:53	10° <b>8</b> 13'25	
greatest brilliancy	13350 Jun 09 22:07	14°512'20	-0.7m	minimum elong	13351 Apr 22 04:16	9° <b>8</b> 42'38	
asc. node	13350 Jun 18 22:45	26°545'23		max. Earth dist.	13351 Apr 27 17:32	18° <b>႘</b> 35'24 0° <b>Ⅱ</b>	1.45068 AU
evening max el	13350 Jun 21 20:43 13350 Jun 21 19:39	0° <b>Ω</b> 29° <b>©</b> 57'22	19°18'52	evening rise	13351 May 05 00:53 13351 May 08 03:36	0 <u>П</u> 4° <b>П</b> 47'10	
retrograde	13350 Jun 28 20:33	3°Ω53'03	19 10 32	evening rise	13351 May 08 03:30 13351 May 25 01:54	4 <b>П</b> 4/10	
evening set	13350 Jul 28 20.33	2°Ω38'04		evening max el	13351 May 23 01:34 13351 Jun 04 22:53	13° <b>©</b> 45'28	20°16'46
evening set	13350 Jul 05 06:39	2 <b>8€</b> 58 0∓		asc. node	13351 Jun 05 19:46	14°936'04	20 10 40
inferior conj	13350 Jul 07 20:36	26°9547'22	3°06'50	retrograde	13351 Jun 12 19:16	18°9515'26	
minimum elong	13350 Jul 07 21:39	26°5643'57	3°05'46	evening set	13351 Jun 16 19:18	16°5543'34	
min. Earth dist.	13350 Jul 09 06:06	24°957'59	0.67031 AU	inferior conj	13351 Jun 22 01:58	10°5540'09	3°12'42
morning rise	13350 Jul 13 07:59	20°\$23'17	0.07031110	minimum elong	13351 Jun 22 01:59	10°5540'08	3°11'41
direct	13350 Jul 19 09:26	17° <b>©</b> 45'00		min. Earth dist.	13351 Jun 22 21:18	9° <b>©</b> 34'10	0.68136 AU
desc. node	13350 Jul 22 01:46	18° <b>©</b> 11'29		morning rise	13351 Jun 27 08:20	4°9518'53	***************************************
morning max el	13350 Jul 31 21:05	25° <b>©</b> 13'25	25°47'50	direct	13351 Jul 02 22:27	1° <b>©</b> 50'55	
8	13350 Aug 05 05:18	0°N		desc. node	13351 Jul 08 23:04	4°904'15	
	13350 Aug 26 07:50	0° <b>m</b>		morning max el	13351 Jul 14 07:11	8°539'28	24°22'54
morning set	13350 Sep 05 20:56	18° <b>m</b> ) 11'20		C	13351 Jul 31 01:56	$0^{\circ}\Omega$	
max. Earth dist.	13350 Sep 09 13:29	25° m/05'03	1.35611 AU	morning set	13351 Aug 18 21:20	29° <b>Ω</b> 53'25	
	13350 Sep 12 02:30	0∘ <u>v</u>		Č	13351 Aug 18 22:51	0° <b>m</b> )	
asc. node	13350 Sep 14 24:00	5° <b>≙</b> 45'11		max. Earth dist.	13351 Aug 22 12:10	6° mp 17'13	1.37837 AU
superior conj	13350 Sep 15 09:23	6° <b>ჲ</b> 32'32	0°03'42	superior conj	13351 Aug 29 15:32	19° <b>m</b> 35'17	-0°29'29
minimum elong	13350 Sep 15 09:10	6° <b>≙</b> 31'27	0°03'41	minimum elong	13351 Aug 29 17:33	19° <b>m</b> 44'59	0°29'25
behind sun begin	13350 Sep 15 03:09	6° <b>≙</b> 01'04		asc. node	13351 Sep 01 20:33	25° <b>m</b> 50'12	
behind sun end	13350 Sep 15 15:12	7° <b>≙</b> 01'54			13351 Sep 03 23:03	0∘ <b>⊽</b>	
evening rise	13350 Sep 23 05:08	22° <b>≏</b> 38'01		evening rise	13351 Sep 07 07:16	6° <b>≏</b> 39'16	
	13350 Sep 26 20:27	$0^{\circ}$ M			13351 Sep 20 14:24	$0^{\circ}$ M	
evening max el	13350 Oct 11 06:39	22°M25'17	20°16'20	evening max el	13351 Sep 23 21:47	3°M51'30	19°11'49
desc. node	13350 Oct 17 21:59	27°ML00'30		retrograde	13351 Oct 03 01:17	8°M26'13	
retrograde	13350 Oct 22 01:50	27° <b>M</b> 47'29		evening set	13351 Oct 04 21:50	8°M15'42	
evening set	13350 Oct 24 03:59	27°M36'20		desc. node	13351 Oct 04 19:27	8° <b>™</b> 16'47	
inferior conj	13350 Nov 02 02:59	23°M39'42	-4°27'37	inferior conj	13351 Oct 13 10:14	4°M04'18	
minimum elong	13350 Nov 01 16:54	23°M54'35		minimum elong	13351 Oct 13 03:17	4°M15'57	
min. Earth dist.	13350 Nov 03 16:14	22°M44'42	0.54799 AU	min. Earth dist.	13351 Oct 16 03:15	2°M15'39	0.55965 AU

	12251 0 / 20 01 00	200- 0			12252 G 26 20 20	100 0 40157	0.53003.444
	13351 Oct 20 01:09	30° <b>₹</b> Ω		min. Earth dist.	13352 Sep 26 20:30		0.57807 AU
morning rise	13351 Oct 21 06:07	29° <b>£</b> 27'46		morning rise	13352 Oct 01 01:30	9° <b>£</b> 58'45	
direct	13351 Oct 26 16:52	28° <b>£</b> 19'32		direct	13352 Oct 07 03:55	8° <b>₾</b> 23'52	27002122
	13351 Nov 02 07:42	0°M	25040125	morning max el	13352 Oct 21 11:21	15° <b>⊆</b> 57'34	27°02'22
morning max el	13351 Nov 09 18:40	5°M28'23	25°40'37		13352 Nov 01 22:16	0°M,	
	13351 Nov 27 11:56	0° <b>₹</b>		asc. node	13352 Nov 14 18:59	21°M53'26	
asc. node	13351 Nov 28 22:08	2° <b>₹</b> 35'13			13352 Nov 18 19:38	0° <b>∡</b>	
morning set	13351 Dec 07 05:02	19° <b>∡</b> 14'10		morning set	13352 Nov 20 14:20	3° <b>∡</b> ¹45′00	
	13351 Dec 12 02:49	0°る					
		_		superior conj	13352 Nov 27 11:04	18° <b>∡</b> ′51′19	
superior conj	13351 Dec 13 23:35	4° <b>る</b> 08'19		minimum elong	13352 Nov 27 09:51		1°34'58
minimum elong	13351 Dec 13 23:21	4° <b>る</b> 07'06		max. Earth dist.	13352 Nov 27 15:02	19° <b>∡</b> 13′29	1.31268 AU
max. Earth dist.	13351 Dec 15 07:02	7° <b>る</b> 02'15	1.31779 AU		13352 Dec 02 11:54	0°ප	
evening rise	13351 Dec 21 02:00	19° <b>る</b> 29'24		evening rise	13352 Dec 04 06:32	3° <b>る</b> 49'21	
	13351 Dec 26 08:10	0° <b>≈</b>		desc. node	13352 Dec 17 14:15	29° <b>る</b> 08'46	
desc. node	13351 Dec 31 17:21	9° <b>≈</b> 49'29			13352 Dec 18 02:43	0° <b>≈</b>	
	13352 Jan 14 00:12	0° <b>∀</b>		evening max el	13353 Jan 03 16:37	21° <b>≈</b> 40′56	26°58'03
evening max el	13352 Jan 22 12:21	9° <b>)</b> 37′32	27°30'20	retrograde	13353 Jan 17 15:31	28° <b>≈</b> 52'43	
retrograde	13352 Feb 05 09:54	16° <b>¥</b> 58′00		evening set	13353 Jan 24 09:11	26° <b>≈</b> 56'33	
evening set	13352 Feb 12 07:53	14° <b>) (</b> 42′01		min. Earth dist.	13353 Jan 28 06:47	24° <b>≈</b> 16′42	0.59818 AU
min. Earth dist.	13352 Feb 16 02:01	11° <b>)</b> 45′15	0.61990 AU	inferior conj	13353 Jan 31 11:19	21° <b>≈</b> 41'48	-3°14'44
inferior conj	13352 Feb 19 02:03	8° <b>¥</b> 58′22	-1°52'19	minimum elong	13353 Jan 31 18:17	21° <b>≈</b> 27'38	3°11'31
minimum elong	13352 Feb 19 05:57	8° <b>∺</b> 49'19	1°50'16	morning rise	13353 Feb 08 06:29	16° <b>≈</b> 58'53	
asc. node	13352 Feb 24 20:08	4° <b>₩</b> 31'17		direct	13353 Feb 10 07:48	16° <b>≈</b> 42'52	
morning rise	13352 Feb 26 06:47	3° <b>)</b> 54′59		asc. node	13353 Feb 10 17:34	16° <b>≈</b> 43'31	
direct	13352 Feb 28 11:50	3° <b>)</b> €33'15		morning max el	13353 Feb 17 20:24	20° <b>≈</b> 27'29	18°06'33
morning max el	13352 Mar 06 06:45	6° <b>)</b> 59'30	17°48'18		13353 Feb 24 23:30	0° <b>)</b> €	
	13352 Mar 21 06:34	$0^{\circ}$ Y		morning set	13353 Mar 05 10:55	15° <b>)</b> €09'05	
morning set	13352 Mar 22 01:41	1° <b>Y</b> 25'00			13353 Mar 13 11:51	$0^{\circ}$ Y	
desc. node	13352 Mar 28 19:16	13° <b>Y</b> 17'34					
				superior conj	13353 Mar 15 07:01	3° <b>Y</b> 13'46	0°02'55
superior conj	13352 Apr 02 09:38	21° <b>Y</b> 10'50	-0°35'28	minimum elong	13353 Mar 15 07:15	3° <b>Y</b> 14'49	0°02'55
minimum elong	13352 Apr 02 06:14	20° <b>Y</b> 56′29	0°35'14	behind sun begin	13353 Mar 14 23:38	2° <b>Y</b> 40'52	
	13352 Apr 07 16:57	0°8		behind sun end	13353 Mar 15 14:51	3° <b>Ƴ</b> 48'40	
max. Earth dist.	13352 Apr 09 10:06	2° <b>8</b> 47'18	1.43710 AU	desc. node	13353 Mar 15 15:44	3° <b>Y</b> 52'35	
evening rise	13352 Apr 16 18:32	14° <b>8</b> 26'22		max. Earth dist.	13353 Mar 22 22:00	16° <b>Ƴ</b> 24'45	1.41832 AU
_	13352 Apr 27 01:03	$\Pi^{\circ}0$		evening rise	13353 Mar 28 01:11	24° <b>Y</b> ′50'23	
evening max el	13352 May 17 20:20	27° <b>Ⅲ</b> 34′27	21°27'10	•	13353 Mar 31 07:04	0°8	
C	13352 May 20 12:20	0ം <b>ತಾ</b>			13353 Apr 20 22:08	$\Pi^{\circ}0$	
asc. node	13352 May 22 16:54	1° <b>©</b> 31'35		evening max el	13353 Apr 30 13:03	11° <b>Ⅱ</b> 23'49	22°45'44
retrograde	13352 May 26 17:48	2°5946'23		asc. node	13353 May 09 14:09	17° <b>Ⅱ</b> 15'03	
evening set	13352 May 31 04:25	0°958'00		retrograde	13353 May 10 14:35	17° <b>Ⅱ</b> 19'49	
8	13352 Jun 01 05:44	30°R <b>Ⅱ</b>		evening set	13353 May 15 12:23	15° <b>Ⅱ</b> 16'16	
inferior conj	13352 Jun 05 10:29	24° <b>∏</b> 43′24	3°07'01	inferior conj	13353 May 20 20:04	8° <b>Ⅲ</b> 52'41	2°50'48
minimum elong	13352 Jun 05 09:32	24° <b>∏</b> 46'41	3°05'55	minimum elong	13353 May 20 18:23	8° <b>Ⅱ</b> 58'32	
min. Earth dist.	13352 Jun 05 16:18	24° <b>Ⅱ</b> 23'08	0.68761 AU	min. Earth dist.	13353 May 20 12:59	9° <b>Ⅱ</b> 17'20	0.68908 AU
morning rise	13352 Jun 10 14:28	18° <b>Ⅱ</b> 27'16		morning rise	13353 May 26 00:17	2° <b>Ⅱ</b> 43′05	
direct	13352 Jun 15 15:57	16° <b>Ⅱ</b> 15'40		direct	13353 May 30 12:50	0° <b>Ⅲ</b> 51'14	
desc. node	13352 Jun 24 20:14	21° <b>∏</b> 20′32		morning max el	13353 Jun 08 08:51	5° <b>Ⅱ</b> 58'18	21°27'27
morning max el	13352 Jun 25 18:09	22° <b>∏</b> 14'17	22°53'18	desc. node	13353 Jun 11 17:16	9° <b>Ⅱ</b> 37'31	
	13352 Jul 02 12:07	0ಂತಾ			13353 Jun 26 17:43	0ಂತಾ	
	13352 Jul 23 09:02	$0^{\circ}\Omega$		morning set	13353 Jul 09 23:36	20°910'54	
morning set	13352 Jul 29 23:02	10° <b>Ω</b> 35'07		. 8	13353 Jul 16 02:14	0°N	
max. Earth dist.	13352 Aug 03 10:51	18° <b>Ω</b> 07'39	1.40190 AU	max. Earth dist.	13353 Jul 16 14:20		1.42387 AU
	13352 Aug 10 04:55	0° m/					
		• •		superior conj	13353 Jul 24 01:01	13° <b>Ω</b> 21′01	-1°37'33
superior conj	13352 Aug 11 06:16	1° m 55'02	-1°04'28	minimum elong	13353 Jul 24 07:59	13° <b>Ω</b> 51′04	
minimum elong	13352 Aug 11 11:03	2° mp 16'50			13353 Aug 02 10:26	0° m)	-
asc. node	13352 Aug 18 17:07	15° m 50'26	-	evening rise	13353 Aug 04 06:26	3° mp 19'28	
evening rise	13352 Aug 21 01:02	20° m/16'44		asc. node	13353 Aug 05 13:44	5° mp 41'30	
<i>3</i> - <i>7</i>	13352 Aug 26 05:27	0∘ <b>ʊ</b>		evening max el	13353 Aug 20 10:52	28° m 51'29	18°06'48
evening max el	13352 Sep 06 00:33	16° <b>≏</b> 03'20	18°29'00	<i>6 4</i> -	13353 Aug 21 16:57	0∘ <b>⊽</b>	
retrograde	13352 Sep	19° <b>Ω</b> 59'45		retrograde	13353 Aug 27 08:21	ა <b>_</b> 2° <b>ჲ</b> 22'55	
evening set	13352 Sep 15 19:53	19° <b>≏</b> 44'52		evening set	13353 Aug 29 15:41	1° <b>♀</b> 59'38	
desc. node	13352 Sep 10 15:58	17° <b>≏</b> 22'42		- · · · · · · · · · · · · · · · · · · ·	13353 Sep 02 06:35	30°R, m)	
inferior conj	13352 Sep 23 14:34	15° <b>£</b> 13'01	-0°54'59	inferior conj	13353 Sep 02 00:33	27° m) 07'21	0°35'18
minimum elong	13352 Sep 23 12:25	15° <b>⊆</b> 17'14		minimum elong	13353 Sep 05 17:18	27° mg 07'21'	0°34'43
					5-F 55 1,.10		

desc. node	13353 Sep 07 14:30	25° TD 20'54		inferior conj	13354 Aug 19 11:48	9° <b>m</b> 41'14	1°42'55
min. Earth dist.	13353 Sep 08 22:08	24° Mp 10'21	0.60023 AU	minimum elong	13354 Aug 19 14:13	9° <b>™</b> 34'55	1°41'42
morning rise	13353 Sep 12 15:41	21° <b>m</b> 21'06		min. Earth dist.	13354 Aug 22 09:11	6° Mp 41′27	0.62309 AU
direct	13353 Sep 19 04:15	19° <b>m</b> 18'59		morning rise	13354 Aug 25 23:18	3° <b>m</b> 33'34	
morning max el	13353 Oct 03 11:47	27° mp 10'58	27°49'05	desc. node	13354 Aug 25 12:02	3° m 54'27	
Ü	13353 Oct 06 04:27	0∘ <u>ଫ</u>		direct	13354 Sep 01 15:41	1° <b>m</b> 09'20	
	13353 Oct 26 14:29	0°M		morning max el	13354 Sep 15 18:17	9° mg 10'25	27°56'45
asc. node	13353 Nov 01 15:43	11°M31'28		morning max cr	13354 Oct 01 21:54	0∘⊽	27 30 13
						0 <b>==</b> 0°M	
morning set	13353 Nov 04 19:39	18°M00'55			13354 Oct 18 19:52		
	13353 Nov 10 08:34	0° <b>∡</b>		morning set	13354 Oct 19 18:57	1°M57'04	
max. Earth dist.	13353 Nov 10 23:07	1° <b>≯</b> ′20'40	1.31271 AU	asc. node	13354 Oct 19 12:24	1°M23'39	
				max. Earth dist.	13354 Oct 25 03:28	13° <b>M</b> .14'46	1.31812 AU
superior conj	13353 Nov 11 22:21	3° <b>∡</b> ¹29'59	1°24'12				
minimum elong	13353 Nov 11 20:25	3° <b>∡</b> 19'11	1°24'52	superior conj	13354 Oct 27 07:37	17° <b>M</b> 59'24	1°08'39
evening rise	13353 Nov 18 15:08	18° <b>∡</b> 17'46		minimum elong	13354 Oct 27 05:20	17° <b>M</b> 46'56	1°09'01
C	13353 Nov 24 07:06	აი		C	13354 Nov 01 18:33	0° <b>∡</b> ¹	
desc. node	13353 Dec 04 11:19	17° <b>る</b> 48'06		evening rise	13354 Nov 03 01:55	2° <b>∡</b> ′50'07	
dese. Hode	13353 Dec 04 11:19	0°≈		evening rise	13354 Nov 17 12:15	0° <b>る</b>	
			25052100				
evening max el	13353 Dec 16 12:52	2°≈51'38	25°52'08	desc. node	13354 Nov 21 08:29	5°る32'08	
retrograde	13353 Dec 30 10:55	9° <b>≈</b> 53'58		evening max el	13354 Nov 28 01:26	13° <b>る</b> 15'19	24°20'15
evening set	13354 Jan 05 14:48	8° <b>≈</b> 25'06		retrograde	13354 Dec 11 17:46	20° <b>る</b> 04'37	
min. Earth dist.	13354 Jan 10 01:40	5° <b>≈</b> 48'06	0.57703 AU	evening set	13354 Dec 16 20:53	19° <b>る</b> 06'50	
inferior conj	13354 Jan 13 01:37	3° <b>≈</b> 41'40	-4°35'20	min. Earth dist.	13354 Dec 22 13:00	16° <b>る</b> 14'44	0.55932 AU
minimum elong	13354 Jan 13 10:24	3° <b>≈</b> 26'12	4°32'02	inferior conj	13354 Dec 24 19:08	14° <b>る</b> 51'16	-5°36'57
Č	13354 Jan 19 06:57	30°R₹		minimum elong	13354 Dec 25 01:28	14° <b>る</b> 41'29	
morning rise	13354 Jan 21 08:48	29° <b>る</b> 20'55		morning rise	13355 Jan 02 08:00	10°る50'44	
direct	13354 Jan 23 11:03	29°る07'04		direct	13355 Jan 02 08:00	10 030 44 10°る34'51	
direct							10046140
	13354 Jan 27 10:23	0° <b>≈</b>		morning max el	13355 Jan 14 21:09	15° <b>る</b> 26'02	19°46'48
asc. node	13354 Jan 28 14:56	0° <b>≈</b> 36'54		asc. node	13355 Jan 15 12:14	16° <b>る</b> 03'27	
morning max el	13354 Feb 01 02:36	3° <b>≈</b> 20′27	18°45'27		13355 Jan 25 06:21	0° <b>≈</b>	
morning set	13354 Feb 17 07:33	29° <b>≈</b> 23'22		morning set	13355 Feb 01 11:43	13° <b>≈</b> 55'52	
	13354 Feb 17 15:04	0° <b>∀</b>					
				superior conj	13355 Feb 09 08:32	29° <b>≈</b> 49'04	1°01'41
superior conj	13354 Feb 26 00:14	16° <b>∺</b> 11'18	0°35'45	minimum elong	13355 Feb 09 11:18	0° <b>)</b> 02'49	1°01'54
minimum elong	13354 Feb 26 02:28	16° <b>¥</b> 21'46	0°35'44	8	13355 Feb 09 10:44	0° <b>)</b> €	
desc. node	13354 Mar 02 12:14	24° <b>\(\)</b> 29'16	0 33 11	max. Earth dist.	13355 Feb 15 11:40	1 1 1	1.37399 AU
max. Earth dist.		29° <b>H</b> 19'39	1.39646 AU	desc. node		15°\(\)03'23	1.57577 AC
max. Earth dist.	13354 Mar 05 05:28		1.39040 AU		13355 Feb 17 08:46		
	13354 Mar 05 14:40	0° <b>Υ</b>		evening rise	13355 Feb 19 05:04	18° <b>)</b> 22'43	
evening rise	13354 Mar 09 04:56	6° <b>Y</b> 10'42			13355 Feb 26 00:02	0° <b>Υ</b>	
	13354 Mar 24 08:31	$9^{\circ}$ 8			13355 Mar 18 14:30	$9^{\circ}$ 8	
evening max el	13354 Apr 13 03:11	25° <b>8</b> 15'33	24°06'39	evening max el	13355 Mar 26 16:44	9° <b>8</b> 08'18	25°23'13
	13354 Apr 18 21:00	$\Pi^{\circ}0$		retrograde	13355 Apr 07 21:45	16° <b>8</b> 12'03	
retrograde	13354 Apr 24 08:19	1° <b>Ⅱ</b> 50'39		asc. node	13355 Apr 13 08:54	14° <b>8</b> 05'51	
asc. node	13354 Apr 26 11:29	1° <b>Ⅲ</b> 30′15		evening set	13355 Apr 13 18:39	13° <b>8</b> 45'57	
	13354 Apr 29 05:04	30°R₩		min. Earth dist.	13355 Apr 18 03:00	8° <b>8</b> 58'48	0.67834 AU
evening set	13354 Apr 29 17:41	29° <b>8</b> 34'13		inferior conj	13355 Apr 19 10:58	7° <b>8</b> 15'22	1°47'50
•	-		0.60504.411	-	•		
min. Earth dist.	13354 May 04 09:18	24° <b>8</b> 11'21	0.68594 AU	minimum elong	13355 Apr 19 08:53	7° <b>8</b> 22'07	1°46'38
inferior conj	13354 May 05 04:53	23° <b>8</b> 04'54	2°24'27	morning rise	13355 Apr 24 23:33	1° <b>8</b> 22'30	
minimum elong	13354 May 05 02:47	23° <b>8</b> 12'03	2°23'09	direct	13355 Apr 28 11:55	0° <b>8</b> 11'29	
morning rise	13354 May 10 11:57	17° <b>8</b> 03'00		morning max el	13355 May 05 10:43	3° <b>8</b> 59'08	19°10'34
direct	13354 May 14 12:00	15° <b>8</b> 31'55		desc. node	13355 May 16 10:59	18° <b>8</b> 12'43	
morning max el	13354 May 22 06:01	19° <b>8</b> 53'41	20°11'51	greatest brilliancy	13355 May 18 09:09	21° <b>8</b> 03'39	-0.7m
desc. node	13354 May 29 14:10	28° <b>8</b> 39'03			13355 May 24 06:47	$\Pi^{\circ}0$	
	13354 May 30 14:09	$\Pi^{\circ}0$		morning set	13355 May 29 07:58	7° <b>Ⅱ</b> 45'46	
morning set	13354 Jun 19 04:35	28° <b>I</b> 57'36		max. Earth dist.	13355 Jun 11 15:55	28° <b>Ⅲ</b> 29'25	1.45363 AU
morning set	13354 Jun 19 20:46	0°95		max. Lartii dist.	13355 Jun 12 14:58	0°95	1.43303 AC
Double died			1 44175 ATT		15555 Juli 12 14.56	0 3	
max. Earth dist.	13354 Jun 29 00:10	14° <b>©</b> 20'27	1.44175 AU		10055 1 11 15 01	22010110	2012122
				superior conj	13355 Jun 14 17:24	3°9518'48	
superior conj	13354 Jul 04 20:26	23° <b>©</b> 47'19		minimum elong	13355 Jun 14 17:52	3° <b>5</b> 20'37	2°14'35
minimum elong	13354 Jul 05 02:38	24° <b>©</b> 12'45	2°03'32	evening rise	13355 Jun 29 08:32	26° <b>©</b> 53'47	
	13354 Jul 08 14:35	$0$ $^{\circ}\Omega$			13355 Jul 01 05:53	$0$ $^{\circ}$ $\Omega$	
evening rise	13354 Jul 17 18:36	15° <b>Ω</b> 35'44		asc. node	13355 Jul 10 07:15	14° <b>Ω</b> 37'41	
asc. node	13354 Jul 23 10:27	25° <b>Ω</b> 19'11		evening max el	13355 Jul 18 14:55	25° <b>Ω</b> 39'42	18°19'25
	13354 Jul 26 05:50	0° <b>m</b> )		retrograde	13355 Jul 24 23:59	29° <b>Ω</b> 03'29	
evening max el	13354 Aug 04 00:50	12° <b>m</b> ) 06'43	18°03'57	evening set	13355 Jul 28 00:08	28° <b>Ω</b> 13'51	
retrograde	13354 Aug 10 11:14	15° mp 27'21		inferior conj	13355 Aug 02 21:18	22°Ω46'06	2°29'13
-	_	-			_	22° <b>Ω</b> 39'13	2°27'57
evening set	13354 Aug 13 02:49	14° Mp 52'12		minimum elong	13355 Aug 02 23:40	44 <b>66</b> 39 13	2 2131

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min. Earth dist.	13355 Aug 05 05:38	20° <b>Ω</b> 03'19	0.64419 AU	minimum elong	13356 Jul 16 18:31	6° <b>Ω</b> 09'05	2°56'22
morning rise	13355 Aug 03 03.38 13355 Aug 08 21:48	$16^{\circ}\Omega 26'46$	0.04419 AU	min. Earth dist.	13356 Jul 18 10:39	4°Ω02'50	0.66198 AU
desc. node	13355 Aug 08 21:48 13355 Aug 12 09:31	$14^{\circ}\Omega 23'25$		morning rise	13356 Jul 22 08:23	29° <b>©</b> 50'24	0.00198 AC
direct	13355 Aug 15 11:52	13°Ω49'33		morning risc	13356 Jul 22 03:59	30°R95	
morning max el	13355 Aug 19 14:32	21° <b>Ω</b> 48'24	27°28'21	direct	13356 Jul 28 15:21	27°9510'08	
morning max cr	13355 Sep 05 08:11	0° m)	27 2021	desc. node	13356 Jul 29 06:57	27° <b>©</b> 10'00	
	13355 Sep	0∘ <del>⊽</del>		dese. Hode	13356 Aug 05 00:12	0°Ω	
morning set	13355 Oct 03 09:44	15° <b>≏</b> 27'27		morning max el	13356 Aug 10 15:27	4° <b>Ω</b> 53'34	26°30'44
asc. node	13355 Oct 06 09:02	21° <b>Ω</b> 25'05			13356 Aug 29 20:30	0° m)	
max. Earth dist.	13355 Oct 08 00:40	24° <b>Ω</b> 49'29	1.32893 AU	morning set	13356 Sep 15 12:47	28° m) 23'28	
	13355 Oct 10 11:40	0°M₊		C	13356 Sep 16 09:11	0∘ <u>⊽</u>	
				max. Earth dist.	13356 Sep 19 12:11	6° <b>≏</b> 03'25	1.34492 AU
superior conj	13355 Oct 11 12:47	2°M14'03	0°47'33	asc. node	13356 Sep 22 05:36	11° <b>≏</b> 30'47	
minimum elong	13355 Oct 11 10:43	2°M03'03	0°47'38		-		
evening rise	13355 Oct 18 13:01	17° <b>M</b> 21'41		superior conj	13356 Sep 24 11:22	16° <b>≏</b> 06'28	0°21'06
	13355 Oct 24 17:19	0° <b>∡</b> ¹		minimum elong	13356 Sep 24 10:14	16° <b>≏</b> 00'38	0°21'04
desc. node	13355 Nov 08 05:46	22° <b>х</b> 00′43			13356 Oct 01 02:10	$0^{\circ}$ M	
evening max el	13355 Nov 09 11:46	23° <b>∡</b> 16'57	22°38'03	evening rise	13356 Oct 01 22:26	1°M46'13	
retrograde	13355 Nov 22 11:34	29° <b>х</b> ⁴43'39			13356 Oct 18 01:02	0° <b>∡</b> ¹	
evening set	13355 Nov 26 05:52	29° <b>∡</b> 12'45		evening max el	13356 Oct 21 05:06	3° <b>∡</b> ³32′26	21°02'57
min. Earth dist.	13355 Dec 03 19:52	25° <b>∡</b> ¹47'12	0.54802 AU	desc. node	13356 Oct 25 03:08	6° <b>∡</b> ¹47'17	
inferior conj	13355 Dec 04 18:39	25° <b>∡</b> 14'57	-5°55'39	retrograde	13356 Nov 01 22:24	9° <b>∡</b> ¹21'58	
minimum elong	13355 Dec 04 17:02	25° <b>∡</b> 17'16	5°54'35	evening set	13356 Nov 04 11:07	9° <b>₰</b> 06'50	
morning rise	13355 Dec 13 05:30	21° <b>₹</b> 27'04		inferior conj	13356 Nov 13 10:02	5° <b>∡</b> 13'05	-5°15'08
direct	13355 Dec 16 10:00	21° <b>∡</b> °03'49		minimum elong	13356 Nov 13 01:00	5° <b>₹</b> ¹25'52	5°12'25
morning max el	13355 Dec 28 01:20	26° <b>∡</b> ³37′23	21°11'02	min. Earth dist.	13356 Nov 14 01:52	4° <b>₹</b> 750'40	0.54531 AU
	13355 Dec 31 04:53	0° <b>ろ</b>		morning rise	13356 Nov 21 15:20	1° <b>∡</b> ′21'14	
asc. node	13356 Jan 02 09:26	2° <b>る</b> 47'23		direct	13356 Nov 25 17:35	0° <b>∡</b> ¹45'19	
morning set	13356 Jan 16 20:34	28° <b>る</b> 38'33		morning max el	13356 Dec 08 16:45		22°53'48
	13356 Jan 17 12:11	0° <b>≈</b>		asc. node	13356 Dec 19 06:33	20° <b>∡</b> ³31'17	
					13356 Dec 24 16:42	0° <b>ろ</b>	
superior conj	13356 Jan 24 03:48	13°≈55'56	1°20'28	morning set	13356 Dec 31 07:52	13° <b>る</b> 24'34	
minimum elong	13356 Jan 24 06:12	14°≈08'18	1°21'01		12255 1 05 05 15	200720115	100000
max. Earth dist.	13356 Jan 28 21:38	23° <b>≈</b> 31'39	1.35324 AU	superior conj	13357 Jan 07 06:45	28° <b>る</b> 22'15	1°32'23
	13356 Feb 01 06:00	0° <b>∺</b> 1° <b>∺</b> 17'41		minimum elong	13357 Jan 07 08:15 13357 Jan 08 01:03	28°る30'16 0°≈	1°33′13
evening rise desc. node	13356 Feb 01 22:30 13356 Feb 04 05:23	5° <b>X</b> 31'15		max. Earth dist.	13357 Jan 10 14:33	0 ≈ 5°≈23'57	1.33587 AU
desc. Hode	13356 Feb 19 01:41	0° <b>Υ</b>		evening rise	13357 Jan 15 05:36	3 ≈23 37 14°≈46'12	1.55567 AU
evening max el	13356 Mar 08 06:33	22° <b>Υ</b> 56'41	26°28'01	desc. node	13357 Jan 21 02:04	25°≈48'11	
evening max ci	13356 Mar 18 23:20	0°8	20 28 01	desc. Hode	13357 Jan 23 10:54	0° <b>)</b> €	
retrograde	13356 Mar 21 05:53	0° <b>8</b> 17'12			13357 Feb 12 19:33	0° <b>Υ</b>	
retrograde	13356 Mar 23 10:08	30°RY		evening max el	13357 Feb 18 20:01	6° <b>Ƴ</b> 30'57	27°13'42
evening set	13356 Mar 27 13:31	27° <b>Y</b> ′45'34		retrograde	13357 Mar 04 07:56	13° <b>Υ</b> 58'04	27 13 12
asc. node	13356 Mar 30 06:21	25° <b>Y</b> ′09'17		evening set	13357 Mar 11 00:19	11° <b>Y</b> ′26'32	
min. Earth dist.	13356 Mar 31 15:51	23° <b>Y</b> ′33'17	0.66650 AU	min. Earth dist.	13357 Mar 14 21:45	7° <b>Ƴ</b> 47'10	0.65074 AU
inferior conj	13356 Apr 02 12:13	21° <b>Y</b> °19'16	1°00'29	inferior conj	13357 Mar 17 06:14	5° <b>Ƴ</b> 10'57	0°01'57
minimum elong	13356 Apr 02 10:46	21° <b>Y</b> ′23'40	0°59'41	minimum elong	13357 Mar 17 06:11	5° <b>Y</b> 11'07	0°01'57
morning rise	13356 Apr 08 08:58	15° <b>Ƴ</b> 37'14		transit middle	13357 Mar 17 06:11	5° <b>Ƴ</b> 11'07	0°01'57
direct	13356 Apr 11 10:43	14° <b>Y</b> '44'13		transit begin	13357 Mar 17 03:10	5° <b>Y</b> 19'28	
morning max el	13356 Apr 17 22:11	18° <b>Ƴ</b> 10'43	18°25'30	transit end	13357 Mar 17 09:11	5° <b>Y</b> '02'46	
	13356 Apr 27 00:34	$9^{\circ}$ 8		asc. node	13357 Mar 17 03:48	5° <b>Y</b> 17'42	
desc. node	13356 May 02 07:41	8° <b>8</b> 09'48			13357 Mar 22 23:46	30° <b>₹</b> ₩	
morning set	13356 May 08 06:37	17° <b>8</b> 33'59		morning rise	13357 Mar 23 13:45	29° <b>¥</b> 42′01	
	13356 May 16 03:49	$\Pi$ $^{\circ}0$		direct	13357 Mar 26 06:06	29° <b>∺</b> 04'02	
					13357 Mar 29 12:59	$0^{\circ}$ Y	
superior conj	13356 May 24 01:39	12° <b>Ⅲ</b> 22'47		morning max el	13357 Apr 01 14:15	2° <b>Y</b> 21'47	17°57'22
minimum elong	13356 May 23 18:44	11° <b>Ⅱ</b> 55'46		morning set	13357 Apr 19 09:31	28° <b>Y</b> ′45′20	
max. Earth dist.	13356 May 24 11:35		1.45835 AU	desc. node	13357 Apr 19 04:19	28° <b>Y</b> ′23'50	
	13356 Jun 04 08:08	0ං <b>ව</b>			13357 Apr 20 03:39	0°8	
evening rise	13356 Jun 08 21:55	7° <b>©</b> 11'15				4 *	
greatest brilliancy	13356 Jun 18 07:07	21° <b>©</b> 53'47	-0.8m	superior conj	13357 May 03 14:31	21° <b>8</b> 46'05	
_	13356 Jun 23 16:18	0°N		minimum elong	13357 May 03 05:28	21° <b>8</b> 10'12	
asc. node	13356 Jun 26 04:08	3° <b>Ω</b> 29'43	100 5015	max. Earth dist.	13357 May 07 07:53		1.45550 AU
evening max el	13356 Jul 01 02:14	9° <b>Ω</b> 22'25	18°52'21		13357 May 08 20:04	0°Ⅱ 160Ⅲ44447	
retrograde	13356 Jul 07 18:55	13° <b>Ω</b> 02'46		evening rise	13357 May 19 15:36	16° <b>Ⅱ</b> 44'47	
evening set	13356 Jul 11 03:54	11° <b>\O</b> 57'08	2057120	grantest builli	13357 May 28 08:08	0°© 7°©56'34	0.600
inferior conj	13356 Jul 16 16:54	6° <b>Ω</b> 14'12	4 31 49	greatest brilliancy	13357 Jun 02 16:00	7° <b>9</b> 56'34	-0.6m

asc. node	13357 Jun 13 01:08	21° <b>©</b> 46'35		evening max el	13358 May 28 09:19	6° <b>©</b> 58'03	20°45'22
evening max el	13357 Jun 14 08:42	23° <b>©</b> 09'47	19°41'39	asc. node	13358 May 30 22:14	9° <b>©</b> 15'49	20 43 22
retrograde	13357 Jun 21 17:03	27°9519'03	17 41 37	retrograde	13358 Jun 05 16:02	11°9645'48	
evening set	13357 Jun 25 11:22	25°956'45		evening set	13358 Jun 09 20:23	10°906'56	
inferior conj	13357 Jun 30 19:30	20°500'12	3°10'50	inferior conj	13358 Jun 15 02:29	3°958'22	3°11'38
minimum elong	13357 Jun 30 19:90 13357 Jun 30 20:06	19°958'11	3°09'48	minimum elong	13358 Jun 15 02:04	3°959'48	3°10'36
min. Earth dist.	13357 Jul 01 22:48	18°929'01	0.67557 AU	min. Earth dist.	13358 Jun 15 15:59	3°911'40	
morning rise	13357 Jul 06 04:26	13°936'53	0.07557710	mm. Larm dist.	13358 Jun 18 02:18	30°RⅡ	0.00433710
direct	13357 Jul 12 01:08	11° <b>©</b> 02'25		morning rise	13358 Jun 20 07:29	27° <b>I</b> 38'48	
desc. node	13357 Jul 16 04:15	12°905'15		direct	13358 Jun 25 16:14	25° <b>I</b> 17'14	
morning max el	13357 Jul 24 02:12	18°9515'35	25°12'57	desc. node	13358 Jul 03 01:28	28° <b>I</b> I36'34	
morning max or	13357 Aug 02 23:28	0° <b>Ω</b>	20 12 0 /	dese. Hode	13358 Jul 04 16:22	0°95	
	13357 Aug 02 23:20 13357 Aug 22 21:19	0° <b>m</b> )		morning max el	13358 Jul 06 12:29	1°946'07	23°44'49
morning set	13357 Aug 29 00:17	10° Mp 36'26		morning max cr	13358 Jul 27 22:58	0°Ω	23 11 15
max. Earth dist.	13357 Nag 25 00:17 13357 Sep 01 14:28	17° <b>m</b> ) 09'41	1.36531 AU	morning set	13358 Aug 10 15:36	21°Ω54'48	
max. Earth dist.	15557 Sep 01 11.20	17 11000 11	1.50551710	max. Earth dist.	13358 Aug 14 12:01	28° <b>Ω</b> 33'56	1.38838 AU
superior conj	13357 Sep 08 00:31	29° <b>m</b> 29'54	-0°10'00	max. Lartii dist.	13358 Aug 15 07:32	0° <b>m</b> )	1.50050710
minimum elong	13357 Sep 08 01:09	29° m <sub>2</sub> 33'03	0°10'00		13330 Aug 13 07.32	V IIĮV	
behind sun begin	13357 Sep 08 01:09 13357 Sep 07 20:04	29° m) 07'54	0 10 00	superior conj	13358 Aug 22 00:38	12° <b>m</b> ) 15'42	-0°44'18
behind sun end	13357 Sep 07 20:04 13357 Sep 08 06:14	29° m 58'14		minimum elong	13358 Aug 22 03:48	12° My 30'36	
bennia sun ena	13357 Sep 08 06:14 13357 Sep 08 06:35	ე∘ <u>ი</u>		asc. node	13358 Aug 26 22:44	21° Mp 41'05	0 44 0)
asc. node	13357 Sep 00 00:35 13357 Sep 09 02:10	۱° <b>ユ</b> 37'23		evening rise	13358 Aug 31 03:00	29° m 50'41	
evening rise	13357 Sep 05 02:10 13357 Sep 16 03:59	15° <b>≙</b> 58'18		evening rise	13358 Aug 31 04:54	0° <b>⊡</b>	
evening rise	13357 Sep 10 03:35 13357 Sep 23 09:16	0° <b>M</b>		evening max el	13358 Sep 16 08:36	0 <b>—</b> 26° <b>≏</b> 17'19	18°50'58
evening max el	13357 Oct 03 12:01	14°ML30'16	19°46'05	evening max er	13358 Sep 10 08:50	0°ML	10 30 30
desc. node	13357 Oct 12 00:33	19°M25'14	17 40 03	retrograde	13358 Sep 24 21:17	0°MJ34'11	
retrograde	13357 Oct 12 00:33	19°MJ32'17		evening set	13358 Sep 26 18:31	0°M22'27	
evening set	13357 Oct 15 14:12 13357 Oct 15 12:08	19°M22'14		evening set	13358 Sep 28 03:22	30°R <u>₽</u>	
inferior conj	13357 Oct 24 07:59	15°M20'06	-3°44'58	desc. node	13358 Sep 28 22:01	29° <b>£</b> 42'32	
minimum elong	13357 Oct 24 07:59	15°MJ34'31	3°41'11	inferior conj	13358 Oct 04 23:51	26° <b>₽</b> 03'02	-1°55'30
min. Earth dist.	13357 Oct 25 22:41 13357 Oct 26 10:37	14° <b>M</b> .01'39	0.55196 AU	minimum elong	13358 Oct 04 25:51 13358 Oct 04 19:00	26° <b>⊆</b> 11'42	1°53'13
morning rise	13357 Nov 01 07:36	11°ML03'23	0.55170710	min. Earth dist.	13358 Oct 04 19:00 13358 Oct 08 00:21	23° <b>⊆</b> 53'43	0.56683 AU
direct	13357 Nov 06 06:58	10°ML08'49		morning rise	13358 Oct 08 00:21 13358 Oct 12 16:15	21° <b>⊆</b> 09'58	0.50005 AC
morning max el	13357 Nov 20 02:44	17° <b>ML</b> 00'45	24°42'31	direct	13358 Oct 18 10:17	19° <b>≙</b> 50'30	
morning max ci	13357 Nov 30 15:36	0° <b>∡</b> 7	24 42 31	morning max el	13358 Nov 01 15:28	27° <b>⊆</b> 11'41	26°19'00
asc. node	13357 Dec 06 03:32	9° <b>∡</b> 100'42		morning max cr	13358 Nov 04 08:50	0°M	20 17 00
morning set	13357 Dec 00 03:32 13357 Dec 15 19:44	28°×7'08'37		asc. node	13358 Nov 23 00:26	28°ML04'09	
morning set	13357 Dec 16 16:24	0°る		ase. node	13358 Nov 24 00:39	0° <b>∡</b> 7	
	13337 DCC 10 10.24	0 0		morning set	13358 Nov 30 06:28	12° <b>×</b> <sup>7</sup> 46'05	
superior conj	13357 Dec 22 14:42	13° <b>る</b> 00'27	1°37'48	morning set	13336 NOV 30 00.26	12 7 4003	
minimum elong	13357 Dec 22 14:42 13357 Dec 22 15:07	13° <b>る</b> 00'27		superior conj	13358 Dec 07 01:30	27° <b>∡</b> ¹44'06	1°37'07
max. Earth dist.	13357 Dec 24 14:55	17°る23'36	1.32294 AU	minimum elong	13358 Dec 07 00:50	27° × 40'25	1°38'08
evening rise	13357 Dec 24 14:35 13357 Dec 29 23:09	28°る40'22	1.322)4 AU	max. Earth dist.	13358 Dec 07 00:50	29° <b>х</b> 32'21	1.31494 AU
evening rise	13357 Dec 29 25:09 13357 Dec 30 14:48	0°≈		max. Lartii dist.	13358 Dec 07 20:56	0°る	1.51474 AC
desc. node	13358 Jan 07 22:49	15° <b>≈</b> 48'45		evening rise	13358 Dec 14 00:24	12°る53'29	
dese. Hode	13358 Jan 16 14:42	0° <b>₩</b>		evening rise	13358 Dec 22 17:34	0°≈	
evening max el	13358 Feb 01 07:42	19° <b>∺</b> 39'30	27°33'16	desc. node	13358 Dec 25 19:39	5°≈26'06	
retrograde	13358 Feb 15 03:12	27° <b>H</b> 04'56	27 33 10	desc. node	13359 Jan 12 11:10	0° <b>∺</b>	
evening set	13358 Feb 22 00:34	24° <b>)</b> 40'44		evening max el	13359 Jan 14 15:33	2° <b> </b>	27°20'58
min. Earth dist.	13358 Feb 25 18:53	21° <b>H</b> 30'19	0.63176 AU	retrograde	13359 Jan 28 14:26	9° <b>H</b> 28'38	27 20 30
inferior conj	13358 Feb 28 14:11	18° <b>)</b> 43'06		evening set	13359 Feb 04 11:19	9 <b>X</b> 28 38 7° <b>¥</b> 20′10	
minimum elong	13358 Feb 28 16:24	18° <b>)</b> 37'34		min. Earth dist.	13359 Feb 08 06:05	4° <b>H</b> 31'47	0.61063 AU
asc. node	13358 Mar 04 01:16	15° <b>)</b> 31'44	1 00 51	inferior conj	13359 Feb 11 08:48	1° <b>)</b> 47'49	
morning rise	13358 Mar 07 10:44	13° <b>¥</b> 29'48		minimum elong	13359 Feb 11 14:01	1° <b>)</b> (36'20	
direct	13358 Mar 09 19:13	13° <b>X</b> 23'48		minimum ciong	13359 Feb 13 11:23	1 7€30 20 30°R≈	2 24 12
morning max el	13358 Mar 16 08:01	16° <b>¥</b> 23'39	17°46'30	morning rise	13359 Feb 18 19:46	26°≈52'51	
morning max ci	13358 Mar 26 01:25	0° <b>Υ</b>	17 4030	asc. node	13359 Feb 18 12:42	26°≈50'46	
morning set	13358 Apr 01 14:16	11° <b>Υ</b> 10'19		direct	13359 Feb 18 22:42 13359 Feb 20 22:37	26°≈34'07	
desc. node	13358 Apr 01 14:10	11 <b>γ</b> 10 19 18° <b>γ</b> 49'13		direct	13359 Feb 20 22:37 13359 Feb 27 21:12	20 ≈3407 0° <b>H</b>	
dose, noue	13358 Apr 00 00:31 13358 Apr 12 16:09	0° <b>8</b>		morning max el	13359 Feb 27 21:12 13359 Feb 28 00:13	0° <b>₩</b> 07'20	17°53'40
	15556 Apr 12 10.09	ν <b>Ο</b>		morning set	13359 Mar 15 14:52	24° <b>H</b> 31'07	1/ 2340
superior con:	12258 Apr 12 22:26	2° <b>8</b> 04'57	0058144	morning set		24° <b>π</b> 3107 0° <b>Υ</b>	
superior conj	13358 Apr 13 22:26	1° <b>8</b> 40'37		desc. node	13359 Mar 18 15:25	0° <b>Υ</b> 22'04	
minimum elong max. Earth dist.	13358 Apr 13 16:32	1° <b>8</b> 40'37	1.44554 AU	uesc. Houe	13359 Mar 23 21:22	7 1 42 U4	
	13358 Apr 20 01:56	12 00149	1.44JJ4 AU				
evening rise	-	260 200120		gunariar aar:	12250 Mar 26 06:24	1201021121	0010142
	13358 Apr 29 02:46	26° <b>႘</b> 09'30		superior conj	13359 Mar 26 06:34	13° <b>Y</b> 31'21	
	-	26° <b>ප</b> 09'30 0°II 0°ණ		superior conj minimum elong max. Earth dist.	13359 Mar 26 06:34 13359 Mar 26 04:53 13359 Apr 02 16:08	13° <b>Y</b> 31'21 13° <b>Y</b> 24'06 25° <b>Y</b> 58'50	

	13359 Apr 05 03:27	0° <b>႘</b>		max. Earth dist.	13360 Mar 15 02:05	9° <b>℃</b> 18'57	1.40930 AU
evening rise	13359 Apr 08 23:15	6° <b>8</b> 05'29		evening rise	13360 Mar 19 14:41	16° <b>Υ</b> 53'23	1.40/30/10
evening rise	13359 Apr 24 21:24	0°II		evening rise	13360 Mar 27 21:09	0°8	
evening max el	13359 May 11 04:35	20° <b>I</b> 47'13	21°59'57		13360 Apr 18 14:01	0°II	
asc. node	13359 May 17 19:25	25° <b>∏</b> 42'47		evening max el	13360 Apr 22 20:06	4° <b>Ⅱ</b> 38'09	23°20'21
retrograde	13359 May 20 13:59	26° <b>Ⅱ</b> 18'10		retrograde	13360 May 03 09:29	10° <b>Ⅱ</b> 51'06	
evening set	13359 May 25 05:11	24° <b>Ⅱ</b> 23'23		asc. node	13360 May 03 16:42	10° <b>Ⅱ</b> 50'41	
inferior conj	13359 May 30 11:42	18° <b>∏</b> 04'45	3°01'25	evening set	13360 May 08 12:13	8° <b>Ⅱ</b> 41'51	
minimum elong	13359 May 30 10:25	18° <b>Ⅱ</b> 09'15	3°00'15	inferior conj	13360 May 13 21:12	2° <b>Ⅱ</b> 15'40	2°40'53
min. Earth dist.	13359 May 30 12:03	18° <b>Ⅱ</b> 03'31	0.68881 AU	minimum elong	13360 May 13 19:18	2° <b>Ⅱ</b> 22'16	2°39'37
morning rise	13359 Jun 04 15:26	11° <b>II</b> 51'03		min. Earth dist.	13360 May 13 08:49	2° <b>Ⅱ</b> 58'22	0.68832 AU
direct	13359 Jun 09 11:28	9° <b>Ⅱ</b> 47'19			13360 May 15 13:19	30° <b>₹</b> 8	
morning max el	13359 Jun 19 00:29	15° <b>Ⅱ</b> 23'55	22°15'48	morning rise	13360 May 19 02:18	26° <b>8</b> 09'17	
desc. node	13359 Jun 19 22:35	16° <b>Ⅱ</b> 20'46		direct	13360 May 23 09:34	24° <b>8</b> 26'02	
	13359 Jun 30 21:30	$0$ $\circ$ $\odot$		morning max el	13360 May 31 17:35	29° <b>8</b> 12'13	20°53'46
	13359 Jul 20 22:42	$0^{\circ}\Omega$			13360 Jun 01 12:20	$\Pi^{\circ}0$	
morning set	13359 Jul 22 06:35	2° <b>Ω</b> 08′14		desc. node	13360 Jun 05 19:34	4° <b>∏</b> 58'21	
max. Earth dist.	13359 Jul 27 11:50	10° <b>Ω</b> 43'47	1.41161 AU		13360 Jun 23 12:11	$0$ $\circ$ $\odot$	
				morning set	13360 Jun 30 21:27	11° <b>©</b> 19'14	
superior conj	13359 Aug 04 07:27	24° <b>Ω</b> 14'13		max. Earth dist.	13360 Jul 08 18:25	23° <b>5</b> 49'29	1.43212 AU
minimum elong	13359 Aug 04 13:20	24° <b>Ω</b> 40′25	1°18'53		13360 Jul 12 12:56	$0^{\circ}\Omega$	
	13359 Aug 07 12:18	0° <b>™</b>					
asc. node	13359 Aug 13 19:21	11° <b>m</b> 38'08		superior conj	13360 Jul 15 16:38	5° <b>Ω</b> 15'58	-1°49'39
evening rise	13359 Aug 14 16:02	13° <b>To</b> 14'43		minimum elong	13360 Jul 15 23:48	5° <b>Ω</b> 46'14	1°49'53
	13359 Aug 24 01:09	0∘ <b>⊽</b>		evening rise	13360 Jul 27 14:46	25° <b>Ω</b> 59'45	
evening max el	13359 Aug 30 15:13	8° <b>≏</b> 46'42	18°17'09		13360 Jul 29 20:53	0° <b>™</b>	
retrograde	13359 Sep 06 23:37	12° <b>≏</b> 30'16		asc. node	13360 Jul 30 16:01	1° <b>m</b> 24'37	
evening set	13359 Sep 09 02:43	12° <b>≏</b> 12'12		evening max el	13360 Aug 13 03:37	21°Mp48'21	18°03'18
desc. node	13359 Sep 15 19:33	8° <b>ഫ</b> 09'01		retrograde	13360 Aug 19 19:00	25° m 13'22	
inferior conj	13359 Sep 16 13:30	7° <b>≙</b> 31'41		evening set	13360 Aug 22 05:53	24° Mp 45'15	
minimum elong	13359 Sep 16 12:59	7° <b>Ω</b> 32'45	0°13'48	inferior conj	13360 Aug 28 23:19	19° <b>m</b> 44'30	1°06'43
transit middle	13359 Sep 16 12:59	7° <b>Ω</b> 32'45	0°13'48	minimum elong	13360 Aug 29 01:12	19° <b>m</b> 39'56	1°05'45
transit begin	13359 Sep 16 11:10	7° <b>Ω</b> 36'33		min. Earth dist.	13360 Sep 01 02:17	16° <b>m</b> 44'03	0.61004 AU
transit end	13359 Sep 16 14:48	7° <b>Ω</b> 28'57		desc. node	13360 Sep 01 17:05	16° To 10'31	
min. Earth dist.	13359 Sep 19 20:55	4° <b>Ω</b> 46'23	0.58729 AU	morning rise	13360 Sep 04 17:44	13° <b>m</b> 48'07	
morning rise	13359 Sep 23 19:48	2° <b>Ω</b> 03'01		direct	13360 Sep 11 08:42	11° Tp 35'59	27057106
direct	13359 Sep 30 03:36	0° <b>£</b> 16'00	27026152	morning max el	13360 Sep 25 14:31	19° m/32'02	2/05/06
morning max el	13359 Oct 14 11:14	7° <b>Ω</b> 58'05	27°26'52		13360 Oct 04 12:44	0ი <b>ლ</b>	
1-	13359 Oct 31 03:32	0°M 17°M 21155			13360 Oct 23 00:51	0°M 7°M 17112	
asc. node morning set	13359 Nov 09 21:14 13359 Nov 14 14:19	17°M31'55 27°M11'19		asc. node morning set	13360 Oct 26 17:58 13360 Oct 28 17:23	7°M17'13 11°M20'01	
morning set	13359 Nov 14 14.19 13359 Nov 15 21:51	27 IIG11 19 0° <b>√</b> 7		max. Earth dist.	13360 Nov 03 12:38	23°M47'35	1.31445 AU
max. Earth dist.	13359 Nov 21 05:25	11° <b>×</b> <sup>7</sup> 43'10	1.31207 AU	max. Earth dist.	13300 NOV 03 12.38	23 1164/33	1.31443 AU
max. Earth dist.	13339 NOV 21 03.23	11 🗶 45 10	1.31207 AU	superior conj	13360 Nov 04 23:50	27°M02'12	1°18'18
superior conj	13359 Nov 21 13:09	12° <b>∡</b> 26′22	1°30'35	minimum elong	13360 Nov 04 21:42	26°M50'21	1°18'50
minimum elong	13359 Nov 21 11:35	12° <b>×</b> 17'40	1°31'24	minimum ciong	13360 Nov 04 21:42	0° <b>₹</b>	1 10 50
evening rise	13359 Nov 28 06:56	27°×17'40	1 31 24	evening rise	13360 Nov 11 16:45	11° <b>х</b> 49'46	
evening rise	13359 Nov 29 13:23	0°る		evening rise	13360 Nov 20 18:20	0°ਰ	
desc. node	13359 Dec 12 16:38	24° <b>る</b> 30'12		desc. node	13360 Nov 28 13:44	12° <b>る</b> 48'25	
	13359 Dec 16 06:33	0° <b>≈</b>		evening max el	13360 Dec 08 09:40	24° <b>る</b> 42'45	25°15'19
evening max el	13359 Dec 27 16:50	13° <b>≈</b> 53'15	26°33'58	**************************************	13360 Dec 15 15:27	0° <b>≈</b>	
retrograde	13360 Jan 10 15:50	21° <b>≈</b> 00'33		retrograde	13360 Dec 22 05:37	1° <b>≈</b> 39'22	
evening set	13360 Jan 17 04:44	19° <b>≈</b> 15'41		evening set	13360 Dec 28 00:35	0° <b>≈</b> 23'32	
min. Earth dist.	13360 Jan 21 06:41	16° <b>≈</b> 38'43	0.58896 AU		13360 Dec 28 21:32	30°Ŗる	
inferior conj	13360 Jan 24 10:24	14° <b>≈</b> 14'16	-3°49'57	min. Earth dist.	13361 Jan 01 21:43	27° <b>る</b> 42'39	0.56901 AU
minimum elong	13360 Jan 24 18:27	13° <b>≈</b> 58'53	3°46'31	inferior conj	13361 Jan 04 15:54	25° <b>る</b> 53'13	-5°05'06
morning rise	13360 Feb 01 11:09	9° <b>≈</b> 40'18		minimum elong	13361 Jan 05 00:20	25° <b>る</b> 39'12	
direct	13360 Feb 03 12:09	9° <b>≈</b> 25'38		morning rise	13361 Jan 13 02:29	21° <b>ප්</b> 41'30	
asc. node	13360 Feb 05 20:06	9° <b>≈</b> 45'41		direct	13361 Jan 15 07:33	21° <b>る</b> 27'14	
morning max el	13360 Feb 11 11:08	13° <b>≈</b> 21'34	18°20'24	asc. node	13361 Jan 22 17:26	24° <b>る</b> 20'17	
	13360 Feb 22 16:38	0° <b>)</b> €		morning max el	13361 Jan 24 12:46	25° <b>る</b> 55'18	19°08'41
morning set	13360 Feb 27 05:31	8° <b>)</b> €29'48			13361 Jan 28 02:13	0° <b>≈</b>	
				morning set	13361 Feb 10 05:43	22° <b>≈</b> 53'07	
superior conj	13360 Mar 07 12:54	25° <b>¥</b> 58'41	0°17'38		13361 Feb 13 19:41	0° <b>∀</b>	
minimum elong	13360 Mar 07 14:11	26° <b>)</b> €04'31	0°17'36				
desc. node	13360 Mar 09 17:52	29° <b>)</b> 58′10		superior conj	13361 Feb 18 13:04	9° <b>)</b> 14'48	0°47'38
	13360 Mar 09 18:16	$0^{\circ}$ Y		minimum elong	13361 Feb 18 15:40	9° <b>∺</b> 27'20	0°47'42

J J.	12261 E-1- 24-14-22	200 1/2 4110			12272 E-L 05 12.41	001	
desc. node	13361 Feb 24 14:23	20° <b>)</b> 34'10	1 20/07 411	E d F.	13362 Feb 05 13:41	0° <b>)</b> {	1 26470 444
max. Earth dist.	13361 Feb 25 08:57	21° <b>)</b> 57'55	1.38687 AU	max. Earth dist.	13362 Feb 07 16:06	4° <b>∺</b> 03'11	1.36479 AU
evening rise	13361 Mar 01 03:20	28° <b>)</b> (36′10		evening rise	13362 Feb 11 11:16	11° <b>米</b> 07'59	
	13361 Mar 01 22:51	0° <b>Υ</b>		desc. node	13362 Feb 11 10:58	11° <b>米</b> 06'35	
	13361 Mar 21 07:20	0°8			13362 Feb 22 13:22	0° <b>Υ</b>	
evening max el	13361 Apr 05 09:47	18° <b>8</b> 30'26	24°40'14		13362 Mar 16 15:53	0°8	
retrograde	13361 Apr 17 01:23	25° <b>8</b> 18'43		evening max el	13362 Mar 18 23:11	2° <b>8</b> 21'54	25°52'36
asc. node	13361 Apr 20 14:04	24° <b>8</b> 24'01		retrograde	13362 Mar 31 12:47	9° <b>8</b> 34'55	
evening set	13361 Apr 22 15:51	22° <b>8</b> 57'30		evening set	13362 Apr 06 14:28	7° <b>8</b> 05'32	
min. Earth dist.	13361 Apr 27 04:08	17° <b>8</b> 50'14	0.68325 AU	asc. node	13362 Apr 07 11:28	6° <b>8</b> 18'42	
inferior conj	13361 Apr 28 05:04	16° <b>8</b> 27'13	2°10'11	min. Earth dist.	13362 Apr 10 20:00	2° <b>8</b> 33'33	0.67377 AU
minimum elong	13361 Apr 28 02:55	16° <b>8</b> 34'25	2°08'54	inferior conj	13362 Apr 12 09:21	0° <b>ප</b> 35'52	1°29'05
morning rise	13361 May 03 14:11	10° <b>8</b> 29'16		minimum elong	13362 Apr 12 07:27	0° <b>8</b> 41'52	1°28'01
direct	13361 May 07 09:10	9° <b>ප</b> 06'57			13362 Apr 12 20:46	30° <b>₹Ƴ</b>	
morning max el	13361 May 14 18:00	13° <b>8</b> 12'18	19°43'57	morning rise	13362 Apr 18 01:06	24° <b>Ƴ</b> 47'35	
desc. node	13361 May 23 16:27	24° <b>8</b> 14'36		direct	13362 Apr 21 08:44	23° <b>Ƴ</b> 44'45	
greatest brilliancy	13361 May 27 12:46	29° <b>8</b> 45'04	-0.6m	morning max el	13362 Apr 28 01:53	27° <b>Y</b> ′21'59	18°49'24
<i>B </i>	13361 May 27 16:51	0°II			13362 Apr 30 12:15	0°8	
morning set	13361 Jun 09 22:59	19° <b>∏</b> 58'52		desc. node	13362 May 10 13:13	13° <b>8</b> 59'27	
morning set	13361 Jun 16 10:20	0°95		greatest brilliancy	13362 May 12 00:06	16° <b>8</b> 12'08	-0.8m
max. Earth dist.	13361 Jun 21 07:29	7° <b>9</b> 540'12	1.44758 AU	morning set	13362 May 20 08:28	29° <b>8</b> 07'06	-0.0111
max. Earth dist.	15501 Juli 21 07.29	/ 340 12	1.44/36 AU	morning set	•	0°Ⅱ	
	12271 1 27 01 50	150616122	2000120	E d Ed	13362 May 20 22:04		1 45640 ATT
superior conj	13361 Jun 26 01:50	15°5016'32		max. Earth dist.	13362 Jun 04 00:54	22°Щ00′07	1.45649 AU
minimum elong	13361 Jun 26 06:12	15° <b>©</b> 34'08	2°10'30		100/01 05 15 0/	0.40 H 0.410 f	2012100
	13361 Jul 05 01:27	$0^{\circ}\Omega$		superior conj	13362 Jun 05 15:36	24° <b>Ⅲ</b> 31'35	
evening rise	13361 Jul 09 18:02	7° <b>£</b> 52′33		minimum elong	13362 Jun 05 12:41	24° <b>Ⅱ</b> 20′08	2°13'06
asc. node	13361 Jul 17 12:47	20° <b>Ω</b> 54'59			13362 Jun 09 03:14	$0$ $\circ$	
	13361 Jul 23 10:44	0° <b>m</b> ∕		evening rise	13362 Jun 20 21:31	18° <b>5</b> 44'28	
evening max el	13361 Jul 27 17:57	5° Mp 11'44	18°08'18		13362 Jun 27 21:33	$0$ $^{\circ}$ $\Omega$	
retrograde	13361 Aug 03 02:44	8° Mp 32'21		asc. node	13362 Jul 04 09:37	10° <b>Ω</b> 03'21	
evening set	13361 Aug 05 21:53	7° <b>m</b> 51'19		evening max el	13362 Jul 11 07:06	18° <b>Ω</b> 49'14	18°31'20
inferior conj	13361 Aug 12 01:21	2° Mp 32'44	2°04'56	retrograde	13362 Jul 17 18:33	22° <b>Ω</b> 18'51	
minimum elong	13361 Aug 12 03:52	2° Mp 25'49	2°03'40	evening set	13362 Jul 20 22:17	21° <b>Ω</b> 22'44	
	13361 Aug 14 09:10	$30^{\circ}$ R $\Omega$		inferior conj	13362 Jul 26 15:34	15° <b>Ω</b> 48′23	2°43'11
min. Earth dist.	13361 Aug 14 17:23	29° <b>Ω</b> 38'12	0.63232 AU	minimum elong	13362 Jul 26 17:40	15° <b>Ω</b> 42'01	2°41'59
morning rise	13361 Aug 18 07:57	26° <b>Ω</b> 18'49		min. Earth dist.	13362 Jul 28 17:48	13° <b>Ω</b> 17'16	0.65218 AU
desc. node	13361 Aug 19 14:36	25° <b>Ω</b> 26′13		morning rise	13362 Aug 01 11:55	9° <b>Ω</b> 26′06	
direct	13361 Aug 24 23:49	23° <b>Ω</b> 48'12		desc. node	13362 Aug 06 12:03	6° <b>Ω</b> 54'01	
	13361 Sep 06 01:09	0° m)		direct	13362 Aug 07 23:21	6° <b>Ω</b> 46'13	
morning max el	13361 Sep 07 23:05	1° <b>m</b> ) 49'57	27°48'50	morning max el	13362 Aug 21 09:57	14° <b>Ω</b> 41'15	27°06'53
moning man vi	13361 Sep 28 19:16	0∘ <b>⊽</b>	27 .000	morning man er	13362 Sep 02 21:53	0° m)	2, 0003
morning set	13361 Oct 12 13:24	ა <b>—</b> 25° <b>ჲ</b> 06'13			13362 Sep	0∘ <b>⊽</b>	
asc. node	13361 Oct 12 13:24 13361 Oct 13 14:38	27° <b>⊆</b> 14'01		morning set	13362 Sep 25 23:38	ა <u>~</u> 8° <b>ჲ</b> 23'11	
asc. node	13361 Oct 14 22:53	27 <b>=</b> 1401 0° <b>M</b>		asc. node	13362 Sep 23 23:38 13362 Sep 30 11:14	17° <b>£</b> 17'50	
max. Earth dist.	13361 Oct 14 22:33		1.32210 AU	max. Earth dist.	13362 Sep 30 11.14 13362 Sep 30 07:38	17 <b>=</b> 17 30 16° <b>£</b> 59'28	1.33507 AU
max. Earth dist.	13301 Oct 1/ 14.33	3 11633 03	1.32210 AU	max. Earth dist.	13302 Sep 30 07.38	10 = 39 28	1.33307 AU
	12271 0 + 20 07 27	1.10 <b>m</b> 2.515.5	1000122		12272 0 4 04 10 15	250 0 21147	0026150
superior conj	13361 Oct 20 07:36	11°M25'55	1°00'23	superior conj	13362 Oct 04 10:15	25° <b>£</b> 31'47	0°36'58
minimum elong	13361 Oct 20 05:20	11°M13'38	1°00'36	minimum elong	13362 Oct 04 08:30	25° <b>£</b> 22'30	0°36'58
evening rise	13361 Oct 27 03:54	26°M22'23			13362 Oct 06 12:42	0° <b>M</b> ₊	
	13361 Oct 28 20:45	0° <b>∡</b>		evening rise	13362 Oct 11 14:29	10° <b>M</b> 51'19 −	
desc. node	13361 Nov 15 10:57	0° <b>ح</b> 03'25			13362 Oct 21 09:28	0° <b>∡</b> ¹	
	13361 Nov 15 09:51	0° <b>ろ</b>		evening max el	13362 Nov 01 08:07	14° <b>₹</b> ¹55'16	21°55'54
evening max el	13361 Nov 19 20:02	4° <b>る</b> 52'13	23°36'48	desc. node	13362 Nov 02 08:16	15° <b>₹</b> 52'15	
retrograde	13361 Dec 03 06:55	11° <b>る</b> 34'08		retrograde	13362 Nov 13 21:04	21° <b>∡</b> 08′26	
evening set	13361 Dec 07 20:46	10° <b>る</b> 48'32		evening set	13362 Nov 17 01:09	20° <b>∡</b> ¹45'59	
min. Earth dist.	13361 Dec 14 06:29	7° <b>る</b> 44'26	0.55359 AU	inferior conj	13362 Nov 25 19:26	16° <b>∡</b> ′51′25	-5°45'52
inferior conj	13361 Dec 16 00:58	6° <b>る</b> 41'47	-5°51'28	minimum elong	13362 Nov 25 14:03	16° <b>∡</b> ′58'59	5°44'20
minimum elong	13361 Dec 16 04:26	6° <b>る</b> 36'40	5°50'12	min. Earth dist.	13362 Nov 25 12:53	17° <b>∡</b> °00'36	0.54567 AU
morning rise	13361 Dec 24 13:53	2° <b>る</b> 48'29		morning rise	13362 Dec 04 03:58	13° <b>∡</b> °04′03	
direct	13361 Dec 27 07:15	2° <b>පි</b> 30'16		direct	13362 Dec 07 17:17	12° <b>х</b> 36′12	
morning max el	13362 Jan 07 01:26	7° <b>ට</b> 38'46	20°20'01	morning max el	13362 Dec 19 23:46		21°53'01
asc. node	13362 Jan 09 14:41	10° <b>る</b> 22'08		asc. node	13362 Dec 27 11:51	27° <b>∡</b> ³33'46	
	13362 Jan 21 18:27	0° <b>≈</b>			13362 Dec 29 02:22	0°ਰ	
morning set	13362 Jan 25 12:11	7° <b>≈</b> 31'18		morning set	13363 Jan 09 22:18	22° <b>ට</b> 16'10	
					13363 Jan 13 13:43	0° <b>≈</b>	
superior conj	13362 Feb 02 02:32	23° <b>≈</b> 07'04	1°10'31		10 10.10	÷ · • ·	
minimum elong	13362 Feb 02 05:14	23°≈20'41	1°10'51	superior conj	13363 Jan 17 01:26	7° <b>≈</b> 23'38	1°26'19
	10002100 02 00.14			superior conj	-5555 Juli 17 01.20	, . 🕽 . 🗁 . 50	. =317

	122/2 / 17 02 20	70 - 2406	1007100		12262 D 22 01 16	00-	
minimum elong	13363 Jan 17 03:29	7°≈34'26	1°27'00		13363 Dec 22 01:16	0°る	
max. Earth dist.	13363 Jan 21 04:23	15°≈54'06	1.34532 AU	morning set	13363 Dec 25 10:04	7° <b>る</b> 02'20	
evening rise	13363 Jan 25 10:56	24°≈18'47			12264 I 01 06:40	21075(115	1925125
	13363 Jan 28 11:43	0° <b>)</b> (		superior conj	13364 Jan 01 06:49	21° <b>る</b> 56'15	
desc. node	13363 Jan 29 07:34	1° <b>)</b> 30′38 0° <b>°</b>		minimum elong	13364 Jan 01 07:52	22° <b>る</b> 01'56	1°36'22
	13363 Feb 16 02:55		2605011.4	max. Earth dist.	13364 Jan 04 00:40	27° <b>る</b> 49'38	1.32985 AU
evening max el	13363 Mar 01 12:53	16°Υ05'37 23°Υ30'53	26°50'14		13364 Jan 05 01:21	0°≈ 7050156	
retrograde	13363 Mar 14 18:39	23°γ30'53 20°γ58'34		evening rise	13364 Jan 08 22:55	7°≈59'56	
evening set	13363 Mar 21 06:10			desc. node	13364 Jan 16 04:17	21° <b>≈</b> 41'48	
asc. node	13363 Mar 25 08:55	16° <b>℃</b> 52'45	0.66020 ATT		13364 Jan 20 23:55	0° <b>)</b> (31137	27925125
min. Earth dist.	13363 Mar 25 06:14	17° <b>Υ</b> 00'25	0.66020 AU	evening max el	13364 Feb 12 02:04	29° <b>)</b> 31′27 0° <b>°</b>	21°25'35
inferior conj	13363 Mar 27 07:50	14° <b>Y</b> 35'37	0°37'03	. 1	13364 Feb 12 14:07		
minimum elong	13363 Mar 27 06:52	14° <b>Y</b> 38'27	0°36'31	retrograde	13364 Feb 25 17:52	6°Υ58'12	
morning rise	13363 Apr 02 08:51	8° <b>Υ</b> 58'47		evening set	13364 Mar 03 12:46	4°Υ29'12	0.64206.444
direct	13363 Apr 05 06:20	8° <b>Υ</b> 12'41	10011100	min. Earth dist.	13364 Mar 07 08:46	1°Υ02'25	0.64306 AU
morning max el	13363 Apr 11 15:35	11° <b>Y</b> 34'24	18°11'23		13364 Mar 08 08:37	30°₹ <b>)</b>	000 (11 (
	13363 Apr 24 20:43	0°8		inferior conj	13364 Mar 09 21:57	28° <b>)</b> € 20'17	
desc. node	13363 Apr 27 09:52	4° <b>8</b> 04'31		minimum elong	13364 Mar 09 22:45	28° <b>)</b> 18′09	0°25'48
morning set	13363 Apr 30 18:49	9° <b>8</b> 29'55		asc. node	13364 Mar 11 06:22	26° <b>¥</b> 55'36	
	13363 May 13 15:58	$\Pi$ °0		morning rise	13364 Mar 16 10:44	22° <b>)</b> 57'17	
				direct	13364 Mar 18 23:32	22° <b>)</b> 24'35	
superior conj	13363 May 15 23:37	3° <b>Ⅱ</b> 38'17		morning max el	13364 Mar 25 08:39	25° <b>)</b> 42′13	17°50'29
minimum elong	13363 May 15 14:57	3° <b>Ⅱ</b> 04'19			13364 Mar 29 00:52	0° <b>Υ</b>	
max. Earth dist.	13363 May 17 20:34	6° <b>Ⅱ</b> 34'06	1.45805 AU	morning set	13364 Apr 11 09:22	21° <b>Υ</b> 14'47	
evening rise	13363 Jun 01 01:15	28° <b>∏</b> 39′10		desc. node	13364 Apr 13 06:26	24° <b>Y</b> 23′57	
	13363 Jun 01 22:04	0			13364 Apr 16 14:58	$9^{\circ}$ 8	
greatest brilliancy	13363 Jun 12 14:53	16° <b>©</b> 28'51	-0.7m				
asc. node	13363 Jun 21 06:31	28° <b>©</b> 41'42		superior conj	13364 Apr 24 19:14	13° <b>8</b> 21'32	
	13363 Jun 22 08:12	$0$ $\circ$ $\Omega$		minimum elong	13364 Apr 24 11:06	12° <b>8</b> 48'53	1°21'00
evening max el	13363 Jun 24 16:32	2° <b>Ω</b> 34'31	19°11'30	max. Earth dist.	13364 Apr 29 16:17	21° <b>8</b> 07'23	1.45216 AU
retrograde	13363 Jul 01 15:01	6° <b>Ω</b> 25'41			13364 May 05 08:32	$\Pi$ °0	
evening set	13363 Jul 05 03:52	5° <b>Ω</b> 13'09		evening rise	13364 May 10 14:07	8° <b>Ⅱ</b> 03'43	
	13363 Jul 10 03:28	30° <b>Ŗ</b> ∽			13364 May 25 05:06	0	
inferior conj	13363 Jul 10 14:27	29° <b>©</b> 24'33	3°04'47	greatest brilliancy	13364 May 25 12:59	0° <b>©</b> 28'37	-0.6m
minimum elong	13363 Jul 10 15:39	29° <b>5</b> 20'39	3°03'43	evening max el	13364 Jun 06 20:37	16° <b>©</b> 22'45	20°07'16
min. Earth dist.	13363 Jul 12 02:06	27° <b>©</b> 29'09	0.66831 AU	asc. node	13364 Jun 07 03:32	16° <b>©</b> 39'54	
morning rise	13363 Jul 16 02:49	23° <b>©</b> 00'26		retrograde	13364 Jun 14 13:38	20° <b>©</b> 46'57	
direct	13363 Jul 22 05:51	20° <b>©</b> 21'18		evening set	13364 Jun 18 12:12	19° <b>©</b> 17'27	
desc. node	13363 Jul 24 09:25	20° <b>©</b> 38'19		inferior conj	13364 Jun 23 19:10	13° <b>©</b> 15'47	
morning max el	13363 Aug 03 20:50	27° <b>©</b> 54'01	25°59'28	minimum elong	13364 Jun 23 19:19	13° <b>©</b> 15'14	
	13363 Aug 05 20:35	$0$ $\circ$ $\Omega$		min. Earth dist.	13364 Jun 24 16:31	12° <b>©</b> 03'16	0.68002 AU
	13363 Aug 27 14:54	0° <b>m</b>		morning rise	13364 Jun 29 02:07	6° <b>9</b> 54'01	
morning set	13363 Sep 08 20:35	21°Mp02'20		direct	13364 Jul 04 18:00	4° <b>5</b> 24'13	
max. Earth dist.	13363 Sep 12 14:32	28° Mp 06'01	1.35306 AU	desc. node	13364 Jul 10 06:42	6° <b>ॐ</b> 16′36	
	13363 Sep 13 14:06	0∘ <b>⊽</b>		morning max el	13364 Jul 16 07:02	11° <b>©</b> 19'15	24°36'07
asc. node	13363 Sep 17 07:49	7° <b>≏</b> 24'41			13364 Jul 31 05:15	$0$ $\circ$ $\Omega$	
					13364 Aug 19 08:10	0° <b>m</b> )	
superior conj	13363 Sep 18 05:15	9° <b>Ω</b> 13'16	0°08'26	morning set	13364 Aug 20 23:59	2° m 52'46	
minimum elong	13363 Sep 18 04:46	9° <b>Ω</b> 10'47	0°08'24	max. Earth dist.	13364 Aug 24 14:03	9° <b>m</b> 16'19	1.37495 AU
behind sun begin	13363 Sep 17 23:32	8° <b>≏</b> 44'14					
behind sun end	13363 Sep 18 10:00	9° <b>△</b> 37'23		superior conj	13364 Aug 31 13:19	22° Tp 21'43	
evening rise	13363 Sep 25 22:32	25° <b>≏</b> 11'22		minimum elong	13364 Aug 31 14:57	22° <b>m</b> 29'37	0°24'13
	13363 Sep 28 06:54	0°M₊		asc. node	13364 Sep 03 04:22	27° Mp 30'23	
evening max el	13363 Oct 14 07:04	25° <b>™</b> 27'54	20°27'49		13364 Sep 04 10:32	0∘ <b>ত</b>	
desc. node	13363 Oct 20 05:39	29° <b>™</b> 47'48		evening rise	13364 Sep 09 01:39	9° <b>≙</b> 15'48	
_	13363 Oct 20 16:49	0° <b>∡</b>			13364 Sep 20 10:57	0° <b>™</b>	
retrograde	13363 Oct 25 08:04	0° <b>∡</b> 757'10		evening max el	13364 Sep 25 20:05	6°M46'31	19°19'58
evening set	13363 Oct 27 12:28	0° <b>∡</b> 745'17		retrograde	13364 Oct 05 05:13	11°M28'10	
	13363 Oct 30 05:45	30°RM		desc. node	13364 Oct 06 03:07	11°M25'39	
inferior conj	13363 Nov 05 11:55	26°M49'54		evening set	13364 Oct 07 01:50	11°M17'54	
minimum elong	13363 Nov 05 01:51	27°M04'33		inferior conj	13364 Oct 15 16:25	7° <b>™</b> 09'00	
min. Earth dist.	13363 Nov 06 19:54	26°M03'21	0.54700 AU	minimum elong	13364 Oct 15 08:46	7° <b>™</b> 21'33	
morning rise	13363 Nov 13 14:47	22°M49'40		min. Earth dist.	13364 Oct 18 06:07	5°M28′02	0.55743 AU
direct	13363 Nov 18 02:30	22°M06'18		morning rise	13364 Oct 23 13:21	2°M37'58	
morning max el	13363 Dec 01 11:41	28°M38'12	23°40'11	direct	13364 Oct 28 21:15	1°M33'31	
	13363 Dec 02 20:51	0° <b>∡</b> 7		morning max el	13364 Nov 11 21:46	8°M37'57	25°26'11
asc. node	13363 Dec 14 08:54	15° <b>∡</b> ³39'10			13364 Nov 27 18:16	0° <b>⊀</b>	

asc. node	13364 Nov 30 05:52	4° <b>₹</b> 124'12			13365 Nov 20 07:27	0° <b>∡</b> 7	
morning set	13364 Dec 08 21:41	21° <b>√</b> 44'01		morning set	13365 Nov 23 07:26	6° <b>∡</b> 16'37	
morning set	13364 Dec 12 16:29	0°중		morning set	13303 1101 23 07.20	0 × 1037	
	13301 Dec 12 10.29	° <b>0</b>		superior conj	13365 Nov 30 03:35	21° <b>×</b> <sup>2</sup> 0'20	1°35'03
superior conj	13364 Dec 15 16:13	6° <b>ප</b> 37'07	1°38'14	minimum elong	13365 Nov 30 02:31	21° <b>x</b> 14'21	1°36'00
minimum elong	13364 Dec 15 16:09	6° <b>る</b> 36'49	1°39'16	max. Earth dist.	13365 Nov 30 11:34	22° <b>х</b> 04'54	1.31307 AU
max. Earth dist.	13364 Dec 17 04:00	9° <b>ප</b> 54'23	1.31898 AU		13365 Dec 04 01:17	0°ਰ	
evening rise	13364 Dec 22 20:04	22° <b>る</b> 02'48		evening rise	13365 Dec 06 23:48	6° <b>る</b> 20'54	
<i>8</i> 11	13364 Dec 26 18:57	0° <b>≈</b>		8	13365 Dec 19 08:14	0° <b>≈</b>	
desc. node	13365 Jan 02 01:06	11° <b>≈</b> 33'35		desc. node	13365 Dec 19 22:01	0° <b>≈</b> 57'55	
	13365 Jan 13 21:31	0° <b>)</b> €		evening max el	13366 Jan 06 17:47	24° <b>≈</b> 36'46	27°05'07
evening max el	13365 Jan 24 12:35	12° <b>¥</b> 26′07	27°32'08	C	13366 Jan 13 22:54	0° <b>∀</b>	
retrograde	13365 Feb 07 09:35	19° <b>)</b> 47'51		retrograde	13366 Jan 20 16:48	1° <b>¥</b> 50′27	
evening set	13365 Feb 14 07:40	17° <b>¥</b> 29′27		evening set	13366 Jan 27 11:34	29° <b>≈</b> 50'44	
min. Earth dist.	13365 Feb 18 01:42	14° <b>¥</b> 29'31	0.62304 AU	•	13366 Jan 27 05:01	30° <b>R</b> ≈	
inferior conj	13365 Feb 21 00:41	11° <b>)</b> 42'03	-1°40'17	min. Earth dist.	13366 Jan 31 08:06	27° <b>≈</b> 09'11	0.60136 AU
minimum elong	13365 Feb 21 04:06	11° <b>)</b> 33′55	1°38'28	inferior conj	13366 Feb 03 12:28	24° <b>≈</b> 31'18	-3°02'07
asc. node	13365 Feb 26 03:48	7° <b>)</b> €31'29		minimum elong	13366 Feb 03 19:01	24° <b>≈</b> 17'45	2°59'02
morning rise	13365 Feb 28 03:16	6° <b>)</b> 36′04		morning rise	13366 Feb 11 05:35	19° <b>≈</b> 45′20	
direct	13365 Mar 02 09:10	6° <b>)</b> 13′11		direct	13366 Feb 13 07:08	19° <b>≈</b> 28'46	
morning max el	13365 Mar 09 02:09	9° <b>)</b> 37′26	17°47'15	asc. node	13366 Feb 13 01:14	19° <b>≈</b> 29'00	
	13365 Mar 22 15:30	$0^{\circ}$ $\Upsilon$		morning max el	13366 Feb 20 16:39	23° <b>≈</b> 10′07	18°02'38
morning set	13365 Mar 24 23:23	4° <b>Y</b> 06′18			13366 Feb 26 02:15	0° <b>)</b>	
desc. node	13365 Mar 31 02:59	14° <b>Y</b> 53'17		morning set	13366 Mar 08 06:36	17° <b>)</b> 45′02	
					13366 Mar 14 22:20	$0^{\circ}\Upsilon$	
superior conj	13365 Apr 05 13:23	24° <b>Ƴ</b> 09'17	-0°41'35	desc. node	13366 Mar 17 23:30	5° <b>Y</b> ′28′04	
minimum elong	13365 Apr 05 09:20	23° <b>Y</b> 52'17	0°41'17				
	13365 Apr 09 01:53	$9^{\circ}$ 8		superior conj	13366 Mar 18 07:31	6° <b>Ƴ</b> 03'30	-0°02'40
max. Earth dist.	13365 Apr 12 09:29	5° <b>8</b> 23'40	1.43946 AU	minimum elong	13366 Mar 18 07:18	6° <b>Y</b> ′02'32	0°02'38
evening rise	13365 Apr 20 03:39	17° <b>8</b> 38'23		behind sun begin	13366 Mar 17 23:31	5° <b>Y</b> 28'08	
	13365 Apr 28 06:52	$\Pi$ $^{\circ}0$		behind sun end	13366 Mar 18 15:04	6° <b>Ƴ</b> 36'52	
	13365 May 20 14:14	$0$ $\circ$ $\odot$		max. Earth dist.	13366 Mar 25 21:58	19° <b>Y</b> ′06'32	1.42133 AU
evening max el	13365 May 20 18:53	0° <b>5</b> 11'46	21°16'01	evening rise	13366 Mar 31 07:29	27° <b>Y</b> ′54'52	
asc. node	13365 May 25 00:40	3°5545'05			13366 Apr 01 14:56	$9^{\circ}$ 8	
retrograde	13365 May 29 12:23	5° <b>©</b> 17'23			13366 Apr 21 22:50	$\Pi$ $^{\circ}0$	
evening set	13365 Jun 02 21:22	3° <b>©</b> 31'21		evening max el	13366 May 03 12:10	14° <b>Ⅱ</b> 00'57	22°33'43
	13365 Jun 06 03:41	30°RⅡ		asc. node	13366 May 11 21:55	19° <b>Ⅱ</b> 40'38	
inferior conj	13365 Jun 08 03:22	27° <b>Ⅱ</b> 18'10	3°08'35	retrograde	13366 May 13 09:36	19° <b>Ⅱ</b> 50'48	
minimum elong	13365 Jun 08 02:33	27° <b>Ⅱ</b> 20'59	3°07'30	evening set	13366 May 18 05:38	17° <b>Ⅱ</b> 49'28	
min. Earth dist.	13365 Jun 08 11:07	26° <b>Ⅱ</b> 51'10	0.68696 AU	inferior conj	13366 May 23 12:57	11° <b>Ⅱ</b> 26′59	
morning rise	13365 Jun 13 07:32	21° <b>Ⅱ</b> 01'06		minimum elong	13366 May 23 11:22	11° <b>Ⅲ</b> 32'31	2°52'44
direct	13365 Jun 18 10:52	18° <b>∏</b> 46'55		min. Earth dist.	13366 May 23 07:46	11° <b>Ⅱ</b> 45'02	0.68916 AU
desc. node	13365 Jun 27 03:51	23° <b>Ⅲ</b> 22'02		morning rise	13366 May 28 16:57	5° <b>Ⅱ</b> 16'13	
morning max el	13365 Jun 28 17:50	24° <b>∏</b> 53'31	23°06'36	direct	13366 Jun 02 07:23	3° <b>Ⅱ</b> 21'15	
	13365 Jul 03 08:12	0° <b>©</b>		morning max el	13366 Jun 11 07:48	8° <b>Ⅲ</b> 36'04	21°39'39
	13365 Jul 24 15:56	0°N		desc. node	13366 Jun 14 00:55	11° <b>Ⅱ</b> 30'59	
morning set	13365 Aug 02 05:21	13° <b>Ω</b> 44'31	1.20046.477		13366 Jun 27 22:19	0°©	
max. Earth dist.	13365 Aug 06 12:26	21° <b>Ω</b> 00'15	1.39846 AU	morning set	13366 Jul 13 09:36	23° <b>©</b> 30'00	
	13365 Aug 11 15:08	0° mp		To all the	13366 Jul 17 10:40	0°Ω	1 42000 411
aumani '	12265 A 14 06 20	40 m. 40120	0950112	max. Earth dist.	13366 Jul 19 14:41	5°6133'05	1.42080 AU
superior conj	13365 Aug 14 06:38	4° Mp 48'39			12266 1 1 27 04 20	1.60 (0.23)2.1	1022152
minimum elong	13365 Aug 14 11:00	5° Mp 08'42	0°59'01	superior conj	13366 Jul 27 04:39	16° <b>Ω</b> 23'21	
asc. node	13365 Aug 21 00:58	17° Mp 31'55		minimum elong	13366 Jul 27 11:24	16° <b>Ω</b> 52'44	1°32′51
evening rise	13365 Aug 23 20:55	22° m 57'43			13366 Aug 03 20:08	0° m)	
avanina may al	13365 Aug 27 13:50	0° <b>ჲ</b> 18° <b>ჲ</b> 52'03	18°33'58	evening rise asc. node	13366 Aug 07 04:28	6° M) 06'28	
evening max el	13365 Sep 08 21:20		16 33 36	asc. node	13366 Aug 07 21:37	7° <b>™</b> 24'55 0° <b>⊆</b>	
retrograde	13365 Sep 16 20:47	22° <b>£</b> 53′29 22° <b>£</b> 39′35		avanina may al	13366 Aug 21 19:16	1° <b>-</b> 236'03	18°08'53
evening set desc. node	13365 Sep 18 19:59 13365 Sep 23 00:36	22° <b>£</b> 39'35 20° <b>£</b> 48'46		evening max el retrograde	13366 Aug 23 06:52 13366 Aug 30 06:53	5° <b>Ω</b> 10'11	10 00 33
inferior conj	13365 Sep 26 17:29	20 <b>2</b> 48 46 18° <b>2</b> 10'54	-1°10'21	evening set	13366 Sep 01 13:03	3 <del>2</del> 10 11 4° <del>2</del> 48'24	
minimum elong	13365 Sep 26 17.29 13365 Sep 26 14:40	18° <b>£</b> 10'34	1°09'01	inferior conj	13366 Sep 01 13.03	29° m 59'14	0°23'00
min. Earth dist.	13365 Sep 29 22:26	15° <b>£</b> 44'07	0.57504 AU	minimum elong	13366 Sep 08 16:54	29° m) 57'33	0°22'37
morning rise	13365 Oct 04 05:53	13° <b>2</b> 4407	0.5/50+AU	iiiiiiiiiiii CiOlig	13366 Sep 08 15:48	29 11/03/33 30°R/M)	V 44 JI
direct	13365 Oct 10 06:14	13 <b>=</b> 0131 11° <b>Ω</b> 31'02		desc. node	13366 Sep 09 22:07	28° Mp 51'47	
morning max el	13365 Oct 24 13:25	11 <b>=</b> 31 02 19° <b>⊆</b> 01'50	26°52'13	min. Earth dist.	13366 Sep 11 22:50	27° Mp 04'29	0.59682 AU
morning max ci	13365 Nov 02 20:17	0°M	20 52 15	morning rise	13366 Sep 15 17:26	24° Mg 17'11	0.57002 AU
asc. node	13365 Nov 17 02:45	23°M38'41		direct	13366 Sep 22 05:00	22° m) 18'42	
	15505 1107 17 02.45	IIV_JU ¬1			.55505 5 <b>c</b> p 22 05.00	ny 10 72	

	13366 Oct 06 09:11	0∘ <b>⊽</b>		morning max el	13367 Sep 18 18:22	12° <b>m</b> )01'19	27°58'04
morning max el	13366 Oct 06 12:44	0° <b>ჲ</b> 08'41	27°44'35	C	13367 Oct 03 00:25	0∘ <b>⊽</b>	
	13366 Oct 27 22:20	0°M₊			13367 Oct 20 07:20	0° <b>M</b> ₊	
asc. node	13366 Nov 03 23:33	13°ML14'47		asc. node	13367 Oct 21 20:14	3°ML05'26	
morning set	13366 Nov 07 13:31	20°M35'43		morning set	13367 Oct 22 13:50	4°MJ35'15	
	13366 Nov 11 22:04	0° <b>∡</b> ¹		max. Earth dist.	13367 Oct 28 01:03	16°ML10'40	1.31698 AU
max. Earth dist.	13366 Nov 13 19:51	4° <b>∡</b> 13'37	1.31235 AU				
				superior conj	13367 Oct 30 00:45	20°M32'06	1°11'24
superior conj	13366 Nov 14 15:05	6° <b>₰</b> ¹00'46	1°26'05	minimum elong	13367 Oct 29 22:30	20°M19'41	1°11'48
minimum elong	13366 Nov 14 13:14	5° <b>∡</b> 750′27	1°26'47		13367 Nov 03 07:36	0° <b>∡</b> ¹	
evening rise	13366 Nov 21 07:59	20° <b>∡</b> ¹49'07		evening rise	13367 Nov 05 18:33	5° <b>∡</b> ¹21'28	
	13366 Nov 25 17:39	0°ಕ			13367 Nov 18 14:16	0°ಕ	
desc. node	13366 Dec 06 19:03	19° <b>る</b> 44'29		desc. node	13367 Nov 23 16:12	7° <b>る</b> 38'08	
	13366 Dec 14 04:23	0° <b>≈</b>		evening max el	13367 Dec 01 05:02	16°る26'14	24°35'03
evening max el	13366 Dec 19 15:24		26°03'56	retrograde	13367 Dec 14 22:34	23° <b>ろ</b> 17'23	
retrograde	13367 Jan 02 13:57	12°≈59'59		evening set	13367 Dec 20 06:07	22°る15'04	0.56166.411
evening set	13367 Jan 08 20:26	11°≈26'52	0.50000 ATT	min. Earth dist.	13367 Dec 25 16:47	19°る26'28 17°る56'03	0.56166 AU
min. Earth dist.	13367 Jan 13 04:33 13367 Jan 16 05:50	8°≈50'20 6°≈38'44	0.58000 AU	inferior conj	13367 Dec 28 02:26 13367 Dec 28 09:31	17°る56'03 17°る44'54	
inferior conj minimum elong	13367 Jan 16 14:32	6°≈23'04		minimum elong morning rise	13368 Jan 05 14:58	17 <b>3</b> 44 34 13° <b>る</b> 52'39	3 2/36
morning rise	13367 Jan 24 11:32	0 ≈23 04 2°≈14'33	4 20 30	direct	13368 Jan 08 00:07	13° <b>る</b> 3239	
direct	13367 Jan 26 13:09	2°≈00'40		asc. node	13368 Jan 17 19:56	13 <b>3</b> 3718	
asc. node	13367 Jan 30 22:37	3°≈07'20		morning max el	13368 Jan 17 20:42	18° <b>る</b> 20'33	19°36'08
morning max el	13367 Feb 04 00:15	6°≈09'23	18°38'15	morning max ci	13368 Jan 26 12:05	0°≈	17 30 00
morning max or	13367 Feb 19 01:51	0° <b>∀</b>	10 30 13	morning set	13368 Feb 04 05:03	16°≈26'10	
morning set	13367 Feb 20 01:50	1° <b>¥</b> 55'51		morning sec	13368 Feb 10 22:48	0° <b>∀</b>	
		. ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,				• //	
superior conj	13367 Feb 28 22:05	18° <b>¥</b> 53'48	0°31'11	superior conj	13368 Feb 12 04:22	2° <b>∺</b> 26'06	0°58'13
minimum elong	13367 Mar 01 00:07	19° <b>₩</b> 03'15	0°31'09	minimum elong	13368 Feb 12 07:08	2° <b>)</b> 39'41	0°58'22
desc. node	13367 Mar 04 20:03	26° <b>)</b> €04'58		max. Earth dist.	13368 Feb 18 12:07	14° <b>)</b> 29′18	1.37732 AU
	13367 Mar 07 00:47	$0^{\circ}$ Y		desc. node	13368 Feb 19 16:35	16° <b>)</b> 39'39	
max. Earth dist.	13367 Mar 08 05:49	2° <b>Y</b> 07'21	1.39983 AU	evening rise	13368 Feb 22 05:20	21° <b>∺</b> 11'48	
evening rise	13367 Mar 12 08:05	9° <b>Ƴ</b> 07'10			13368 Feb 27 08:29	$0^{\circ}$ Y	
	13367 Mar 25 13:46	$0^{\circ}S$			13368 Mar 18 12:55	$9^{\circ}$ 8	
evening max el	13367 Apr 16 02:37	27° <b>8</b> 52'35	23°54'44	evening max el	13368 Mar 28 16:15	11° <b>8</b> 45'39	25°12'24
	13367 Apr 18 09:08	$\Pi$ °0		retrograde	13368 Apr 09 17:53	18° <b>8</b> 45'29	
retrograde	13367 Apr 27 03:50	4° <b>Ⅱ</b> 22'14		asc. node	13368 Apr 14 16:35	17° <b>8</b> 00'57	
asc. node	13367 Apr 28 19:13	4° <b>Ⅱ</b> 10'06		evening set	13368 Apr 15 13:08	16° <b>8</b> 20'35	
evening set	13367 May 02 11:26	2° <b>∏</b> 07'41		min. Earth dist.	13368 Apr 19 22:29	_	0.67977 AU
	13367 May 04 13:39	30° <b>₹8</b>	0.000	inferior conj	13368 Apr 21 04:37	9° <b>8</b> 50'01	1°54'05
min. Earth dist.	13367 May 07 04:19	26° <b>8</b> 39'22	0.68673 AU	minimum elong	13368 Apr 21 02:30	9° <b>8</b> 56'56	1°52'51
inferior conj	13367 May 07 22:01	25° <b>8</b> 39'03	2°29'06	morning rise	13368 Apr 26 16:12	3° <b>8</b> 55'46	
minimum elong	13367 May 07 19:57	25° <b>8</b> 46'06 19° <b>8</b> 35'49	2°27'50	direct morning max el	13368 Apr 30 06:18	2° <b>8</b> 41'47 6° <b>8</b> 33'30	19°18'41
morning rise direct	13367 May 13 04:29 13367 May 17 06:23	19 <b>8</b> 33 49		desc. node	13368 May 07 07:23 13368 May 17 18:43	19° <b>8</b> 56'06	19 1641
morning max el	13367 May 17 00.23	22° <b>8</b> 29'20	20°22'11	greatest brilliancy	13368 May 20 01:47	23° <b>8</b> 18'09	-0.7m
desc. node	13367 May 31 21:52	0° <b>Ц</b> 26'35	20 22 11	greatest orimancy	13368 May 24 12:50	0°Ⅱ	-0.7III
dese. Hode	13367 May 31 13:45	0°II		morning set	13368 May 31 18:49	11° <b>I</b> 105'29	
	13367 Jun 21 03:56	0°©		morning sec	13368 Jun 12 22:54	0ಂಣ	
morning set	13367 Jun 22 16:35	2°521'08		max. Earth dist.	13368 Jun 13 14:52	1°902'47	1.45231 AU
max. Earth dist.	13367 Jul 01 23:29	16° <b>©</b> 56'51	1.43945 AU				
				superior conj	13368 Jun 17 03:35	6°537'21	-2°13'09
superior conj	13367 Jul 08 03:37	26°958'38	-1°59'52	minimum elong	13368 Jun 17 05:11	6°9643'44	2°14'10
minimum elong	13367 Jul 08 10:14	27°525'58	2°00'23	evening rise	13368 Jul 01 13:01	29°957'45	
	13367 Jul 09 23:23	$0^{\circ}\Omega$			13368 Jul 01 13:34	$0^{\circ}\Omega$	
evening rise	13367 Jul 20 19:29	18° <b>Ω</b> 30′10		asc. node	13368 Jul 11 15:04	16° <b>Ω</b> 26'44	
asc. node	13367 Jul 25 18:19	27° <b>Ω</b> 04'54		evening max el	13368 Jul 20 10:49	28° <b>Ω</b> 18′57	18°15'58
	13367 Jul 27 11:29	0° <b>m</b>			13368 Jul 22 09:28	0° <b>m</b>	
evening max el	13367 Aug 06 20:33	14° <b>m</b> 48'04	18°03'15	retrograde	13368 Jul 26 19:27	1°Mp41'24	
retrograde	13367 Aug 13 07:53	18° <b>m</b> 09'17		evening set	13368 Jul 29 18:20	0° m 53'59	
evening set	13367 Aug 15 22:16	17° <b>m</b> 36'01			13368 Jul 31 03:59	30°R <b>Ω</b>	
inferior conj	13367 Aug 22 09:21	12° Mp 27'42	1°34'02	inferior conj	13368 Aug 04 17:00	25° <b>Ω</b> 28'29	
minimum elong	13367 Aug 22 11:40	12° My 21'45	1°32'53	minimum elong	13368 Aug 04 19:26	25° <b>Ω</b> 21'31	2°22'08
min. Earth dist.	13367 Aug 25 08:22	9° Mp 27'06	0.61974 AU	min. Earth dist.	13368 Aug 07 03:21	22° <b>Ω</b> 42'17	0.64122 AU
desc. node	13367 Aug 27 19:38	7° Mp 13'46		morning rise	13368 Aug 10 19:03	19° <b>Ω</b> 10′22	
morning rise	13367 Aug 28 22:37	6° Mg 22'46		desc. node	13368 Aug 13 17:06	17° <b>Ω</b> 22'18	
direct	13367 Sep 04 14:54	4° m 01'21		direct	13368 Aug 17 09:43	16° <b>Ω</b> 34'40	

morning max el	13368 Aug 31 04:03	24° <b>Ω</b> 34'21	27°34'40	morning rise	13369 Jul 25 03:58	2° <b>Ω</b> 29'58	
C	13368 Sep 05 02:02	0° <b>m</b> )		C	13369 Jul 29 20:20	30° <b>ℝ</b> ∽	
	13368 Sep 25 10:47	0∘ <b>⊽</b>		direct	13369 Jul 31 12:09	29° <b>5</b> 49'37	
morning set	13368 Oct 05 06:01	18° <b>ჲ</b> 09'35		desc. node	13369 Jul 31 14:32	29° <b>5</b> 49'39	
asc. node	13368 Oct 07 16:52	23° <b>ჲ</b> 05'42			13369 Aug 02 05:20	$0^{\circ}\Omega$	
max. Earth dist.	13368 Oct 09 23:34	27° <b>≏</b> 48'46	1.32701 AU	morning max el	13369 Aug 13 15:16	7° <b>Ω</b> 36′33	26°40'49
	13368 Oct 11 00:30	$0^{\circ}$ M		_	13369 Aug 31 00:52	0° <b>m</b> )	
					13369 Sep 17 19:58	0∘ <b>亚</b>	
superior conj	13368 Oct 13 06:37	4° <b>M</b> ₊49'00	0°51'07	morning set	13369 Sep 18 11:02	1° <b>≙</b> 11'10	
minimum elong	13368 Oct 13 04:29	4° <b>ጤ</b> 37'32	0°51'14	max. Earth dist.	13369 Sep 22 12:36	9° <b>ჲ</b> 05'13	1.34223 AU
evening rise	13368 Oct 20 05:41	19° <b>M</b> ₅53'17		asc. node	13369 Sep 24 13:27	13° <b>≙</b> 10'54	
	13368 Oct 25 02:46	0° <b>∡</b> ¹					
desc. node	13368 Nov 09 13:25	24° <b>∡</b> 19′20		superior conj	13369 Sep 27 06:20	18° <b>≙</b> 44'50	0°25'26
evening max el	13368 Nov 11 15:01	26° <b>∡</b> ¹28'19	22°53'09	minimum elong	13369 Sep 27 05:01	18° <b>≏</b> 37'58	0°25'24
	13368 Nov 15 21:54	0°ප			13369 Oct 02 14:23	0° <b>M</b>	
retrograde	13368 Nov 24 17:59	2° <b>る</b> 59'17		evening rise	13369 Oct 04 15:28	4° <b>ጤ</b> 18'57	
evening set	13368 Nov 28 17:31	2° <b>る</b> 24'49			13369 Oct 18 17:45	0° <b>∡</b> ¹	
	13368 Dec 04 08:33	30°Ŗ <b>⋌</b> ¹		evening max el	13369 Oct 24 06:38	6° <b>х</b> 39′02	21°16'07
min. Earth dist.	13368 Dec 05 23:50	29° <b>∡</b> ¹05'25	0.54923 AU	desc. node	13369 Oct 27 10:44	9° <b>∡</b> ¹22'54	
inferior conj	13368 Dec 07 04:06	28° <b>∡</b> ¹25'09	-5°56'27	retrograde	13369 Nov 05 05:27	12° <b>₹</b> 35'22	
minimum elong	13368 Dec 07 03:52	28° <b>∡</b> ¹25'29	5°55'25	evening set	13369 Nov 07 21:41	12° <b>∡</b> 18'42	
morning rise	13368 Dec 15 15:39	24° <b>х</b> 36′23		inferior conj	13369 Nov 16 19:47	8° <b>∡</b> °25'03	-5°25'05
direct	13368 Dec 18 17:09	24° <b>x</b> 14'36		minimum elong	13369 Nov 16 11:28	8° <b>х</b> 36'46	
morning max el	13368 Dec 30 02:59	29° <b>х</b> 41'24	20°57'09	min. Earth dist.	13369 Nov 17 05:48		0.54507 AU
morning mun er	13368 Dec 30 10:42	0°ਰ	20 5, 09	morning rise	13369 Nov 25 01:54	4° <b>х</b> <sup>7</sup> 35′05	0.0 1007 110
asc. node	13369 Jan 03 17:09	4° <b>る</b> 53'37		direct	13369 Nov 29 00:42	4° <b>∡</b> °01'32	
use. Houe	13369 Jan 18 00:14	0°≈		morning max el	13369 Dec 11 20:02		22°37'47
morning set	13369 Jan 18 13:18	1°≈07'37		asc. node	13369 Dec 21 14:16	22°×729'32	22 37 47
morning set	15507 3411 10 15.10	1 70.07 37		use. Houe	13369 Dec 26 00:38	0°B	
superior conj	13369 Jan 25 22:12	16° <b>≈</b> 29'05	1°18'04	morning set	13370 Jan 03 00:22	0 5 15° <b>る</b> 53'43	
minimum elong	13369 Jan 26 00:42	16°≈41'53	1°18'33	morning set	13370 Jan 09 14:11	0° <b>≈</b>	
max. Earth dist.	13369 Jan 30 21:17	16 ≈41 55 26°≈26'59	1.35614 AU		133/0 Jan 09 14.11	0 ~	
max. Earth dist.	13369 Feb 01 17:21	20 <b>≈</b> 20 39	1.33014 AU	superior conj	13370 Jan 10 00:12	0°≈53'26	1°30'58
avanina riaa	13369 Feb 01 17:21 13369 Feb 03 20:21	4° <b>∺</b> 00'37			13370 Jan 10 00:12	0 ≈33 20 1°≈02'15	1°31'48
evening rise desc. node	13369 Feb 05 20.21 13369 Feb 05 13:10	7° <b>∺</b> 08'33		minimum elong max. Earth dist.	13370 Jan 13 12:57	8°≈18'35	1.33815 AU
desc. node	13369 Feb 19 06:31	7 <b>γ</b> (08 33		evening rise	13370 Jan 18 01:37	0 ≈10 33 17°≈24'57	1.33613 AU
evening max el	13369 Mar 11 05:54	25° <b>Υ</b> 34'48	26°19'24	desc. node	13370 Jan 23 09:49	17 ≈24 37 27°≈27'36	
evening max er	13369 Mar 16 11:48	0° <b>8</b>	20 19 24	desc. flode	13370 Jan 24 19:53	27 <b>≈</b> 2730	
ratragrada	13369 Mar 24 02:48	2° <b>8</b> 53'37			13370 Feb 13 14:25	0°Υ	
retrograde	13369 Mar 30 09:01	0° <b>8</b> 22'21		ovanina may al	13370 Feb 13 14.23 13370 Feb 21 19:24	9° <b>Υ</b> 11'51	27°08'23
evening set	13369 Mar 30 19:35	0 <b>3</b> 22 21		evening max el retrograde	13370 Mar 07 05:56	16° <b>Υ</b> 39'02	27 08 23
aga mada	13369 Apr 01 14:01	28° <b>Υ</b> 16'43		evening set	13370 Mar 13 21:10	16 <b>γ</b> 39 02 14° <b>γ</b> 06'56	
asc. node min. Earth dist.	13369 Apr 01 14.01 13369 Apr 03 12:07	26° <b>Υ</b> 05'07	0.66851 AU	min. Earth dist.	13370 Mar 13 21:10 13370 Mar 17 19:11	14 1 00 30 10° <b>Υ</b> 22'54	0.65330 AU
inferior conj	13369 Apr 05 06:42	23° <b>Y</b> 55'03	1°08'24	asc. node	13370 Mar 17 19:11 13370 Mar 19 11:27	8° <b>Υ</b> 30'09	0.03330 AU
minimum elong	13369 Apr 05 05:06	23° <b>Υ</b> 59'56	1°07'30	inferior conj	13370 Mar 19 11:27 13370 Mar 20 01:57	7° <b>Υ</b> 49'10	0°11'36
	13369 Apr 11 02:03	18° <b>Υ</b> 11'27	1 0/30		13370 Mar 20 01:37 13370 Mar 20 01:38	7° <b>Υ</b> 50'05	0°11'26
morning rise direct	13369 Apr 14 05:20	18 <b>γ</b> 11 27 17° <b>γ</b> 15'57		minimum elong transit middle	13370 Mar 20 01:38	7° <b>Υ</b> 50'05	0°11'26
morning max el	13369 Apr 20 17:58	20° <b>Υ</b> 44'41	18°31'12	transit begin	13370 Mar 19 23:31	7° <b>Υ</b> 56'01	0 11 20
morning max er	13369 Apr 28 03:18	0° <b>8</b>	16 31 12	transit end	13370 Mar 19 23:31 13370 Mar 20 03:44	7° <b>Υ</b> 44'09	
desc. node	13369 May 04 15:26	9° <b>8</b> 50'05		morning rise	13370 Mar 26 07:43	2° <b>Υ</b> 18'13	
	13369 May 11 13:41	20° <b>8</b> 42'24		direct	13370 Mar 29 01:20	2 1 18 13 1° <b>Υ</b> 38'16	
morning set	13369 May 17 13:41 13369 May 17 11:34	20 <b>O</b> 42 24 0° <b>Ⅱ</b>		morning max el	13370 Mai 29 01:20 13370 Apr 04 09:33	4° <b>Υ</b> 56'42	18°00'29
	13309 May 17 11.34	υш		morning max er	-	4 1 30 42 0° <b>と</b>	18 00 29
	122(0 M 27, 12-42	150 <b>T</b> 42144	2007/01	4 4-	13370 Apr 21 11:35	0° <b>と</b> 01'57	
superior conj	13369 May 27 12:43	15° <b>Ⅱ</b> 42'44		desc. node	13370 Apr 21 12:04		
minimum elong	13369 May 27 06:42	15° <b>Ⅱ</b> 19'15		morning set	13370 Apr 22 12:19	1° <b>8</b> 41'18	
max. Earth dist.	13369 May 27 10:11		1.45810 AU		12270 M 06 22.50	250	1041151
oveniri	13369 Jun 05 15:45	0°©		superior conj	13370 May 06 23:50	25° <b>8</b> 00'32	
evening rise	13369 Jun 12 06:01	10°524'03	0.0-	minimum elong	13370 May 06 14:40	24° <b>8</b> 24'21	1°41'46
greatest brilliancy	13369 Jun 20 19:14	23°953'34	-0.8m	may E-uth 11 t	13370 May 10 04:00	0°П 0°П00'04	1 45620 417
1	13369 Jun 24 18:42	0°Ω 5°Ω22117		max. Earth dist.	13370 May 10 06:19	0°П09'04	1.45639 AU
asc. node	13369 Jun 28 11:55	5° <b>Ω</b> 23'17	10047110	evening rise	13370 May 23 01:57	20° <b>Ⅱ</b> 01'58	
evening max el	13369 Jul 03 22:38	12° <b>Ω</b> 00′24	18°46'19	, , , , , , , , , , , , , , , , , , , ,	13370 May 29 13:57	0°©	0.7
retrograde	13369 Jul 10 13:43	15° <b>Ω</b> 37'38		greatest brilliancy	13370 Jun 05 12:40	10°527'21	-0.7m
evening set	13369 Jul 13 21:18	14° <b>Ω</b> 34'29	2054112	asc. node	13370 Jun 15 08:53	23°546'04	10022116
inferior conj	13369 Jul 19 11:18	8° <b>Ω</b> 53'37		evening max el	13370 Jun 17 05:54	25°547'09	19°33'18
minimum elong	13369 Jul 19 13:03		2°53'03	retrograde	13370 Jun 24 11:32	29°551'31	
min. Earth dist.	13369 Jul 21 07:13	6° <b>Ω</b> 36'52	0.65958 AU	evening set	13370 Jun 28 04:22	28° <b>©</b> 31'48	

inferior conj	13370 Jul 03 13:02	22° <b>©</b> 37'15	3°09'39	inferior conj	13371 Jun 17 19:33	6° <b>©</b> 33'44	3°12'15
minimum elong	13370 Jul 03 13:48	22° <b>©</b> 34'43	3°08'36	minimum elong	13371 Jun 17 19:17	6° <b>©</b> 34'39	3°11'12
min. Earth dist.	13370 Jul 04 18:30	20°959'32	0.67385 AU	min. Earth dist.	13371 Jun 18 11:06	5° <b>5</b> 40'09	0.68353 AU
morning rise	13370 Jul 08 22:47	16°©13'29		morning rise	13371 Jun 23 00:58	0°©13'29	
direct	13370 Jul 14 21:10	13° <b>©</b> 37'32		Ç	13371 Jun 23 07:07	30°R <b>Ⅱ</b>	
desc. node	13370 Jul 18 11:53	14°525'41		direct	13371 Jun 28 11:38	27° <b>II</b> 49'29	
morning max el	13370 Jul 27 02:08	20°956'30	25°25'21	uncet	13371 Jul 04 08:45	0°95	
morning max er			23 23 21	4 4-		0°5643'45	
	13370 Aug 03 21:58	O°O		desc. node	13371 Jul 05 09:07		22050111
	13370 Aug 24 05:27	0° <b>m</b> )		morning max el	13371 Jul 09 12:19	4° <b>©</b> 25'35	23°58'11
morning set	13370 Sep 01 01:08	13° <b>m</b> /31'10			13371 Jul 29 04:14	$0$ ° $\Omega$	
max. Earth dist.	13370 Sep 04 15:54	20° <b>m</b> 10'15	1.36204 AU	morning set	13371 Aug 13 19:48	24° <b>Ω</b> 58'32	
	13370 Sep 09 18:19	0∘ <b>ত</b>			13371 Aug 16 17:19	0° <b>m</b> y	
				max. Earth dist.	13371 Aug 17 13:39	1° <b>m</b> 29'43	1.38486 AU
superior conj	13370 Sep 10 21:06	2° <b>₽</b> 12'56	-0°05'04				
minimum elong	13370 Sep 10 21:25	2° <b>₽</b> 14'30	0°05'04	superior conj	13371 Aug 24 23:29	15° m 05'23	-0°38'59
behind sun begin	13370 Sep 10 15:23	1° <b>≏</b> 44'24		minimum elong	13371 Aug 25 02:14	15° <b>m</b> ) 18'24	
behind sun end	13370 Sep 11 03:28	2° <b>£</b> 44'40		asc. node	13371 Aug 29 06:36	23° m/21'57	0 0001
asc. node	13370 Sep 11 05:20	3° <b>₽</b> 17'28		use. Houe	Č	0° <b>ي</b> 0°	
	-				13371 Sep 01 15:41		
evening rise	13370 Sep 18 21:45	18° <b>≏</b> 33'00		evening rise	13371 Sep 02 21:59	2° <b>Ω</b> 29'05	
	13370 Sep 24 16:43	0° <b>M</b> ₊		evening max el	13371 Sep 19 06:17	29° <b>≏</b> 10'17	18°57'49
evening max el	13370 Oct 06 11:27	17°M29'46	19°56'12		13371 Sep 20 03:12	0° <b>M</b>	
desc. node	13370 Oct 14 08:09	22°M21'38		retrograde	13371 Sep 27 23:57	3° <b>M</b> ₃33′02	
retrograde	13370 Oct 16 19:38	22°M38'54		evening set	13371 Sep 29 20:48	3° <b>M</b> 21′49	
evening set	13370 Oct 18 18:41	22°M28'38		desc. node	13371 Oct 01 05:38	3°M00'09	
inferior conj	13370 Oct 27 15:54	18°ML28'43	-4°00'38		13371 Oct 06 21:03	30° <b>Ŗ</b> Ω	
minimum elong	13370 Oct 27 06:12	18° <b>M</b> .43'29	3°56'51	inferior conj	13371 Oct 08 04:43	29° <b>≏</b> 05'20	-2°12'01
min. Earth dist.	13370 Oct 29 14:08	17° <b>M</b> L18'20	0.55036 AU	minimum elong	13371 Oct 07 23:07	29° <b>≙</b> 15′08	2°09'26
morning rise	13370 Nov 04 16:21	14°ML16'39	0.00000110	min. Earth dist.	13371 Oct 11 02:58	27° <b>♀</b> 02'58	0.56421 AU
direct	13370 Nov 09 12:46	13°M25'08		morning rise	13371 Oct 11 02:30	24° <b>⊆</b> 18'09	0.50421710
			24926120	•		23° <b>£</b> 02'35	
morning max el	13370 Nov 23 06:16		24°26'39	direct	13371 Oct 21 14:04		
	13370 Dec 01 13:42	0° <b>∡¹</b>			13371 Nov 04 09:52	0°M,	2 (00 (10 7
asc. node	13370 Dec 08 11:18	10° <b>∡</b> 52'57		morning max el	13371 Nov 04 18:07	0° <b>ጤ</b> 19'34	26°06'05
	13370 Dec 18 05:06	0°ಕ		asc. node	13371 Nov 25 08:14	29° <b>M</b> 51'53	
morning set	13370 Dec 18 12:15	0° <b>る</b> 38'17			13371 Nov 25 09:58	0° <b>∡</b> ¹	
						1.50 71.050	
				morning set	13371 Dec 02 23:19	15° <b>∡</b> 16'52	
superior conj	13370 Dec 25 07:34	15° <b>る</b> 30'19	1°37'22	morning set	13371 Dec 02 23:19	15°×'16'52	
superior conj minimum elong	13370 Dec 25 07:34 13370 Dec 25 08:08	15° <b>ට</b> 33'30	1°37'22 1°38'23	morning set superior conj	13371 Dec 02 23:19 13371 Dec 09 18:06		1°37'36
		15° <b>る</b> 33'30	1°38'23	-			
minimum elong	13370 Dec 25 08:08 13370 Dec 27 12:13	15°පි33'30 20°පි16'34	1°38'23	superior conj	13371 Dec 09 18:06 13371 Dec 09 17:35	0°중13'24 0°중10'35	
minimum elong max. Earth dist.	13370 Dec 25 08:08 13370 Dec 27 12:13 13371 Jan 01 02:57	15° <b>ප</b> 33'30 20° <b>පි</b> 16'34 0°≈	1°38'23	superior conj minimum elong	13371 Dec 09 18:06 13371 Dec 09 17:35 13371 Dec 09 15:41	0° <b>ठ</b> 13'24 0° <b>ठ</b> 10'35 0° <b>ठ</b>	1°38'37
minimum elong max. Earth dist.	13370 Dec 25 08:08 13370 Dec 27 12:13 13371 Jan 01 02:57 13371 Jan 01 17:49	15°♂33'30 20°♂16'34 0°≈ 1°≈15'53	1°38'23	superior conj minimum elong max. Earth dist.	13371 Dec 09 18:06 13371 Dec 09 17:35 13371 Dec 09 15:41 13371 Dec 10 17:40	0°る13'24 0°る10'35 0°る 2°る24'15	
minimum elong max. Earth dist.	13370 Dec 25 08:08 13370 Dec 27 12:13 13371 Jan 01 02:57 13371 Jan 01 17:49 13371 Jan 10 06:32	15° ් 33'30 20° ් 316'34 0° ≈ 1° ≈15'53 17° ≈30'57	1°38'23	superior conj minimum elong	13371 Dec 09 18:06 13371 Dec 09 17:35 13371 Dec 09 15:41 13371 Dec 10 17:40 13371 Dec 16 18:08	0°පි13'24 0°පි10'35 0°පි 2°පි24'15 15°පි26'34	1°38'37
minimum elong max. Earth dist. evening rise desc. node	13370 Dec 25 08:08 13370 Dec 27 12:13 13371 Jan 01 02:57 13371 Jan 01 17:49 13371 Jan 10 06:32 13371 Jan 17 18:31	15°♂33'30 20°♂16'34 0°≈ 1°≈15'53 17°≈30'57 0°¥	1°38'23 1.32453 AU	superior conj minimum elong max. Earth dist. evening rise	13371 Dec 09 18:06 13371 Dec 09 17:35 13371 Dec 09 15:41 13371 Dec 10 17:40 13371 Dec 16 18:08 13371 Dec 24 02:40	0°♂13'24 0°♂10'35 0°♂ 2°♂24'15 15°♂26'34 0°≈	1°38'37
minimum elong max. Earth dist. evening rise desc. node evening max el	13370 Dec 25 08:08 13370 Dec 27 12:13 13371 Jan 01 02:57 13371 Jan 01 17:49 13371 Jan 10 06:32 13371 Jan 17 18:31 13371 Feb 04 07:31	15°♂33'30 20°♂16'34 0°≈ 1°≈15'53 17°≈30'57 0°₩ 22°₩25'09	1°38'23	superior conj minimum elong max. Earth dist.	13371 Dec 09 18:06 13371 Dec 09 17:35 13371 Dec 09 15:41 13371 Dec 10 17:40 13371 Dec 16 18:08 13371 Dec 24 02:40 13371 Dec 28 03:24	0°る13'24 0°る10'35 0°る 2°る24'15 15°る26'34 0°≈ 7°≈12'11	1°38'37
minimum elong max. Earth dist. evening rise desc. node evening max el retrograde	13370 Dec 25 08:08 13370 Dec 27 12:13 13371 Jan 01 02:57 13371 Jan 01 17:49 13371 Jan 10 06:32 13371 Jan 17 18:31 13371 Feb 04 07:31 13371 Feb 18 02:21	15°る33'30 20°る16'34 0°≈ 1°≈15'53 17°≈30'57 0°升 22°升25'09 29°升51'25	1°38'23 1.32453 AU	superior conj minimum elong max. Earth dist. evening rise desc. node	13371 Dec 09 18:06 13371 Dec 09 17:35 13371 Dec 09 15:41 13371 Dec 10 17:40 13371 Dec 16 18:08 13371 Dec 24 02:40 13371 Dec 28 03:24 13372 Jan 12 21:36	0°る13'24 0°る10'35 0°る 2°る24'15 15°る26'34 0°≈ 7°≈12'11	1°38'37 1.31584 AU
minimum elong max. Earth dist. evening rise desc. node evening max el retrograde evening set	13370 Dec 25 08:08 13370 Dec 27 12:13 13371 Jan 01 02:57 13371 Jan 01 17:49 13371 Jan 10 06:32 13371 Jan 17 18:31 13371 Feb 04 07:31 13371 Feb 18 02:21 13371 Feb 24 23:11	15°♂33'30 20°♂16'34 0°≈ 1°≈15'53 17°≈30'57 0° ₩ 22° ₩25'09 29° ₩51'25 27° ₩25'43	1°38'23 1.32453 AU 27°32'18	superior conj minimum elong max. Earth dist. evening rise desc. node evening max el	13371 Dec 09 18:06 13371 Dec 09 17:35 13371 Dec 09 15:41 13371 Dec 10 17:40 13371 Dec 16 18:08 13371 Dec 24 02:40 13371 Dec 28 03:24 13372 Jan 12 21:36 13372 Jan 17 16:14	0°♂13'24 0°♂10'35 0°♂ 2°♂24'15 15°♂26'34 0°≈ 7°≈12'11 0°升 5°升02'55	1°38'37 1.31584 AU
minimum elong max. Earth dist. evening rise desc. node evening max el retrograde evening set min. Earth dist.	13370 Dec 25 08:08 13370 Dec 27 12:13 13371 Jan 01 02:57 13371 Jan 01 17:49 13371 Jan 10 06:32 13371 Jan 17 18:31 13371 Feb 04 07:31 13371 Feb 18 02:21 13371 Feb 24 23:11 13371 Feb 28 17:50	15°♂33'30 20°♂16'34 0°≈ 1°≈15'53 17°≈30'57 0° ₩ 22° ₩25'09 29° ₩51'25 27° ₩25'43 24° ₩11'11	1°38'23 1.32453 AU 27°32'18 0.63475 AU	superior conj minimum elong max. Earth dist. evening rise desc. node evening max el retrograde	13371 Dec 09 18:06 13371 Dec 09 17:35 13371 Dec 09 15:41 13371 Dec 10 17:40 13371 Dec 16 18:08 13371 Dec 24 02:40 13371 Dec 28 03:24 13372 Jan 12 21:36 13372 Jan 17 16:14 13372 Jan 31 14:47	0°♂13'24 0°♂10'35 0°♂ 2°♂24'15 15°♂26'34 0°≈ 7°≈12'11 0°升 5°升02'55 12°升21'37	1°38'37 1.31584 AU
minimum elong max. Earth dist. evening rise desc. node evening max el retrograde evening set min. Earth dist. inferior conj	13370 Dec 25 08:08 13370 Dec 27 12:13 13371 Jan 01 02:57 13371 Jan 01 17:49 13371 Jan 10 06:32 13371 Jan 17 18:31 13371 Feb 04 07:31 13371 Feb 18 02:21 13371 Feb 24 23:11 13371 Feb 28 17:50 13371 Mar 03 11:37	15°♂33'30 20°♂16'34 0°≈ 1°≈15'53 17°≈30'57 0° ₩ 22° ₩25'09 29° ₩51'25 27° ₩25'43 24° ₩11'11 21° ₩24'46	1°38'23 1.32453 AU 27°32'18 0.63475 AU -0°56'28	superior conj minimum elong max. Earth dist. evening rise desc. node evening max el retrograde evening set	13371 Dec 09 18:06 13371 Dec 09 17:35 13371 Dec 09 15:41 13371 Dec 10 17:40 13371 Dec 16 18:08 13371 Dec 24 02:40 13371 Dec 28 03:24 13372 Jan 12 21:36 13372 Jan 17 16:14 13372 Jan 31 14:47 13372 Feb 07 12:08	0°♂13'24 0°♂10'35 0°♂ 2°♂24'15 15°♂26'34 0°≈ 7°≈12'11 0°⊁ 5°₩02'55 12°₩21'37	1°38'37 1.31584 AU 27°24'59
minimum elong max. Earth dist. evening rise desc. node evening max el retrograde evening set min. Earth dist.	13370 Dec 25 08:08 13370 Dec 27 12:13 13371 Jan 01 02:57 13371 Jan 01 17:49 13371 Jan 10 06:32 13371 Jan 17 18:31 13371 Feb 04 07:31 13371 Feb 18 02:21 13371 Feb 24 23:11 13371 Feb 28 17:50	15°♂33'30 20°♂16'34 0°≈ 1°≈15'53 17°≈30'57 0° ₩ 22° ₩25'09 29° ₩51'25 27° ₩25'43 24° ₩11'11 21° ₩24'46 21° ₩20'09	1°38'23 1.32453 AU 27°32'18 0.63475 AU	superior conj minimum elong max. Earth dist. evening rise desc. node evening max el retrograde evening set min. Earth dist.	13371 Dec 09 18:06 13371 Dec 09 17:35 13371 Dec 09 15:41 13371 Dec 10 17:40 13371 Dec 16 18:08 13371 Dec 24 02:40 13371 Dec 28 03:24 13372 Jan 12 21:36 13372 Jan 17 16:14 13372 Jan 31 14:47	0°♂13'24 0°♂10'35 0°♂ 2°♂24'15 15°♂26'34 0°≈ 7°≈12'11 0°¥ 5°¥02'55 12°¥21'37 10°¥10'27 7°¥19'15	1°38'37 1.31584 AU 27°24'59 0.61389 AU
minimum elong max. Earth dist.  evening rise desc. node  evening max el retrograde evening set min. Earth dist. inferior conj minimum elong asc. node	13370 Dec 25 08:08 13370 Dec 27 12:13 13371 Jan 01 02:57 13371 Jan 01 17:49 13371 Jan 10 06:32 13371 Jan 17 18:31 13371 Feb 04 07:31 13371 Feb 18 02:21 13371 Feb 24 23:11 13371 Feb 28 17:50 13371 Mar 03 11:37	15°♂33'30 20°♂16'34 0°≈ 1°≈15'53 17°≈30'57 0° ₩ 22° ₩25'09 29° ₩51'25 27° ₩25'43 24° ₩11'11 21° ₩24'46 21° ₩20'09 18° ₩38'59	1°38'23 1.32453 AU 27°32'18 0.63475 AU -0°56'28	superior conj minimum elong max. Earth dist. evening rise desc. node evening max el retrograde evening set	13371 Dec 09 18:06 13371 Dec 09 17:35 13371 Dec 09 15:41 13371 Dec 10 17:40 13371 Dec 16 18:08 13371 Dec 24 02:40 13371 Dec 28 03:24 13372 Jan 12 21:36 13372 Jan 17 16:14 13372 Jan 31 14:47 13372 Feb 07 12:08	0°♂13'24 0°♂10'35 0°♂ 2°♂24'15 15°♂26'34 0°≈ 7°≈12'11 0°¥ 5°¥02'55 12°¥21'37 10°¥10'27 7°¥19'15 4°¥33'58	1°38'37 1.31584 AU 27°24'59 0.61389 AU -2°14'23
minimum elong max. Earth dist.  evening rise desc. node  evening max el retrograde evening set min. Earth dist. inferior conj minimum elong	13370 Dec 25 08:08 13370 Dec 27 12:13 13371 Jan 01 02:57 13371 Jan 01 17:49 13371 Jan 10 06:32 13371 Jan 17 18:31 13371 Feb 04 07:31 13371 Feb 18 02:21 13371 Feb 24 23:11 13371 Feb 28 17:50 13371 Mar 03 11:37 13371 Mar 03 13:26	15°♂33'30 20°♂16'34 0°≈ 1°≈15'53 17°≈30'57 0° ₩ 22° ₩25'09 29° ₩51'25 27° ₩25'43 24° ₩11'11 21° ₩24'46 21° ₩20'09	1°38'23 1.32453 AU 27°32'18 0.63475 AU -0°56'28	superior conj minimum elong max. Earth dist. evening rise desc. node evening max el retrograde evening set min. Earth dist.	13371 Dec 09 18:06 13371 Dec 09 17:35 13371 Dec 09 15:41 13371 Dec 10 17:40 13371 Dec 16 18:08 13371 Dec 24 02:40 13371 Dec 28 03:24 13372 Jan 12 21:36 13372 Jan 17 16:14 13372 Jan 31 14:47 13372 Feb 07 12:08 13372 Feb 11 06:36	0°♂13'24 0°♂10'35 0°♂ 2°♂24'15 15°♂26'34 0°≈ 7°≈12'11 0°¥ 5°¥02'55 12°¥21'37 10°¥10'27 7°¥19'15	1°38'37 1.31584 AU 27°24'59 0.61389 AU -2°14'23
minimum elong max. Earth dist.  evening rise desc. node  evening max el retrograde evening set min. Earth dist. inferior conj minimum elong asc. node	13370 Dec 25 08:08 13370 Dec 27 12:13 13371 Jan 01 02:57 13371 Jan 01 17:49 13371 Jan 10 06:32 13371 Jan 17 18:31 13371 Feb 04 07:31 13371 Feb 18 02:21 13371 Feb 24 23:11 13371 Feb 28 17:50 13371 Mar 03 11:37 13371 Mar 03 13:26 13371 Mar 06 08:56	15°♂33'30 20°♂16'34 0°≈ 1°≈15'53 17°≈30'57 0° ₩ 22° ₩25'09 29° ₩51'25 27° ₩25'43 24° ₩11'11 21° ₩24'46 21° ₩20'09 18° ₩38'59	1°38'23 1.32453 AU 27°32'18 0.63475 AU -0°56'28	superior conj minimum elong max. Earth dist. evening rise desc. node evening max el retrograde evening set min. Earth dist. inferior conj	13371 Dec 09 18:06 13371 Dec 09 17:35 13371 Dec 09 15:41 13371 Dec 10 17:40 13371 Dec 16 18:08 13371 Dec 24 02:40 13371 Dec 28 03:24 13372 Jan 12 21:36 13372 Jan 17 16:14 13372 Jan 31 14:47 13372 Feb 07 12:08 13372 Feb 11 06:36 13372 Feb 14 08:28	0°♂13'24 0°♂10'35 0°♂ 2°♂24'15 15°♂26'34 0°≈ 7°≈12'11 0°¥ 5°¥02'55 12°¥21'37 10°¥10'27 7°¥19'15 4°¥33'58	1°38'37 1.31584 AU 27°24'59 0.61389 AU -2°14'23
minimum elong max. Earth dist.  evening rise desc. node  evening max el retrograde evening set min. Earth dist. inferior conj minimum elong asc. node morning rise	13370 Dec 25 08:08 13370 Dec 27 12:13 13371 Jan 01 02:57 13371 Jan 01 17:49 13371 Jan 10 06:32 13371 Jan 17 18:31 13371 Feb 04 07:31 13371 Feb 18 02:21 13371 Feb 24 23:11 13371 Feb 28 17:50 13371 Mar 03 11:37 13371 Mar 03 13:26 13371 Mar 06 08:56 13371 Mar 10 06:07	15°♂33'30 20°♂16'34 0°≈ 1°≈15'53 17°≈30'57 0°¥ 22°¥25'09 29°¥51'25 27°¥25'43 24°¥11'11 21°¥24'46 21°¥20'09 18°¥38'59 16°¥08'51	1°38'23 1.32453 AU 27°32'18 0.63475 AU -0°56'28 0°55'27	superior conj minimum elong max. Earth dist. evening rise desc. node evening max el retrograde evening set min. Earth dist. inferior conj	13371 Dec 09 18:06 13371 Dec 09 17:35 13371 Dec 09 15:41 13371 Dec 10 17:40 13371 Dec 16 18:08 13371 Dec 24 02:40 13371 Dec 28 03:24 13372 Jan 12 21:36 13372 Jan 17 16:14 13372 Jan 31 14:47 13372 Feb 07 12:08 13372 Feb 11 06:36 13372 Feb 14 08:28 13372 Feb 14 13:13	0°♂13'24 0°♂10'35 0°♂ 2°♂24'15 15°♂26'34 0°≈ 7°≈12'11 0°¥ 5°¥02'55 12°¥21'37 10°¥10'27 7°¥19'15 4°¥33'58 4°¥23'20	1°38'37 1.31584 AU 27°24'59 0.61389 AU -2°14'23
minimum elong max. Earth dist.  evening rise desc. node  evening max el retrograde evening set min. Earth dist. inferior conj minimum elong asc. node morning rise direct	13370 Dec 25 08:08 13370 Dec 27 12:13 13371 Jan 01 02:57 13371 Jan 01 17:49 13371 Jan 10 06:32 13371 Jan 17 18:31 13371 Feb 04 07:31 13371 Feb 18 02:21 13371 Feb 24 23:11 13371 Feb 28 17:50 13371 Mar 03 11:37 13371 Mar 03 13:26 13371 Mar 06 08:56 13371 Mar 10 06:07 13371 Mar 12 15:36	15°♂33'30 20°♂16'34 0°≈ 1°≈15'53 17°≈30'57 0°¥ 22°¥25'09 29°¥51'25 27°¥25'43 24°¥11'11 21°¥24'46 21°¥20'09 18°¥38'59 16°¥08'51 15°¥40'55	1°38'23 1.32453 AU 27°32'18 0.63475 AU -0°56'28 0°55'27	superior conj minimum elong max. Earth dist. evening rise desc. node evening max el retrograde evening set min. Earth dist. inferior conj minimum elong asc. node	13371 Dec 09 18:06 13371 Dec 09 17:35 13371 Dec 09 15:41 13371 Dec 10 17:40 13371 Dec 16 18:08 13371 Dec 24 02:40 13371 Dec 28 03:24 13372 Jan 12 21:36 13372 Jan 17 16:14 13372 Jan 31 14:47 13372 Feb 07 12:08 13372 Feb 14 08:28 13372 Feb 14 13:13 13372 Feb 14 13:13	0°♂13'24 0°♂10'35 0°♂ 2°♂24'15 15°♂26'34 0°≈ 7°≈12'11 0°¥ 5°¥02'55 12°¥21'37 10°¥10'27 7°¥19'15 4°¥33'58 4°¥23'20 30°R≈	1°38'37 1.31584 AU 27°24'59 0.61389 AU -2°14'23
minimum elong max. Earth dist.  evening rise desc. node  evening max el retrograde evening set min. Earth dist. inferior conj minimum elong asc. node morning rise direct morning max el	13370 Dec 25 08:08 13370 Dec 27 12:13 13371 Jan 01 02:57 13371 Jan 01 17:49 13371 Jan 10 06:32 13371 Jan 17 18:31 13371 Feb 04 07:31 13371 Feb 24 23:11 13371 Feb 28 17:50 13371 Mar 03 11:37 13371 Mar 03 13:26 13371 Mar 06 08:56 13371 Mar 10 06:07 13371 Mar 12 15:36 13371 Mar 19 03:15 13371 Mar 27 06:57	15°♂33'30 20°♂16'34 0°≈ 1°≈15'53 17°≈30'57 0°¥ 22°¥25'09 29°¥51'25 27°¥25'43 24°¥11'11 21°¥24'46 21°¥20'09 18°¥38'59 16°¥08'51 15°¥40'55 19°¥00'21 0°℃	1°38'23 1.32453 AU 27°32'18 0.63475 AU -0°56'28 0°55'27	superior conj minimum elong max. Earth dist. evening rise desc. node evening max el retrograde evening set min. Earth dist. inferior conj minimum elong asc. node morning rise	13371 Dec 09 18:06 13371 Dec 09 17:35 13371 Dec 09 15:41 13371 Dec 10 17:40 13371 Dec 16 18:08 13371 Dec 24 02:40 13371 Dec 28 03:24 13372 Jan 12 21:36 13372 Jan 17 16:14 13372 Jan 31 14:47 13372 Feb 07 12:08 13372 Feb 11 06:36 13372 Feb 14 08:28 13372 Feb 14 13:13 13372 Feb 20 15:17 13372 Feb 21 06:23 13372 Feb 21 17:15	0°る13'24 0°る10'35 0°る 2°る24'15 15°る26'34 0°≈ 7°≈12'11 0°米 5°米02'55 12°¥21'37 10°¥10'27 7°¥19'15 4°¥33'58 4°¥23'20 30°8≈ 29°≈44'53 29°≈35'54	1°38'37 1.31584 AU 27°24'59 0.61389 AU -2°14'23
minimum elong max. Earth dist.  evening rise desc. node  evening max el retrograde evening set min. Earth dist. inferior conj minimum elong asc. node morning rise direct morning max el	13370 Dec 25 08:08 13370 Dec 27 12:13 13371 Jan 01 02:57 13371 Jan 01 17:49 13371 Jan 10 06:32 13371 Jan 17 18:31 13371 Feb 04 07:31 13371 Feb 24 23:11 13371 Feb 28 17:50 13371 Mar 03 11:37 13371 Mar 03 13:26 13371 Mar 06 08:56 13371 Mar 10 06:07 13371 Mar 12 15:36 13371 Mar 19 03:15 13371 Mar 27 06:57 13371 Apr 04 13:35	15°♂33'30 20°♂16'34 0°≈ 1°≈15'53 17°≈30'57 0° ₩ 22° ₩25'09 29° ₩51'25 27° ₩25'43 24° ₩11'11 21° ₩24'46 21° ₩20'09 18° ₩38'59 16° ₩08'51 15° ₩40'55 19° ₩00'21 0° Ψ 13° Ψ56'15	1°38'23 1.32453 AU 27°32'18 0.63475 AU -0°56'28 0°55'27	superior conj minimum elong max. Earth dist. evening rise desc. node evening max el retrograde evening set min. Earth dist. inferior conj minimum elong asc. node	13371 Dec 09 18:06 13371 Dec 09 17:35 13371 Dec 09 15:41 13371 Dec 10 17:40 13371 Dec 16 18:08 13371 Dec 24 02:40 13371 Dec 28 03:24 13372 Jan 12 21:36 13372 Jan 17 16:14 13372 Jan 31 14:47 13372 Feb 07 12:08 13372 Feb 11 06:36 13372 Feb 14 08:28 13372 Feb 14 08:28 13372 Feb 20 15:17 13372 Feb 21 106:23 13372 Feb 21 17:15 13372 Feb 21 17:15	0°る13'24 0°る10'35 0°る 2°る24'15 15°る26'34 0°≈ 7°≈12'11 0°米 5°米02'55 12°米21'37 10°米10'27 7°米19'15 4°米33'58 4°米23'20 30°R≈ 29°≈44'53 29°≈35'54 29°≈16'12	1°38'37 1.31584 AU 27°24'59 0.61389 AU -2°14'23
minimum elong max. Earth dist.  evening rise desc. node  evening max el retrograde evening set min. Earth dist. inferior conj minimum elong asc. node morning rise direct morning max el	13370 Dec 25 08:08 13370 Dec 27 12:13 13371 Jan 01 02:57 13371 Jan 01 17:49 13371 Jan 10 06:32 13371 Jan 17 18:31 13371 Feb 04 07:31 13371 Feb 24 23:11 13371 Feb 28 17:50 13371 Mar 03 11:37 13371 Mar 03 13:26 13371 Mar 06 08:56 13371 Mar 10 06:07 13371 Mar 12 15:36 13371 Mar 19 03:15 13371 Mar 27 06:57 13371 Apr 04 13:35 13371 Apr 08 08:38	15°♂33'30 20°♂16'34 0°≈ 1°≈15'53 17°≈30'57 0°ℋ 22°ℋ25'09 29°ℋ51'25 27°ℋ25'43 24°ℋ11'11 21°ℋ24'46 21°ℋ20'09 18°ℋ38'59 16°ℋ08'51 15°ℋ40'55 19°ℋ00'21 0°Ლ 13°℉56'15 20°℉25'44	1°38'23 1.32453 AU 27°32'18 0.63475 AU -0°56'28 0°55'27	superior conj minimum elong max. Earth dist. evening rise desc. node evening max el retrograde evening set min. Earth dist. inferior conj minimum elong asc. node morning rise direct	13371 Dec 09 18:06 13371 Dec 09 17:35 13371 Dec 09 15:41 13371 Dec 10 17:40 13371 Dec 16 18:08 13371 Dec 24 02:40 13371 Dec 28 03:24 13372 Jan 12 21:36 13372 Jan 17 16:14 13372 Jan 31 14:47 13372 Feb 07 12:08 13372 Feb 11 06:36 13372 Feb 14 08:28 13372 Feb 14 13:13 13372 Feb 20 15:17 13372 Feb 21 17:15 13372 Feb 21 17:15 13372 Feb 23 20:48 13372 Feb 27 00:22	0°る13'24 0°る10'35 0°る 2°る24'15 15°る26'34 0°≈ 7°≈12'11 0°米 5°米02'55 12°米21'37 10°米10'27 7°米19'15 4°米33'58 4°米23'20 30°R≈ 29°≈44'53 29°≈35'54 29°≈16'12 0°米	1°38'37 1.31584 AU 27°24'59 0.61389 AU -2°14'23 2°11'58
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minimum elong max. Earth dist.  evening rise desc. node  evening max el retrograde evening set min. Earth dist. inferior conj minimum elong asc. node morning rise direct morning max el  morning set desc. node  superior conj minimum elong max. Earth dist.	13370 Dec 25 08:08 13370 Dec 27 12:13 13371 Jan 01 02:57 13371 Jan 01 17:49 13371 Jan 10 06:32 13371 Jan 17 18:31 13371 Feb 04 07:31 13371 Feb 24 23:11 13371 Feb 28 17:50 13371 Mar 03 11:37 13371 Mar 03 13:26 13371 Mar 06 08:56 13371 Mar 10 06:07 13371 Mar 12 15:36 13371 Mar 12 15:36 13371 Mar 19 03:15 13371 Mar 27 06:57 13371 Apr 10 4 13:35 13371 Apr 04 13:35 13371 Apr 14 01:10 13371 Apr 17 04:20 13371 Apr 17 04:20 13371 Apr 13 00:39 13371 Mar 23 00:39 13371 May 02 12:58	15°♂33'30 20°♂16'34 0°≈ 1°≈15'53 17°≈30'57 0° ₭ 22° ₭25'09 29° ₭51'25 27° ₭25'43 24° ₭11'11 21° ₭24'46 21° ₭20'09 18° ₭38'59 16° ₭08'51 15° ₭40'55 19° ₭00'21 0° ℉ 13° ℉56'15 20° ℉25'44 0° ₭ 5° ₭09'26 4° ₭42'39 14° ₭34'37 29° ₭24'55	1°38'23 1.32453 AU 27°32'18 0.63475 AU -0°56'28 0°55'27 17°46'57	superior conj minimum elong  max. Earth dist. evening rise  desc. node  evening max el retrograde evening set min. Earth dist. inferior conj minimum elong  asc. node morning rise direct  morning max el morning set  desc. node superior conj	13371 Dec 09 18:06 13371 Dec 09 17:35 13371 Dec 09 15:41 13371 Dec 10 17:40 13371 Dec 16 18:08 13371 Dec 24 02:40 13371 Dec 28 03:24 13372 Jan 12 21:36 13372 Jan 17 16:14 13372 Feb 07 12:08 13372 Feb 11 06:36 13372 Feb 14 08:28 13372 Feb 14 13:13 13372 Feb 20 15:17 13372 Feb 21 06:23 13372 Feb 21 17:15 13372 Feb 21 17:15 13372 Feb 23 20:48 13372 Feb 27 00:22 13372 Mar 01 19:53 13372 Mar 17 11:37 13372 Mar 19 01:25 13372 Mar 25 05:10	0°号13'24 0°号10'35 0°号 2°号24'15 15°号26'34 0°≈ 7°≈12'11 0°升 5°升02'55 12°升21'37 10°升10'27 7°升19'15 4°升33'58 4°升23'20 30°R≈ 29°≈44'53 29°≈35'54 29°≈16'12 0°升 2°升46'50 27°升09'41 0°쒸	1°38'37 1.31584 AU 27°24'59 0.61389 AU -2°14'23 2°11'58 17°51'21
minimum elong max. Earth dist.  evening rise desc. node  evening max el retrograde evening set min. Earth dist. inferior conj minimum elong asc. node morning rise direct morning max el  morning set desc. node  superior conj minimum elong max. Earth dist.	13370 Dec 25 08:08 13370 Dec 27 12:13 13371 Jan 01 02:57 13371 Jan 01 17:49 13371 Jan 10 06:32 13371 Jan 17 18:31 13371 Feb 04 07:31 13371 Feb 24 23:11 13371 Feb 28 17:50 13371 Mar 03 11:37 13371 Mar 03 13:26 13371 Mar 06 08:56 13371 Mar 10 06:07 13371 Mar 12 15:36 13371 Mar 19 03:15 13371 Mar 27 06:57 13371 Apr 04 13:35 13371 Apr 04 13:35 13371 Apr 14 01:10 13371 Apr 17 04:20 13371 Apr 17 04:20 13371 Apr 23 00:39 13371 May 02 12:58 13371 May 02 22:07	15°♂33'30 20°♂16'34 0°≈ 1°≈15'53 17°≈30'57 0° ₭ 22° ₭25'09 29° ₭51'25 27° ₭25'43 24° ₭11'11 21° ₭24'46 21° ₭20'09 18° ₭38'59 16° ₭08'51 15° ₭40'55 19° ₭00'21 0° ℉ 13° ℉56'15 20° ℉25'44 0° ₭ 5° ₭09'26 4° ₭42'39 14° ₭34'37 29° ₭24'55 0° Ⅱ	1°38'23 1.32453 AU 27°32'18 0.63475 AU -0°56'28 0°55'27 17°46'57 -1°04'49 1°04'25 1.44747 AU	superior conj minimum elong  max. Earth dist. evening rise  desc. node  evening max el retrograde evening set min. Earth dist. inferior conj minimum elong  asc. node morning rise direct  morning max el morning set  desc. node  superior conj minimum elong	13371 Dec 09 18:06 13371 Dec 09 17:35 13371 Dec 09 15:41 13371 Dec 10 17:40 13371 Dec 16 18:08 13371 Dec 24 02:40 13371 Dec 28 03:24 13372 Jan 12 21:36 13372 Jan 17 16:14 13372 Feb 07 12:08 13372 Feb 14 08:28 13372 Feb 14 08:28 13372 Feb 14 13:13 13372 Feb 20 15:17 13372 Feb 21 15:17 13372 Feb 21 17:15 13372 Feb 23 20:48 13372 Feb 27 00:22 13372 Mar 01 19:53 13372 Mar 17 11:37 13372 Mar 19 01:25 13372 Mar 28 08:49 13372 Mar 28 08:49 13372 Mar 28 08:49	0°る13'24 0°る10'35 0°る 2°る24'15 15°る26'34 0°≈ 7°≈12'11 0°升 5°升02'55 12°升21'37 10°升10'27 7°升19'15 4°升33'58 4°升23'20 30°R≈ 29°≈44'53 29°≈35'54 29°≈16'12 0°升 2°升46'50 27°升09'41 0°介 10°介57'27	1°38'37 1.31584 AU 27°24'59 0.61389 AU -2°14'23 2°11'58 17°51'21 -0°24'38 0°24'27
minimum elong max. Earth dist.  evening rise desc. node  evening max el retrograde evening set min. Earth dist. inferior conj minimum elong asc. node  morning rise direct morning max el  morning set desc. node  superior conj minimum elong max. Earth dist. evening rise	13370 Dec 25 08:08 13370 Dec 27 12:13 13371 Jan 01 02:57 13371 Jan 01 17:49 13371 Jan 10 06:32 13371 Jan 17 18:31 13371 Feb 04 07:31 13371 Feb 24 23:11 13371 Feb 28 17:50 13371 Mar 03 11:37 13371 Mar 03 13:26 13371 Mar 10 06:07 13371 Mar 12 15:36 13371 Mar 12 15:36 13371 Mar 19 03:15 13371 Mar 27 06:57 13371 Apr 04 13:35 13371 Apr 04 13:35 13371 Apr 14 01:10 13371 Apr 17 04:20 13371 Apr 16 21:47 13371 Apr 23 00:39 13371 May 02 12:58 13371 May 02 22:07 13371 May 02 22:07	15°♂33'30 20°♂16'34 0°≈ 1°≈15'53 17°≈30'57 0°¥ 22°¥25'09 29°¥51'25 27°¥25'43 24°¥11'11 21°¥24'46 21°¥20'09 18°¥38'59 16°¥08'51 15°¥40'55 19°¥00'21 0°°Y 13°°Y56'15 20°°Y25'44 0°∀ 5°¥09'26 4°∀42'39 14°∀34'37 29°∀24'55 0°∏ 0°©	1°38'23 1.32453 AU 27°32'18 0.63475 AU -0°56'28 0°55'27 17°46'57 -1°04'49 1°04'25 1.44747 AU	superior conj minimum elong  max. Earth dist. evening rise  desc. node  evening max el retrograde evening set min. Earth dist. inferior conj minimum elong  asc. node morning rise direct  morning max el morning set  desc. node  superior conj minimum elong	13371 Dec 09 18:06 13371 Dec 09 17:35 13371 Dec 09 15:41 13371 Dec 10 17:40 13371 Dec 16 18:08 13371 Dec 24 02:40 13371 Dec 28 03:24 13372 Jan 12 21:36 13372 Jan 17 16:14 13372 Feb 07 12:08 13372 Feb 14 08:28 13372 Feb 14 08:28 13372 Feb 14 13:13 13372 Feb 20 15:17 13372 Feb 21 15:17 13372 Feb 21 17:15 13372 Feb 23 20:48 13372 Feb 27 00:22 13372 Mar 17 11:37 13372 Mar 19 01:25 13372 Mar 28 08:49 13372 Mar 28 08:49 13372 Mar 28 06:33 13372 Mar 28 06:33 13372 Mar 28 06:33	0°る13'24 0°る10'35 0°る 2°る24'15 15°る26'34 0°≈ 7°≈12'11 0°升 5°升02'55 12°升10'27 7°升19'15 4°升33'58 4°升23'20 30°R≈ 29°≈44'53 29°≈35'54 29°≈16'12 0°升 2°升46'50 27°升09'41 0°介 10°介57'27	1°38'37 1.31584 AU 27°24'59 0.61389 AU -2°14'23 2°11'58 17°51'21 -0°24'38 0°24'27
minimum elong max. Earth dist.  evening rise desc. node  evening max el retrograde evening set min. Earth dist. inferior conj minimum elong asc. node morning rise direct morning max el  morning set desc. node  superior conj minimum elong max. Earth dist. evening rise  evening max el	13370 Dec 25 08:08 13370 Dec 27 12:13 13371 Jan 01 02:57 13371 Jan 01 17:49 13371 Jan 10 06:32 13371 Jan 17 18:31 13371 Feb 04 07:31 13371 Feb 24 23:11 13371 Feb 28 17:50 13371 Mar 03 11:37 13371 Mar 03 13:26 13371 Mar 06 08:56 13371 Mar 10 06:07 13371 Mar 12 15:36 13371 Mar 19 03:15 13371 Mar 27 06:57 13371 Apr 04 13:35 13371 Apr 04 13:35 13371 Apr 08 08:38 13371 Apr 14 01:10 13371 Apr 16 21:47 13371 Apr 23 00:39 13371 May 02 12:58 13371 May 02 12:58 13371 May 23 08:58 13371 May 23 08:58 13371 May 31 07:27	15°\delta33'30 20°\delta16'34 0°\delta 1°\delta15'53 17°\delta30'57 0°\delta 22°\delta25'09 29°\delta51'25 27°\delta25'43 24°\delta11'11 21°\delta24'46 21°\delta20'09 18°\delta38'59 16°\delta08'51 15°\delta40'55 19°\delta00'21 0°\delta 13°\delta56'15 20°\delta25'44 0°\delta 5°\delta09'25'44 0°\delta 5°\delta09'25'44 0°\delta 5°\delta09'25'45 0°\delta 14°\delta34'37 29°\delta24'55 0°\delta 0°\delta 9°\delta35'27	1°38'23 1.32453 AU 27°32'18 0.63475 AU -0°56'28 0°55'27 17°46'57 -1°04'49 1°04'25 1.44747 AU	superior conj minimum elong  max. Earth dist. evening rise  desc. node  evening max el retrograde evening set min. Earth dist. inferior conj minimum elong  asc. node morning rise direct  morning max el morning set  desc. node  superior conj minimum elong  max. Earth dist.	13371 Dec 09 18:06 13371 Dec 09 17:35 13371 Dec 09 15:41 13371 Dec 10 17:40 13371 Dec 16 18:08 13371 Dec 24 02:40 13371 Dec 28 03:24 13372 Jan 12 21:36 13372 Jan 17 16:14 13372 Feb 07 12:08 13372 Feb 11 06:36 13372 Feb 14 08:28 13372 Feb 20 15:17 13372 Feb 21 106:23 13372 Feb 21 17:15 13372 Feb 21 06:23 13372 Feb 23 20:48 13372 Feb 23 20:48 13372 Feb 27 00:22 13372 Mar 01 19:53 13372 Mar 17 11:37 13372 Mar 19 01:25 13372 Mar 28 08:49 13372 Mar 28 08:49 13372 Mar 28 06:33 13372 Apr 04 15:40 13372 Apr 05 12:09 13372 Apr 05 12:09	0°る13'24 0°る10'35 0°る 2°る24'15 15°る26'34 0°≈ 7°≈12'11 0°升 5°升02'55 12°升21'37 10°升10'27 7°升19'15 4°升33'58 4°升23'20 30°R≈ 29°≈44'53 29°≈35'54 29°≈16'12 0°升 2°升46'50 27°升09'41 0°个 10°个57'27 16°个25'21 16°个15'38 28°个36'40 0°岁	1°38'37 1.31584 AU 27°24'59 0.61389 AU -2°14'23 2°11'58 17°51'21 -0°24'38 0°24'27
minimum elong max. Earth dist.  evening rise desc. node  evening max el retrograde evening set min. Earth dist. inferior conj minimum elong asc. node  morning rise direct morning max el  morning set desc. node  superior conj minimum elong max. Earth dist. evening rise  evening max el asc. node	13370 Dec 25 08:08 13370 Dec 27 12:13 13371 Jan 01 02:57 13371 Jan 01 17:49 13371 Jan 10 06:32 13371 Jan 17 18:31 13371 Feb 04 07:31 13371 Feb 24 23:11 13371 Feb 28 17:50 13371 Mar 03 11:37 13371 Mar 03 13:26 13371 Mar 06 08:56 13371 Mar 10 06:07 13371 Mar 12 15:36 13371 Mar 19 03:15 13371 Mar 27 06:57 13371 Apr 04 13:35 13371 Apr 04 13:35 13371 Apr 08 08:38 13371 Apr 14 01:10 13371 Apr 17 04:20 13371 Apr 16 21:47 13371 Apr 23 00:39 13371 May 02 12:58 13371 May 02 12:58 13371 May 03 08:58 13371 May 31 07:27 13371 May 31 07:27 13371 May 31 07:27	15°る33'30 20°る16'34 0°≈ 1°≈15'53 17°≈30'57 0° ¥ 22° ¥25'09 29° ¥51'25 27° ¥25'43 24° ¥11'11 21° ¥24'46 21° ¥20'09 18° ¥38'59 16° ¥08'51 15° ¥40'55 19° ¥00'21 0° Ŷ 13° Ŷ56'15 20° Ŷ25'44 0° ℧ 5° ℧09'26 4° ℧42'39 14° ℧34'37 29° ℧24'55 0° Ⅱ 0° ☞ 9° \$35'27 11° \$23'19	1°38'23 1.32453 AU 27°32'18 0.63475 AU -0°56'28 0°55'27 17°46'57 -1°04'49 1°04'25 1.44747 AU	superior conj minimum elong  max. Earth dist. evening rise  desc. node  evening max el retrograde evening set min. Earth dist. inferior conj minimum elong  asc. node morning rise direct  morning max el morning set  desc. node  superior conj minimum elong  max. Earth dist.	13371 Dec 09 18:06 13371 Dec 09 17:35 13371 Dec 09 15:41 13371 Dec 10 17:40 13371 Dec 16 18:08 13371 Dec 24 02:40 13371 Dec 28 03:24 13372 Jan 12 21:36 13372 Jan 17 16:14 13372 Feb 07 12:08 13372 Feb 14 08:28 13372 Feb 14 08:28 13372 Feb 20 15:17 13372 Feb 21 06:23 13372 Feb 21 06:23 13372 Feb 21 07:15 13372 Feb 23 20:48 13372 Feb 23 20:48 13372 Feb 27 00:22 13372 Mar 01 19:53 13372 Mar 17 11:37 13372 Mar 19 01:25 13372 Mar 28 08:49 13372 Mar 28 08:49 13372 Mar 28 06:33 13372 Mar 28 06:33 13372 Apr 04 15:40 13372 Apr 04 15:40 13372 Apr 05 12:09	0°る13'24 0°る10'35 0°る 2°る24'15 15°る26'34 0°≈ 7°≈12'11 0°¥ 5°¥02'55 12°¥21'37 10°¥10'27 7°¥19'15 4°¥33'58 4°¥23'20 30°R≈ 29°≈44'53 29°≈35'54 29°≈16'12 0°¥ 2°¥46'50 27°¥09'41 0°Y 10°Y57'27 16°Y25'21 16°Y15'38 28°Y36'40 0°と 9°814'13	1°38'37 1.31584 AU 27°24'59 0.61389 AU -2°14'23 2°11'58 17°51'21 -0°24'38 0°24'27 1.43233 AU

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asc. node	13372 May 19 03:09	28° <b>Ⅱ</b> 00'42		retrograde	13373 May 06 04:37	13° <b>Ⅱ</b> 21'58	
retrograde	13372 May 22 08:39	28° <b>Ⅱ</b> 48'36		asc. node	13373 May 06 00:24	13° <b>Ⅲ</b> 21'50	
evening set	13372 May 26 22:16	26° <b>Ⅱ</b> 56′01		evening set	13373 May 11 05:39	11° <b>Ⅱ</b> 14'36	
inferior conj	13372 Jun 01 04:34	20° <b>Ⅱ</b> 38'51	3°03'36	min. Earth dist.	13373 May 16 03:35	5° <b>Ⅱ</b> 25'47	0.68870 AU
minimum elong	13372 Jun 01 03:24	20° <b>Ⅱ</b> 42'56	3°02'29	inferior conj	13373 May 16 14:09	4° <b>Ⅱ</b> 49'17	2°44'37
min. Earth dist.	13372 Jun 01 06:51	20° <b>Ⅲ</b> 30′55	0.68849 AU	minimum elong	13373 May 16 12:18	4° <b>Ⅱ</b> 55'38	2°43'23
morning rise	13372 Jun 06 08:20	14° <b>Ⅱ</b> 24'17			13373 May 20 09:32	30° <b>₹</b> 8	
direct	13372 Jun 11 06:18	12° <b>Ⅱ</b> 17'41		morning rise	13373 May 21 18:53	28° <b>8</b> 41'49	
morning max el	13372 Jun 20 23:50	18° <b>Ⅱ</b> 01'52	22°28'48	direct	13373 May 26 04:01	26° <b>8</b> 55'34	
desc. node	13372 Jun 21 06:15	18° <b>Ⅱ</b> 18'06			13373 Jun 01 16:55	0°П	
	13372 Jun 30 22:45	0°9		morning max el	13373 Jun 03 16:05	1° <b>Ⅱ</b> 48'46	21°05'19
	13372 Jul 21 06:32	0°N		desc. node	13373 Jun 08 03:17	6° <b>Ⅱ</b> 48'38	
morning set	13372 Jul 24 14:33	5° <b>Ω</b> 21'42			13373 Jun 24 18:16	0°9	
max. Earth dist.	13372 Jul 29 13:02	13° <b>Ω</b> 32'39	1.40826 AU	morning set	13373 Jul 04 08:40	14°9540'50	
max. Lattii dist.	15572 341 27 15.02	15 065257	1.40020710	max. Earth dist.	13373 Jul 11 18:41	26°930'39	1.42934 AU
superior conj	13372 Aug 06 09:11	27° <b>Ω</b> 11'30	1013153	max. Lartii dist.	13373 Jul 13 21:49	0°Ω	1.42/34 AO
minimum elong	13372 Aug 06 09:11 13372 Aug 06 14:42	27° <b>Ω</b> 36'16			155/5 Jul 15 21.49	0 86	
minimum ciong	•	0°m	1 13 44		12272 Il 10 21.46	8° <b>Ω</b> 21'40	1945122
1	13372 Aug 07 22:32	•		superior conj	13373 Jul 18 21:46		
asc. node	13372 Aug 15 03:13	13° <b>m</b> 20'10		minimum elong	13373 Jul 19 04:57	8° <b>Ω</b> 52'11	1°45'40
evening rise	13372 Aug 16 12:46	15° <b>m</b> 57'57		evening rise	13373 Jul 30 13:57	28° <b>Ω</b> 49'22	
	13372 Aug 24 05:26	0∘ <b>⊽</b>			13373 Jul 31 05:44	0° <b>m</b> )	
evening max el	13372 Sep 01 11:40	11° <b>≙</b> 33'42	18°20'51	asc. node	13373 Aug 01 23:53	3°M)08'20	
retrograde	13372 Sep 08 23:34	15° <b>≏</b> 21'26		evening max el	13373 Aug 15 23:25	24° Mp 30'34	18°04'06
evening set	13372 Sep 11 01:37	15° <b>≏</b> 04'31		retrograde	13373 Aug 22 16:44	27° <b>m</b> 57'36	
desc. node	13372 Sep 17 03:09	11° <b>≏</b> 39'14		evening set	13373 Aug 25 02:20	27° <b>m</b> 31'15	
inferior conj	13372 Sep 18 15:09	10° <b>≙</b> 26'57	-0°28'15	inferior conj	13373 Aug 31 22:11	22° <b>m</b> 33'19	0°55'53
minimum elong	13372 Sep 18 14:06	10° <b>≙</b> 29'06	0°27'45	minimum elong	13373 Aug 31 23:49	22° <b>m</b> 29'25	0°55'04
min. Earth dist.	13372 Sep 21 22:17	7° <b>≙</b> 45'56	0.58404 AU	min. Earth dist.	13373 Sep 04 02:17	19° <b>m</b> 33'42	0.60661 AU
morning rise	13372 Sep 25 23:07	5° <b>≏</b> 03'14		desc. node	13373 Sep 04 00:40	19° <b>m</b> 37'23	
direct	13372 Oct 02 05:11	3° <b>ഫ</b> 20'28		morning rise	13373 Sep 07 18:22	16° <b>m</b> 40'14	
morning max el	13372 Oct 16 12:46	10° <b>≏</b> 59'29	27°19'03	direct	13373 Sep 14 08:36	14° <b>m</b> 31'33	
	13372 Oct 31 07:06	0° <b>M</b> .		morning max el	13373 Sep 28 15:09	22° Mp 26'17	27°55'08
asc. node	13372 Nov 11 05:05	19° <b>M</b> .16'17			13373 Oct 05 07:45	0∘ <b>亚</b>	
morning set	13372 Nov 16 07:43	29°M44'00			13373 Oct 24 10:43	0° <b>M</b> .	
-	13372 Nov 16 10:43	0° <b>⊼</b> ¹		asc. node	13373 Oct 29 01:50	8° <b>M</b> 59'10	
				morning set	13373 Oct 31 11:37	13° <b>M</b> 55'17	
superior conj	13372 Nov 23 05:45	14° <b>₹</b> 55'50	1°31'57	max. Earth dist.	13373 Nov 06 09:44	26° <b>M</b> 41′09	1.31375 AU
minimum elong	13372 Nov 23 04:18	14° <b>∡</b> 747'47					
max. Earth dist.	13372 Nov 23 02:06		1.31221 AU	superior conj	13373 Nov 07 16:40	29°M32'37	1°20'33
evening rise	13372 Nov 30 00:02	29° <b>х</b> 49'42	1.51221110	minimum elong	13373 Nov 07 14:36	29°M21'06	
evening rise	13372 Nov 30 01:58	0°ਰ 12°0		minimum ciong	13373 Nov 07 21:36	0° <b>₹</b>	1 21 07
desc. node	13372 Dec 14 00:22	26° <b>පි</b> 21'43		evening rise	13373 Nov 14 09:28	14° <b>×</b> <sup>7</sup> 20'04	
desc. node	13372 Dec 14 00:22	0°≈		evening rise	13373 Nov 14 05:28 13373 Nov 22 02:37	0°る	
evening max el	13372 Dec 10 07:38 13372 Dec 29 18:41	0 ∞ 16°≈52'44	26°43'04	desc. node	13373 Nov 22 02:37 13373 Nov 30 21:26	14°る47'37	
retrograde	13372 Dec 29 18:41 13373 Jan 12 17:37	24°≈01'24	20 43 04	evening max el	13373 Nov 30 21:20 13373 Dec 11 12:38	14 84/3/ 27° <b>る</b> 49'08	25°28'38
•	13373 Jan 12 17:37 13373 Jan 19 08:23	24 ≈01 24 22°≈12'30		evening max er	13373 Dec 11 12:38 13373 Dec 14 00:12	27 <b>⊙</b> 49 08	23 28 38
evening set			0.59215 AU				
min. Earth dist.	13373 Jan 23 08:37	19°≈34'51		retrograde	13373 Dec 25 09:21	4°≈47'52	
inferior conj	13373 Jan 26 12:50	17°≈06'30		evening set	13373 Dec 31 07:44	3°≈27'21	0.57172 ATT
minimum elong	13373 Jan 26 20:32	16°≈51'27	3*34'08	min. Earth dist.	13374 Jan 05 00:53	0°≈48'15	0.57172 AU
morning rise	13373 Feb 03 11:41	12°≈29′20			13374 Jan 06 05:48	30°Rる	1055100
direct	13373 Feb 05 12:43	12° <b>≈</b> 14'14		inferior conj	13374 Jan 07 21:24	28° <b>る</b> 52'36	
asc. node	13373 Feb 07 03:47	12° <b>≈</b> 24'14		minimum elong	13374 Jan 08 06:04	28° <b>る</b> 37'56	4°52'00
morning max el	13373 Feb 13 07:50	16° <b>≈</b> 05'59	18°15'09	morning rise	13374 Jan 16 06:58	24° <b>る</b> 37'53	
	13373 Feb 23 00:37	0° <b>∀</b>		direct	13374 Jan 18 10:53	24° <b>る</b> 23'51	
morning set	13373 Mar 01 00:31	11° <b>∺</b> 03'47		asc. node	13374 Jan 25 01:09	26° <b>ප්</b> 44'08	
				morning max el	13374 Jan 27 11:09	28° <b>る</b> 46'32	19°00'08
superior conj	13373 Mar 10 12:10	28° <b>) √</b> 44'38	0°12'30		13374 Jan 28 15:36	0° <b>≈</b>	
minimum elong	13373 Mar 10 13:07	28° <b>)</b> 48′53	0°12'27	morning set	13374 Feb 12 23:31	25° <b>≈</b> 23'58	
behind sun begin	13373 Mar 10 08:25	28° <b>)</b> € 27'37			13374 Feb 15 07:25	0° <b>∀</b>	
behind sun end	13373 Mar 10 17:48	29° <b>∺</b> 10′06					
	13373 Mar 11 04:52	$0^{\circ}$ Y		superior conj	13374 Feb 21 09:59	11° <b>)</b> 54′26	0°43'31
desc. node	13373 Mar 12 01:42	1° <b>Y</b> 33'24		minimum elong	13374 Feb 21 12:29	12° <b>¥</b> 06′19	0°43'33
max. Earth dist.	13373 Mar 18 02:33	12° <b>Y</b> 03'59	1.41251 AU	desc. node	13374 Feb 26 22:12	22° <b>)</b> €09'37	
evening rise	13373 Mar 22 19:38	19° <b>Ƴ</b> 53'56		max. Earth dist.	13374 Feb 28 09:31	24° <b>)</b> 48′12	1.39020 AU
Č	13373 Mar 29 04:14	0°8			13374 Mar 03 08:33	0° <b>Υ</b>	
	13373 Apr 19 09:32	0°II		evening rise	13374 Mar 04 05:11	1° <b>Y</b> ′28'45	
evening max el	13373 Apr 25 19:25	7° <b>Ⅱ</b> 14'59	23°08'12	<i>5</i> - 7	13374 Mar 22 10:40	0°8	
					22 10.10		

evening max el	13374 Apr 08 09:08	21° <b>8</b> 06'43	24°28'34	evening max el	13375 Mar 21 22:33	4° <b>8</b> 58'32	25°42'33
retrograde	13374 Apr 19 21:10	27° <b>8</b> 50'45	2.200.	retrograde	13375 Apr 03 09:21	12° <b>8</b> 08'43	20 .200
asc. node	13374 Apr 22 21:44	27° <b>8</b> 10'16		evening set	13375 Apr 09 09:20	9° <b>8</b> 40'24	
evening set	13374 Apr 25 09:52	25° <b>8</b> 31'03		asc. node	13375 Apr 09 19:06	9° <b>8</b> 19'13	
min. Earth dist.	13374 Apr 29 23:16	20° <b>8</b> 18'23	0.68430 AU	min. Earth dist.	13375 Apr 13 15:48	5° <b>8</b> 03'06	0.67548 AU
inferior conj	13374 Apr 30 22:21	19° <b>8</b> 00'59	2°15'31	inferior conj	13375 Apr 15 03:17	3° <b>8</b> 10'12	1°36'04
minimum elong	13374 Apr 30 20:12	19° <b>8</b> 08'12	2°14'14	minimum elong	13375 Apr 15 01:19	3° <b>8</b> 16'30	1°34'55
morning rise	13374 May 06 06:42	13° <b>8</b> 01'38		-	13375 Apr 17 18:08	30° <b>₹</b> Υ	
direct	13374 May 10 03:25	11° <b>8</b> 36'20		morning rise	13375 Apr 20 17:52	27° <b>Y</b> ′20′15	
morning max el	13374 May 17 15:21	15° <b>8</b> 47'12	19°53'24	direct	13375 Apr 24 03:07	26° <b>Y</b> 14'37	
desc. node	13374 May 26 00:10	25° <b>8</b> 59'45		morning max el	13375 Apr 30 22:07	29° <b>Y</b> 55'19	18°56'24
	13374 May 28 20:32	$\Pi^{\circ}0$			13375 May 01 00:01	$0^{\circ}$ 8	
morning set	13374 Jun 13 10:56	23° <b>Ⅲ</b> 21'30		desc. node	13375 May 12 20:58	15° <b>8</b> 40'43	
	13374 Jun 17 18:04	$0$ $\circ$ $\odot$		greatest brilliancy	13375 May 14 08:26	17° <b>8</b> 54'19	-0.8m
max. Earth dist.	13374 Jun 24 06:31	10°9514'05	1.44569 AU		13375 May 22 05:21	$\Pi$ $^{\circ}0$	
				morning set	13375 May 23 17:48	2° <b>Ⅱ</b> 21'13	
superior conj	13374 Jun 29 10:26	18° <b>©</b> 30'35	-2°07'37	max. Earth dist.	13375 Jun 06 23:15	24° <b>Ⅱ</b> 29'48	1.45567 AU
minimum elong	13374 Jun 29 15:34	18° <b>9</b> 51'24	2°08'22				
	13374 Jul 06 10:11	$0^{\circ}\Omega$		superior conj	13375 Jun 09 02:26	27° <b>Ⅱ</b> 50'30	
evening rise	13374 Jul 12 20:23	10° <b>Ω</b> 50′14		minimum elong	13375 Jun 09 00:43	27° <b>Ⅱ</b> 43'45	2°14'05
asc. node	13374 Jul 19 20:34	22° <b>Ω</b> 41′09			13375 Jun 10 11:22	0	
	13374 Jul 24 10:46	0° <b>m</b>		evening rise	13375 Jun 24 03:30	21° <b>©</b> 50'57	
evening max el	13374 Jul 30 13:37	7° <b>m</b> 50'49	18°06'25		13375 Jun 29 04:11	$0^{\circ}\Omega$	
retrograde	13374 Aug 05 22:50	11° <b>m</b> )11'17		asc. node	13375 Jul 06 17:21	11° <b>Ω</b> 52'58	
evening set	13374 Aug 08 16:41	10° <b>m</b> 32'24		evening max el	13375 Jul 14 03:07	21° <b>Ω</b> 26′36	18°26'49
inferior conj	13374 Aug 14 22:01	5° Mp 16'27	1°57'26	retrograde	13375 Jul 20 13:34	24° <b>Ω</b> 53'51	
minimum elong	13374 Aug 15 00:32	5° <b>m</b> 09'41	1°56'11	evening set	13375 Jul 23 16:02	24° <b>Ω</b> 00'04	
min. Earth dist.	13374 Aug 17 16:00	2° m/19'38	0.62910 AU	inferior conj	13375 Jul 29 10:36	18° <b>Ω</b> 28'05	2°38'32
	13374 Aug 20 02:34	30°R <b>Ω</b>		minimum elong	13375 Jul 29 12:49	18° <b>Ω</b> 21'29	2°37'18
morning rise	13374 Aug 21 06:18	29° <b>Ω</b> 04'27		min. Earth dist.	13375 Jul 31 15:02	15° <b>Ω</b> 52'30	0.64946 AU
desc. node	13374 Aug 21 22:10	28° <b>Ω</b> 36'21		morning rise	13375 Aug 04 08:22	12° <b>Ω</b> 06'40	
direct	13374 Aug 27 22:25	26° <b>Ω</b> 35'50		desc. node	13375 Aug 08 19:38	9° <b>Ω</b> 42'30	
	13374 Sep 05 14:58	0° Mp	27052124	direct	13375 Aug 10 20:51	9° <b>Ω</b> 27'26	2701 4157
morning max el	13374 Sep 10 23:04	4° m/37'51	27°52'24	morning max el	13375 Aug 24 09:36	17° <b>Ω</b> 24'14	2/°14'5/
. ,	13374 Sep 30 01:05	0° <u>ი</u>			13375 Sep 03 22:07	0° <b>m</b>	
morning set	13374 Oct 15 08:51	27° <b>Ω</b> 45'18 28° <b>Ω</b> 54'39		mamina sat	13375 Sep 22 22:16	0° <b>ჲ</b> 11° <b>ჲ</b> 06'35	
asc. node	13374 Oct 15 22:30 13374 Oct 16 11:17	28 <b>=</b> 34 39 0° <b>M</b>		morning set	13375 Sep 28 20:40 13375 Oct 02 19:05	11 <b>2</b> 00 33	
max. Earth dist.	13374 Oct 16 11.17 13374 Oct 20 12:34		1.32054 AU	asc. node max. Earth dist.	13375 Oct 02 19.03 13375 Oct 03 06:59		1.33276 AU
max. Earth dist.	13374 Oct 20 12.34	0 1163113	1.32034 AO	max. Earm dist.	13373 OCT 03 00.39	19 = 36 13	1.33270 AU
superior conj	13374 Oct 23 00:59	13°M58'35	1°03'28	superior conj	13375 Oct 07 04:32	28° <b>≏</b> 07'13	0°40'51
minimum elong	13374 Oct 22 22:43	13°M46'11	1°03'45	minimum elong	13375 Oct 07 02:39	27° <b>≏</b> 57'14	0°40'54
evening rise	13374 Oct 29 20:30	28°M52'47		· ·	13375 Oct 08 01:42	$0^{\circ}$ M	
	13374 Oct 30 09:01	0° <b>∡</b> ¹		evening rise	13375 Oct 14 07:15	13°M22'13	
	13374 Nov 16 02:04	ರ°0			13375 Oct 22 15:26	0° <b>∡</b> ¹	
desc. node	13374 Nov 17 18:35	2°る13'40		evening max el	13375 Nov 04 10:53	18° <b>∡</b> ¹04'57	22°10'32
evening max el	13374 Nov 22 23:37	8° <b>る</b> 03'23	23°52'12	desc. node	13375 Nov 04 15:52	18° <b>∡</b> 17′01	
retrograde	13374 Dec 06 12:45	14° <b>る</b> 48'18		retrograde	13375 Nov 17 04:00	24° <b>₹</b> °23′08	
evening set	13374 Dec 11 07:24	13° <b>る</b> 58'31		evening set	13375 Nov 20 12:54	23° <b>∡</b> 58′01	
min. Earth dist.	13374 Dec 17 10:32		0.55544 AU	min. Earth dist.	13375 Nov 28 17:04	20° <b>∡</b> 19'57	0.54628 AU
inferior conj	13374 Dec 19 09:25	9° <b>ප</b> 48'50		inferior conj	13375 Nov 29 05:23	20° <b>х</b> °02′40	-5°50'43
minimum elong	13374 Dec 19 14:01	9° <b>ප</b> 41'56	5°45'53	minimum elong	13375 Nov 29 01:16	20° <b>∡</b> °08′27	5°49'23
morning rise	13374 Dec 27 22:30	5° <b>る</b> 53'12		morning rise	13375 Dec 07 14:44	16° <b>∡</b> 15′27	
direct	13374 Dec 30 13:21	5° <b>る</b> 35'58		direct	13375 Dec 11 00:56	15° <b>∡</b> ′49'18	
morning max el	13375 Jan 10 01:59	10° <b>る</b> 38'22	20°07'52	morning max el	13375 Dec 23 02:16	21° <b>∡</b> ³35′15	21°37'55
asc. node	13375 Jan 11 22:25	12° <b>る</b> 34'02		asc. node	13375 Dec 29 19:37	29° <b>∡</b> ³36′02	
	13375 Jan 23 04:10	0° <b>≈</b>			13375 Dec 30 02:17	0°ಕ	
morning set	13375 Jan 28 05:13	10° <b>≈</b> 00′20		morning set	13376 Jan 12 14:55	24°る44'24	
	12275 F. 1. 04. 24. 12	25041151	1007120		13376 Jan 15 02:43	0° <b>≈</b>	
superior conj	13375 Feb 04 21:43	25°≈41'54	1°07'29		12276 1 12 12 5	00: -550	100 400
minimum elong	13375 Feb 05 00:27	25°≈55'39	1°07'47	superior conj	13376 Jan 19 19:24	9°≈55'06	1°24'20
an at the	13375 Feb 07 01:42	0° <b>)</b> {	1.26700 433	minimum elong	13376 Jan 19 21:35	10°≈06'31	1°24'59
max. Earth dist.	13375 Feb 10 16:05	6°¥56'27	1.36798 AU	max. Earth dist.	13376 Jan 24 03:30	18°≈48'34	1.34805 AU
desc. node	13375 Feb 13 18:45	12° <b>)</b> 42'43		evening rise	13376 Jan 28 08:00	26° <b>≈</b> 59'19	
evening rise	13375 Feb 14 10:27	13° <b>¥</b> 53'53 0° <b>Ƴ</b>		dogo 1-	13376 Jan 29 22:26	0° <b>\</b> 3° <b>\</b> 08'05	
	13375 Feb 23 20:49 13375 Mar 17 07:01	0°8		desc. node	13376 Jan 31 15:21 13376 Feb 17 05:15	3°π0805 0°Υ	
	ווווווו נוכנו 1/ 1/.01 נוכנו	v O			133701760 17 03.13	v i	

evening max el	13376 Mar 03 12:21	18° <b>Ƴ</b> 44'08	26°42'52	max. Earth dist.	13377 Jan 05 22:40	0°≈42'47	1.33186 AU
retrograde	13376 Mar 16 16:00	26° <b>Y</b> °07'54	20 .202	evening rise	13377 Jan 10 18:20	10°≈36'00	1.55100110
evening set	13376 Mar 23 02:11	23° <b>Y</b> °35'47		desc. node	13377 Jan 17 12:02	23° <b>≈</b> 21'09	
asc. node	13376 Mar 26 16:34	20° <b>Y</b> '02'44			13377 Jan 21 07:31	0° <b>∀</b>	
min. Earth dist.	13376 Mar 27 03:03	19° <b>Y</b> ′32'39	0.66249 AU		13377 Feb 11 20:46	$0^{\circ}$ $\Upsilon$	
inferior conj	13376 Mar 29 02:47	17° <b>Y</b> °11'30	0°45'43	evening max el	13377 Feb 14 01:42	2° <b>Y</b> 13'19	27°22'01
minimum elong	13376 Mar 29 01:38	17° <b>Ƴ</b> 14'57	0°45'04	retrograde	13377 Feb 27 16:12	9° <b>Y</b> '40'09	
morning rise	13376 Apr 04 02:14	11° <b>Y</b> ′32'43		evening set	13377 Mar 06 10:19	7° <b>Y</b> 10'10	
direct	13376 Apr 07 01:12	10° <b>Ƴ</b> 44'15		min. Earth dist.	13377 Mar 10 06:48	3° <b>Y</b> 39'05	0.64582 AU
morning max el	13376 Apr 13 11:03	14° <b>Y</b> 07'25	18°15'57	inferior conj	13377 Mar 12 18:22	0° <b>Y</b> 58'48	-0°15'55
	13376 Apr 25 02:50	$0^{\circ}$ 8		minimum elong	13377 Mar 12 18:50	0° <b>Y</b> 57'31	0°15'38
desc. node	13376 Apr 28 17:39	5° <b>8</b> 43'08		transit middle	13377 Mar 12 18:50	0° <b>Y</b> 57'31	0°15'38
morning set	13376 May 03 00:00	12° <b>8</b> 31'52		transit begin	13377 Mar 12 18:11	0° <b>Y</b> 59'15	
	13376 May 14 00:12	$\Pi$ $^{\circ}0$		transit end	13377 Mar 12 19:28	0° <b>Ƴ</b> 55'47	
				asc. node	13377 Mar 13 14:03	0° <b>Y</b> 06′05	
superior conj	13376 May 18 10:13	6° <b>Ⅱ</b> 55'36			13377 Mar 13 16:22	30° <b>₹</b>	
minimum elong	13376 May 18 02:01		1°58'42	morning rise	13377 Mar 19 05:15	25° <b>)</b> 33′39	
max. Earth dist.	13376 May 19 19:01	9° <b>Ⅱ</b> 03'47	1.45832 AU	direct	13377 Mar 21 19:18	24° <b>¥</b> 59'07	
	13376 Jun 02 05:24	0ං <b>ව</b>		morning max el	13377 Mar 28 03:51	28° <b>¥</b> 16′29	17°52'31
evening rise	13376 Jun 03 10:32	1° <b>9</b> 53'35			13377 Mar 29 18:42	0° <b>Υ</b>	
greatest brilliancy	13376 Jun 14 06:30	18° <b>©</b> 40'56	-0.8m	morning set	13377 Apr 14 10:36	24° <b>Y</b> ′05′19	
_	13376 Jun 22 02:58	$0$ ° $\Omega$		desc. node	13377 Apr 15 14:16	26° <b>Y</b> ′00'43	
asc. node	13376 Jun 22 14:14	0° <b>Ω</b> 36'39			13377 Apr 17 23:49	0°8	
evening max el	13376 Jun 26 13:19	5° <b>Ω</b> 11'33	19°04'26		12255 1 20 02 11	1 (0) 10 0150	1005101
retrograde	13376 Jul 03 09:33	8° <b>Ω</b> 58'34		superior conj	13377 Apr 28 03:11	16° <b>8</b> 30'59	
evening set	13376 Jul 06 21:03	7° <b>Ω</b> 48'25	2002126	minimum elong	13377 Apr 27 18:38	15° <b>8</b> 56'49	
inferior conj	13376 Jul 12 08:25	2° <b>Ω</b> 01'49	3°02'26	max. Earth dist.	13377 May 02 15:07	23° <b>8</b> 38'59	1.45348 AU
minimum elong	13376 Jul 12 09:46	1° <b>Ω</b> 57'28	3°01'20		13377 May 06 16:29	0° <b>Ц</b> 11° <b>Ц</b> 20'18	
min Earth dist	13376 Jul 13 22:25 13376 Jul 13 22:12	30°RS 0°Ω00'42	0.66623 AU	evening rise	13377 May 14 00:45	11° <u>ш</u> 2018	
min. Earth dist.	13376 Jul 17 21:51	25° <b>©</b> 37'47	0.00023 AU	greatest brilliancy	13377 May 26 09:23 13377 May 28 21:15	3° <b>©</b> 39'10	-0.6m
morning rise direct	13376 Jul 24 02:20	23 <b>3</b> 3747 22° <b>5</b> 58'04		asc. node	13377 Way 28 21:13 13377 Jun 09 11:16	18° <b>©</b> 41'48	-0.0111
desc. node	13376 Jul 25 17:02	23°507'37		evening max el	13377 Jun 09 18:17	18°959'35	19°58'00
desc. node	13376 Aug 05 06:43	0°Ω		retrograde	13377 Jun 17 08:05	23°518'18	17 38 00
morning max el	13376 Aug 05 20:34	0° <b>Ω</b> 34'38	26°10'44	evening set	13377 Jun 21 05:10	21°951'16	
morning max er	13376 Aug 27 21:26	0°m)	20 10 44	inferior conj	13377 Jun 26 12:28	15°951'20	3°12'11
morning set	13376 Sep 10 19:49	23° m/51'39		minimum elong	13377 Jun 26 12:48	15°950'15	3°11'09
	13376 Sep 14 01:38	0∘ <b>⊽</b>		min. Earth dist.	13377 Jun 27 11:53	14° <b>©</b> 32'17	0.67858 AU
max. Earth dist.	13376 Sep 14 15:26		1.35015 AU	morning rise	13377 Jul 01 20:05	9°\$29'00	
asc. node	13376 Sep 18 15:39	9° <b>ჲ</b> 03'46		direct	13377 Jul 07 13:40	6°957'32	
	1			desc. node	13377 Jul 12 14:22	8°\$30'36	
superior conj	13376 Sep 20 00:51	11° <b>≏</b> 52'36	0°13'03	morning max el	13377 Jul 19 06:59	13° <b>©</b> 59'00	24°49'09
minimum elong	13376 Sep 20 00:07	11° <b>≙</b> 48'51	0°13'01		13377 Aug 01 07:45	$0^{\circ}\Omega$	
behind sun begin	13376 Sep 19 20:33	11° <b>ჲ</b> 30'39			13377 Aug 20 17:22	0° <b>m</b> )	
behind sun end	13376 Sep 20 03:41	12° <b>≏</b> 07'05		morning set	13377 Aug 24 02:10	5° m 50'13	
evening rise	13376 Sep 27 15:50	27° <b>≏</b> 43'50		max. Earth dist.	13377 Aug 27 15:59	12° <b>m</b> 15'47	1.37158 AU
	13376 Sep 28 18:10	$0^{\circ}$ M					
evening max el	13376 Oct 16 07:44	28°M30'37	20°39'41	superior conj	13377 Sep 03 10:48	25°M)06'31	-0°19'07
	13376 Oct 17 22:25	0° <b>∡</b> ¹		minimum elong	13377 Sep 03 12:04	25° <b>Tp</b> 12'40	0°19'05
desc. node	13376 Oct 21 13:14	2° <b>∡</b> ³30′56		asc. node	13377 Sep 05 12:13	29° <b>m</b> 09'48	
retrograde	13376 Oct 27 14:29	4° <b>х</b> 06′59			13377 Sep 05 22:20	0∘ <b>⊽</b>	
evening set	13376 Oct 29 21:30	3° <b>∡</b> ′54′08		evening rise	13377 Sep 11 19:53	11° <b>≏</b> 51'13	
inferior conj	13376 Nov 07 21:04	29°M59'37			13377 Sep 21 12:21	0°M₊	
minimum elong	13376 Nov 07 11:11	0° <b>∡</b> 13'49	4°51'05	evening max el	13377 Sep 28 18:38	9° <b>™</b> 41'39	19°28'34
	13376 Nov 07 20:48	30°RM		retrograde	13377 Oct 08 09:36	14° <b>M</b> 30′22	
min. Earth dist.	13376 Nov 08 23:35	29°M21'29	0.54621 AU	desc. node	13377 Oct 08 10:41	14°M30'22	
morning rise	13376 Nov 16 00:45	26°M02'49		evening set	13377 Oct 10 06:27	14°M20'17	201.5120
direct	13376 Nov 20 09:16	25°M22'07		inferior conj	13377 Oct 18 23:03	10°M13'49	
	13376 Dec 01 13:49	0° <b>√</b> ¹	22022150	minimum elong	13377 Oct 18 14:45	10°M27'09	
morning max el	13376 Dec 03 15:08	1° <b>×</b> <sup>7</sup> 48'10	25°25'58	min. Earth dist.	13377 Oct 21 09:10	8°M40'34	0.55536 AU
asc. node	13376 Dec 15 16:43	17° <b>メ</b> 33'48 0°る		morning rise	13377 Oct 26 20:57	5°M47'59	
morning set	13376 Dec 22 12:11 13376 Dec 27 02:35	0°5 9° <b>る</b> 30'26		direct morning max el	13377 Nov 01 01:55 13377 Nov 15 01:03	4° <b>ጤ</b> 47'09 11° <b>ጤ</b> 47'19	25011124
morning set	155/0 DCC 2/ 02.33	9 03020		morning max er	13377 Nov 15 01:03 13377 Nov 28 23:13	0° <b>√</b>	43 11 4 <del>4</del>
superior conj	13377 Jan 02 23:58	24° <b>る</b> 25'22	1°34'27	asc. node	13377 Nov 28 23.13 13377 Dec 02 13:43	0 x. 6° <b>₹</b> 13'27	
minimum elong	13377 Jan 02 23:38 13377 Jan 03 01:11	24° <b>る</b> 31'55		morning set	13377 Dec 02 13:43 13377 Dec 11 14:21	24°×13'09	
mmmum ciong	13377 Jan 05 14:33	0° <b>≈</b>	1 33 22	morning set	13377 Dec 11 14.21 13377 Dec 14 06:09	24 <b>メ</b> ・13 09	
	155,, 5411 05 17.55	U 7 <b>U</b>			15577 200 17 00.09	ů O	

superior conj	13377 Dec 18 08:56	9° <b>る</b> 05'29	1°38'12	minimum elong	13378 Dec 02 19:13	23° <b>∡</b> ¹43'41	1°36'53
minimum elong	13377 Dec 18 09:03	9° <b>ප</b> 06'06	1°39'14	max. Earth dist.	13378 Dec 03 08:07	24° <b>х</b> 55'38	1.31357 AU
max. Earth dist.	13377 Dec 20 01:04	12° <b>ප්</b> 46'01	1.32020 AU		13378 Dec 05 14:57	ರ°0	
evening rise	13377 Dec 25 14:18	24° <b>る</b> 35'57		evening rise	13378 Dec 09 17:12	8° <b>ප</b> 52'13	
•	13377 Dec 28 06:23	0° <b>≈</b>		•	13378 Dec 20 15:08	0°≈	
desc. node	13378 Jan 04 08:49	13° <b>≈</b> 16′15		desc. node	13378 Dec 22 05:43	2° <b>≈</b> 45'15	
	13378 Jan 14 21:19	0° <b>)</b> €		evening max el	13379 Jan 09 18:48	27° <b>≈</b> 31′03	27°11'27
evening max el	13378 Jan 27 12:43	15° <b>)</b> 13′27	27°33'17		13379 Jan 12 14:58	0° <b>)</b>	
retrograde	13378 Feb 10 09:12	22° <b>∺</b> 36'37		retrograde	13379 Jan 23 17:56	4° <b>¥</b> 46'31	
evening set	13378 Feb 17 07:13	20° <b>¥</b> 15'55		evening set	13379 Jan 30 13:35	2° <b>)</b> 43′33	
min. Earth dist.	13378 Feb 21 01:14	17° <b>)</b> 12'36	0.62612 AU		13379 Feb 03 09:14	30° <b>R</b> ≈	
inferior conj	13378 Feb 23 23:03	14° <b>米</b> 24'51	-1°28'27	min. Earth dist.	13379 Feb 03 09:17	29° <b>≈</b> 59'52	0.60455 AU
minimum elong	13378 Feb 24 02:02	14° <b>) 17</b> ′39	1°26'50	inferior conj	13379 Feb 06 13:17	27° <b>≈</b> 19′26	-2°49'30
asc. node	13378 Feb 28 11:32	10° <b>米</b> 33′26		minimum elong	13379 Feb 06 19:21	27° <b>≈</b> 06'33	2°46'33
morning rise	13378 Mar 02 23:30	9° <b>∺</b> 16′18		morning rise	13379 Feb 14 04:16	22° <b>≈</b> 30′23	
direct	13378 Mar 05 06:16	8° <b>¥</b> 52'14		asc. node	13379 Feb 15 09:00	22° <b>≈</b> 16′18	
morning max el	13378 Mar 11 21:36	12° <b>)</b> 14'48	17°46'37	direct	13379 Feb 16 06:10	22° <b>≈</b> 13′09	
	13378 Mar 23 23:58	0° <b>Υ</b>		morning max el	13379 Feb 23 12:46	25°≈51'29	17°59'07
morning set	13378 Mar 27 21:34	6° <b>Y</b> ′48′25			13379 Feb 27 01:19	0° <b>∀</b>	
desc. node	13378 Apr 02 10:49	16° <b>Ƴ</b> 28'56		morning set	13379 Mar 11 02:34	20° <b>)</b> €21'05	
					13379 Mar 16 08:55	0°Υ 20°	
superior conj	13378 Apr 08 17:47	27° <b>Y</b> ′09'04		desc. node	13379 Mar 20 07:19	7° <b>Ƴ</b> 03'01	
minimum elong	13378 Apr 08 13:05	26° <b>Y</b> 49′26	0°47'23		12270 14 21 00 20	000053140	0000110
F 4 F 4	13378 Apr 10 11:02	0°8	1 44172 ATT	superior conj	13379 Mar 21 08:29	8° <b>Y</b> 53'48 8° <b>Y</b> 50'42	
max. Earth dist.	13378 Apr 15 08:48	7° <b>8</b> 58'50	1.44172 AU	minimum elong	13379 Mar 21 07:46		0°08'15
evening rise	13378 Apr 23 13:12	20° <b>8</b> 51'03 0° <b>П</b>		behind sun begin behind sun end	13379 Mar 21 00:52	8° <b>Υ</b> 20'20 9° <b>Υ</b> 21'00	
	13378 Apr 29 13:17	0₀© 0∘Ш		max. Earth dist.	13379 Mar 21 14:41	21° <b>Υ</b> 46'18	1.42430 AU
evening max el	13378 May 21 03:08 13378 May 23 17:20	0 95 2°9548'18	21°05'02	max. Earth dist.	13379 Mar 28 21:44 13379 Apr 02 23:13	0° <b>8</b>	1.42430 AU
asc. node	13378 May 27 08:24	5°\$56'01	21 03 02	evening rise	13379 Apr 02 23:13 13379 Apr 03 14:18	1° <b>8</b> 00'01	
retrograde	13378 Jun 01 07:00	7° <b>©</b> 47'39		evening rise	13379 Apr 03 14:18 13379 Apr 23 01:02	0°II	
evening set	13378 Jun 05 14:22	6°904'04		evening max el	13379 May 06 11:15	16° <b>Ⅱ</b> 37'29	22°21'47
inferior conj	13378 Jun 10 20:20	29° <b>II</b> 52'23	3°09'52	asc. node	13379 May 14 05:38	22° <b>I</b> I03'20	22 21 47
minimum elong	13378 Jun 10 19:40	29° <b>II</b> 54'43	3°08'48	retrograde	13379 May 16 04:32	22° <b>I</b> I20'54	
minimum crong	13378 Jun 10 18:09	30°R <b>Ⅱ</b>	3 00 10	evening set	13379 May 20 22:51	20° <b>I</b> I21'51	
min. Earth dist.	13378 Jun 11 06:04	29° <b>I</b> I18'33	0.68624 AU	inferior conj	13379 May 26 05:50	14° <b>I</b> I00'36	2°56'48
morning rise	13378 Jun 16 00:45	23° <b>I</b> I34'22		minimum elong	13379 May 26 04:21	14° <b>Ⅱ</b> 05'48	2°55'38
direct	13378 Jun 21 05:56	21° <b>Ⅱ</b> 17'36		min. Earth dist.	13379 May 26 02:36	14° <b>Ⅱ</b> 11'54	0.68915 AU
desc. node	13378 Jun 29 11:34	25° <b>Ⅲ</b> 24'21		morning rise	13379 May 31 09:41	7° <b>Ⅱ</b> 48'42	
morning max el	13378 Jul 01 17:38	27° <b>Ⅲ</b> 32'11	23°19'53	direct	13379 Jun 05 02:04	5° <b>Ⅱ</b> 50'38	
	13378 Jul 04 01:13	0ಂತಾ		morning max el	13379 Jun 14 06:51	11° <b>Ⅱ</b> 13'07	21°52'04
	13378 Jul 25 22:44	$0^{\circ}\Omega$		desc. node	13379 Jun 16 08:39	13° <b>Ⅱ</b> 24'55	
morning set	13378 Aug 05 11:06	16° <b>Q</b> 51′29			13379 Jun 29 02:24	$0$ $\circ$ $\mathfrak{S}$	
max. Earth dist.	13378 Aug 09 13:57	23° <b>Ω</b> 52′24	1.39497 AU	morning set	13379 Jul 16 19:05	26°9346'55	
	13378 Aug 13 01:28	0° <b>m</b> )			13379 Jul 18 19:09	$0$ $^{\circ}\Omega$	
				max. Earth dist.	13379 Jul 22 15:07	6° <b>Ω</b> 16'39	1.41765 AU
superior conj	13378 Aug 17 06:35	7° Mp 40'10	-0°53'53				
minimum elong	13378 Aug 17 10:31	7° <b>m</b> 58'25	0°53'43	superior conj	13379 Jul 30 07:46	19° <b>£</b> 23′39	
asc. node	13378 Aug 23 08:48	19° <b>m</b> 12'04		minimum elong	13379 Jul 30 14:15	19° <b>Ω</b> 52'05	1°27'58
evening rise	13378 Aug 26 16:34	25° m 37'01			13379 Aug 05 06:13	0° <b>m</b> )	
	13378 Aug 28 23:18	0∘ <b>⊽</b>		evening rise	13379 Aug 10 02:08	8° <b>m</b> 51'37	
evening max el	13378 Sep 11 18:21	21° <b>Ω</b> 40'59	18°39'27	asc. node	13379 Aug 10 05:25	9° Mp 06'49	
retrograde	13378 Sep 19 22:16	25° <b>Ω</b> 47'36			13379 Aug 22 11:48	0° <b>™</b>	10011102
evening set	13378 Sep 21 20:38	25° <b>£</b> 34'34		evening max el	13379 Aug 26 02:59	4° <b>£</b> 20'34	18°11'23
desc. node	13378 Sep 25 08:12	24° <b>£</b> 12'12 21° <b>£</b> 09'11	1926100	retrograde	13379 Sep 02 05:43	7° <b>♀</b> 57'41 7° <b>♀</b> 37'18	
inferior conj minimum elong	13378 Sep 29 20:55 13378 Sep 29 17:24	21° <b>2</b> 15'46	1°24'28	evening set inferior conj	13379 Sep 04 10:46 13379 Sep 11 16:31	2° <b>£</b> 51'12	0°10'12
min. Earth dist.	13378 Oct 03 00:36	21 <b>□</b> 13 40 18° <b>□</b> 48'06	0.57208 AU	minimum elong	13379 Sep 11 16:51 13379 Sep 11 16:52	2° <b>⊆</b> 50′26	0°10'12
morning rise	13378 Oct 03 00:30	16° <b>⊆</b> 48'00	0.57208 AU	transit middle	13379 Sep 11 16:52	2° <b>⊆</b> 50′26	0°10'01
direct	13378 Oct 07 10.44 13378 Oct 13 08:59	10 <b>⊆</b> 03 33 14° <b>⊆</b> 38'43		transit begin	13379 Sep 11 10.32	2° <b>⊆</b> 56'18	0 1001
morning max el	13378 Oct 13 08:39 13378 Oct 27 15:40	22° <b>£</b> 06'29	26°41'19	transit end	13379 Sep 11 14.11 13379 Sep 11 19:32	2° <b>2</b> 44'34	
	13378 Nov 03 15:08	0°M	20 .1.17	desc. node	13379 Sep 11 15:32 13379 Sep 12 05:43	2° <b>£</b> 22'13	
asc. node	13378 Nov 19 10:35	25°M24'08		acce. node	13379 Sep 12 03:43	30°R.M)	
	13378 Nov 21 18:50	0° <b>√</b>		min. Earth dist.	13379 Sep 14 23:42	29° Mp 59'16	0.59346 AU
morning set	13378 Nov 26 00:28	8° <b>∡</b> 747'25		morning rise	13379 Sep 18 19:34	27° m) 13'40	
<i>3</i>				direct	13379 Sep 25 05:59	25° m/19'01	
superior conj	13378 Dec 02 20:09	23° <b>∡</b> ¹48'52	1°35'56		13379 Oct 06 02:10	0∘ <b>⊽</b>	
. J		<del>-</del>					

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morning max el	13379 Oct 09 13:45	ვ° <b>ჲ</b> 06'27	27°39'09		13380 Oct 03 01:33	0∘ <b>ত</b>	
C	13379 Oct 29 05:23	0° <b>M</b> ₊			13380 Oct 20 18:34	0° <b>M</b>	
asc. node	13379 Nov 06 07:22	14°M57'33		asc. node	13380 Oct 23 04:03	4°M46'21	
morning set	13379 Nov 10 07:11	23°M08'56		morning set	13380 Oct 24 08:29	7° <b>ጤ</b> 11'39	
	13379 Nov 13 11:35	0° <b>∡</b> ¹		max. Earth dist.	13380 Oct 29 22:26	19° <b>M</b> 05'06	1.31601 AU
max. Earth dist.	13379 Nov 16 16:29	7° <b>∡</b> ¹05′17	1.31216 AU				
				superior conj	13380 Oct 31 17:45	23°M03'15	1°13'59
superior conj	13379 Nov 17 07:43	8° <b>₰</b> ³30′16	1°27'49	minimum elong	13380 Oct 31 15:32	22°M50'59	1°14'26
minimum elong	13379 Nov 17 05:58	8° <b>∡</b> °20′29	1°28'34		13380 Nov 03 21:01	0° <b>∡</b> ¹	
evening rise	13379 Nov 24 00:50	23° <b>∡</b> 19'31		evening rise	13380 Nov 07 11:09	7° <b>∡</b> ′51'39	
	13379 Nov 27 05:02	0°ಕ			13380 Nov 18 18:43	0°ಕ	
desc. node	13379 Dec 09 02:42	21° <b>る</b> 38'17		desc. node	13380 Nov 24 23:48	9° <b>る</b> 40'58	
	13379 Dec 14 21:06	0° <b>≈</b>		evening max el	13380 Dec 03 08:25	19° <b>る</b> 34'58	24°49'26
evening max el	13379 Dec 22 17:44	8° <b>≈</b> 58'19	26°15'03	retrograde	13380 Dec 17 02:52	26° <b>る</b> 27'54	
retrograde	13380 Jan 05 16:36	16°≈03'25		evening set	13380 Dec 22 14:39	25° <b>る</b> 20'55	
evening set	13380 Jan 12 01:26	14°≈26′10	0.50205.444	min. Earth dist.	13380 Dec 27 20:18	22° <b>る</b> 35'23	0.56413 AU
min. Earth dist.	13380 Jan 16 07:10	11° <b>≈</b> 49'43	0.58307 AU	inferior conj	13380 Dec 30 09:10	20°る58'13	
inferior conj	13380 Jan 19 09:30	9°≈33'21		minimum elong	13380 Dec 30 16:51	20°る45'54	5°19'21
minimum elong	13380 Jan 19 18:02	9°≈17'40	4°08'38	morning rise	13381 Jan 07 21:11	16°る51'57 16°る37'03	
morning rise	13380 Jan 27 13:35	5°≈05'41		direct	13381 Jan 10 04:45		
direct asc. node	13380 Jan 29 14:48 13380 Feb 02 06:21	4°≈51'37		asc. node	13381 Jan 19 03:39 13381 Jan 19 19:49	20°る38'19 21°る16'05	10026105
	13380 Feb 02 06:21 13380 Feb 06 21:32	5°≈38'41 8°≈55'50	18°31'35	morning max el	13381 Jan 19 19:49 13381 Jan 26 15:35	21° <b>⊘</b> 1603	19°26'05
morning max el	13380 Feb 06 21.32 13380 Feb 20 12:17	0° <b>∺</b>	16 31 33	morning set	13381 Feb 05 22:25	0 ≈ 18°≈55'37	
morning set	13380 Feb 22 20:13	4° <b>¥</b> 27'32		morning set	13381 Feb	0° <b>\</b>	
morning set	133601 CO 22 20.13	7 N2132			155611 00 11 10.56	0 /	
superior conj	13380 Mar 02 20:13	21° <b>¥</b> 35'55	0°26'28	superior conj	13381 Feb 14 00:24	5° <b>)</b> 02'43	0°54'34
minimum elong	13380 Mar 02 22:00	21° <b>)</b> 44'12	0°26'26	minimum elong	13381 Feb 14 03:08	5° <b>¥</b> 16'01	0°54'41
desc. node	13380 Mar 06 03:50	27° <b>)</b> 39'28		max. Earth dist.	13381 Feb 20 12:36	17° <b>¥</b> 21'15	1.38062 AU
	13380 Mar 07 11:16	$0^{\circ}\Upsilon$		desc. node	13381 Feb 21 00:21	18° <b>)</b> 14'43	
max. Earth dist.	13380 Mar 10 06:09	4° <b>Υ</b> 53'13	1.40316 AU	evening rise	13381 Feb 24 05:54	24° <b>)</b> € 00'45	
evening rise	13380 Mar 14 11:38	12° <b>Y</b> ′03'34			13381 Feb 27 17:30	$0^{\circ}$ Y	
	13380 Mar 25 19:51	$9^{\circ}$ 8			13381 Mar 19 13:16	$9^{\circ}$ 8	
	13380 Apr 17 14:33	$\Pi$ $^{\circ}$ 0		evening max el	13381 Mar 31 15:41	14° <b>8</b> 22'08	25°01'22
evening max el	13380 Apr 18 02:03	0° <b>Ⅱ</b> 28'56	23°42'46	retrograde	13381 Apr 12 13:51	21° <b>8</b> 18'02	
retrograde	13380 Apr 28 23:11	6° <b>Ⅱ</b> 52'51		asc. node	13381 Apr 17 00:16	19° <b>8</b> 53'09	
asc. node	13380 Apr 30 02:55	6° <b>Ⅱ</b> 46'48		evening set	13381 Apr 18 07:27	18° <b>8</b> 54'20	
evening set	13380 May 04 05:04	4° <b>Ⅱ</b> 40'10		min. Earth dist.	13381 Apr 22 17:49		0.68106 AU
	13380 May 08 07:27	30°R₩		inferior conj	13381 Apr 23 22:08	12° <b>8</b> 23'52	
min. Earth dist.	13380 May 08 23:14		0.68738 AU	minimum elong	13381 Apr 23 19:59	12° <b>8</b> 30'55	1°58'51
inferior conj	13380 May 09 15:03	28° <b>8</b> 12'21	2°33'33	morning rise	13381 Apr 29 08:47	6° <b>8</b> 28'18	
minimum elong	13380 May 09 13:02	28° <b>8</b> 19'16	2°32'16	direct	13381 May 03 00:37	5° <b>8</b> 11'23	
morning rise	13380 May 14 20:59	22° <b>8</b> 07'56		morning max el	13381 May 10 04:12		19°27'16
direct	13380 May 19 00:46	20° <b>8</b> 30'28	20022156	desc. node	13381 May 20 02:28	21° <b>8</b> 39'35	0.7
morning max el	13380 May 27 01:44	25° <b>8</b> 04'26	20°32′36	greatest brilliancy	13381 May 22 20:11	25° <b>8</b> 38'31	-0.7m
desc. node	13380 May 31 11:03 13380 Jun 02 05:37	0° <b>П</b> 2° <b>П</b> 14'22		morning got	13381 May 25 18:30 13381 Jun 04 06:07	0°Ⅱ 14°Ⅱ26'09	
desc. node	13380 Jun 21 10:59	2 H1422		morning set	13381 Jun 14 06:54	0°95	
morning set	13380 Jun 25 04:32	5°9544'08		max. Earth dist.	13381 Jun 16 13:58	3°936'24	1.45082 AU
max. Earth dist.	13380 Jul 03 23:10	19° <b>©</b> 34'27	1.43702 AU	max. Earth dist.	15501 3411 10 15.50	3 3024	1.43002 710
max. Darm dist.	15500 341 05 25.10	1) 3721	1.43702710	superior conj	13381 Jun 20 13:26	9° <b>©</b> 54'43	-2°12'18
superior conj	13380 Jul 10 10:20	0° <b>Ω</b> 08'16	-1°56'30	minimum elong	13381 Jun 20 16:07	10°905'25	
minimum elong	13380 Jul 10 17:15	0° <b>Ω</b> 37'03		g	13381 Jul 02 21:39	0° <b>Ω</b>	2 13 10
	13380 Jul 10 08:20	0°N		evening rise	13381 Jul 04 16:58	2° <b>Ω</b> 59'56	
evening rise	13380 Jul 22 19:56	21° <b>Ω</b> 22'54		asc. node	13381 Jul 13 22:50	18° <b>Ω</b> 14'25	
asc. node	13380 Jul 27 02:05	28° <b>Ω</b> 49'10			13381 Jul 22 08:27	0° <b>m</b> )	
	13380 Jul 27 18:28	0° <b>m</b>		evening max el	13381 Jul 23 06:37	0° m 57'43	18°12'52
evening max el	13380 Aug 08 16:16	17° <b>m</b> 29'06	18°02'52	retrograde	13381 Jul 29 15:06	4° <b>m</b> ) 19'13	
retrograde	13380 Aug 15 04:45	20° m 51'15		evening set	13381 Aug 01 12:40	3° m/34'04	
evening set	13380 Aug 17 17:56	20° <b>m</b> 19'48			13381 Aug 05 21:12	30°R <b>Ω</b>	
inferior conj	13380 Aug 24 07:10	15° <b>m</b> 14'06	1°24'44	inferior conj	13381 Aug 07 12:57	28° <b>Ω</b> 10′50	2°17'10
minimum elong	13380 Aug 24 09:22	15° <b>m</b> 08'35	1°23'37	minimum elong	13381 Aug 07 15:25	28° <b>Ω</b> 03'49	
min. Earth dist.	13380 Aug 27 07:41	12° <b>m</b> )13'11	0.61638 AU	min. Earth dist.	13381 Aug 10 01:17	25° <b>Ω</b> 21′29	0.63819 AU
desc. node	13380 Aug 29 03:14	10° <b>m</b> 34'40		morning rise	13381 Aug 13 16:33	21° <b>Ω</b> 54'02	
morning rise	13380 Aug 30 22:14	9° <b>™</b> 12'02		desc. node	13381 Aug 16 00:44	20° <b>Ω</b> 23'41	
direct	13380 Sep 06 14:13	6° <b>™</b> 53'44		direct	13381 Aug 20 07:44	19° <b>Ω</b> 19'59	
morning max el	13380 Sep 20 18:32	14° <b>m</b> 52'21	27°58'30	morning max el	13381 Sep 03 03:54	27° <b>Ω</b> 20′27	27°40'17

	13381 Sep 05 16:17	0° <b>m</b> y		desc. node	13382 Aug 02 22:11	2° <b>Ω</b> 30′10	
	13381 Sep 26 18:34	0∘ <b>ত</b>		direct	13382 Aug 03 09:09	2° <b>Ω</b> 29'24	
morning set	13381 Oct 08 02:03	20° <b>≏</b> 50'16		morning max el	13382 Aug 16 15:07	10° <b>Ω</b> 19'36	26°50'26
asc. node	13381 Oct 10 00:41	24° <b>₽</b> 45'30			13382 Sep 01 04:25	0° <b>m</b> y	
	13381 Oct 12 13:22	0° <b>M</b> .			13382 Sep 19 06:31	0∘ <b>ত</b>	
max. Earth dist.	13381 Oct 12 22:15	0°M46'45	1.32519 AU	morning set	13382 Sep 21 09:01	3° <b>♀</b> 57'50	
			-10-017-110	max. Earth dist.	13382 Sep 25 12:48	12° <b>≏</b> 06'24	1.33961 AU
superior conj	13381 Oct 16 00:19	7°M22'36	0°54'32	asc. node	13382 Sep 26 21:17	14° <b>⊆</b> 50'32	1.55701710
				asc. Houe	13362 Sep 20 21.17	14 = 30 32	
minimum elong	13381 Oct 15 22:07	7°M10'46	0°54'42		12202 0 20 01 00	210 2 222	0020120
evening rise	13381 Oct 22 22:19	22° <b>M</b> 23'54		superior conj	13382 Sep 30 01:09	21° <b>≏</b> 22'26	0°29'39
	13381 Oct 26 13:19	0° <b>∡</b> ¹		minimum elong	13382 Sep 29 23:40	21° <b>≏</b> 14'38	0°29'39
desc. node	13381 Nov 11 21:01	26° <b>∡</b> ³34'49			13382 Oct 04 02:58	0° <b>M</b>	
evening max el	13381 Nov 14 18:19	29° <b>∡</b> ³38'55	23°08'21	evening rise	13382 Oct 07 08:28	6° <b>M</b> 51′12	
	13381 Nov 15 03:08	0°₹			13382 Oct 19 15:58	0° <b>∡</b> ¹	
retrograde	13381 Nov 28 00:17	6°る14'02		evening max el	13382 Oct 27 08:34	9° <b>х</b> 46'43	21°29'45
evening set	13381 Dec 02 04:57	5°₹35'48		desc. node	13382 Oct 29 18:21	11° <b>∡</b> 755'36	
min. Earth dist.	13381 Dec 09 03:47	2° <b>る</b> 22'09	0.55059 AU	retrograde	13382 Nov 08 12:41	15° <b>х</b> 49′26	
inferior conj	13381 Dec 10 13:16	1° <b>る</b> 33'56		evening set	13382 Nov 11 08:46	15°×731'00	
minimum elong	13381 Dec 10 13:10	1°る33'30		inferior conj	13382 Nov 20 05:44	11° <b>×</b> <sup>7</sup> 37'15	5022142
minimum elong			3 34 31	3			
	13381 Dec 13 08:28	30°₹ <b>⋌</b> ¹		minimum elong	13382 Nov 19 22:19	11° <b>∡</b> ¹47'40	
morning rise	13381 Dec 19 01:27	27° <b>∡</b> ¹43'58		min. Earth dist.	13382 Nov 20 09:55	11° <b>∡</b> ′31′23	0.54506 AU
direct	13381 Dec 21 23:59	27° <b>∡</b> ¹23'33		morning rise	13382 Nov 28 12:41	7° <b>∡</b> ¹48'39	
	13381 Dec 29 19:48	0° <b>ਰ</b>		direct	13382 Dec 02 08:05	7° <b>∡</b> 17'15	
morning max el	13382 Jan 02 04:21	2° <b>る</b> 43'49	20°43'44	morning max el	13382 Dec 14 23:16	13° <b>∡</b> 20′49	22°21'51
asc. node	13382 Jan 06 00:54	7° <b>る</b> 00'49		asc. node	13382 Dec 23 22:03	24° <b>∡</b> ¹28'53	
	13382 Jan 19 11:54	0° <b>≈</b> ≈			13382 Dec 27 07:07	0°ರ	
morning set	13382 Jan 21 06:05	3° <b>≈</b> 36'12		morning set	13383 Jan 05 16:54	18° <b>る</b> 22'32	
					13383 Jan 11 03:22	0° <b>≈</b>	
superior conj	13382 Jan 28 16:46	19° <b>≈</b> 02'14	1°15'30		15505 3411 11 05.22	0.00	
		19°≈15'24			12202 I 12 17.40	292420	1920126
minimum elong	13382 Jan 28 19:20		1°15'56	superior conj	13383 Jan 12 17:48	3°≈24'39	
max. Earth dist.	13382 Feb 02 21:01	29° <b>≈</b> 21'24	1.35909 AU	minimum elong	13383 Jan 12 19:36	3° <b>≈</b> 34'13	1°30'12
	13382 Feb 03 05:00	0° <b>∀</b>		max. Earth dist.	13383 Jan 16 11:30	11° <b>≈</b> 12'59	1.34058 AU
evening rise	13382 Feb 06 18:29	6° <b>)</b> 43′45		evening rise	13383 Jan 20 21:56	20° <b>≈</b> 04'04	
desc. node	13382 Feb 07 20:53	8° <b>)</b> 44'53		desc. node	13383 Jan 25 17:32	29° <b>≈</b> 06′03	
	13382 Feb 20 12:17	$0^{\circ}$ Y			13383 Jan 26 05:29	0° <b>∀</b>	
evening max el	13382 Mar 14 05:13	28° <b>Y</b> 12'04	26°10'23		13383 Feb 14 12:03	$0^{\circ}\mathbf{\Upsilon}$	
•	13382 Mar 16 03:33	0°8		evening max el	13383 Feb 24 18:47	11° <b>Y</b> 51'40	27°02'28
retrograde	13382 Mar 26 23:38	5° <b>8</b> 29'09		retrograde	13383 Mar 10 03:48	19° <b>Y</b> ′18'33	
evening set	13382 Apr 02 04:20	2° <b>8</b> 58'22		evening set	13383 Mar 16 17:47	16° <b>℃</b> 46'10	
•	13382 Apr 03 21:42	1° <b>8</b> 22'10		min. Earth dist.	13383 Mar 20 16:28	12° <b>Υ</b> 57'17	0.65581 AU
asc. node	-	1 <b>3</b> 22 10					0.03381 AU
	13382 Apr 05 03:52	•		asc. node	13383 Mar 21 19:10	11° <b>Υ</b> 41'46	
min. Earth dist.	13382 Apr 06 08:13	28° <b>Y</b> ′36′07	0.67042 AU	inferior conj	13383 Mar 22 21:28	10° <b>Y</b> ′26′22	0°20'57
inferior conj	13382 Apr 08 01:01	26° <b>Y</b> ′30′08	1°16'04	minimum elong	13383 Mar 22 20:54	10° <b>Y</b> ′28′01	0°20'39
minimum elong	13382 Apr 07 23:17	26° <b>Ƴ</b> 35′28	1°15'06	morning rise	13383 Mar 29 01:31	4° <b>Υ</b> 53'21	
morning rise	13382 Apr 13 19:03	20° <b>Ƴ</b> 44'58		direct	13383 Mar 31 20:26	4° <b>Υ</b> 11'21	
direct	13382 Apr 16 23:50	19° <b>Ƴ</b> 46'57		morning max el	13383 Apr 07 04:53	7° <b>Ƴ</b> 30'45	18°03'55
morning max el	13382 Apr 23 13:53	23° <b>Y</b> 18'22	18°37'16		13383 Apr 22 19:17	$9^{\circ}$ 8	
-	13382 Apr 29 04:03	0°B		desc. node	13383 Apr 23 19:51	1° <b>8</b> 39'53	
desc. node	13382 May 06 23:12	11° <b>8</b> 30'23		morning set	13383 Apr 25 15:40	4° <b>8</b> 38'07	
morning set	13382 May 14 21:23	23° <b>8</b> 52'14		Č	1		
morning sec	13382 May 18 19:17	0°П		superior conj	13383 May 10 09:28	28° <b>8</b> 15'16	1046'38
	13362 Way 16 19.17	υш			-	27° <b>8</b> 39'22	
	12202.14 20 22 50	100 <b>T</b> 02122	2000116	minimum elong	13383 May 10 00:21		1 40 39
superior conj	13382 May 30 23:50	19° <b>Ⅲ</b> 02'32			13383 May 11 12:08	0°II	
minimum elong	13382 May 30 18:51	18° <b>Ⅱ</b> 43'02		max. Earth dist.	13383 May 13 04:34	2° <b>Ⅱ</b> 38′26	1.45711 AU
max. Earth dist.	13382 May 30 08:43	18° <b>Ⅲ</b> 03′28	1.45769 AU	evening rise	13383 May 26 11:59	23° <b>Ⅱ</b> 17'56	
	13382 Jun 06 23:37	$0$ $\circ$			13383 May 30 20:21	$0$ $\circ$ $\odot$	
evening rise	13382 Jun 15 13:37	13° <b>©</b> 35'14		greatest brilliancy	13383 Jun 08 08:00	12° <b>©</b> 53'02	-0.7m
greatest brilliancy	13382 Jun 23 05:20	25° <b>©</b> 44'52	-0.9m	asc. node	13383 Jun 17 16:39	25°5944'10	
-	13382 Jun 25 22:42	$0^{\circ}\Omega$		evening max el	13383 Jun 20 03:01	28° <b>5</b> 24'16	19°25'23
asc. node	13382 Jun 30 19:41	7° <b>Ω</b> 15'34		<b>5</b>	13383 Jun 21 20:53	0°N	
evening max el	13382 Jul 06 18:57	14° <b>Ω</b> 38'03	18°40'41	retrograde	13383 Jun 27 06:03	2° <b>Ω</b> 23'53	
•	13382 Jul 13 08:37	14° <b>Ω</b> 12'26	10 10 11	-	13383 Jun 30 21:26	1° <b>Ω</b> 06'45	
retrograde				evening set			
evening set	13382 Jul 16 14:50	17° <b>Ω</b> 11'47	2050122	:¢:	13383 Jul 02 05:47	30°R≌	2000100
inferior conj	13382 Jul 22 05:54	11° <b>Ω</b> 33'07		inferior conj	13383 Jul 06 06:43	25°9514'15	3°08'08
minimum elong	13382 Jul 22 07:48	11° <b>Ω</b> 27'17		minimum elong	13383 Jul 06 07:39	25° <b>©</b> 11'13	3°07'05
min. Earth dist.	13382 Jul 24 04:02	9° <b>Ω</b> 11'06	0.65707 AU	min. Earth dist.	13383 Jul 07 14:21	23° <b>©</b> 30'10	0.67199 AU
morning rise	13382 Jul 27 23:49	5° <b>Ω</b> 09'44		morning rise	13383 Jul 11 17:19	18° <b>©</b> 50'14	

direct	13383 Jul 17 17:22	16° <b>©</b> 12'57		min. Earth dist.	13384 Jun 20 06:16	ร°จรกรเร6	0.68238 AU
desc. node	13383 Jul 17 17.22 13383 Jul 20 19:34	16°9548'14		morning rise	13384 Jun 24 18:34	2°548'27	0.08238 AU
		23°937'17	25027124	=	13384 Jun 30 07:06	0°\$22'15	
morning max el	13383 Jul 30 02:01		25-37-34	direct			
	13383 Aug 04 18:19	0° <b>Q</b>		desc. node	13384 Jul 06 16:51	2°952'57	24044422
	13383 Aug 25 13:12	0° Mp		morning max el	13384 Jul 11 12:08	7° <b>©</b> 05'10	24°11'33
morning set	13383 Sep 04 01:37	16° Mp 24'57	1.25001 1.77		13384 Jul 29 08:47	0°N	
max. Earth dist.	13383 Sep 07 17:12	23° m 11'09	1.35881 AU	morning set	13384 Aug 15 23:28	28° <b>Ω</b> 00'59	
	13383 Sep 11 06:00	0∘ <b>⊽</b>		F 4 F	13384 Aug 17 02:55	0° m)	
				max. Earth dist.	13384 Aug 19 15:27	4° Mp 27′05	1.38137 AU
superior conj	13383 Sep 13 17:30	4° <b>£</b> 55'33			12204 4 26 22 00	150 - 5415	0000110
minimum elong	13383 Sep 13 17:31	4° <b>£</b> 55'35	0.00,10	superior conj	13384 Aug 26 22:00	17° <b>m</b> 54'15	
behind sun begin	13383 Sep 13 11:18	4° <b>£</b> 24'25		minimum elong	13384 Aug 27 00:20	18° Mp 05'25	0°33'34
behind sun end	13383 Sep 13 23:44	5° <b>Ω</b> 26'49		asc. node	13384 Aug 30 14:26	25° m 02'35	
asc. node	13383 Sep 13 17:52	4° <b>£</b> 57'19			13384 Sep 02 02:46	0∘ <b>⊽</b>	
evening rise	13383 Sep 21 15:27	21° <b>♀</b> 07'35		evening rise	13384 Sep 04 16:46	5° <b>₽</b> 07'05	
	13383 Sep 26 01:33	0°M	2000/150		13384 Sep 19 06:57	0°M	10005106
evening max el	13383 Oct 09 11:19	20°M30'57	20°06'50	evening max el	13384 Sep 21 04:13	2°M04'13	19°05'06
desc. node	13383 Oct 16 15:47	25°M15'10		retrograde	13384 Sep 30 03:03	6°M33'14	
retrograde	13383 Oct 20 01:27	25°M47'06		evening set	13384 Oct 01 23:41	6°M22'25	
evening set	13383 Oct 22 02:00	25°M36'26		desc. node	13384 Oct 02 13:16	6°M15'01	
inferior conj	13383 Oct 31 00:17	21°MJ38'27		inferior conj	13384 Oct 10 10:04	2°M08'42	
minimum elong	13383 Oct 30 14:19	21°M53'22	4°12'03	minimum elong	13384 Oct 10 03:43	2°M19'33	2°25'49
min. Earth dist.	13383 Nov 01 17:49	20°M36'16	0.54898 AU	min. Earth dist.	13384 Oct 13 05:41	0°M13'35	0.56174 AU
morning rise	13383 Nov 08 01:33	17°M30'48			13384 Oct 13 13:57	30° <b>₹</b> Ω	
direct	13383 Nov 12 19:00	16°M42'12		morning rise	13384 Oct 18 04:56	27° <b>Ω</b> 27'19	
morning max el	13383 Nov 26 09:53	23°M24'30	24°10'32	direct	13384 Oct 23 18:05	26° <b>≏</b> 15'39	
i	13383 Dec 02 07:39	0° 🗷			13384 Nov 02 17:44	0°M	25052127
asc. node	13383 Dec 10 19:07	12° <b>∡</b> ′46′07		morning max el	13384 Nov 06 20:55	3°M28'12	25°52'37
	13383 Dec 19 17:26	0°る			13384 Nov 25 18:16	0° <b>₹</b> ¹	
morning set	13383 Dec 21 04:50	3° <b>る</b> 07'52		asc. node	13384 Nov 26 16:04	1° <b>×</b> <sup>7</sup> 40'20	
	12202 D 20 00-22	18° <b>る</b> 00'21	1°36'48	morning set	13384 Dec 04 16:06	17° <b>メ</b> *47'30 0°る	
superior conj minimum elong	13383 Dec 28 00:33 13383 Dec 28 01:18	18°る00'21'	1°37'46		13384 Dec 10 05:27	0.0	
max. Earth dist.	13383 Dec 28 01:18	18 30427 23°る09'48	1.32629 AU	aumanian aani	13384 Dec 11 10:43	2° <b>る</b> 42'39	1°37'57
max. Earth dist.	13384 Jan 02 15:26	23 <b>3</b> 0948 0° <b>≈</b>	1.32029 AU	superior conj minimum elong	13384 Dec 11 10:22	2°る42'39 2°る40'44	1°38'58
evening rise	13384 Jan 04 12:45	0 ≈ 3°≈51'58		max. Earth dist.	13384 Dec 11 10.22	5°る16'27	1.31684 AU
desc. node	13384 Jan 12 14:15	19°≈12'19		evening rise	13384 Dec 12 14.29	5 01027 17° <b>る</b> 59'58	1.31064 AU
desc. Hode	13384 Jan 18 23:38	0° <b>\</b>		evening rise	13384 Dec 24 12:27	0°≈	
evening max el	13384 Feb 07 07:20	0 <del>X</del> 25° <b>¥</b> 09'51	27020122	desc. node	13384 Dec 24 12.27 13384 Dec 29 11:05	0 ≈ 8°≈57'19	
evening max er	13384 Feb 13 07:56	25 <b>γ</b> (0) 31	27 30 33	dese. Hode	13385 Jan 12 13:19	0° <b>∺</b>	
retrograde	13384 Feb 21 01:17	2° <b>Υ</b> 36'31		evening max el	13385 Jan 19 16:49	7° <b>¥</b> 54'03	27°28'14
evening set	13384 Feb 27 21:29	0° <b>Υ</b> 09'35		retrograde	13385 Feb 02 14:52	15° <b>¥</b> 13'41	27 20 14
evening set	13384 Feb 28 02:46	30°R <b></b> ₩		evening set	13385 Feb 09 12:35	12° <b>X</b> 59'56	
min. Earth dist.	13384 Mar 02 16:35	26° <b>¥</b> 50'47	0.63772 AU	min. Earth dist.	13385 Feb 13 06:50	10° <b>X</b> 05'50	0.61711 AU
inferior conj	13384 Mar 05 08:48	24° <b>H</b> 05'34		inferior conj	13385 Feb 16 07:47	7° <b>¥</b> 19'32	
minimum elong	13384 Mar 05 10:14	24°\(\text{\text{103'54'}}\)		minimum elong	13385 Feb 16 12:03	7° <b>∺</b> 09'46	1°59'51
asc. node	13384 Mar 07 16:40	21° <b>)</b> 47'16	0 44 30	asc. node	13385 Feb 22 14:08	2° <b>)</b> 41'34	1 3731
morning rise	13384 Mar 12 01:15	18° <b>)</b> 47'10		morning rise	13385 Feb 23 14:22	2° <del>X</del> 18'33	
direct	13384 Mar 14 11:50	18° <b>¥</b> 17'35		direct	13385 Feb 25 18:42	1° <b>)</b> 57'47	
morning max el	13384 Mar 20 22:28	21°\(\frac{1}{36}\)'13	17°47'46	morning max el	13385 Mar 04 15:27	5° <b>¥</b> 25'59	17°49'31
morning max ci	13384 Mar 27 10:45	0° <b>Υ</b>	17 47 40	morning set	13385 Mar 20 08:43	29° <b>)</b> 49'35	17 47 31
morning set	13384 Apr 06 13:20	16° <b>Υ</b> 43'10		morning set	13385 Mar 20 11:02	20 <b>γ</b> (4)33	
desc. node	13384 Apr 09 16:26	22° <b>Υ</b> '02'19		desc. node	13385 Mar 27 12:56	12° <b>Υ</b> 33'13	
dese. Hode	13384 Apr 14 10:13	0°8		dese. Hode	13303 Widi 27 12.30	12   33 13	
	1550 : 11p1 1 : 10:15	• •		superior conj	13385 Mar 31 11:36	19° <b>Y</b> 21'13	-0°30'37
superior conj	13384 Apr 19 10:43	8° <b>8</b> 15'01	-1°10'47	minimum elong	13385 Mar 31 08:43	19° <b>Υ</b> 08'58	
minimum elong	13384 Apr 19 03:34	7° <b>8</b> 45'56			13385 Apr 06 20:55	0°8	
max. Earth dist.	13384 Apr 24 23:19	17° <b>8</b> 06'44	1.44924 AU	max. Earth dist.	13385 Apr 07 15:18	1° <b>8</b> 14'48	1.43494 AU
	13384 May 03 05:27	0°II		evening rise	13385 Apr 14 15:42	12° <b>8</b> 24'31	
evening rise	13384 May 04 23:19	2° <b>Ⅱ</b> 40'45		-6	13385 Apr 26 06:50	0°Ⅱ	
· · · · · · · · · · · · · · · · · · ·	13384 May 23 09:56	0°ඉ		evening max el	13385 May 16 02:17	26° <b>Ⅱ</b> 01'56	21°36'54
evening max el	13384 Jun 02 05:29	12°©12'57	20°25'10	5	13385 May 20 22:39	0.ಪಿ	
asc. node	13384 Jun 03 13:42	13° <b>©</b> 29'30		asc. node	13385 May 21 10:52	0°517'11	
retrograde	13384 Jun 10 04:54	16°5548'09		retrograde	13385 May 25 03:15	1° <b>©</b> 19'25	
evening set	13384 Jun 14 06:13	15°514'11		-	13385 May 28 23:06	30° <b>Ŗ</b> Ⅱ	
inferior conj	13384 Jun 19 12:40	9° <b>5</b> 09'17	3°12'35	evening set	13385 May 29 15:15	29° <b>Ⅱ</b> 29'04	
minimum elong	13384 Jun 19 12:33	9° <b>5</b> 09'40	3°11'33	inferior conj	13385 Jun 03 21:25	23° <b>Ⅲ</b> 13′17	3°05'36

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minimum elong	13385 Jun 03 20:22	23° <b>Ⅱ</b> 16'56	3°04'29	minimum elong	13386 May 19 05:15	7° <b>Ⅱ</b> 29'26	2°46'57
min. Earth dist.	13385 Jun 04 01:35	22° <b>I</b> I58'43	0.68807 AU	min. Earth dist.	13386 May 18 22:19	7° <b>Ⅱ</b> 53'32	0.68902 AU
morning rise	13385 Jun 09 01:17	16° <b>Ⅱ</b> 57'53		morning rise	13386 May 24 11:27	1° <b>Ⅱ</b> 14'44	
direct	13385 Jun 14 01:08	14° <b>Ⅱ</b> 48'34			13386 May 26 09:43	30°R₩	
desc. node	13385 Jun 23 13:59	20° <b>Ⅱ</b> 17'18		direct	13386 May 28 22:24	29° <b>8</b> 25'29	
morning max el	13385 Jun 23 23:18	20° <b>Ⅱ</b> 40′29	22°41'55		13386 May 31 14:48	$\Pi$ $^{\circ}0$	
	13385 Jul 01 22:24	$0$ $\circ$ $\odot$		morning max el	13386 Jun 06 14:42	4° <b>Ⅱ</b> 26′00	21°17'03
	13385 Jul 22 13:59	$0^{\circ}\Omega$		desc. node	13386 Jun 10 11:00	8° <b>Ⅱ</b> 40'30	
morning set	13385 Jul 27 21:54	8° <b>Ω</b> 33'49			13386 Jun 25 23:45	$0$ $\circ$ $\odot$	
max. Earth dist.	13385 Aug 01 14:26	16° <b>Ω</b> 23'14	1.40488 AU	morning set	13386 Jul 07 19:22	18° <b>©</b> 01'31	
				max. Earth dist.	13386 Jul 14 18:48	29° <b>©</b> 12'15	1.42648 AU
superior conj	13385 Aug 09 10:23	0° <b>m</b> 07'33	-1°08'42		13386 Jul 15 06:28	$0$ $^{\circ}\Omega$	
minimum elong	13385 Aug 09 15:30	0° m 30'43	1°08'31				
	13385 Aug 09 08:43	0° <b>m</b>		superior conj	13386 Jul 22 02:15	11° <b>Ω</b> 25′56	-1°41'13
asc. node	13385 Aug 17 11:00	15° <b>m</b> 01'57		minimum elong	13386 Jul 22 09:21	11° <b>Ω</b> 56′21	1°41'16
evening rise	13385 Aug 19 09:10	18° Mp 40'28			13386 Aug 01 14:54	0° <b>m</b> y	
	13385 Aug 25 11:38	0∘ <b>⊽</b>		evening rise	13386 Aug 02 12:36	1°Mp37'52	
evening max el	13385 Sep 04 08:12	14° <b>≏</b> 21'23	18°25'01	asc. node	13386 Aug 04 07:38	4° <b>m</b> 51'43	
retrograde	13385 Sep 11 23:53	18° <b>≏</b> 13'40		evening max el	13386 Aug 18 19:10	27° <b>TQ</b> 13'27	18°05'24
evening set	13385 Sep 14 00:55	17° <b>≏</b> 57'52			13386 Aug 22 13:34	0∘ <b>⊽</b>	
desc. node	13385 Sep 19 10:47	15° <b>≏</b> 08'27		retrograde	13386 Aug 25 14:41	0° <b>ჲ</b> 42'48	
inferior conj	13385 Sep 21 17:13	13° <b>≏</b> 23'18		evening set	13386 Aug 27 23:01	0° <b>₽</b> 18′09	
minimum elong	13385 Sep 21 15:34	13° <b>≏</b> 26'36	0°42'06		13386 Aug 28 17:22	30°R, Mp	
min. Earth dist.	13385 Sep 24 23:47	10° <b>≏</b> 46'58	0.58082 AU	inferior conj	13386 Sep 03 21:21	25° m 23'12	
morning rise	13385 Sep 29 02:46	8° <b>≏</b> 04'38		minimum elong	13386 Sep 03 22:42	25° Mp 20'01	0°43'56
direct	13385 Oct 05 06:58	6° <b>≏</b> 26'06		desc. node	13386 Sep 06 08:19	23° Mp 05'43	
morning max el	13385 Oct 19 14:30	14° <b>≏</b> 02'12	27°10'27	min. Earth dist.	13386 Sep 07 02:30	22° <b>m</b> 24'49	0.60315 AU
	13385 Nov 01 08:49	0° <b>M</b>		morning rise	13386 Sep 10 19:18	19° <b>m</b> 33'42	
asc. node	13385 Nov 13 12:53	21°M01'23		direct	13386 Sep 17 08:41	17° <b>m</b> 28'30	
	13385 Nov 17 23:09	0° <b>∡</b>		morning max el	13386 Oct 01 15:50	25° m/21'53	27°52'19
morning set	13385 Nov 19 01:00	2° <b>∡</b> 16'45			13386 Oct 05 22:46	0∘ <b>⊽</b>	
	1220531 25 22 17	170 705100	1022111	,	13386 Oct 25 19:46	0°M	
superior conj	13385 Nov 25 22:17	17° <b>₹</b> 25'29	1°33'11	asc. node	13386 Oct 31 09:36	10°M41'48	
minimum elong	13385 Nov 25 20:59	17° <b>∡</b> 18'09	1°34'04	morning set	13386 Nov 03 05:41	16°M30'47	
max. Earth dist.	13385 Nov 25 22:45	17° <b>メ</b> 28'02 0°る	1.31239 AU	F 41 F 4	13386 Nov 09 11:11	0° x̄¹	1 21211 477
	13385 Dec 01 14:49	0°る 2° <b>る</b> 21'34		max. Earth dist.	13386 Nov 09 06:40	29°M34'56	1.31311 AU
evening rise desc. node	13385 Dec 02 17:11 13385 Dec 16 08:01	28° <b>る</b> 12'37		gumanian aani	13386 Nov 10 09:25	2° <b>×</b> 103'32	1022120
desc. node	13385 Dec 16 08.01 13385 Dec 17 10:31	28 <b>⊘</b> 1237 0° <b>≈</b>		superior conj minimum elong	13386 Nov 10 09.25	2 <b>x</b> · 03 32 1° <b>x</b> · 52′24	
evening max el	13386 Jan 01 20:18	0 ∞ 19°≈51'37	26051122	evening rise	13386 Nov 17 02:09	16° <b>x</b> 52 24	1 23 17
retrograde	13386 Jan 15 19:11	27°≈01'58	20 31 32	evening rise	13386 Nov 23 11:46	0°る	
evening set	13386 Jan 22 11:37	25°≈09'07		desc. node	13386 Dec 03 05:05	16° <b>පි</b> 46'18	
min. Earth dist.	13386 Jan 26 10:21	22° <b>≈</b> 30'28	0.59534 AU	desc. node	13386 Dec 13 16:38	0°≈	
inferior conj	13386 Jan 29 14:49	19°≈58'26		evening max el	13386 Dec 14 15:26	0°≈55'34	25°41'33
minimum elong	13386 Jan 29 22:08	19° <b>≈</b> 43'50	3°21'38	retrograde	13386 Dec 28 12:54	7°≈56'21	23 1133
morning rise	13386 Feb 06 11:43	15°≈18'11	3 2130	evening set	13387 Jan 03 14:22	6° <b>≈</b> 31'17	
direct	13386 Feb 08 12:51	15° <b>≈</b> 02'38		min. Earth dist.	13387 Jan 08 03:58	3°≈53'29	0.57453 AU
asc. node	13386 Feb 09 11:32	15°≈06'04		inferior conj	13387 Jan 11 02:28	1°≈51'53	
morning max el	13386 Feb 16 04:23	18° <b>≈</b> 50'25	18°10'22	minimum elong	13387 Jan 11 11:15	1° <b>≈</b> 36'41	4°41'13
C	13386 Feb 24 06:57	0° <b>∀</b>			13387 Jan 13 21:55	30°Ŗる	
morning set	13386 Mar 03 19:44	13° <b>)</b> 39′02		morning rise	13387 Jan 19 10:51	27° <b>る</b> 33'59	
C	13386 Mar 12 15:19	$0^{\circ}$ $\Upsilon$		direct	13387 Jan 21 13:46	27° <b>る</b> 20'06	
				asc. node	13387 Jan 27 08:53	29° <b>ප</b> 11'06	
superior conj	13386 Mar 13 11:51	1° <b>Y</b> ′32'30	0°07'11		13387 Jan 28 12:31	0° <b>≈</b>	
minimum elong	13386 Mar 13 12:25	1° <b>Y</b> 35'01	0°07'11	morning max el	13387 Jan 30 09:16	1° <b>≈</b> 37'42	18°52'01
behind sun begin	13386 Mar 13 05:35	1° <b>Y</b> '04'19		morning set	13387 Feb 15 17:27	27° <b>≈</b> 55'54	
behind sun end	13386 Mar 13 19:15	2° <b>Y</b> 05'39			13387 Feb 16 18:45	0° <b>∀</b>	
desc. node	13386 Mar 14 09:25	3° <b>Y</b> 08'58					
max. Earth dist.	13386 Mar 21 02:52	14° <b>Y</b> '48'38	1.41567 AU	superior conj	13387 Feb 24 07:13	14° <b>¥</b> 35'37	0°39'14
evening rise	13386 Mar 26 01:03	22° <b>Y</b> ′56'27		minimum elong	13387 Feb 24 09:34	14° <b>)</b> 46′45	0°39'14
	13386 Mar 30 11:32	0°8		desc. node	13387 Mar 01 05:55	23° <b>¥</b> 45′20	
	13386 Apr 20 07:23	$\Pi$ °0		max. Earth dist.	13387 Mar 03 09:57		1.39358 AU
evening max el	13386 Apr 28 18:37	9° <b>∏</b> 52′06	22°56'00		13387 Mar 04 18:18	$0$ ° $\Upsilon$	
asc. node	13386 May 08 08:07	15° <b>Ⅱ</b> 51'15		evening rise	13387 Mar 07 07:28	4° <b>Y</b> 23'15	
retrograde	13386 May 08 23:39	15° <b>Ⅱ</b> 53'10			13387 Mar 23 14:41	$0^{\circ}$ 8	
evening set	13386 May 13 22:58	13° <b>Ⅱ</b> 47'47		evening max el	13387 Apr 11 08:30	23° <b>8</b> 43'41	24°16'46
inferior coni	13386 May 19, 07:01	7° <b>∏</b> 23'21	2°48'11		13387 Apr 20 07:03	0°Π	

inferior conj

13386 May 19 07:01

7°**Ⅲ**23'21 2°48'11

13387 Apr 20 07:03

 $\Pi^\circ 0$ 

	12207 4 22 16 52	оо <b>Жаз</b> о 4			12200 14 22 21 50	70 <b>4</b> 0 5151	25022117
retrograde	13387 Apr 22 16:52	0° <b>Ⅱ</b> 23'04		evening max el	13388 Mar 23 21:59	7° <b>8</b> 35'51	25°32'17
aga mada	13387 Apr 24 23:34	30°R <b>と</b> 29° <b>と</b> 54'38		retrograde	13388 Apr 05 05:45	14° <b>8</b> 42'45 12° <b>8</b> 15'35	
asc. node	13387 Apr 25 05:27			evening set	13388 Apr 11 04:04	_	
evening set	13387 Apr 28 03:47	28° <b>8</b> 05'04 22° <b>8</b> 46'55	0.69527 AII	asc. node	13388 Apr 11 02:52	12° <b>8</b> 18'06	0.67705 AII
min. Earth dist.	13387 May 02 18:20	21° <b>8</b> 35'19	0.68527 AU 2°20'38	min. Earth dist.	13388 Apr 15 11:32	7° <b>8</b> 32'58 5° <b>8</b> 45'05	0.67705 AU 1°42'45
inferior conj	13387 May 03 15:33			inferior conj	13388 Apr 16 21:08	5° <b>8</b> 51'40	
minimum elong	13387 May 03 13:25	21° <b>8</b> 42'31	2°19'20	minimum elong	13388 Apr 16 19:05	29° <b>Y</b> 53'32	1°41'35
morning rise	13387 May 08 23:11	13° <b>8</b> 34°33		morning rise	13388 Apr 22 10:35	29° 1 33′32 30°R <b>Y</b>	
direct	13387 May 12 21:41		20002100	T' A	13388 Apr 22 06:45		
morning max el	13387 May 20 12:50	18° <b>8</b> 22'49	20°03'08	direct	13388 Apr 25 21:31	28° <b>Y</b> 45'01 0° <b>と</b>	
desc. node	13387 May 28 07:54	27° <b>8</b> 46'19 0° <b>Ⅱ</b>		momina may al	13388 Apr 29 16:56	2° <b>8</b> 29'24	19°03'52
	13387 May 29 22:48	0°Щ 26°Щ45'04		morning max el desc. node	13388 May 02 18:30	17° <b>8</b> 23'10	19-03-52
morning set	13387 Jun 16 22:57				13388 May 14 04:41		0.7
E d E d	13387 Jun 19 01:29	0°95	1 44264 ATT	greatest brilliancy	13388 May 15 21:26	19° <b>8</b> 55'11 0° <b>Ⅱ</b>	-0.7m
max. Earth dist.	13387 Jun 27 05:33	12° <b>©</b> 48'59	1.44364 AU	marning got	13388 May 22 12:07	5° <b>П</b> 38'10	
aumariar aani	12207 Iul 02 10:22	21°5944'14	2005!11	morning set max. Earth dist.	13388 May 26 03:47 13388 Jun 08 21:51	27° <b>Д</b> 01'31	1.45465 AU
superior conj	13387 Jul 02 18:33			max. Earth dist.		2/°Щ0Г3Г 0°©	1.45465 AU
minimum elong	13387 Jul 03 00:20	22°507'49	2°05′52		13388 Jun 10 19:18	0.50	
	13387 Jul 07 18:52	0°Ω 120 Ω 47!1 4			12200 I 11 12.10	196210110	2012122
evening rise	13387 Jul 15 22:11	13° <b>Ω</b> 47'14		superior conj	13388 Jun 11 13:10	1°5010'19	
asc. node	13387 Jul 22 04:20	24° <b>Ω</b> 27'27		minimum elong	13388 Jun 11 12:39 13388 Jun 26 09:02	1°508'18 24°557'28	2 14 34
	13387 Jul 25 13:29	0° Mp	10004155	evening rise	13388 Jun 26 09:02 13388 Jun 29 11:09	24°93/28 0°Ω	
evening max el	13387 Aug 02 09:16	10° Tp 31'05	18°04'55	4-		13°Ω43'08	
retrograde	13387 Aug 08 19:04	13° <b>m</b> 51'34		asc. node	13388 Jul 08 01:09	$24^{\circ}\Omega 05'30$	18°22'38
evening set	13387 Aug 11 11:39	13° M) 14'44	1040120	evening max el	13388 Jul 15 23:08	• • • • •	18-22-38
inferior conj	13387 Aug 17 18:56	8° Mp 01'29	1°49'30	retrograde	13388 Jul 22 08:45	27°Ω30'41 26°Ω39'11	
minimum elong	13387 Aug 17 21:24	7° Mp 54'57	1°48'16	evening set	13388 Jul 25 09:57		2022125
min. Earth dist.	13387 Aug 20 14:48	5° Mp 02'51	0.62585 AU	inferior conj	13388 Jul 31 05:54 13388 Jul 31 08:12	21° <b>Ω</b> 09'29 21° <b>Ω</b> 02'42	2°33'25 2°32'11
morning rise	13387 Aug 24 04:56	1° <b>M</b> 51'44		minimum elong		$18^{\circ}\Omega 29'53$	0.64668 AU
desc. node	13387 Aug 24 05:49	1° TD 50'07		min. Earth dist.	13388 Aug 02 12:26		0.04008 AU
4:	13387 Aug 27 14:36	30°R€		morning rise	13388 Aug 06 05:08	14° <b>Ω</b> 49'06	
direct	13387 Aug 30 21:13	29° <b>Ω</b> 25'22 0° <b>m</b>		desc. node direct	13388 Aug 10 03:18	12° <b>Ω</b> 35'32 12° <b>Ω</b> 10'51	
mamina may al	13387 Sep 03 07:33	0 ly 7° <b>m</b> )27'09	27055100		13388 Aug 12 18:31	20°Ω08'53	27922124
morning max el	13387 Sep 13 23:01	0° <b>⊽</b>	27-55'08	morning max el	13388 Aug 26 09:17	20° <b>3</b> 708'33	21-22-24
	13387 Oct 01 05:41 13387 Oct 17 23:15	0°M			13388 Sep 03 20:11 13388 Sep 23 07:25	0∘ <del>ত</del> اللا	
mamina aat		0 แน 0°M24'18		marning got	•	0 <u>≈</u> 13° <b>≏</b> 49'58	
morning set asc. node	13387 Oct 18 04:02 13387 Oct 18 06:16	0°M35'36		morning set asc. node	13388 Sep 30 17:27 13388 Oct 04 02:52	13 <del>22</del> 49 38 20° <b>2</b> 37'19	
	13387 Oct 18 00:16 13387 Oct 23 10:21	11°M27'24	1.31915 AU	max. Earth dist.	13388 Oct 04 02:32 13388 Oct 05 06:10	20° <b>2</b> 37′19 22° <b>2</b> 57′32	1.33064 AU
max. Earth dist.	13387 Oct 23 10.21	11 1162/24	1.31913 AU	max. Earth dist.	13388 Oct 03 00.10	22 = 31 32	1.33004 AU
superior conj	13387 Oct 25 18:15	16°M31'32	1°06'26	superior conj	13388 Oct 08 22:40	0° <b>M</b> L42'58	0°44'39
minimum elong	13387 Oct 25 15:58	16°M 19'03	1°06'45	minimum elong	13388 Oct 08 22:40	0°M32'23	0°44'42
minimum clong	13387 Oct 31 21:34	0° <b>∡</b> ⊓	1 0043	minimum clong	13388 Oct 08 20.41 13388 Oct 08 14:36	0°M	0 44 42
evening rise	13387 Nov 01 13:03	1° <b>×</b> <sup>1</sup> 23'43		evening rise	13388 Oct 08 14:30 13388 Oct 15 23:59	15°M53'47	
evening rise	13387 Nov 16 22:57	1 × 25 45 0°る		evening rise	13388 Oct 13 23:59 13388 Oct 22 22:58	13 11 <b>6</b> 33 47	
desc. node	13387 Nov 20 02:15	4°る22'42		desc. node	13388 Nov 05 23:32	20° <b>∡</b> 39'51	
evening max el	13387 Nov 26 03:12		24°07'25	evening max el	13388 Nov 05 23:52 13388 Nov 06 13:50	20 × 3931 21°×715'29	22°25'17
retrograde	13387 Nov 26 03.12 13387 Dec 09 18:13	11 31447 18° <b>る</b> 02'10	27 U/23	retrograde	13388 Nov 19 10:40	21 <b>x</b> · 13 29 27° <b>x</b> · 38' 19	44 4J 1 /
evening set	13387 Dec 14 17:29	18 <b>3</b> 02 10		evening set	13388 Nov 23 00:37	27° × 10'12	
min. Earth dist.	13387 Dec 20 14:30		0.55748 AU	min. Earth dist.	13388 Nov 30 21:10	23°× 39'02	0.54712 AU
inferior conj	13387 Dec 20 14.30 13387 Dec 22 17:25	14 <b>3</b> 1244 12° <b>る</b> 55'19		inferior conj	13388 Dec 01 15:08	23° <b>x</b> '39'02 23° <b>x</b> '13'44	
minimum elong	13387 Dec 22 17:23	12 <b>3</b> 35 19		minimum elong	13388 Dec 01 13:08	23° <b>x</b> 13'44' 23° <b>x</b> 17'39	
morning rise	13387 Dec 22 25:01 13387 Dec 31 06:29	8°る57'04	3 40 24	morning rise	13388 Dec 01 12:22 13388 Dec 10 01:19	19° <b>х</b> 1/39	3 32 34
direct	13388 Jan 02 19:04	8°る40'37		direct	13388 Dec 10 01:15	19° × 01'45	
morning max el	13388 Jan 13 02:08		19°56'16	morning max el	13388 Dec 13 08:23 13388 Dec 25 04:27	24° <b>×</b> <sup>7</sup> 41'08	21023118
asc. node	13388 Jan 14 06:10	13 <b>3</b> 3701 14° <b>る</b> 48'05	17 50 10	morning max ci	13388 Dec 23 04.27 13388 Dec 29 21:39	24 メ・41 08 0°る	21 23 10
asc. Houc	13388 Jan 24 12:36	0°≈		asc. node	13388 Dec 29 21:39 13388 Dec 31 03:21	1° <b>る</b> 39'51	
morning set	13388 Jan 30 22:19	0 <b>~</b> 12° <b>≈</b> 30'01		morning set	13389 Jan 14 07:37	27°る13'20	
morning set	15500 Jan 30 44.19	14 ~3001		morning set	13389 Jan 14 07:37 13389 Jan 15 15:24	2/° <b>⊘</b> 13′20′ 0° <b>≈</b>	
superior conj	13388 Feb 07 17:06	28° <b>≈</b> 17'44	1°04'18		13307 Jan 13 13.24	· ~	
minimum elong	13388 Feb 07 17:06 13388 Feb 07 19:52	28°≈31'30	1°04'18 1°04'32	superior conj	13389 Jan 21 13:31	12° <b>≈</b> 27'29	1°22'14
mmmum elong	13388 Feb 07 19:52 13388 Feb 08 13:43	28°≈31'30 0° <b>∺</b>	1 0432	minimum elong	13389 Jan 21 15:31 13389 Jan 21 15:49	12°≈27′29 12°≈39′27	1°22'14 1°22'48
max. Earth dist.	13388 Feb 08 13:43 13388 Feb 13 16:13	0° <del>X</del> 9° <b>X</b> 49'55	1.37122 AU	minimum eiong max. Earth dist.	13389 Jan 21 15:49 13389 Jan 26 02:50	12°≈39'27 21°≈43'48	1°22′48 1.35080 AU
desc. node	13388 Feb 13 16:13 13388 Feb 16 02:28	9° <del>X</del> 49'55 14° <del>X</del> 18'53	1.3/122 AU		13389 Jan 26 02:50 13389 Jan 30 05:21	21°≈43′48 29°≈41′05	1.33000 AU
evening rise	13388 Feb 16 02:28 13388 Feb 17 09:59	14° <del>X</del> 18'53 16° <del>X</del> 41'11		evening rise	13389 Jan 30 05:21 13389 Jan 30 09:22	29°≈41'05 0° <b>∺</b>	
evening rise	13388 Feb 17 09:39 13388 Feb 25 04:38	10° <b>π</b> 41111 0° <b>Υ</b>		desc. node	13389 Jan 30 09:22 13389 Feb 01 23:05	0° <del>X</del> 4° <b>¥</b> 45'41	
	13388 Feb 25 04:38 13388 Mar 17 01:31	0°8		uesc. Houe	13389 Feb 01 23:05 13389 Feb 17 08:34	4° <del>Υ</del> 45'41 0° <b>Υ</b>	
	13300 WIAI 1/ U1.31	υ <b>Ο</b>			13307 FCU 1/ U8.34	v i	

evening max el	13389 Mar 06 11:50	21° <b>Y</b> ′23′20	26°35'07	desc. node	13390 Jan 19 19:46	25°≈00'54	
retrograde	13389 Mar 19 13:14	28° <b>Y</b> '45'27	20 33 07	dese. Hode	13390 Jan 22 15:38	0° <b>∺</b>	
evening set	13389 Mar 25 22:04	26° <b>Y</b> 13'35			13390 Feb 12 09:30	0° <b>Υ</b>	
asc. node	13389 Mar 29 00:19	23° <b>Y</b> 12'39		evening max el	13390 Feb 17 01:18	4°Υ′55'28	27°17'51
min. Earth dist.	13389 Mar 29 23:43	22° <b>Y</b> ′05'32	0.66467 AU	retrograde	13390 Mar 02 14:26	12° <b>Y</b> ′22'29	
inferior conj	13389 Mar 31 21:38	19° <b>Ƴ</b> 48'09	0°54'06	evening set	13390 Mar 09 07:40	9° <b>Ƴ</b> 51'35	
minimum elong	13389 Mar 31 20:18	19° <b>Y</b> ′52'09	0°53'22	min. Earth dist.	13390 Mar 13 04:38	6° <b>Y</b> 16′08	0.64851 AU
morning rise	13389 Apr 06 19:35	14° <b>Ƴ</b> 07'34		inferior conj	13390 Mar 15 14:34	3° <b>Ƴ</b> 37'53	-0°05'49
direct	13389 Apr 09 20:04	13° <b>Y</b> 16'39		minimum elong	13390 Mar 15 14:45	3° <b>Y</b> 37'26	0°05'42
morning max el	13389 Apr 16 06:41	16° <b>Ƴ</b> 41'27	18°20'56	transit middle	13390 Mar 15 14:45	3° <b>Y</b> 37'26	0°05'42
	13389 Apr 26 07:48	$0^{\circ}B$		transit begin	13390 Mar 15 11:54	3° <b>Y</b> 45′15	
desc. node	13389 May 01 01:23	7° <b>8</b> 22'44		transit end	13390 Mar 15 17:36	3° <b>Y</b> 29'37	
morning set	13389 May 06 05:55	15° <b>8</b> 36'54		asc. node	13390 Mar 15 21:48	3° <b>Y</b> 18'08	
	13389 May 15 08:09	$\Pi$ $^{\circ}0$			13390 Mar 19 05:33	30° <b>₹</b> ₩	
				morning rise	13390 Mar 21 23:37	28° <b>)</b> 10′42	
superior conj	13389 May 21 21:04	10° <b>Ⅱ</b> 14'39	-2°01'50	direct	13390 Mar 24 14:55	27° <b>∺</b> 34'19	
minimum elong	13389 May 21 13:31	9° <b>Ⅱ</b> 45'09			13390 Mar 30 00:34	$0^{\circ}$ $\Upsilon$	
max. Earth dist.	13389 May 22 17:37		1.45841 AU	morning max el	13390 Mar 30 23:08	0° <b>Υ</b> 51'43	17°54'57
	13389 Jun 03 12:45	$0$ $\circ$		morning set	13390 Apr 17 12:24	26° <b>Y</b> 58′23	
evening rise	13389 Jun 06 19:29	5° <b>ॐ</b> 08'13		desc. node	13390 Apr 17 22:00	27° <b>Ƴ</b> 38'11	
greatest brilliancy	13389 Jun 16 21:02	20°5549'46	-0.8m		13390 Apr 19 08:15	0°B	
	13389 Jun 23 01:34	0° <b>N</b>					
asc. node	13389 Jun 24 22:04	2° <b>Ω</b> 31'51		superior conj	13390 May 01 11:41	19° <b>8</b> 42'54	
evening max el	13389 Jun 29 10:01	7° <b>Ω</b> 49'40	18°57'44	minimum elong	13390 May 01 02:49	19° <b>8</b> 07'37	
retrograde	13389 Jul 06 04:14	11° <b>Ω</b> 32'54		max. Earth dist.	13390 May 05 13:57	26° <b>8</b> 11'13	1.45466 AU
evening set	13389 Jul 09 14:23	10° <b>Ω</b> 25'10	2050142		13390 May 08 00:22	0°II	
inferior conj	13389 Jul 15 02:36	4°Ω40'31 4°Ω35'44	2°59'42 2°58'36	evening rise	13390 May 17 11:23	14° <b>Ⅱ</b> 37'51 0° <b>©</b>	
minimum elong min. Earth dist.	13389 Jul 15 04:06 13389 Jul 16 18:31	2° <b>Ω</b> 33'50	0.66402 AU	greatest brilliancy	13390 May 27 14:15 13390 May 31 22:14	6°9524'44	-0.6m
iiiii. Eartii dist.	13389 Jul 18 18:51	2 <b>8€</b> 55 50	0.00402 AU	asc. node	13390 Jun 11 19:05	20°543'24	-0.0111
morning rise	13389 Jul 20 17:08	28°516'34		evening max el	13390 Jun 12 15:48	20 943 24 21°937'03	19°49'02
direct	13389 Jul 26 22:58	25°\$36'30		retrograde	13390 Jun 20 02:35	25°950'32	17 47 02
desc. node	13389 Jul 28 00:42	25°\$40'43		evening set	13390 Jun 23 22:11	24° <b>©</b> 26'01	
dese. node	13389 Aug 05 07:30	0°Ω		inferior conj	13390 Jun 29 05:54	18°927'51	3°11'29
morning max el	13389 Aug 08 20:22	3° <b>Ω</b> 16'42	26°21'36	minimum elong	13390 Jun 29 06:23	18°926'15	3°10'27
moming man vi	13389 Aug 29 03:06	0° mp	20 21 50	min. Earth dist.	13390 Jun 30 07:23	17° <b>©</b> 02'16	0.67703 AU
morning set	13389 Sep 13 18:44	26° m/40'53		morning rise	13390 Jul 04 14:13	12°904'56	
S	13389 Sep 15 12:51	0∘ <u>⊽</u>		direct	13390 Jul 10 09:28	9° <b>©</b> 31'52	
max. Earth dist.	13389 Sep 17 16:17	4° <b>≏</b> 08'47	1.34734 AU	desc. node	13390 Jul 14 22:01	10°9547'15	
asc. node	13389 Sep 20 23:29	10° <b>≏</b> 43'22		morning max el	13390 Jul 22 07:01	16° <b>©</b> 39'44	25°01'59
	-			-	13390 Aug 02 08:53	$0^{\circ}\Omega$	
superior conj	13389 Sep 22 20:16	14° <b>≙</b> 32'07	0°17'35		13390 Aug 22 02:04	0° <b>m</b> )	
minimum elong	13389 Sep 22 19:18	14° <b>≏</b> 27'10	0°17'32	morning set	13390 Aug 27 03:55	8° <b>m</b> 47'17	
evening rise	13389 Sep 30 09:04	0°M16'56		max. Earth dist.	13390 Aug 30 17:48	15°M) 16'21	1.36819 AU
	13389 Sep 30 05:49	$0^{\circ}$ M					
	13389 Oct 17 20:40	0° <b>∡</b> ¹		superior conj	13390 Sep 06 08:00	27° <b>m</b> 51'17	-0°14'02
evening max el	13389 Oct 19 08:43	1° <b>∡</b> °35′01	20°51'57	minimum elong	13390 Sep 06 08:54	27° <b>m</b> 55'44	0°14'00
desc. node	13389 Oct 23 20:55	5° <b>∡</b> 11'47 −		behind sun begin	13390 Sep 06 05:38	27° <b>m</b> 39'39	
retrograde	13389 Oct 30 21:09	7° <b>∡</b> 18'31		behind sun end	13390 Sep 06 12:10	28° m, 11'50	
evening set	13389 Nov 02 07:08	7° <b>∡</b> 04'30		_	13390 Sep 07 10:03	0∘ <b>ত</b>	
inferior conj	13389 Nov 11 06:28	3° <b>∡</b> 10'33		asc. node	13390 Sep 07 20:04	0° <b>2</b> 49'51	
minimum elong	13389 Nov 10 20:58	3° <b>∡</b> 724'05		evening rise	13390 Sep 14 14:00	14° <b>£</b> 27'02	
min. Earth dist.	13389 Nov 12 03:20	2° <b>∡</b> 740'49	0.54562 AU		13390 Sep 22 16:35	0°M	10027145
	13389 Nov 17 09:51	30°Rጤ 29°ጤ16'40		evening max el desc. node	13390 Oct 01 17:31 13390 Oct 10 18:20	12°M39'07 17°M32'57	19°37'45
morning rise direct	13389 Nov 19 10:59	29 IL 10 40 28°M 38'35				17 1163237 17°M635'01	
direct	13389 Nov 23 16:12 13389 Nov 29 16:23	20 1163033 0° <b>√</b> 1		retrograde evening set	13390 Oct 11 14:30 13390 Oct 13 11:48	17 11633 01 17°11624'59	
morning max el	13389 Dec 06 18:35	4° <b>∡</b> 758'48	23°07'48	inferior conj	13390 Oct 13 11:48	13°M20'55	_3°31'55
asc. node	13389 Dec 00 18:33 13389 Dec 18 00:27	19° <b>×</b> <sup>7</sup> 29'47	23 0/40	minimum elong	13390 Oct 22 00:14 13390 Oct 21 21:21	13°MJ34'56	
300. 110 <b>u</b> c	13389 Dec 23 22:04	0°る		min. Earth dist.	13390 Oct 21 21:21 13390 Oct 24 12:26	11°M55'35	0.55343 AU
morning set	13389 Dec 29 19:06	11°る59'20		morning rise	13390 Oct 24 12:20 13390 Oct 30 05:02	9° <b>11</b> 00'08	
		/		direct	13390 Nov 04 07:03	8°ML02'42	
superior conj	13390 Jan 05 17:15	26° <b>る</b> 55'35	1°33'20	morning max el	13390 Nov 18 04:30	14°ML58'34	24°56'05
minimum elong	13390 Jan 05 18:37	27° <b>る</b> 02'59	1°34'13	5	13390 Nov 30 01:56	0° <b>∡</b> ¹	•
5	13390 Jan 07 03:44	0° <b>≈</b>		asc. node	13390 Dec 04 21:27	8° <b>∡</b> 04'00	
max. Earth dist.	13390 Jan 08 20:51	3° <b>≈</b> 37'03	1.33393 AU	morning set	13390 Dec 14 06:58	26° <b>∡</b> °43′02	
evening rise	13390 Jan 13 13:58	13° <b>≈</b> 13'21		-	13390 Dec 15 19:23	ರ∘ರ	

Flanetary Fliend	omena of Mercury	110111 13100	unough 1300	72 (O I ), Astrourer	ISt AU 16-170-2023	14.22,	page 137
superior conj	13390 Dec 21 01:42	11° <b>る</b> 34'54	1°38'01	minimum elong	13391 Dec 05 11:54	26° <b>∡</b> 13'43	1°37'38
minimum elong	13390 Dec 21 01:59	11° <b>る</b> 36'27	1°39'03	max. Earth dist.	13391 Dec 06 04:40	27°× <b>7</b> '47'03	1.31424 AU
max. Earth dist.	13390 Dec 22 22:13	15° <b>る</b> 38'38	1.32160 AU	man. Darvir dige.	13391 Dec 07 04:35	0°ਰ	1.51 .2
evening rise	13390 Dec 28 08:41	27° <b>る</b> 10'24		evening rise	13391 Dec 12 10:41	11° <b>ට</b> 24'31	
<i>8</i> 11	13390 Dec 29 18:04	0° <b>≈</b>		<i>y</i>	13391 Dec 21 22:56	0° <b>≈</b>	
desc. node	13391 Jan 06 16:33	14° <b>≈</b> 59'06		desc. node	13391 Dec 24 13:24	4° <b>≈</b> 32'21	
	13391 Jan 15 22:50	0° <b>)</b> €			13392 Jan 12 09:24	0° <b>)</b> €	
evening max el	13391 Jan 30 12:39	18° <b>¥</b> 00'06	27°33'35	evening max el	13392 Jan 12 19:39	0° <b>)</b> 24'32	27°16'53
retrograde	13391 Feb 13 08:38	25° <b>)</b> 24'37		retrograde	13392 Jan 26 18:44	7° <b>)</b> 41′22	
evening set	13391 Feb 20 06:22	23° <b>)</b> €01'56		evening set	13392 Feb 02 15:04	5° <b>)</b> 35′24	
min. Earth dist.	13391 Feb 24 00:31	19° <b>)</b> 54′54	0.62919 AU	min. Earth dist.	13392 Feb 06 10:12	2° <b>)</b> 49′17	0.60782 AU
inferior conj	13391 Feb 26 21:02	17° <b>)</b> €07'13	-1°16'47	inferior conj	13392 Feb 09 13:36	0° <b>)</b> 06'44	-2°36'53
minimum elong	13391 Feb 26 23:35	17° <b>)</b> €00'57	1°15'24	minimum elong	13392 Feb 09 19:12	29° <b>≈</b> 54'37	2°34'08
asc. node	13391 Mar 02 19:13	13° <b>)</b> ₹37′22			13392 Feb 09 16:42	30° <b>R</b> ≈	
morning rise	13391 Mar 05 19:23	11° <b>¥</b> 56′07		morning rise	13392 Feb 17 02:26	25° <b>≈</b> 14'30	
direct	13391 Mar 08 03:02	11° <b>∺</b> 30'47		asc. node	13392 Feb 17 16:38	25° <b>≈</b> 05'51	
morning max el	13391 Mar 14 16:55	14° <b>¥</b> 52′00	17°46'22	direct	13392 Feb 19 04:48	24° <b>≈</b> 56'31	
	13391 Mar 25 07:31	$0^{\circ}$ Y		morning max el	13392 Feb 26 08:39	28° <b>≈</b> 32'02	17°56'01
morning set	13391 Mar 30 20:04	9° <b>Ƴ</b> 31'47			13392 Feb 27 17:48	0° <b>∀</b>	
desc. node	13391 Apr 04 18:34	18° <b>Ƴ</b> 04'49		morning set	13392 Mar 12 22:43	22° <b>¥</b> 57'48	
					13392 Mar 16 19:20	0° <b>Υ</b>	
superior conj	13391 Apr 11 22:40	0° <b>8</b> 10'32		desc. node	13392 Mar 21 15:04	8° <b>Ƴ</b> 37'56	
minimum elong	13391 Apr 11 17:18	29° <b>Y</b> ′48′17	0°53'29				
	13391 Apr 11 20:07	0° <b>8</b>		superior conj	13392 Mar 23 09:49	11° <b>Y</b> 45'11	
max. Earth dist.	13391 Apr 18 07:46	10° <b>8</b> 32'45	1.44387 AU	minimum elong	13392 Mar 23 08:36	11° <b>Y</b> ′39'49	0°13'58
evening rise	13391 Apr 26 22:58	24° <b>8</b> 04'45		behind sun begin	13392 Mar 23 04:36	11° <b>Y</b> ′22'23	
	13391 Apr 30 19:59	0°II		behind sun end	13392 Mar 23 12:36	11° <b>Υ</b> 57'14	
	13391 May 21 21:18	0.22 0.22	2005.412.0	max. Earth dist.	13392 Mar 30 21:16	24° <b>Y</b> °24'49	1.42718 AU
evening max el	13391 May 26 15:38	5° <b>©</b> 25'07	20°54'20		13392 Apr 03 07:40	0°8	
asc. node	13391 May 29 16:11	8°505'48		evening rise	13392 Apr 05 21:28	4° <b>8</b> 06'20	
retrograde	13391 Jun 04 01:33	10°518'15			13392 Apr 23 04:13	0°Ⅱ 19°Ⅱ14'24	22010100
evening set	13391 Jun 08 07:17	8° <b>©</b> 37'09 2° <b>©</b> 27'07	3°10'57	evening max el asc. node	13392 May 08 10:16	19°Щ14°24 24°Щ24'18	22-10-00
inferior conj minimum elong	13391 Jun 13 13:18	2 \$\frac{9}{2}707 2°\$\frac{9}{2}8'56	3°09'53		13392 May 15 13:20	24° <b>I</b> I51'07	
min. Earth dist.	13391 Jun 13 12:46 13391 Jun 14 01:04	2 \$28.36 1°\$46'19	0.68540 AU	retrograde evening set	13392 May 17 23:19 13392 May 22 15:57	24 <b>II</b> 51 07 22° <b>II</b> 54'23	
iiiii. Eartii dist.	13391 Jun 15 08:19	1 <b>3</b> 40 19	0.06540 AU	inferior conj	13392 May 27 22:40	16° <b>∏</b> 34'32	2°50'30
morning rise	13391 Jun 18 18:01	26° <b>∏</b> 08'11		minimum elong	13392 May 27 22:40 13392 May 27 21:17	16° <b>Ⅱ</b> 34'32	
direct	13391 Jun 24 01:06	23° <b>I</b> I48'48		min. Earth dist.	13392 May 27 21:17	16° <b>Ⅱ</b> 39'02	
desc. node	13391 Jul 01 19:14	27° <b>I</b> I28'26		morning rise	13392 Jun 02 02:26	10° <b>Ⅲ</b> 21'35	0.00701 AC
morning max el	13391 Jul 04 17:26	0°9511'14	23°33'15	direct	13392 Jun 06 20:46	8° <b>Ц</b> 20'26	
morning man er	13391 Jul 04 12:58	0°95	20 00 10	morning max el	13392 Jun 16 05:58	13° <b>∏</b> 50'32	22°04'45
	13391 Jul 27 04:56	0°N		desc. node	13392 Jun 17 16:20	15° <b>I</b> I20'07	22 0
morning set	13391 Aug 08 16:18	19° <b>Ω</b> 57'38			13392 Jun 29 05:29	0°ಅ	
max. Earth dist.	13391 Aug 12 15:25	26° <b>Ω</b> 45'41	1.39141 AU	morning set	13392 Jul 19 04:04	0° <b>Ω</b> 02'52	
	13391 Aug 14 11:33	0° m)		. <i>8</i>	13392 Jul 19 03:21	0°N	
	· ·	•		max. Earth dist.	13392 Jul 24 15:50		1.41443 AU
superior conj	13391 Aug 20 06:07	10°Mp31'18	-0°48'34				
minimum elong	13391 Aug 20 09:38	10° mp 47'42	0°48'24	superior conj	13392 Aug 01 10:23	22° <b>Ω</b> 23'00	-1°23'07
asc. node	13391 Aug 25 16:39	20° m 52'50		minimum elong	13392 Aug 01 16:33	22° <b>Q</b> 50′18	1°22'59
evening rise	13391 Aug 29 11:56	28° Mp 16'17			13392 Aug 05 16:21	0° <b>m</b>	
	13391 Aug 30 09:19	0∘ <b>ত</b>		evening rise	13392 Aug 11 23:25	11° Mp 36'02	
evening max el	13391 Sep 14 15:35	24° <b>≙</b> 31'46	18°45'27	asc. node	13392 Aug 11 13:15	$10^{\circ}$ Mp $48'52$	
retrograde	13391 Sep 23 00:09	28° <b>≏</b> 43'50			13392 Aug 22 10:42	0∘ <b>亚</b>	
evening set	13391 Sep 24 21:49	28° <b>≏</b> 31'33		evening max el	13392 Aug 27 23:10	7° <b>≏</b> 05'56	18°14'18
desc. node	13391 Sep 27 15:49	27° <b>≏</b> 34'09		retrograde	13392 Sep 04 04:51	10° <b>≏</b> 46′22	
inferior conj	13391 Oct 03 00:51	24° <b>≏</b> 09'24	-1°42'17	evening set	13392 Sep 06 08:50	10° <b>≏</b> 27'15	
minimum elong	13391 Oct 02 20:37	24° <b>₽</b> 17'09	1°40'16	inferior conj	13392 Sep 13 17:17	5° <b>≏</b> 44'11	
min. Earth dist.	13391 Oct 06 02:58	21° <b>≏</b> 54'29	0.56920 AU	minimum elong	13392 Sep 13 17:11	5° <b>≏</b> 44'25	0°03'02
morning rise	13391 Oct 10 16:03	19° <b>≙</b> 11'26		transit middle	13392 Sep 13 17:11	5° <b>≏</b> 44'25	0°03'02
direct	13391 Oct 16 12:06	17° <b>≏</b> 48'30		transit begin	13392 Sep 13 13:48	5° <b>≏</b> 51'38	
morning max el	13391 Oct 30 18:03	25° <b>≙</b> 12'51	26°29'39	transit end	13392 Sep 13 20:34	5° <b>≙</b> 37'10	
	13391 Nov 04 05:08	0° <b>M</b>		desc. node	13392 Sep 13 13:20	5° <b>≏</b> 52'36	
asc. node	13391 Nov 21 18:21	27°M10'29		min. Earth dist.	13392 Sep 17 00:43	2° <b>2</b> 55'36	0.59013 AU
	13391 Nov 23 05:26	0° <b>√</b>		morning rise	13392 Sep 20 22:05	0° <b>2</b> 11'22	
morning set	13391 Nov 28 17:24	11° <b>∡</b> 18'37			13392 Sep 21 06:16	30°R, Mp	
	12201 5 05 15 11	260 31000	102722	direct	13392 Sep 27 07:12	28° m/20'44	
superior conj	13391 Dec 05 12:41	26° <b>∡</b> 18′04	1~30'38		13392 Oct 03 13:57	0∘ <b>⊽</b>	

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morning max el	13392 Oct 11 14:53	6° <b>ჲ</b> 05'18	27°32'53		13393 Oct 04 00:51	0∘ <b>ত</b>	
5 5	13392 Oct 29 11:16	0°M₊			13393 Oct 22 05:21	0° <b>M</b>	
asc. node	13392 Nov 07 15:09	16° <b>™</b> 40'41		asc. node	13393 Oct 25 11:52	6° <b>M</b> 27′21	
morning set	13392 Nov 12 00:43	25°M41'50		morning set	13393 Oct 27 02:59	9° <b>M</b> 47'31	
	13392 Nov 14 00:53	0° <b>∡</b> ″		max. Earth dist.	13393 Nov 01 19:44	21°M59'06	1.31510 AU
max. Earth dist.	13392 Nov 18 13:05	9° <b>∡</b> ¹57'05	1.31207 AU				
				superior conj	13393 Nov 03 10:42	25°M34'00	1°16'27
superior conj	13392 Nov 19 00:18	10° <b>₹</b> 59'40	1°29'24	minimum elong	13393 Nov 03 08:31	25°M21'56	1°16'57
minimum elong	13392 Nov 18 22:39	10° <b>∡</b> 50′28	1°30'12		13393 Nov 05 10:39	0° <b>∡</b> ¹	
evening rise	13392 Nov 25 17:44	25° <b>₹</b> 50′12		evening rise	13393 Nov 10 03:47	10° <b>∡</b> ′21'49	
	13392 Nov 27 16:55	0°ප			13393 Nov 20 00:52	0°ಕ	
desc. node	13392 Dec 10 10:23	23° <b>る</b> 31'14		desc. node	13393 Nov 27 07:30	11° <b>ප්</b> 42'41	
	13392 Dec 14 17:46	0° <b>≈</b>		evening max el	13393 Dec 06 11:45	22° <b>る</b> 43'19	25°03'37
evening max el	13392 Dec 24 19:53	11° <b>≈</b> 59'42	26°25'31	retrograde	13393 Dec 20 07:02	29° <b>පි</b> 38'14	
retrograde	13393 Jan 07 18:52	19°≈05'56		evening set	13393 Dec 25 22:50	28°る26'29	0.50000 177
evening set	13393 Jan 14 05:57	17°≈24'35	0.50610.441	min. Earth dist.	13393 Dec 30 23:44	25°る43'40	
min. Earth dist.	13393 Jan 18 09:34		0.58619 AU	inferior conj	13394 Jan 02 15:34	23° <b>る</b> 59'51	
inferior conj	13393 Jan 21 12:43	12°≈27'09		minimum elong	13394 Jan 02 23:44	23°る46'31 19°る50'42	5°10'18
minimum elong	13393 Jan 21 21:01	12°≈11'34 7°≈56'02	3-30-33	morning rise direct	13394 Jan 11 02:55	19° <b>ろ</b> 30'42	
morning rise direct	13393 Jan 29 15:03 13393 Jan 31 16:03	7 ≈30 02 7°≈41'42		asc. node	13394 Jan 13 09:03 13394 Jan 21 11:22	19 <b>3</b> 5811 22° <b>る</b> 58'24	
asc. node	13393 Feb 03 14:02	8°≈12'28		morning max el	13394 Jan 22 18:44		19°16'31
morning max el	13393 Feb 03 14:02 13393 Feb 08 18:35	11°≈41'26	18°25'23	morning max ci	13394 Jan 27 15:31	0°≈	19 1031
morning max cr	13393 Feb 20 21:55	0° <b>∀</b>	10 23 23	morning set	13394 Feb 08 15:58	0 <b>∞</b> 21° <b>≈</b> 25'51	
morning set	13393 Feb 24 14:46	6°¥59'56		morning sec	13394 Feb 12 23:01	0° <b>∀</b>	
morning sec	100,0100 21 10	0 7(0) 00			1557.1100 12 25.01	٠,٨	
superior conj	13393 Mar 05 18:40	24° <b>)</b> 19'11	0°21'36	superior conj	13394 Feb 16 20:46	7° <b>)</b> 40′37	0°50'45
minimum elong	13393 Mar 05 20:11	24° <b>)</b> 26'10	0°21'34	minimum elong	13394 Feb 16 23:26	7° <b>)</b> 53'31	0°50'50
desc. node	13393 Mar 08 11:33	29° <b>)</b> 13′59		desc. node	13394 Feb 23 08:05	19° <b>)</b> 49'46	
	13393 Mar 08 21:50	$0^{\circ}$ $\Upsilon$		max. Earth dist.	13394 Feb 23 13:16	20° <b>)</b> 13′14	1.38396 AU
max. Earth dist.	13393 Mar 13 06:32	7° <b>Y</b> ′38'57	1.40646 AU	evening rise	13394 Feb 27 06:57	26° <b>¥</b> 51'10	
evening rise	13393 Mar 17 15:37	15° <b>Y</b> ′01'20			13394 Mar 01 02:50	$0^{\circ}$ Y	
	13393 Mar 27 02:20	$0^{\circ}$ 8			13394 Mar 20 14:58	$0^{\circ}$ 8	
	13393 Apr 18 03:31	$\Pi$ °0		evening max el	13394 Apr 03 15:07	16° <b>8</b> 58'27	24°50'01
evening max el	13393 Apr 21 01:26	3° <b>Ⅱ</b> 05'31	23°30'43	retrograde	13394 Apr 15 09:45	23° <b>8</b> 50'18	
retrograde	13393 May 01 18:24	9° <b>Ⅱ</b> 23'32		asc. node	13394 Apr 19 07:59	22° <b>8</b> 43'06	
asc. node	13393 May 02 10:37	9° <b>Ⅱ</b> 21'28		evening set	13394 Apr 21 01:42	21° <b>8</b> 27'53	
evening set	13393 May 06 22:36	7° <b>Ⅱ</b> 12'40		min. Earth dist.	13394 Apr 25 13:04	_	0.68232 AU
inferior conj	13393 May 12 08:02	0° <b>∏</b> 45'45		inferior conj	13394 Apr 26 15:34	14° <b>8</b> 57'29	
minimum elong	13393 May 12 06:04	0° <b>Ⅱ</b> 52'30		minimum elong	13394 Apr 26 13:24	15° <b>8</b> 04'38	2°04'35
min. Earth dist.	13393 May 11 18:04		0.68795 AU	morning rise	13394 May 02 01:22	9° <b>8</b> 00'38	
	13393 May 12 21:23	30° <b>₹8</b>		direct	13394 May 05 18:54	7° <b>8</b> 40'49	10026106
morning rise	13393 May 17 13:30	24° <b>8</b> 40'15		morning max el	13394 May 13 01:13	11° <b>8</b> 41'42	19°36'06
direct	13393 May 21 19:10	22° <b>8</b> 59'38 27° <b>8</b> 40'03	20044/01	desc. node	13394 May 22 10:10	23° <b>8</b> 23'12 28° <b>8</b> 07'09	-0.6m
morning max el	13393 May 29 23:51 13393 Jun 01 04:32	27 <b>3</b> 4003	20 44 01	greatest brilliancy	13394 May 25 16:58	28 <b>3</b> 0709 0° <b>Ⅱ</b>	-0.0111
desc. node	13393 Jun 04 13:18	0 П 4°П02'53		morning set	13394 May 26 23:38 13394 Jun 07 17:42	0 Ⅱ 17°Ⅱ47'20	
desc. node	13393 Jun 22 17:40	0°95		morning set	13394 Jun 15 14:54	0°95	
morning set	13393 Jun 28 16:17	9° <b>5</b> 06'55		max. Earth dist.	13394 Jun 19 13:04	6°909'49	1.44920 AU
max. Earth dist.	13393 Jul 06 23:07	22° <b>©</b> 13'34	1.43448 AU	man. Barar alov.	1557.0411 17 15.0.	0 00, .,	1,20110
man. Darvir alov.	13393 Jul 11 17:15	0°Ω	1.15 1.16 116	superior conj	13394 Jun 23 22:52	13°9510'36	-2°11'00
		. ••		minimum elong	13394 Jun 24 02:31	13° <b>©</b> 25'15	
superior conj	13393 Jul 13 16:29	3° <b>Ω</b> 16′35	-1°52'49	Č	13394 Jul 04 06:06	$0^{\circ}\Omega$	
minimum elong	13393 Jul 13 23:36	3° <b>Ω</b> 46′22	1°53'08	evening rise	13394 Jul 07 20:22	6° <b>Ω</b> 00'16	
evening rise	13393 Jul 25 19:54	24° <b>Ω</b> 14'31		asc. node	13394 Jul 16 06:40	20° <b>Ω</b> 01'25	
asc. node	13393 Jul 29 09:54	0°m/33'17			13394 Jul 22 23:24	0° <b>m</b> )	
	13393 Jul 29 02:19	0° m		evening max el	13394 Jul 26 02:23	3°M 36'14	18°10'11
evening max el	13393 Aug 11 12:00	20° <b>m</b> 10'28	18°02'54	retrograde	13394 Aug 01 10:56	6° <b>™</b> 57'09	
retrograde	13393 Aug 18 01:55	23° m 33'58		evening set	13394 Aug 04 07:11	6° Mp 14'14	
evening set	13393 Aug 20 13:52	23° Mp 04'20		inferior conj	13394 Aug 10 09:09	0° <b>m</b> 53'24	
inferior conj	13393 Aug 27 05:21	18° <b>m</b> 01'14		minimum elong	13394 Aug 10 11:39	0° Mp 46'26	2°09'12
minimum elong	13393 Aug 27 07:23	17° <b>m</b> 56'13	1°13'51		13394 Aug 11 04:17	30° <b>₹</b> Ω	
min. Earth dist.	13393 Aug 30 07:13	15° Mp 00'26	0.61301 AU	min. Earth dist.	13394 Aug 12 23:29	28°Ω01'08	0.63509 AU
desc. node	13393 Aug 31 10:52	13° <b>m</b> 57'40		morning rise	13394 Aug 16 14:22	24° <b>Ω</b> 38'03	
morning rise	13393 Sep 02 22:12	12° Mp 02'09		desc. node	13394 Aug 18 08:23	23° <b>Ω</b> 27'50	
direct	13393 Sep 09 13:44	9° Mp 47'07	27050107	direct	13394 Aug 23 05:56	22° <b>Ω</b> 05'47	27045111
morning max el	13393 Sep 23 18:51	17° <b>M</b> 44'17	2/-38:0/	morning max el	13394 Sep 06 03:50	0°Mp06'59	27°45'11

morning set	13394 Sep 06 01:02 13394 Sep 28 01:45 13394 Oct 10 21:55	0°M 0°Ω 23°Ω30'11		morning max el	13395 Aug 19 14:58 13395 Sep 02 06:58 13395 Sep 20 16:52	13° <b>Ω</b> 02'32 0° <b>m</b> 0° <b>⊆</b>	26°59'32
asc. node	13394 Oct 12 08:31	26° <b>≏</b> 25'11		morning set	13395 Sep 24 06:42	6° <b>≙</b> 43'15	
	13394 Oct 14 02:10	0° <b>M</b>		max. Earth dist.	13395 Sep 28 12:44	15° <b>≏</b> 06'31	1.33711 AU
max. Earth dist.	13394 Oct 15 20:46	3°M44'00	1.32345 AU	asc. node	13395 Sep 29 05:09	16° <b>≏</b> 29'48	
avnarior coni	13394 Oct 18 17:56	9°M55'38	0°57'52	aumorior aoni	13395 Oct 02 19:50	23° <b>ჲ</b> 59'06	0°33'48
superior conj minimum elong	13394 Oct 18 17:30 13394 Oct 18 15:42	9°M43'31	0°58'03	superior conj minimum elong	13395 Oct 02 19:30 13395 Oct 02 18:11	23° <b>⊆</b> 50′26	
evening rise	13394 Oct 25 14:59	24°M54'15	0 38 03	minimum clong	13395 Oct 02 15:11 13395 Oct 05 15:51	0°M₁	0 33 47
e vennig 1150	13394 Oct 28 00:42	0° <b>₹</b>		evening rise	13395 Oct 10 01:25	9°M22'44	
desc. node	13394 Nov 14 04:44	28° <b>∡</b> ′48′23		S	13395 Oct 20 18:02	0° <b>∡</b> ¹	
	13394 Nov 15 05:16	ರ∘ರ		evening max el	13395 Oct 30 10:49	12° <b>∡</b> 54'39	21°43'40
evening max el	13394 Nov 17 21:48	2° <b>る</b> 49'42	23°23'43	desc. node	13395 Nov 01 02:03	14° <b>∡</b> °25′02	
retrograde	13394 Dec 01 06:32	9° <b>ට</b> 28'41		retrograde	13395 Nov 11 19:52	19° <b>∡</b> ¹03'09	
evening set	13394 Dec 05 16:14	8° <b>る</b> 46'32		evening set	13395 Nov 14 20:07	18° <b>∡</b> ¹42'40	
min. Earth dist.	13394 Dec 12 07:49	5° <b>る</b> 38'14	0.55209 AU	inferior conj	13395 Nov 23 15:42	14° <b>∡</b> °48'36 −	
inferior conj	13394 Dec 13 22:17	4°る42'10		minimum elong	13395 Nov 23 09:20	14° 🗷 57'31	5°39'15
minimum elong	13394 Dec 14 00:45	4°る38'35	5°52'55	min. Earth dist.	13395 Nov 23 14:07	14° 🗷 50'49	0.54529 AU
morning rise direct	13394 Dec 22 10:57	0°る50'36 0°る31'26		morning rise direct	13395 Dec 01 23:30	11° <b>х</b> 00'50 10° <b>х</b> 31'24	
morning max el	13394 Dec 25 06:37 13395 Jan 05 05:32	5° <b>ろ</b> 45'23	20°30'47	morning max el	13395 Dec 05 15:35 13395 Dec 18 02:15	16° <b>x</b> <sup>7</sup> 29'03	22°06'13
asc. node	13395 Jan 08 08:38	9° <b>そ</b> 09'26	20 30 47	asc. node	13395 Dec 16 02:13 13395 Dec 26 05:48	26° <b>x</b> <sup>1</sup> 28'25	22 00 13
asc. node	13395 Jan 20 23:02	0°≈		asc. node	13395 Dec 28 11:48	0°중	
morning set	13395 Jan 23 23:01	6°≈05'03		morning set	13396 Jan 08 09:30	20°る50'32	
					13396 Jan 12 16:40	0° <b>≈</b>	
superior conj	13395 Jan 31 11:37	21° <b>≈</b> 36′08	1°12'46				
minimum elong	13395 Jan 31 14:16	21° <b>≈</b> 49'35	1°13'09	superior conj	13396 Jan 15 11:32	5° <b>≈</b> 55'21	1°27'44
	13395 Feb 04 16:53	0° <b>∀</b>		minimum elong	13396 Jan 15 13:29	6° <b>≈</b> 05'38	1°28'27
max. Earth dist.	13395 Feb 05 20:57	2° <b>)</b> 15′42	1.36213 AU	max. Earth dist.	13396 Jan 19 10:12	14° <b>≈</b> 06′25	1.34309 AU
evening rise	13395 Feb 09 17:03	9° <b>∺</b> 27'56		evening rise	13396 Jan 23 18:31	22° <b>≈</b> 43′04	
desc. node	13395 Feb 10 04:40	10° <b>¥</b> 20'58			13396 Jan 27 15:43	0° <b>∀</b>	
	13395 Feb 21 18:50	0° <b>Υ</b>		desc. node	13396 Jan 28 01:19	0° <b>)</b> 43′39	
	13395 Mar 16 08:54	0°8	2 < 0.0 0.15 7		13396 Feb 15 11:56	0° <b>Υ</b>	20050105
evening max el	13395 Mar 17 04:33	0° <b>8</b> 48'53	26°00'57	evening max el	13396 Feb 27 18:10	14° <b>Υ</b> 30'28 21° <b>Υ</b> 56'42	26°56'07
retrograde evening set	13395 Mar 29 20:26 13395 Apr 04 23:32	8° <b>と</b> 03'55 5° <b>と</b> 33'47		retrograde evening set	13396 Mar 12 01:32 13396 Mar 18 14:13	21° <b>γ</b> 3642 19° <b>γ</b> 24'17	
asc. node	13395 Apr 04 25:32	4° <b>8</b> 25'49		min. Earth dist.	13396 Mar 22 13:37	15° <b>Υ</b> 30'25	0.65820 AU
min. Earth dist.	13395 Apr 00 03:20	_	0.67229 AU	asc. node	13396 Mar 23 02:53	13 <b>γ</b> 50 23	0.03820 AC
mm. Earth dist.	13395 Apr 10 01:36	30°RY	0.07227710	inferior conj	13396 Mar 24 16:49	13° <b>Υ</b> '02'39	0°30'04
inferior conj	13395 Apr 10 19:14	29° <b>Y</b> ′04'43	1°23'27	minimum elong	13396 Mar 24 16:01	13° <b>Y</b> '04'58	0°29'37
minimum elong	13395 Apr 10 17:24	29° <b>Y</b> 10′26	1°22'26	morning rise	13396 Mar 30 19:12	7° <b>Ƴ</b> 27'34	
morning rise	13395 Apr 16 12:01	23° <b>Y</b> 17'53		direct	13396 Apr 02 15:29	6° <b>Ƴ</b> 43'25	
direct	13395 Apr 19 18:19	22° <b>Y</b> 17'18		morning max el	13396 Apr 09 00:17	10° <b>Ƴ</b> 03'57	18°07'44
morning max el	13395 Apr 26 09:58	25° <b>Y</b> ′51′43	18°43'37		13396 Apr 23 02:37	$0^{\circ}S$	
	13395 Apr 30 01:48	0°8		desc. node	13396 Apr 25 03:34	3° <b>8</b> 17'15	
desc. node	13395 May 09 06:55	13° <b>8</b> 10'25		morning set	13396 Apr 27 19:39	7° <b>8</b> 36'16	
morning set	13395 May 18 05:41	27° <b>8</b> 03'09			13396 May 11 20:25	$\Pi$ $^{\circ}$ 0	
Earth diet	13395 May 20 03:00	0°Ⅱ 20°Ⅱ22107	1 45712 ATT		12206 M 12 10-20	10П20126	1051107
max. Earth dist.	13395 Jun 02 07:08	20° <b>Ⅱ</b> 33'07	1.45712 AU	superior conj minimum elong	13396 May 12 19:29 13396 May 12 10:33	1° <b>П</b> 30'36 0° <b>П</b> 55'31	
superior conj	13395 Jun 03 10:56	22° <b>Ⅱ</b> 21'47	-2°11'04	max. Earth dist.	13396 May 12 10.33 13396 May 15 02:47	5° <b>Д</b> 07'08	1.45766 AU
minimum elong	13395 Jun 03 07:03	22° <b>I</b> 106'37		evening rise	13396 May 28 21:49	26° <b>Ⅱ</b> 33'03	1.43700 AC
minimum crong	13395 Jun 08 07:45	0°95	2 113,	evening rise	13396 May 31 03:18	0°9	
evening rise	13395 Jun 18 20:42	16°9544'27		greatest brilliancy	13396 Jun 10 02:00	15°513'37	-0.7m
greatest brilliancy	13395 Jun 25 11:02	27° <b>©</b> 17'47	-0.9m	asc. node	13396 Jun 19 00:27	27°5940'58	
	13395 Jun 27 03:59	$0^{\circ}\Omega$			13396 Jun 21 00:34	$0^{\circ}\Omega$	
asc. node	13395 Jul 03 03:31	9° <b>Ω</b> 06'48		evening max el	13396 Jun 22 00:01	1° <b>Q</b> 01'03	19°17'47
evening max el	13395 Jul 09 15:12	17° <b>Ω</b> 15'19	18°35'28	retrograde	13396 Jun 29 00:33	4° <b>Ω</b> 56′03	
retrograde	13395 Jul 16 03:36	20° <b>Ω</b> 47′02		evening set	13396 Jul 02 14:33	3° <b>Ω</b> 41'24	
evening set	13395 Jul 19 08:27	19° <b>Ω</b> 48'52			13396 Jul 06 08:02	30°R∽	
inferior conj	13395 Jul 25 00:41	14° <b>Ω</b> 12'32	2°46'31	inferior conj	13396 Jul 08 00:30	27°951'02	3°06'21
minimum elong	13395 Jul 25 02:42	14° <b>Ω</b> 06'22	2°45'20	minimum elong	13396 Jul 08 01:35	27°547'30	3°05'17
min. Earth dist.	13395 Jul 27 01:02	11°Ω45'28	0.65446 AU	min. Earth dist.	13396 Jul 09 10:19	26°900'45	0.67004 AU
morning rise desc. node	13395 Jul 30 19:54	7° <b>Ω</b> 49'36 5° <b>Ω</b> 13'15		morning rise direct	13396 Jul 13 12:02	21° <b>©</b> 26'55 18° <b>©</b> 48'32	
desc. node	13395 Aug 05 05:49 13395 Aug 06 06:23	5°Ω09'28		desc. node	13396 Jul 19 13:42 13396 Jul 22 03:11	18°9948'32 19°9912'45	
ancei	13373 Aug 00 00.23	J 0607 40		dese. Houe	15570 Jul 22 05.11	17 -21243	

•	2		Č	. ,,		•	
morning max el	13396 Aug 01 01:50	26° <b>©</b> 17'35	25°49'29	direct	13397 Jul 03 02:37	2° <b>©</b> 54'35	
morning mun vi	13396 Aug 04 11:57	0°Ω	20 ., 2,	desc. node	13397 Jul 09 00:26	5°903'00	
	13396 Aug 25 20:37	0° m)		morning max el	13397 Jul 14 11:57	9°5544'04	24°24'47
morning set	13396 Sep 06 01:40	19° <b>m</b> ) 16'51		morning mun vi	13397 Jul 30 12:48	0°Ω	2.2
max. Earth dist.	13396 Sep 09 18:23	26° m) 11'46	1.35570 AU		13397 Aug 18 12:31	0° m)	
max. Dartii dist.	13396 Sep 11 17:41	0∘ <b>⊽</b>	1.55570110	morning set	13397 Aug 19 02:31	1° Mp 00'40	
asc. node	13396 Sep 15 01:42	6° <b>₽</b> 36'37		max. Earth dist.	13397 Aug 22 17:16	-	1.37793 AU
superior conj	13396 Sep 15 13:37	7° <b>Ω</b> 36'44	0°04'42	superior conj	13397 Aug 29 20:03	20° <b>m</b> 40'47	-0°28'26
minimum elong	13396 Sep 15 13:20	7° <b>Ω</b> 35'19	0°04'40	minimum elong	13397 Aug 29 22:00	20° m 50'07	0°28'20
behind sun begin	13396 Sep 15 07:25	7° <b>ჲ</b> 05'26		asc. node	13397 Sep 01 22:16	26° m) 42'21	
behind sun end	13396 Sep 15 19:15	8° <b>ჲ</b> 05'15			13397 Sep 03 14:15	0∘ <del>⊽</del>	
evening rise	13396 Sep 23 08:59	23° <b>≏</b> 41'03		evening rise	13397 Sep 07 11:17	7° <b>Ω</b> 43'15	
	13396 Sep 26 11:34	0° <b>M</b>		_	13397 Sep 19 23:26	0° <b>M</b> .	
evening max el	13396 Oct 11 11:27	23°M32'16	20°17'52	evening max el	13397 Sep 24 02:18	4° <b>™</b> 57'46	19°12'51
desc. node	13396 Oct 17 23:27	28°M04'34		retrograde	13397 Oct 03 06:32	9°M33'26	
retrograde	13396 Oct 22 07:26	28°M55'24		desc. node	13397 Oct 04 20:53	9°M25'39	
evening set	13396 Oct 24 09:55	28°M44'08		evening set	13397 Oct 05 03:08	9°M22'56	
inferior conj	13396 Nov 02 08:58	24°M47'42	-4°30'15	inferior conj	13397 Oct 13 15:50	5°M11'51	-2°45'24
minimum elong	13396 Nov 01 22:52	25°M02'34	4°26'37	minimum elong	13397 Oct 13 08:45	5°M23'41	2°42'14
min. Earth dist.	13396 Nov 03 21:31	23°M53'50	0.54787 AU	min. Earth dist.	13397 Oct 16 08:24	3°M24'15	0.55940 AU
morning rise	13396 Nov 10 11:04	20°M44'10		morning rise	13397 Oct 21 11:49	0°M36'06	
direct	13396 Nov 15 01:30	19°M58'23			13397 Oct 23 05:40	30° <b>Ŗ<u>Ω</u></b>	
morning max el	13396 Nov 28 13:25	26°M35'11	23°54'16	direct	13397 Oct 26 22:15	29° <b>≏</b> 28'20	
	13396 Dec 01 20:00	0° <b>∡</b>			13397 Oct 30 14:48	$0^{\circ}$ M	
asc. node	13396 Dec 12 02:51	14° <b>∡</b> ³38'54		morning max el	13397 Nov 09 23:51	6°M36'28	25°38'38
	13396 Dec 20 05:27	0°ಕ			13397 Nov 27 01:33	0° <b>∡</b>	
morning set	13396 Dec 22 21:20	5° <b>පි</b> 36'02		asc. node	13397 Nov 28 23:48	3° <b>≯</b> 28'12	
				morning set	13397 Dec 07 08:47	20° <b>∡</b> 16'50	
superior conj	13396 Dec 29 17:34	20° <b>る</b> 29'13			13397 Dec 11 19:17	0°ಕ	
minimum elong	13396 Dec 29 18:29		1°37'02			_	
max. Earth dist.	13397 Jan 01 07:19	26° <b>පි</b> 01'58	1.32814 AU	superior conj	13397 Dec 14 03:19	5° <b>る</b> 10'47	
	13397 Jan 03 04:21	0° <b>≈</b>		minimum elong	13397 Dec 14 03:08	5° <b>⋜</b> 09'46	1°39'11
evening rise	13397 Jan 06 07:49	6°≈27'12		max. Earth dist.	13397 Dec 15 11:22	8° <b>る</b> 07'55	1.31794 AU
desc. node	13397 Jan 13 22:02	20°≈52'37		evening rise	13397 Dec 21 05:57	20° <b>පි</b> 32'34	
	13397 Jan 19 05:57	0° <b>)</b> {	2502011.5		13397 Dec 25 23:02	0°≈	
evening max el	13397 Feb 09 07:07	27° <b>)</b> €53'08	27°28'15	desc. node	13397 Dec 31 18:51	10°≈41'27	
	13397 Feb 11 15:23	0°Υ 5° <b>Ω</b> 10150			13398 Jan 13 09:01	0° <b>)</b> {	27020142
retrograde	13397 Feb 23 00:02	5°Υ19'59 2°Υ51'56		evening max el	13398 Jan 22 17:12	10° <b>)</b> 43′10	27°30′43
evening set	13397 Mar 01 19:31			retrograde	13398 Feb 05 14:42	18° <b>¥</b> 03'55	
i. Davida diat	13397 Mar 05 02:39 13397 Mar 05 15:05	30° <b>₹</b> ₩	0.64050 ATT	evening set	13398 Feb 12 12:40	15° <b>)</b> 47'39 12° <b>)</b> 50'29	0.62020 ATT
min. Earth dist. inferior conj	13397 Mar 03 15:05 13397 Mar 08 05:41	29°\(\frac{1}{28}\)'54 26°\(\frac{1}{45}\)'10		min. Earth dist. inferior conj	13398 Feb 16 06:47 13398 Feb 19 06:42	12° <b>X</b> 30′29 10° <b>X</b> 03′26	0.62028 AU
minimum elong	13397 Mar 08 05:41	26°\(\frac{43}{10}\)		minimum elong	13398 Feb 19 10:30	9° <b>H</b> 54'34	
asc. node	13397 Mar 10 00:20	24° <b>H</b> 56'18	0 3401	asc. node	13398 Feb 19 10.30 13398 Feb 24 21:46	5° <b>)</b> 39'42	1 4/ 34
morning rise	13397 Mar 14 20:08	21° <b>H</b> 24'12		morning rise	13398 Feb 26 11:07	4° <b>)</b> 59'43	
direct	13397 Mar 17 07:54	20°\(\frac{7}{53'00}\)		direct	13398 Feb 28 16:17	4° <b>)</b> (3943	
morning max el	13397 Mar 23 17:38	24° <b>)</b> 11'02	17°49'04	morning max el	13398 Mar 07 10:55	8° <b>₩</b> 03'47	17°48'09
morning max ci	13397 Mar 28 12:10	0°Υ	17 47 04	morning max cr	13398 Mar 21 20:25	0° <b>Υ</b>	17 4007
morning set	13397 Apr 09 13:36	19° <b>Υ</b> 31'02		morning set	13398 Mar 23 06:09	2° <b>Υ</b> 29'42	
desc. node	13397 Apr 12 00:10	23° <b>Υ</b> 38'19		desc. node	13398 Mar 29 20:42	14°Υ08'26	
dese. Hode	13397 Apr 15 19:19	0°8		desc. node	13370 11141 27 20.12	11 1 00 20	
	15557 Hpt 15 15.15	ů O		superior conj	13398 Apr 03 14:57	22° <b>Y</b> 17'59	-0°36'42
superior conj	13397 Apr 22 17:40	11° <b>8</b> 21'37	-1°16'41	minimum elong	13398 Apr 03 11:26	22°Υ'03'07	
minimum elong	13397 Apr 22 09:57	10° <b>8</b> 50'28		mmmam trong	13398 Apr 08 05:59	0°8	0 30 20
max. Earth dist.	13397 Apr 27 22:08	19° <b>8</b> 38'40		max. Earth dist.	13398 Apr 10 14:53	3° <b>8</b> 51'41	1.43744 AU
	13397 May 04 13:08	0°II		evening rise	13398 Apr 18 00:34	15° <b>8</b> 35'17	
evening rise	13397 May 08 09:50	5° <b>П</b> 56'39		<i>3</i>	13398 Apr 27 12:31	0°Ⅱ	
<b>3</b>	13397 May 24 12:33	0ಂತಾ		evening max el	13398 May 19 00:55	28° <b>Ⅱ</b> 38'31	21°25'33
evening max el	13397 Jun 05 03:23	14° <b>©</b> 49'43	20°15'24	5	13398 May 20 11:00	0.ಣ	
asc. node	13397 Jun 05 21:29	15° <b>©</b> 33'44		asc. node	13398 May 23 18:36	2° <b>©</b> 31'10	
retrograde	13397 Jun 12 23:16	19° <b>©</b> 18'50		retrograde	13398 May 27 21:49	3° <b>5</b> 49'30	
evening set	13397 Jun 16 23:07	17° <b>©</b> 47'16		evening set	13398 Jun 01 08:13	2° <b>©</b> 01'25	
inferior conj	13397 Jun 22 05:48	11° <b>©</b> 44'08	3°12'39	<b>5</b> ·	13398 Jun 03 09:01	30°RⅡ	
minimum elong	13397 Jun 22 05:51	11° <b>©</b> 44'00	3°11'37	inferior conj	13398 Jun 06 14:15	25° <b>Ⅱ</b> 47'00	3°07'20
min. Earth dist.	13397 Jun 23 01:26	10° <b>©</b> 37'11	0.68117 AU	minimum elong	13398 Jun 06 13:20	25° <b>Ⅱ</b> 50'11	3°06'14
morning rise	13397 Jun 27 12:16	5°\$22'46		min. Earth dist.	13398 Jun 06 20:21	25° <b>Ⅱ</b> 25'47	0.68756 AU
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13399 May 21 23:52

inferior conj

9°**I**56'34 2°51'28

13400 May 01 14:17

30°₽**୪** 

min. Earth dist.	13400 May 05 13:24	25° <b>8</b> 14'30	0.68608 AU	minimum elong	13401 Apr 20 12:49	8° <b>8</b> 26'23	1°48'00
inferior conj	13400 May 06 08:44	24° <b>8</b> 08'55	2°25'29	morning rise	13401 Apr 26 03:19	2° <b>8</b> 26'32	
minimum elong	13400 May 06 06:38	24° <b>8</b> 16'02	2°24'12	direct	13401 Apr 29 15:57	1° <b>8</b> 15'05	
morning rise	13400 May 11 15:42	18° <b>8</b> 06'49		morning max el	13401 May 06 15:03	5° <b>8</b> 03'17	19°11'39
direct	13400 May 15 16:01	16° <b>8</b> 35'16		desc. node	13401 May 17 12:27	19° <b>8</b> 05'51	
morning max el	13400 May 23 10:31	20° <b>8</b> 57'53	20°13'16	greatest brilliancy	13401 May 19 12:42	22° <b>8</b> 04'12	-0.7m
desc. node	13400 May 30 15:37	29° <b>8</b> 32'54			13401 May 24 18:35	$\Pi$ $\circ$ 0	
	13400 May 30 23:43	$\Pi^{\circ}$ 0		morning set	13401 May 30 14:17	8° <b>Ⅱ</b> 56'19	
morning set	13400 Jun 20 11:05	0° <b>ട്ട</b> 08'31		max. Earth dist.	13401 Jun 12 20:37	29° <b>Ⅲ</b> 33'40	1.45348 AU
	13400 Jun 20 08:52	0ංම			13401 Jun 13 03:20	$0$ $\circ$ $\odot$	
max. Earth dist.	13400 Jun 30 04:51	15° <b>5</b> 24'39	1.44145 AU				
				superior conj	13401 Jun 15 23:38	4° <b>5</b> 29'11	-2°13'31
superior conj	13400 Jul 06 02:15	24° <b>©</b> 56'29	-2°02'23	minimum elong	13401 Jun 16 00:19	4° <b>©</b> 31'52	2°14'33
minimum elong	13400 Jul 06 08:33	25°522'20	2°02'59	evening rise	13401 Jun 30 14:02	28° <b>©</b> 02'18	
-	13400 Jul 09 03:44	$0^{\circ}\Omega$		_	13401 Jul 01 18:41	$\mathfrak{O}^{\circ} \mathfrak{O}$	
evening rise	13400 Jul 18 23:34	16° <b>Ω</b> 42'37		asc. node	13401 Jul 11 08:59	15° <b>Ω</b> 32'19	
asc. node	13400 Jul 24 12:12	26° <b>Ω</b> 13′00		evening max el	13401 Jul 19 19:08	26° <b>Ω</b> 44'20	18°18'51
	13400 Jul 26 18:19	0° mp			13401 Jul 24 23:19	0° m/	
evening max el	13400 Aug 05 05:00	13° m) 11'34	18°03'49	retrograde	13401 Jul 26 04:07	0° m/07'52	
retrograde	13400 Aug 11 15:32	16° mp 32'16		C	13401 Jul 27 08:45	30°RΩ	
evening set	13400 Aug 14 06:55	15° <b>m</b> 57'24		evening set	13401 Jul 29 04:04	29° <b>Ω</b> 18'34	
inferior conj	13400 Aug 20 16:13	10° <b>m</b> ) 46'50	1°41'01	inferior conj	13401 Aug 04 01:27	23°Ω51'06	2°27'56
minimum elong	13400 Aug 20 18:37	10° <b>m</b> ) 40'35	1°39'50	minimum elong	13401 Aug 04 03:50	23°Ω44'12	
min. Earth dist.	13400 Aug 23 13:50	7° Mp 46'55	0.62259 AU	min. Earth dist.	13401 Aug 06 10:03	21°Ω07'51	0.64382 AU
desc. node	13400 Aug 26 13:25	5° Mp 06'41	0.02237 110	morning rise	13401 Aug 10 02:11	17°Ω31'54	0.01302110
morning rise	13400 Aug 27 03:58	4° m/ 39'33		desc. node	13401 Aug 13 10:54	15° <b>Ω</b> 31'37	
direct	13400 Sep 02 20:20	2° m) 15'44		direct	13401 Aug 16 16:19	$13^{\circ} 051^{\circ} 7$ $14^{\circ} \Omega 54'55$	
morning max el	13400 Sep	10° m) 16'42	27°57'03	morning max el	13401 Aug 30 09:00	22°Ω53'48	27°20'13
morning max ci	13400 Oct 02 09:16	0° <b>ம</b>	21 31 03	morning max cr	13401 Sep 05 16:00	0°m)	27 27 13
	13400 Oct 02 09:10 13400 Oct 19 11:05	0° <b>™</b>			13401 Sep 05 16:08	0∘ <b>⊽</b>	
morning set	13400 Oct 19 11:03 13400 Oct 20 23:03	3°ML01'57		morning set	13401 Sep 23 10:08 13401 Oct 04 13:59	0 <b>=</b> 16° <b>£</b> 32'17	
asc. node	13400 Oct 20 23:03	2°M16'31		asc. node	13401 Oct 04 13:39 13401 Oct 07 10:47	10 <b>⊆</b> 32 17 22° <b>⊆</b> 17'29	
max. Earth dist.	13400 Oct 20 14.09 13400 Oct 26 07:57	14°M22'10	1.31791 AU	max. Earth dist.	13401 Oct 07 10.47 13401 Oct 09 05:13	25° <b>£</b> 56'20	1.32863 AU
max. Earm dist.	13400 Oct 20 07.37	14 11622 10	1.31/91 AU	max. Earth dist.	13401 Oct 09 03:13	0°M	1.32803 AU
					13401 Oct 11 03.34	O IIG	
superior coni	13400 Oct 28 11:27	19°M,03'28	1°09'16				
superior conj	13400 Oct 28 11:27	19°M.03'28	1°09'16 1°09'38	superior coni	13401 Oct 12 16:41	3°M.17'55	0°48'18
superior conj minimum elong	13400 Oct 28 09:10	18°M51'00	1°09'16 1°09'38	superior conj	13401 Oct 12 16:41	3°ጤ17'55 3°ጤ06'48	0°48'18 0°48'24
minimum elong	13400 Oct 28 09:10 13400 Nov 02 10:37	18°M51'00 0°⊀		minimum elong	13401 Oct 12 14:36	3°M06'48	0°48'18 0°48'24
	13400 Oct 28 09:10 13400 Nov 02 10:37 13400 Nov 04 05:39	18° <b>™</b> .51'00 0° <b>҂</b> ¹ 3° <b>҂</b> ¹53'57			13401 Oct 12 14:36 13401 Oct 19 16:44	3°M06'48 18°M25'01	
minimum elong evening rise	13400 Oct 28 09:10 13400 Nov 02 10:37 13400 Nov 04 05:39 13400 Nov 17 23:32	18°M51'00 0°ダ 3°ダ53'57 0°る		minimum elong evening rise	13401 Oct 12 14:36 13401 Oct 19 16:44 13401 Oct 25 07:55	3°M06'48 18°M25'01 0°⊀	
minimum elong evening rise desc. node	13400 Oct 28 09:10 13400 Nov 02 10:37 13400 Nov 04 05:39 13400 Nov 17 23:32 13400 Nov 22 09:55	18°肌51'00 0°ダ 3°ダ53'57 0°उ 6°उ29'05	1°09'38	minimum elong evening rise desc. node	13401 Oct 12 14:36 13401 Oct 19 16:44 13401 Oct 25 07:55 13401 Nov 09 07:10	3°M06'48 18°M25'01 0°×' 22°×'59'49	0°48'24
minimum elong evening rise  desc. node evening max el	13400 Oct 28 09:10 13400 Nov 02 10:37 13400 Nov 04 05:39 13400 Nov 17 23:32 13400 Nov 22 09:55 13400 Nov 29 06:48	18°M51'00 0°ダ 3°ダ53'57 0°उ 6°उ29'05 14°उ25'04	1°09'38	minimum elong evening rise	13401 Oct 12 14:36 13401 Oct 19 16:44 13401 Oct 25 07:55 13401 Nov 09 07:10 13401 Nov 10 16:59	3°M06'48 18°M25'01 0°\$\star*\ 22°\$\star*\59'49 24°\$\star*\26'10	0°48'24
minimum elong evening rise  desc. node evening max el retrograde	13400 Oct 28 09:10 13400 Nov 02 10:37 13400 Nov 04 05:39 13400 Nov 17 23:32 13400 Nov 22 09:55 13400 Nov 29 06:48 13400 Dec 12 23:18	18°M51'00 0°ズ 3°ズ53'57 0°उ 6°उ29'05 14°उ25'04 21°उ14'33	1°09'38	minimum elong evening rise desc. node evening max el	13401 Oct 12 14:36 13401 Oct 19 16:44 13401 Oct 25 07:55 13401 Nov 09 07:10 13401 Nov 10 16:59 13401 Nov 18 21:45	3°M06'48 18°M25'01 0° ₹ 22° ₹ 59'49 24° ₹ 26'10 0° ₹	0°48'24
minimum elong evening rise  desc. node evening max el retrograde evening set	13400 Oct 28 09:10 13400 Nov 02 10:37 13400 Nov 04 05:39 13400 Nov 17 23:32 13400 Nov 22 09:55 13400 Nov 29 06:48 13400 Dec 12 23:18 13400 Dec 18 03:05	18°№51'00 0°♂ 3°♂53'57 0°♂ 6°♂29'05 14°♂25'04 21°♂14'33 20°♂16'06	1°09'38 24°22'26	minimum elong evening rise  desc. node evening max el  retrograde	13401 Oct 12 14:36 13401 Oct 19 16:44 13401 Oct 25 07:55 13401 Nov 09 07:10 13401 Nov 10 16:59 13401 Nov 18 21:45 13401 Nov 23 17:14	3°M06'48 18°M25'01 0° ₹ 22° ₹59'49 24° ₹26'10 0° ₹ 0°₹53'30	0°48'24
minimum elong evening rise  desc. node evening max el retrograde evening set min. Earth dist.	13400 Oct 28 09:10 13400 Nov 02 10:37 13400 Nov 04 05:39 13400 Nov 17 23:32 13400 Nov 22 09:55 13400 Nov 29 06:48 13400 Dec 12 23:18 13400 Dec 18 03:05 13400 Dec 23 18:23	18°№51'00 0°♂ 3°♂53'57 0°♂ 6°♂29'05 14°♂25'04 21°♂14'33 20°♂16'06 17°♂24'32	1°09'38 24°22'26 0.55965 AU	minimum elong evening rise desc. node evening max el	13401 Oct 12 14:36 13401 Oct 19 16:44 13401 Oct 25 07:55 13401 Nov 09 07:10 13401 Nov 10 16:59 13401 Nov 18 21:45 13401 Nov 23 17:14 13401 Nov 27 12:21	3°M06'48 18°M25'01 0°メ 22°メ5'59'49 24°メ26'10 0°उ 0°उ53'30 0°उ22'04	0°48'24
minimum elong evening rise  desc. node evening max el retrograde evening set min. Earth dist. inferior conj	13400 Oct 28 09:10 13400 Nov 02 10:37 13400 Nov 04 05:39 13400 Nov 17 23:32 13400 Nov 22 09:55 13400 Nov 29 06:48 13400 Dec 12 23:18 13400 Dec 18 03:05 13400 Dec 23 18:23 13400 Dec 26 01:01	18° № 51'00 0° ₹ 3° ₹ 53'57 0° ♂ 6° ♂ 29'05 14° ♂ 25'04 21° ♂ 16'06 17° ♂ 24'32 16° ♂ 00'06	1°09'38 24°22'26 0.55965 AU -5°35'47	minimum elong evening rise  desc. node evening max el  retrograde evening set	13401 Oct 12 14:36 13401 Oct 19 16:44 13401 Oct 25 07:55 13401 Nov 09 07:10 13401 Nov 10 16:59 13401 Nov 18 21:45 13401 Nov 23 17:14 13401 Nov 27 12:21 13401 Nov 28 17:11	3°M06'48 18°M25'01 0°ダ 22°ダ59'49 24°ダ26'10 0°उ 0°उ53'30 0°उ22'04 30°Rダ	0°48'24 22°40'14
minimum elong evening rise  desc. node evening max el retrograde evening set min. Earth dist. inferior conj minimum elong	13400 Oct 28 09:10 13400 Nov 02 10:37 13400 Nov 04 05:39 13400 Nov 17 23:32 13400 Nov 22 09:55 13400 Nov 29 06:48 13400 Dec 12 23:18 13400 Dec 18 03:05 13400 Dec 23 18:23 13400 Dec 26 01:01 13400 Dec 26 07:30	18° ル51'00 0° ₹ 3° ₹53'57 0° ₹ 6° ₹29'05 14° ₹25'04 21° ₹14'33 20° ₹16'06 17° ₹24'32 16° ₹00'06 15° ₹50'03	1°09'38 24°22'26 0.55965 AU -5°35'47	minimum elong evening rise  desc. node evening max el retrograde evening set min. Earth dist.	13401 Oct 12 14:36 13401 Oct 19 16:44 13401 Oct 25 07:55 13401 Nov 09 07:10 13401 Nov 10 16:59 13401 Nov 18 21:45 13401 Nov 23 17:14 13401 Nov 27 12:21 13401 Nov 28 17:11 13401 Dec 05 01:14	3°M06'48 18°M25'01 0°ダ 22°ダ59'49 24°ダ26'10 0°उ 0°उ53'30 0°उ22'04 30°Rダ 26°ダ57'27	0°48'24 22°40'14 0.54811 AU
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minimum elong evening rise  desc. node evening max el retrograde evening set min. Earth dist. inferior conj minimum elong morning rise direct	13400 Oct 28 09:10 13400 Nov 02 10:37 13400 Nov 04 05:39 13400 Nov 17 23:32 13400 Nov 22 09:55 13400 Nov 29 06:48 13400 Dec 12 23:18 13400 Dec 18 03:05 13400 Dec 26 01:01 13400 Dec 26 07:30 13401 Jan 03 13:54 13401 Jan 06 00:30	18° ル51'00 0° ₹ 3° ₹53'57 0° ♂ 6° ♂29'05 14° ♂25'04 21° ♂14'33 20° ♂16'06 17° ♂24'32 16° ♂00'06 15° ♂50'03 11° ♂59'06 11° ♂43'20	1°09'38 24°22'26 0.55965 AU -5°35'47 5°33'50	minimum elong evening rise  desc. node evening max el  retrograde evening set  min. Earth dist. inferior conj minimum elong	13401 Oct 12 14:36 13401 Oct 19 16:44 13401 Oct 25 07:55 13401 Nov 09 07:10 13401 Nov 10 16:59 13401 Nov 18 21:45 13401 Nov 23 17:14 13401 Nov 27 12:21 13401 Nov 28 17:11 13401 Dec 05 01:14 13401 Dec 06 00:45 13401 Dec 05 23:22	3°M06'48 18°M25'01 0°メ 22°メ59'49 24°メ26'10 0°舌 0°舌53'30 0°云22'04 30°Rメ 26°メ57'27 26°メ24'09 26°メ26'06	0°48'24 22°40'14 0.54811 AU -5°56'03
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minimum elong evening rise  desc. node evening max el retrograde evening set min. Earth dist. inferior conj minimum elong morning rise direct morning max el asc. node	13400 Oct 28 09:10 13400 Nov 02 10:37 13400 Nov 04 05:39 13400 Nov 17 23:32 13400 Nov 22 09:55 13400 Nov 29 06:48 13400 Dec 12 23:18 13400 Dec 23 18:23 13400 Dec 26 01:01 13400 Dec 26 07:30 13401 Jan 03 13:54 13401 Jan 06 00:30 13401 Jan 16 01:57 13401 Jan 16 13:53 13401 Jan 25 19:37	18° M.51'00 0° ズ 3° ズ 53'57 0° で 6° で 29'05 14° で 25'04 21° で 14'33 20° で 16'06 17° で 24'32 16° で 30'06 15° で 55'03 11° で 59'06 11° で 43'20 16° で 33'41 17° で 03'10 0° ≫	1°09'38 24°22'26 0.55965 AU -5°35'47 5°33'50	minimum elong evening rise  desc. node evening max el  retrograde evening set  min. Earth dist. inferior conj minimum elong morning rise	13401 Oct 12 14:36 13401 Oct 19 16:44 13401 Oct 25 07:55 13401 Nov 09 07:10 13401 Nov 10 16:59 13401 Nov 23 17:14 13401 Nov 27 12:21 13401 Nov 28 17:11 13401 Dec 05 01:14 13401 Dec 06 00:45 13401 Dec 14 11:43 13401 Dec 17 15:45 13401 Dec 29 06:23	3°M.06'48 18°M.25'01 0° ₹ 22° ₹ 59'49 24° ₹ 26'10 0° ₹ 0° ₹ 53'30 0° ₹ 22'04 30° ₹ ₹ 26° ₹ 27'27 26° ₹ 24'09 26° ₹ 26'06 22° ₹ 36'12 22° ₹ 13'12 27° ₹ 45'57	0°48'24 22°40'14 0.54811 AU -5°56'03 5°54'59
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minimum elong evening rise  desc. node evening max el retrograde evening set min. Earth dist. inferior conj minimum elong morning rise direct morning max el asc. node  morning set	13400 Oct 28 09:10 13400 Nov 02 10:37 13400 Nov 04 05:39 13400 Nov 17 23:32 13400 Nov 22 09:55 13400 Nov 29 06:48 13400 Dec 12 23:18 13400 Dec 23 18:23 13400 Dec 26 01:01 13400 Dec 26 07:30 13401 Jan 03 13:54 13401 Jan 16 01:57 13401 Jan 16 13:53 13401 Jan 25 19:37 13401 Feb 02 15:33 13401 Feb 10 01:54	18°M51'00 0°ズ 3°ズ53'57 0°℧ 6°℧29'05 14°℧25'04 21°℧16'06 17°℧24'32 16°℧00'06 15°℧50'03 11°℧59'06 11°℧43'20 16°℧33'41 17°℧03'10 0°≈ 14°≈59'30 0°光	1°09'38  24°22'26  0.55965 AU -5°35'47 5°33'50  19°45'12	minimum elong evening rise  desc. node evening max el  retrograde evening set  min. Earth dist. inferior conj minimum elong morning rise direct morning max el  asc. node	13401 Oct 12 14:36 13401 Oct 19 16:44 13401 Oct 25 07:55 13401 Nov 09 07:10 13401 Nov 10 16:59 13401 Nov 23 17:14 13401 Nov 27 12:21 13401 Nov 28 17:11 13401 Dec 05 01:14 13401 Dec 06 00:45 13401 Dec 17 15:45 13401 Dec 17 15:45 13401 Dec 29 06:23 13401 Dec 31 10:10 13402 Jan 03 11:06	3°M.06'48 18°M.25'01 0° ₹ 22° ₹ 59'49 24° ₹ 26'10 0° ₹ 0° ₹ 53'30 0° ₹ 22'04 30° ₹ ₹ 26° ₹ 24'09 26° ₹ 26'06 22° ₹ 13'12 22° ₹ 13'12 27° ₹ 45'57 0° ₹ 3° ₹ 54'56	0°48'24 22°40'14 0.54811 AU -5°56'03 5°54'59
minimum elong evening rise  desc. node evening max el retrograde evening set min. Earth dist. inferior conj minimum elong morning rise direct morning max el asc. node  morning set	13400 Oct 28 09:10 13400 Nov 02 10:37 13400 Nov 04 05:39 13400 Nov 17 23:32 13400 Nov 22 09:55 13400 Nov 29 06:48 13400 Dec 12 23:18 13400 Dec 18 03:05 13400 Dec 26 01:01 13400 Dec 26 07:30 13401 Jan 03 13:54 13401 Jan 16 01:57 13401 Jan 16 13:53 13401 Jan 25 19:37 13401 Feb 10 01:54  13401 Feb 10 12:44 13401 Feb 10 15:30	18° N.51'00 0° 水 3° 水53'57 0° 云 6° 云29'05 14° 云25'04 21° 云16'06 17° 云24'32 16° 云00'06 15° 云50'03 11° 云59'06 11° 云43'20 16° 云33'41 17° 云03'10 0° ※ 14° ※59'30 0° 米 0° 米53'40 1° 米07'22	1°09'38  24°22'26  0.55965 AU -5°35'47 5°33'50  19°45'12  1°00'57 1°01'08	minimum elong evening rise  desc. node evening max el  retrograde evening set  min. Earth dist. inferior conj minimum elong morning rise direct morning max el  asc. node morning set	13401 Oct 12 14:36 13401 Oct 19 16:44 13401 Oct 25 07:55 13401 Nov 09 07:10 13401 Nov 10 16:59 13401 Nov 18 21:45 13401 Nov 23 17:14 13401 Nov 27 12:21 13401 Nov 28 17:11 13401 Dec 05 01:14 13401 Dec 05 01:44 13401 Dec 05 23:22 13401 Dec 14 11:43 13401 Dec 17 15:45 13401 Dec 29 06:23 13401 Dec 31 10:10 13402 Jan 03 11:06 13402 Jan 18 00:21 13402 Jan 18 03:44	3°M06'48 18°M25'01 0°ズ 22°ズ59'49 24°ズ26'10 0°℧ 0°℧53'30 0°℧22'04 30°Rズ 26°ズ57'27 26°ズ24'09 26°ズ26'06 22°ズ36'12 22°ズ13'12 27°ズ45'57 0°℧ 3°℧44'56 29°℧42'27 0°※	0°48'24  22°40'14  0.54811 AU -5°56'03 5°54'59  21°09'07
minimum elong evening rise  desc. node evening max el retrograde evening set min. Earth dist. inferior conj minimum elong morning rise direct morning max el asc. node  morning set	13400 Oct 28 09:10 13400 Nov 02 10:37 13400 Nov 04 05:39 13400 Nov 17 23:32 13400 Nov 22 09:55 13400 Nov 29 06:48 13400 Dec 12 23:18 13400 Dec 18 03:05 13400 Dec 23 18:23 13400 Dec 26 01:01 13400 Dec 26 07:30 13401 Jan 03 13:54 13401 Jan 16 01:57 13401 Jan 16 13:53 13401 Jan 25 19:37 13401 Feb 10 15:30 13401 Feb 10 12:44 13401 Feb 10 15:30 13401 Feb 10 15:30 13401 Feb 10 15:30	18° N.51'00 0° メ 3° メ53'57 0° で 6° で29'05 14° で25'04 21° で16'06 17° で24'32 16° で300'06 15° で50'03 11° で59'06 11° で43'20 16° で33'41 17° で03'10 0° ※ 14° ※59'30 0° 米 0° 米53'40 1° 米07'22 12° 米42'54	1°09'38  24°22'26  0.55965 AU -5°35'47 5°33'50  19°45'12	minimum elong evening rise  desc. node evening max el  retrograde evening set  min. Earth dist. inferior conj minimum elong morning rise direct morning max el  asc. node morning set	13401 Oct 12 14:36 13401 Oct 19 16:44 13401 Oct 25 07:55 13401 Nov 09 07:10 13401 Nov 10 16:59 13401 Nov 18 21:45 13401 Nov 23 17:14 13401 Nov 27 12:21 13401 Nov 28 17:11 13401 Dec 05 01:14 13401 Dec 06 00:45 13401 Dec 14 11:43 13401 Dec 17 15:45 13401 Dec 31 10:10 13402 Jan 03 11:06 13402 Jan 18 00:21 13402 Jan 18 03:44	3°M06'48 18°M25'01 0°ズ 22°ズ59'49 24°ズ26'10 0°℧ 0°℧53'30 0°℧22'04 30°Rズ 26°ズ25'27 26°ズ24'09 26°ズ26'06 22°ズ36'12 22°ズ13'12 27°ズ45'57 0°℧ 3°℧44'56 29°℧42'27 0°※ 15°≈00'24	0°48'24  22°40'14  0.54811 AU -5°56'03 5°54'59  21°09'07
minimum elong evening rise  desc. node evening max el retrograde evening set min. Earth dist. inferior conj minimum elong morning rise direct morning max el asc. node  morning set	13400 Oct 28 09:10 13400 Nov 02 10:37 13400 Nov 04 05:39 13400 Nov 17 23:32 13400 Nov 22 09:55 13400 Nov 29 06:48 13400 Dec 12 23:18 13400 Dec 23 18:23 13400 Dec 26 01:01 13400 Dec 26 07:30 13401 Jan 03 13:54 13401 Jan 16 01:57 13401 Jan 16 13:53 13401 Jan 25 19:37 13401 Feb 10 01:54  13401 Feb 10 12:44 13401 Feb 10 15:30 13401 Feb 10 15:30 13401 Feb 10 15:30 13401 Feb 10 15:31	18° N.51'00 0° メ 3° メ53'57 0° で 6° で29'05 14° で25'04 21° で16'06 17° で24'32 16° で30'06 15° で50'03 11° で59'06 11° で43'20 16° で33'41 17° で03'10 0° ※ 14° ※59'30 0° 米 0° 米53'40 1° 米07'22 12° 米42'54 15° 米54'52	1°09'38  24°22'26  0.55965 AU -5°35'47 5°33'50  19°45'12  1°00'57 1°01'08	minimum elong evening rise  desc. node evening max el  retrograde evening set  min. Earth dist. inferior conj minimum elong morning rise direct morning max el  asc. node morning set	13401 Oct 12 14:36 13401 Oct 19 16:44 13401 Oct 25 07:55 13401 Nov 09 07:10 13401 Nov 10 16:59 13401 Nov 18 21:45 13401 Nov 23 17:14 13401 Nov 27 12:21 13401 Nov 28 17:11 13401 Dec 05 01:14 13401 Dec 05 01:44 13401 Dec 05 23:22 13401 Dec 14 11:43 13401 Dec 17 15:45 13401 Dec 29 06:23 13401 Dec 31 10:10 13402 Jan 03 11:06 13402 Jan 18 00:21 13402 Jan 18 03:44  13402 Jan 25 07:49 13402 Jan 25 10:14	3°M06'48 18°M25'01 0°ズ 22°ズ59'49 24°ズ26'10 0°℧ 0°℧53'30 0°℧22'04 30°Rズ 26°ズ24'09 26°ズ26'06 22°ズ36'12 22°ズ13'12 27°ズ45'57 0°℧ 3°℧44'56 29°℧42'27 0°≈ 15°≈00'24 15°≈12'52	0°48'24  22°40'14  0.54811 AU -5°56'03 5°54'59  21°09'07  1°19'56 1°20'28
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minimum elong evening rise  desc. node evening max el retrograde evening set min. Earth dist. inferior conj minimum elong morning rise direct morning max el asc. node  morning set  superior conj minimum elong max. Earth dist. desc. node evening rise	13400 Oct 28 09:10 13400 Nov 02 10:37 13400 Nov 04 05:39 13400 Nov 17 23:32 13400 Nov 22 09:55 13400 Nov 29 06:48 13400 Dec 12 23:18 13400 Dec 23 18:23 13400 Dec 26 01:01 13400 Dec 26 07:30 13401 Jan 03 13:54 13401 Jan 16 01:57 13401 Jan 16 13:53 13401 Jan 25 19:37 13401 Feb 02 15:33 13401 Feb 10 01:54  13401 Feb 10 12:44 13401 Feb 10 15:30 13401 Feb 10 15:30 13401 Feb 10 15:30 13401 Feb 10 15:30 13401 Feb 10 10:81 13401 Feb 20 09:54 13401 Feb 20 12:58 13401 Feb 26 12:58 13401 Mar 18 22:46	18° N.51'00 0° * 3° * 3° * 53'57 0° で 6° で29'05 14° で25'04 21° で16'06 17° で24'32 16° で30'06 15° で50'03 11° で59'06 11° で43'20 16° で33'41 17° で03'10 0° ※ 14° ※59'30 0° 米 0° 米 53'40 1° 米 53'40 1° 米 67'22 12° 米 42'54 15° 米 54'52 19° 米 28'59 0° い 0° と	1°09'38  24°22'26  0.55965 AU -5°35'47 5°33'50  19°45'12  1°00'57 1°01'08 1.37449 AU	minimum elong evening rise  desc. node evening max el  retrograde evening set  min. Earth dist. inferior conj minimum elong morning rise direct morning max el  asc. node morning set  superior conj minimum elong max. Earth dist. evening rise	13401 Oct 12 14:36 13401 Oct 19 16:44 13401 Oct 25 07:55 13401 Nov 09 07:10 13401 Nov 10 16:59 13401 Nov 18 21:45 13401 Nov 23 17:14 13401 Nov 27 12:21 13401 Nov 28 17:11 13401 Dec 05 01:14 13401 Dec 06 00:45 13401 Dec 17 15:45 13401 Dec 17 15:45 13401 Dec 29 06:23 13401 Dec 31 10:10 13402 Jan 03 11:06 13402 Jan 18 00:21 13402 Jan 25 07:49 13402 Jan 25 07:49 13402 Jan 30 02:26 13402 Feb 01 20:35 13402 Feb 01 20:35 13402 Feb 03 03:00	3°M06'48 18°M25'01 0°ズ 22°ズ59'49 24°ズ26'10 0°उ 0°उ53'30 0°उ22'04 30°Rズ 26°ズ26'06 22°ズ36'12 22°ズ13'12 27°ズ45'57 0°उ 3°उ44'56 29°उ42'27 0°≈ 15°≈00'24 15°≈12'52 24°≈39'34 0°兴 2° 兴23'38	0°48'24  22°40'14  0.54811 AU -5°56'03 5°54'59  21°09'07  1°19'56 1°20'28
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minimum elong evening rise  desc. node evening max el retrograde evening set min. Earth dist. inferior conj minimum elong morning rise direct morning max el asc. node  morning set  superior conj minimum elong max. Earth dist. desc. node evening rise	13400 Oct 28 09:10 13400 Nov 02 10:37 13400 Nov 04 05:39 13400 Nov 17 23:32 13400 Nov 22 09:55 13400 Nov 29 06:48 13400 Dec 12 23:18 13400 Dec 23 18:23 13400 Dec 26 01:01 13400 Dec 26 07:30 13401 Jan 03 13:54 13401 Jan 16 01:57 13401 Jan 16 13:53 13401 Jan 25 19:37 13401 Feb 02 15:33 13401 Feb 10 01:54 13401 Feb 10 12:44 13401 Feb 10 15:30 13401 Feb 10 15:30 13401 Feb 10 15:30 13401 Feb 20 09:54 13401 Feb 20 12:58 13401 Feb 20 12:58 13401 Mar 18 22:46 13401 Mar 27 21:28 13401 Apr 09 02:02	18° M.51'00 0° ズ 3° ズ53'57 0° 云 6° 云29'05 14° 云25'04 21° 云16'06 17° 云24'32 16° 云00'06 15° 云50'03 11° 云59'06 11° 云43'20 16° 云33'41 17° 云03'10 0° ※ 14° ※59'30 0° 米 0° 米53'40 1° 米07'22 12° 米42'54 15° 米54'52 19° 米28'59 0° Υ 0° ႘ 10° ႘ 12'53 17° ႘ 16'08	1°09'38  24°22'26  0.55965 AU -5°35'47 5°33'50  19°45'12  1°00'57 1°01'08 1.37449 AU	minimum elong evening rise  desc. node evening max el  retrograde evening set  min. Earth dist. inferior conj minimum elong morning rise direct morning max el  asc. node morning set  superior conj minimum elong max. Earth dist. evening rise desc. node	13401 Oct 12 14:36 13401 Oct 19 16:44 13401 Oct 25 07:55 13401 Nov 09 07:10 13401 Nov 10 16:59 13401 Nov 18 21:45 13401 Nov 23 17:14 13401 Nov 27 12:21 13401 Nov 28 17:11 13401 Dec 05 01:14 13401 Dec 06 00:45 13401 Dec 17 15:45 13401 Dec 17 15:45 13401 Dec 29 06:23 13401 Dec 31 10:10 13402 Jan 03 11:06 13402 Jan 18 00:21 13402 Jan 18 03:44  13402 Jan 25 07:49 13402 Jan 25 10:14 13402 Jan 30 02:26 13402 Feb 01 20:35 13402 Feb 03 03:00 13402 Feb 05 06:53 13402 Feb 05 06:53 13402 Feb 05 06:53	3°M06'48 18°M25'01 0°ズ 22°ズ59'49 24°ズ26'10 0°उ 0°उ53'30 0°उ22'04 30°Rズ 26°ズ25'27 26°ズ26'06 22°ズ36'12 22°ズ13'12 27°ズ45'57 0°उ 3°उ44'56 29°उ42'27 0°≈ 15°≈00'24 15°≈12'52 24°≈39'34 0°升 2°升23'14 0°介	0°48'24  22°40'14  0.54811 AU -5°56'03 5°54'59  21°09'07  1°19'56 1°20'28 1.35361 AU
minimum elong evening rise  desc. node evening max el retrograde evening set min. Earth dist. inferior conj minimum elong morning rise direct morning max el asc. node  morning set  superior conj minimum elong max. Earth dist. desc. node evening rise  evening max el retrograde asc. node	13400 Oct 28 09:10 13400 Nov 02 10:37 13400 Nov 04 05:39 13400 Nov 17 23:32 13400 Nov 22 09:55 13400 Nov 29 06:48 13400 Dec 12 23:18 13400 Dec 18 03:05 13400 Dec 23 18:23 13400 Dec 26 01:01 13400 Dec 26 07:30 13401 Jan 03 13:54 13401 Jan 16 01:57 13401 Jan 16 13:53 13401 Jan 25 19:37 13401 Feb 02 15:33 13401 Feb 10 01:54  13401 Feb 10 12:44 13401 Feb 10 15:30 13401 Feb 12 15:33 13401 Feb 13 10:18 13401 Feb 20 09:54 13401 Feb 20 12:58 13401 Mar 18 22:46 13401 Mar 27 21:28 13401 Apr 09 02:02 13401 Apr 14 10:33	18°M51'00 0°ズ 3°ズ53'57 0°♂ 6°♂29'05 14°♂25'04 21°♂16'06 17°♂24'32 16°♂00'06 15°♂50'03 11°♂59'06 11°♂43'20 16°♂33'41 17°♂03'10 0°≈ 14°≈59'30 0°¥ 0°¥53'40 1°₩07'22 12°¥42'54 15°¥54'52 19°¥28'59 0°❤ 0°℧ 10°℧12'53 17°℧16'08 15°℧14'46	1°09'38  24°22'26  0.55965 AU -5°35'47 5°33'50  19°45'12  1°00'57 1°01'08 1.37449 AU	minimum elong evening rise  desc. node evening max el  retrograde evening set  min. Earth dist. inferior conj minimum elong morning rise direct morning max el  asc. node morning set  superior conj minimum elong max. Earth dist. evening rise	13401 Oct 12 14:36 13401 Oct 12 16:44 13401 Oct 25 07:55 13401 Nov 09 07:10 13401 Nov 10 16:59 13401 Nov 18 21:45 13401 Nov 23 17:14 13401 Nov 27 12:21 13401 Nov 28 17:11 13401 Dec 05 01:14 13401 Dec 06 00:45 13401 Dec 17 15:45 13401 Dec 17 15:45 13401 Dec 31 10:10 13402 Jan 03 11:06 13402 Jan 18 00:21 13402 Jan 18 03:44  13402 Jan 25 07:49 13402 Jan 25 10:14 13402 Jan 30 02:26 13402 Feb 01 20:35 13402 Feb 01 20:35 13402 Feb 05 06:53 13402 Feb 19 12:52 13402 Mar 10 11:18	3°M06'48 18°M25'01 0°ズ 22°ズ59'49 24°ズ26'10 0°उ 0°उ53'30 0°उ22'04 30°Rズ 26°ズ25'27 26°ズ24'09 26°ズ26'06 22°ズ36'12 22°ズ13'12 27°ズ45'57 0°उ 3°उ44'56 29°उ42'27 0°≈ 15°≈00'24 15°≈12'52 24°≈39'34 0°ዢ 2°Y23'18 6°Y23'14 0°Y°	0°48'24  22°40'14  0.54811 AU -5°56'03 5°54'59  21°09'07  1°19'56 1°20'28
minimum elong evening rise  desc. node evening max el retrograde evening set min. Earth dist. inferior conj minimum elong morning rise direct morning max el asc. node  morning set  superior conj minimum elong max. Earth dist. desc. node evening rise  evening max el retrograde asc. node evening set	13400 Oct 28 09:10 13400 Nov 02 10:37 13400 Nov 04 05:39 13400 Nov 17 23:32 13400 Nov 22 09:55 13400 Nov 29 06:48 13400 Dec 12 23:18 13400 Dec 18 03:05 13400 Dec 23 18:23 13400 Dec 26 01:01 13400 Dec 26 07:30 13401 Jan 03 13:54 13401 Jan 16 01:57 13401 Jan 16 13:53 13401 Jan 25 19:37 13401 Feb 02 15:33 13401 Feb 10 01:54  13401 Feb 10 12:44 13401 Feb 10 15:30 13401 Feb 10 15:30 13401 Feb 10 15:30 13401 Feb 16 16:32 13401 Feb 18 10:18 13401 Feb 20 09:54 13401 Mar 18 22:46 13401 Mar 27 21:28 13401 Apr 09 02:02 13401 Apr 14 10:33 13401 Apr 14 10:33	18°M51'00 0°ズ 3°ズ53'57 0°℧ 6°℧29'05 14°℧25'04 21°℧16'06 17°℧24'32 16°℧00'06 15°℧50'03 11°℧43'20 16°℧33'41 17°℧03'10 0°≈ 14°≈59'30 0°ℋ 0°Ж53'40 1°Ж07'22 12°Ж42'54 15°Ж54'52 19°Ж28'59 0°Ƴ 0°℧ 10°℧12'53 17°℧16'08 15°℧14'46 14°℧50'11	1°09'38  24°22'26  0.55965 AU -5°35'47 5°33'50  19°45'12  1°00'57 1°01'08 1.37449 AU  25°21'43	minimum elong evening rise  desc. node evening max el  retrograde evening set  min. Earth dist. inferior conj minimum elong morning rise direct morning max el  asc. node morning set  superior conj minimum elong max. Earth dist. evening rise desc. node evening max el	13401 Oct 12 14:36 13401 Oct 19 16:44 13401 Oct 25 07:55 13401 Nov 09 07:10 13401 Nov 10 16:59 13401 Nov 18 21:45 13401 Nov 23 17:14 13401 Nov 27 12:21 13401 Nov 28 17:11 13401 Dec 05 01:14 13401 Dec 06 00:45 13401 Dec 14 11:43 13401 Dec 17 15:45 13401 Dec 31 10:10 13402 Jan 03 11:06 13402 Jan 18 00:21 13402 Jan 18 03:44  13402 Jan 25 07:49 13402 Jan 25 07:49 13402 Jan 30 02:26 13402 Feb 01 20:35 13402 Feb 01 20:35 13402 Feb 03 03:00 13402 Feb 19 12:52 13402 Mar 10 11:18 13402 Mar 18 07:06	3°M06'48 18°M25'01 0°ズ 22°ズ59'49 24°ズ26'10 0°云 0°云53'30 0°云22'04 30°Rズ 26°ズ24'09 26°ズ26'06 22°ズ36'12 22°ズ13'12 27°ズ45'57 0°云 3°云44'56 29°云42'27 0°≈ 15°≈00'24 15°≈12'52 24°≈39'34 0°ዢ 2°光23'38 6°光23'14 0°℃ 24°Y02'07 0°엉	0°48'24  22°40'14  0.54811 AU -5°56'03 5°54'59  21°09'07  1°19'56 1°20'28 1.35361 AU
evening rise  desc. node evening max el retrograde evening set min. Earth dist. inferior conj minimum elong morning rise direct morning max el asc. node  morning set  superior conj minimum elong max. Earth dist. desc. node evening rise  evening max el retrograde asc. node evening set min. Earth dist.	13400 Oct 28 09:10 13400 Nov 02 10:37 13400 Nov 04 05:39 13400 Nov 17 23:32 13400 Nov 22 09:55 13400 Nov 29 06:48 13400 Dec 12 23:18 13400 Dec 23 18:23 13400 Dec 26 01:01 13400 Dec 26 07:30 13401 Jan 03 13:54 13401 Jan 16 01:57 13401 Jan 16 13:53 13401 Jan 25 19:37 13401 Feb 02 15:33 13401 Feb 10 01:54  13401 Feb 10 12:44 13401 Feb 10 15:30 13401 Feb 12 15:33 13401 Feb 13 10:18 13401 Feb 20 09:54 13401 Mar 27 21:28 13401 Mar 18 22:46 13401 Mar 18 22:42 13401 Apr 14 10:33 13401 Apr 14 10:33 13401 Apr 14 10:33 13401 Apr 19 07:11	18°M51'00 0°ズ 3°ズ53'57 0°℧ 6°℧29'05 14°℧25'04 21°℧16'06 17°℧24'32 16°℧00'06 15°℧50'03 11°℧59'06 11°℧43'20 16°℧33'41 17°℧03'10 0°≈ 14°≈59'30 0°ℋ 0°Ж53'40 1°Ж07'22 12°Ж42'54 15°Ж54'52 19°Ж28'59 0°Ƴ 0°℧12'53 17°℧16'08 15°℧12'53 17°℧16'08 15°℧14'46 14°℧50'11 10°℧02'19	1°09'38  24°22'26  0.55965 AU -5°35'47 5°33'50  19°45'12  1°00'57 1°01'08 1.37449 AU  25°21'43  0.67856 AU	minimum elong evening rise  desc. node evening max el  retrograde evening set  min. Earth dist. inferior conj minimum elong morning rise direct morning max el  asc. node morning set  superior conj minimum elong max. Earth dist. evening rise desc. node	13401 Oct 12 14:36 13401 Oct 19 16:44 13401 Oct 25 07:55 13401 Nov 09 07:10 13401 Nov 10 16:59 13401 Nov 18 21:45 13401 Nov 23 17:14 13401 Nov 27 12:21 13401 Nov 28 17:11 13401 Dec 05 01:14 13401 Dec 06 00:45 13401 Dec 17 15:45 13401 Dec 14 11:43 13401 Dec 29 06:23 13401 Dec 31 10:10 13402 Jan 03 11:06 13402 Jan 18 00:21 13402 Jan 18 00:21 13402 Jan 25 07:49 13402 Jan 25 07:49 13402 Jan 30 02:26 13402 Feb 01 20:35 13402 Feb 01 20:35 13402 Feb 03 03:00 13402 Feb 05 06:53 13402 Feb 19 12:52 13402 Mar 10 11:18 13402 Mar 18 07:06 13402 Mar 23 10:18	3°M06'48 18°M25'01 0°ズ 22°ズ59'49 24°ズ26'10 0°云 0°云53'30 0°云22'04 30°Rズ 26°ズ24'09 26°ズ26'06 22°ズ36'12 22°ズ13'12 27°ズ45'57 0°云 3°云44'56 29°云42'27 0°≈ 15°≈00'24 15°≈12'52 24°≈39'34 0°Y 24°Y02'07 0°엉 1°엉22'28	0°48'24  22°40'14  0.54811 AU -5°56'03 5°54'59  21°09'07  1°19'56 1°20'28 1.35361 AU
minimum elong evening rise  desc. node evening max el retrograde evening set min. Earth dist. inferior conj minimum elong morning rise direct morning max el asc. node  morning set  superior conj minimum elong max. Earth dist. desc. node evening rise  evening max el retrograde asc. node evening set	13400 Oct 28 09:10 13400 Nov 02 10:37 13400 Nov 04 05:39 13400 Nov 17 23:32 13400 Nov 22 09:55 13400 Nov 29 06:48 13400 Dec 12 23:18 13400 Dec 18 03:05 13400 Dec 23 18:23 13400 Dec 26 01:01 13400 Dec 26 07:30 13401 Jan 03 13:54 13401 Jan 16 01:57 13401 Jan 16 13:53 13401 Jan 25 19:37 13401 Feb 02 15:33 13401 Feb 10 01:54  13401 Feb 10 12:44 13401 Feb 10 15:30 13401 Feb 10 15:30 13401 Feb 10 15:30 13401 Feb 16 16:32 13401 Feb 18 10:18 13401 Feb 20 09:54 13401 Mar 18 22:46 13401 Mar 27 21:28 13401 Apr 09 02:02 13401 Apr 14 10:33 13401 Apr 14 10:33	18°M51'00 0°ズ 3°ズ53'57 0°℧ 6°℧29'05 14°℧25'04 21°℧16'06 17°℧24'32 16°℧00'06 15°℧50'03 11°℧43'20 16°℧33'41 17°℧03'10 0°≈ 14°≈59'30 0°ℋ 0°Ж53'40 1°Ж07'22 12°Ж42'54 15°Ж54'52 19°Ж28'59 0°Ƴ 0°℧ 10°℧12'53 17°℧16'08 15°℧14'46 14°℧50'11	1°09'38  24°22'26  0.55965 AU -5°35'47 5°33'50  19°45'12  1°00'57 1°01'08 1.37449 AU  25°21'43	minimum elong evening rise  desc. node evening max el  retrograde evening set  min. Earth dist. inferior conj minimum elong morning rise direct morning max el  asc. node morning set  superior conj minimum elong max. Earth dist. evening rise desc. node evening max el	13401 Oct 12 14:36 13401 Oct 19 16:44 13401 Oct 25 07:55 13401 Nov 09 07:10 13401 Nov 10 16:59 13401 Nov 18 21:45 13401 Nov 23 17:14 13401 Nov 27 12:21 13401 Nov 28 17:11 13401 Dec 05 01:14 13401 Dec 06 00:45 13401 Dec 14 11:43 13401 Dec 17 15:45 13401 Dec 31 10:10 13402 Jan 03 11:06 13402 Jan 18 00:21 13402 Jan 18 03:44  13402 Jan 25 07:49 13402 Jan 25 07:49 13402 Jan 30 02:26 13402 Feb 01 20:35 13402 Feb 01 20:35 13402 Feb 03 03:00 13402 Feb 19 12:52 13402 Mar 10 11:18 13402 Mar 18 07:06	3°M06'48 18°M25'01 0°ズ 22°ズ59'49 24°ズ26'10 0°云 0°云53'30 0°云22'04 30°Rズ 26°ズ24'09 26°ズ26'06 22°ズ36'12 22°ズ13'12 27°ズ45'57 0°云 3°云44'56 29°云42'27 0°≈ 15°≈00'24 15°≈12'52 24°≈39'34 0°ዢ 2°光23'38 6°光23'14 0°℃ 24°Y02'07 0°엉	0°48'24  22°40'14  0.54811 AU -5°56'03 5°54'59  21°09'07  1°19'56 1°20'28 1.35361 AU

arraning got	13402 Mar 29 17:44	28° <b>Ƴ</b> 50'53		ratra arada	13403 Mar 06 12:29	15° <b>Ƴ</b> 04'00	
evening set asc. node	13402 Mai 29 17:44 13402 Apr 01 07:59	26° <b>Y</b> 21'27		retrograde evening set	13403 Mar 13 04:42	13 <b>γ</b> 04 00 12° <b>γ</b> 32'22	
min. Earth dist.	13402 Apr 01 07.39	24° <b>Y</b> 37'56	0.66682 AU	min. Earth dist.	13403 Mar 17 02:12	8° <b>Υ</b> 52'23	0.65114 AU
inferior conj	13402 Apr 04 16:18	24 1 3 / 30 22°\bar{\gamma}24'23	1°02'16	inferior conj	13403 Mar 19 10:29	6° <b>Υ</b> 16'24	0.03114 AU 0°04'03
minimum elong	13402 Apr 04 10:18	22° <b>Y</b> 28'54	1°02'10 1°01'25	minimum elong	13403 Mar 19 10:22	6° <b>Υ</b> 16'44	0°04'00
U	13402 Apr 04 14.49 13402 Apr 10 12:50	22 1 28 34 16° <b>Υ</b> 42'09	1 01 23	transit middle	13403 Mar 19 10:22	6° <b>Υ</b> 16'44	0°04'00
morning rise direct		15° <b>Y</b> 48'45		transit middle transit begin		6° <b>Y</b> 24'54	0-04-00
morning max el	13402 Apr 13 14:50	19° <b>Y</b> 15'29	18°26'15	transit begin transit end	13403 Mar 19 07:26	6° <b>Y</b> 08'35	
morning max ei	13402 Apr 20 02:25	0° <b>8</b>	18-20-15		13403 Mar 19 13:18	6° <b>Y</b> 30'29	
	13402 Apr 28 11:32			asc. node	13403 Mar 19 05:26		
desc. node	13402 May 04 09:10	9° <b>8</b> 02'43		morning rise	13403 Mar 25 17:44	0° <b>Y</b> 47'12 0° <b>Y</b> 08'56	
morning set	13402 May 10 12:26			direct	13403 Mar 28 10:16		17057144
	13402 May 17 16:03	$\Pi$ $\circ$ 0		morning max el	13403 Apr 03 18:24	3° <b>Y</b> 26'42	17°57'44
	1240214 26 00 02	100 # 20150	200.4151	desc. node	13403 Apr 21 05:47	29° <b>℃</b> 16'11	
superior conj	13402 May 26 08:02	13° <b>Ⅱ</b> 33'50		morning set	13403 Apr 21 14:41	29° <b>Y</b> 52'51	
minimum elong	13402 May 26 01:17	13° <b>Ⅱ</b> 07'27			13403 Apr 21 16:25	$0^{\circ}$ 8	
max. Earth dist.	13402 May 26 16:15	14° <b>Ⅱ</b> 05'54	1.45838 AU				
	13402 Jun 05 20:21	0°©		superior conj	13403 May 05 20:35	22° <b>8</b> 56'04	
evening rise	13402 Jun 11 03:58	8° <b>5</b> 21'26		minimum elong	13403 May 05 11:31	22° <b>8</b> 20'06	
greatest brilliancy	13402 Jun 20 10:22	22° <b>©</b> 53'45	-0.8m	max. Earth dist.	13403 May 09 12:29	28° <b>8</b> 42'19	1.45570 AU
	13402 Jun 25 02:55	$0$ $\circ$ $\Omega$			13403 May 10 08:18	0°Щ	
asc. node	13402 Jun 28 05:51	4° <b>Ω</b> 25'32		evening rise	13403 May 21 21:50	17° <b>Ⅱ</b> 55'04	
evening max el	13402 Jul 03 06:33	10° <b>Ω</b> 27'10	18°51'23		13403 May 29 19:43	0ಂಣ	
retrograde	13402 Jul 09 22:58	14° <b>Ω</b> 07'00		greatest brilliancy	13403 Jun 04 20:19	9° <b>©</b> 00'14	-0.6m
evening set	13402 Jul 13 07:44	13° <b>Ω</b> 01'43		asc. node	13403 Jun 15 02:48	22° <b>©</b> 43'31	
inferior conj	13402 Jul 18 20:53	7° <b>Ω</b> 19'04	2°56'43	evening max el	13403 Jun 16 13:05	24° <b>©</b> 14'15	19°40'26
minimum elong	13402 Jul 18 22:32	7° <b>Ω</b> 13'52	2°55'35	retrograde	13403 Jun 23 21:03	28° <b>©</b> 22'46	
min. Earth dist.	13402 Jul 20 14:57	5° <b>Ω</b> 06'54	0.66171 AU	evening set	13403 Jun 27 15:09	27° <b>©</b> 00'51	
morning rise	13402 Jul 24 12:33	0° <b>Ω</b> 55'13		inferior conj	13403 Jul 02 23:21	21° <b>©</b> 04'35	3°10'32
	13402 Jul 25 16:51	30° <b>₹</b> 5		minimum elong	13403 Jul 02 24:00	21° <b>5</b> 02'27	3°09'29
direct	13402 Jul 30 19:40	28° <b>©</b> 14'59		min. Earth dist.	13403 Jul 04 02:58	19° <b>5</b> 32'26	0.67536 AU
desc. node	13402 Jul 31 08:19	28° <b>©</b> 16'00		morning rise	13403 Jul 08 08:25	14° <b>5</b> 41'09	
	13402 Aug 05 12:03	$0^{\circ}\Omega$		direct	13403 Jul 14 05:21	12° <b>©</b> 06'31	
morning max el	13402 Aug 12 20:11	5° <b>Ω</b> 58'51	26°32'05	desc. node	13403 Jul 18 05:39	13° <b>©</b> 05'56	
	13402 Aug 31 08:04	0° <b>m</b> ∕		morning max el	13403 Jul 26 06:59	19° <b>©</b> 20'36	25°14'39
morning set	13402 Sep 17 17:18	29° <b>m</b> 29'07			13403 Aug 04 08:29	$0^{\circ}\Omega$	
	13402 Sep 17 23:51	0∘ <b>⊽</b>			13403 Aug 24 10:22	0° <b>m</b> )	
max. Earth dist.	13402 Sep 21 16:57	7° <b>≙</b> 10'43	1.34455 AU	morning set	13403 Aug 31 05:11	11° <b>m</b> 43'21	
asc. node	13402 Sep 24 07:22	12° <b>₽</b> 23'14		max. Earth dist.	13403 Sep 03 19:24	18° <b>m</b> 17'10	1.36484 AU
					13403 Sep 09 21:43	0∘ <b>ত</b>	
superior conj	13402 Sep 26 15:27	17° <b>≏</b> 10'53	0°22'00				
minimum elong	13402 Sep 26 14:16	17° <b>≙</b> 04'50	0°21'58	superior conj	13403 Sep 10 04:51	0° <b>≙</b> 35'19	-0°09'00
	13402 Oct 02 17:53	0° <b>M</b> .		minimum elong	13403 Sep 10 05:25	0° <b>ჲ</b> 38'08	0°08'59
evening rise	13402 Oct 04 02:13	2°M49'46		behind sun begin	13403 Sep 10 00:03	0° <b>≙</b> 11'33	
	13402 Oct 19 08:30	0° <b>∡</b> ¹		behind sun end	13403 Sep 10 10:47	1° <b>≙</b> 04'45	
evening max el	13402 Oct 23 10:02	4° <b>∡</b> ¹40'42	21°04'45	asc. node	13403 Sep 11 03:55	2° <b>₽</b> 30'05	
desc. node	13402 Oct 27 04:31	7° <b>∡</b> ¹49'40		evening rise	13403 Sep 18 07:54	17° <b>♀</b> 02'30	
retrograde	13402 Nov 04 04:07	10° <b>∡</b> ³31'12			13403 Sep 24 22:55	0° <b>M</b> .	
evening set	13402 Nov 06 17:20	10° <b>∡</b> 15'51		evening max el	13403 Oct 05 16:42	15° <b>M</b> ₊38'00	19°47'29
inferior conj	13402 Nov 15 16:06	6° <b>∡</b> ¹22'12	-5°17'09	desc. node	13403 Oct 14 01:56	20°M32'22	
minimum elong	13402 Nov 15 07:10	6° <b>∡</b> ³34'49	5°14'28	retrograde	13403 Oct 15 19:44	20°M41'03	
min. Earth dist.	13402 Nov 16 07:10	6° <b>∡</b> ¹00'52	0.54520 AU	evening set	13403 Oct 17 17:50	20°M30'57	
morning rise	13402 Nov 23 21:27	2° <b>∡</b> ³30'42		inferior conj	13403 Oct 26 13:50	16°ML29'11	-3°47'57
direct	13402 Nov 27 23:16	1° <b>∡</b> ′55′06		minimum elong	13403 Oct 26 04:28	16°M43'41	3°44'10
morning max el	13402 Dec 10 21:59	8° <b>҂</b> 09'33	22°51'41	min. Earth dist.	13403 Oct 28 15:53	15° <b>M</b> .11'50	0.55170 AU
asc. node	13402 Dec 21 08:14	21° <b>×</b> <sup>7</sup> 27'14		morning rise	13403 Nov 03 13:30	12° <b>M</b> .13'11	
	13402 Dec 26 06:48	0°ರ		direct	13403 Nov 08 12:32	11° <b>M</b> .18'58	
morning set	13403 Jan 02 11:37	14° <b>ろ</b> 28'29		morning max el	13403 Nov 22 08:01	18°M10'21	24°40'23
-					13403 Dec 02 02:01	0° <b>∡</b> ¹	
superior conj	13403 Jan 09 10:37	29° <b>る</b> 26'25	1°32'03	asc. node	13403 Dec 08 05:14	9° <b>∡</b> ′55'41	
minimum elong	13403 Jan 09 12:09	29° <b>る</b> 34'37	1°32'54	morning set	13403 Dec 17 23:30	29° <b>∡</b> 12'43	
3	13403 Jan 09 16:54	0° <b>≈</b>		- C	13403 Dec 18 08:18	0°ెవ	
max. Earth dist.	13403 Jan 12 19:10	6° <b>≈</b> 31'46	1.33612 AU			-	
evening rise	13403 Jan 17 09:49	15° <b>≈</b> 51'31		superior conj	13403 Dec 24 18:30	14° <b>る</b> 04'30	1°37'42
desc. node	13403 Jan 23 03:31	26° <b>≈</b> 40'29		minimum elong	13403 Dec 24 18:57	14° <b>පි</b> 06'58	1°38'43
				_			
	13403 Jan 25 00:20	0° <b>∀</b>		max. Earth dist.	13403 Dec 26 19:22	18° <b>る</b> 31'04	1.32312 AU
	13403 Jan 25 00:20 13403 Feb 14 02:26	0° <b>ℋ</b> 0° <b>Ƴ</b>			13403 Dec 26 19:22 13404 Jan 01 03:12	18°る31'04 29°る45'17	1.32312 AU
evening max el			27°13'00	max. Earth dist. evening rise			1.32312 AU

dasa mada	13404 Jan 10 00:16	16° <b>≈</b> 41'31		ovenina rice	12404 Dec. 15, 04:17	13° <b>る</b> 57'23	
desc. node		16°≈41'31 0° <del>){</del>		evening rise	13404 Dec 15 04:17		
	13404 Jan 18 01:54		25022111		13404 Dec 23 07:33	0° <b>≈</b>	
evening max el	13404 Feb 03 12:28	20° <b>)</b> 45′55	27°33'11	desc. node	13404 Dec 26 21:08	6°≈19'05	
retrograde	13404 Feb 17 07:55	28° <b>米</b> 11'35			13405 Jan 12 15:10	0° <b>∀</b>	
evening set	13404 Feb 24 05:11	25° <b>)</b> 47′12		evening max el	13405 Jan 15 20:27	3° <b>₩</b> 17'39	27°21'39
min. Earth dist.	13404 Feb 27 23:33	22° <b>∺</b> 36′12	0.63219 AU	retrograde	13405 Jan 29 19:19	10° <b>)</b> 35′36	
inferior conj	13404 Mar 01 18:40	19° <b>)</b> 48′59	-1°05'23	evening set	13405 Feb 05 16:13	8° <b>)</b> €26'49	
minimum elong	13404 Mar 01 20:48	19° <b>)</b> 43′39	1°04'13	min. Earth dist.	13405 Feb 09 10:56	5° <b>¥</b> 38′03	0.61103 AU
asc. node	13404 Mar 05 02:53	16° <b>)</b> 42′56		inferior conj	13405 Feb 12 13:34	2° <b>)</b> 53′52	-2°24'24
morning rise	13404 Mar 08 14:55	14° <b>)</b> 35'20		minimum elong	13405 Feb 12 18:42	2° <b>)</b> (42'33	
direct	13404 Mar 10 23:32	14° <del>X</del> 08'38		minimum clong	13405 Feb 16 02:32	2 7(42 33 30°R≈	2 21 4)
			17°46'30			-	
morning max el	13404 Mar 17 12:09	17° <b>)</b> €28'47	1/°46′30	morning rise	13405 Feb 20 00:13	27°≈58'28	
	13404 Mar 26 13:54	0° <b>Υ</b>		asc. node	13405 Feb 20 00:20	27° <b>≈</b> 58′23	
morning set	13404 Apr 02 18:56	12° <b>Y</b> 16′27		direct	13405 Feb 22 03:09	27° <b>≈</b> 39'36	
desc. node	13404 Apr 07 02:20	19° <b>Ƴ</b> 41'15			13405 Feb 27 20:02	0° <b>)</b> €	
	13404 Apr 13 05:08	$_{0\circ}$ 8		morning max el	13405 Mar 01 04:24	1° <b>米</b> 12′29	17°53'22
				morning set	13405 Mar 16 19:12	25° <b>)</b> 36′11	
superior conj	13404 Apr 15 04:02	3° <b>8</b> 13'40	-0°59'55	C	13405 Mar 19 05:25	$0^{\circ}$ Y	
minimum elong	13404 Apr 14 22:00	2° <b>8</b> 48'52		desc. node	13405 Mar 24 22:53	10° <b>Y</b> 13′50	
max. Earth dist.	13404 Apr 21 06:30	13° <b>8</b> 05'58	1.44586 AU	desc. node	13403 Wai 24 22.33	10   1330	
	-		1.44360 AU		12405 M 27 11 41	1.400020142	0010154
evening rise	13404 Apr 30 08:56	27° <b>8</b> 19'33		superior conj	13405 Mar 27 11:41	14° <b>Y</b> 38'42	
	13404 May 02 02:52	$\Pi$ °0		minimum elong	13405 Mar 27 09:53	14° <b>Ƴ</b> 30'58	0°19'47
	13404 May 22 18:41	0		max. Earth dist.	13405 Apr 03 20:54	27° <b>Y</b> ′04'05	1.42996 AU
evening max el	13404 May 29 13:49	8° <b>5</b> 02'37	20°43'53		13405 Apr 05 16:07	$9^{\circ}$ 8	
asc. node	13404 May 31 23:52	10° <b>©</b> 14'33		evening rise	13405 Apr 10 05:10	7° <b>8</b> 14'51	
retrograde	13404 Jun 06 20:01	12° <b>©</b> 49'25			13405 Apr 25 08:03	$\Pi^{\circ}0$	
evening set	13404 Jun 11 00:10	11° <b>©</b> 10'52		evening max el	13405 May 12 09:15	21° <b>∏</b> 52'17	21°58'16
inferior conj	13404 Jun 16 06:17	5°902'35	3°11'44	asc. node	13405 May 18 21:02	26° <b>∏</b> 44'15	
minimum elong	13404 Jun 16 05:54	5°903'54	3°10'41	retrograde	13405 May 21 18:01	27° <b>I</b> I22'11	
C				•			
min. Earth dist.	13404 Jun 16 20:06	4°9514'51	0.68445 AU	evening set	13405 May 26 09:01	25° <b>Ⅲ</b> 27'42	
	13404 Jun 20 04:23	30°RⅡ		inferior conj	13405 May 31 15:30	19° <b>∏</b> 09'17	3°01'52
morning rise	13404 Jun 21 11:22	28° <b>Ⅱ</b> 42'52		minimum elong	13405 May 31 14:14	19° <b>Ⅱ</b> 13'42	3°00'43
direct	13404 Jun 26 20:21	26° <b>Ⅱ</b> 20'59		min. Earth dist.	13405 May 31 16:08	19° <b>Ⅱ</b> 07'04	0.68880 AU
desc. node	13404 Jul 04 02:53	29° <b>Ⅲ</b> 34'37		morning rise	13405 Jun 05 19:15	12° <b>Ⅱ</b> 55'26	
	13404 Jul 04 15:23	0°ಅ		direct	13405 Jun 10 15:33	10° <b>∏</b> 51'18	
morning max el	13404 Jul 07 17:13	2° <b>©</b> 50'53	23°46'37	morning max el	13405 Jun 20 05:12	16° <b>Ⅱ</b> 28'57	22°17'36
3	13404 Jul 28 10:29	$0^{\circ}\Omega$		desc. node	13405 Jun 21 00:01	17° <b>I</b> 17'11	
morning got	13404 Aug 11 20:56	23°Ω02'47		desc. node	13405 Jul 01 07:18	0°95	
morning set	· ·		1 20700 411				
max. Earth dist.	13404 Aug 15 16:57	29° <b>Ω</b> 40'40	1.38790 AU		13405 Jul 21 11:11	0°N	
	13404 Aug 15 21:21	0° <b>m</b> )		morning set	13405 Jul 23 12:28	3° <b>Ω</b> 17'55	
				max. Earth dist.	13405 Jul 28 16:49	11° <b>Ω</b> 50′08	1.41120 AU
superior conj	13404 Aug 23 05:15	13° <b>m</b> 21'54	-0°43'14				
minimum elong	13404 Aug 23 08:20	13° Mp 36'26	0°43'06	superior conj	13405 Aug 05 12:30	25° <b>Ω</b> 21'40	-1°18'02
asc. node	13404 Aug 28 00:28	22° m 33'49		minimum elong	13405 Aug 05 18:19	25° <b>Ω</b> 47'38	1°17'53
	13404 Aug 31 19:46	0∘ <u>⊽</u>		Č	13405 Aug 08 02:25	0° <b>m</b>	
evening rise	13404 Sep 01 07:04	0° <b>£</b> 55'17		asc. node	13405 Aug 14 21:04	12° mp 31'14	
evening max el	13404 Sep 17 13:02	27° <b>₽</b> 23'57	18°51'54	evening rise	13405 Aug 15 20:23	14° Mp 20'09	
evening max ci	•		16 31 34	evening rise	-		
	13404 Sep 20 17:16	0°M			13405 Aug 24 13:17	0° <b>ʊ</b>	10017126
retrograde	13404 Sep 26 02:24	1°M41'40		evening max el	13405 Aug 31 19:29	9° <b>£</b> 52'26	18°17'36
evening set	13404 Sep 27 23:34	1° <b>M</b> 29'59		retrograde	13405 Sep 08 04:22	13° <b>≏</b> 36'35	
desc. node	13404 Sep 29 23:25	0° <b>M</b> 53'55		evening set	13405 Sep 10 07:18	13° <b>≏</b> 18'41	
	13404 Oct 01 21:10	30° <b>₹</b> Ω		desc. node	13405 Sep 16 20:56	9° <b>₽</b> 23'08	
inferior conj	13404 Oct 06 05:17	27° <b>♀</b> 10'57	-1°58'38	inferior conj	13405 Sep 17 18:29	8° <b>亞</b> 38'33	-0°16'51
minimum elong	13404 Oct 06 00:18	27° <b>₽</b> 19'51	1°56'18	minimum elong	13405 Sep 17 17:52	8° <b>ഫ</b> 39'50	0°16'33
min. Earth dist.	13404 Oct 09 05:28	25° <b>ഫ</b> 02'37	0.56648 AU	min. Earth dist.	13405 Sep 21 01:51	5° <b>Ω</b> 53'52	0.58687 AU
morning rise	13404 Oct 13 21:48	22° <b>♀</b> 18'47	0.000.0110	morning rise	13405 Sep 25 00:59	3° <b>⊆</b> 10'36	0.00007 110
direct				direct	=	1° <b>£</b> 24'08	
	13404 Oct 19 15:35	20° <b>£</b> 59'46	26917115		13405 Oct 01 08:36		27925140
morning max el	13404 Nov 02 20:34	28° <b>£</b> 20'16	26°17'15	morning max el	13405 Oct 15 16:12	9° <b>Ω</b> 05'41	27°25'49
	13404 Nov 04 12:21	0° <b>M</b> ,			13405 Oct 31 15:42	0° <b>™</b>	
asc. node	13404 Nov 24 02:09	28°M57'56		asc. node	13405 Nov 10 22:59	18°M25'02	
	13404 Nov 24 15:13	0° <b>∡</b> ¹		morning set	13405 Nov 15 18:11	28°M15'03	
morning set	13404 Dec 01 10:15	13° <b>∡</b> °49'41			13405 Nov 16 13:52	0° <b>∡</b>	
superior conj	13404 Dec 08 05:14	28° <b>∡</b> ¹47'27	1°37'14	superior conj	13405 Nov 22 16:53	13° <b>∡</b> ¹29'35	1°30'53
minimum elong	13404 Dec 08 04:36	28° <b>∡</b> ¹43'57		minimum elong	13405 Nov 22 15:21	13° <b>≯</b> 21'01	1°31'43
viong	13404 Dec 08 18:16	0° <b>る</b>	• •	max. Earth dist.	13405 Nov 22 09:43	12° <b>×</b> <sup>7</sup> 49'33	1.31207 AU
max. Earth dist.	13404 Dec 09 01:15		1.31504 AU	evening rise	13405 Nov 29 10:45	28° <b>×</b> <sup>7</sup> 21'49	1.5120/ AU
man. Laith Uist.	13707 DCC 07 01.13	0 03040	1.51504 AU	evening rise	13703 INOV 47 10.43	20 × 2149	

·			Č	· //		•	
	13405 Nov 30 05:10	0°ಕ			13406 Nov 22 08:14	6°0	
desc. node	13405 Dec 13 18:05	25° <b>る</b> 23'59		desc. node	13406 Nov 30 15:10	ਾਠ 13° <b>ਠ</b> 43'51	
uese. Houe	13405 Dec 16 17:12	23 <b>O</b> 23 39			13406 Dec 10 14:57	25° <b>る</b> 51'45	25017121
			26925120	evening max el			23 1/21
evening max el	13405 Dec 28 21:55	15° <b>≈</b> 00'55	26°35'20		13406 Dec 15 19:42	0° <b>≈</b>	
retrograde	13406 Jan 11 20:54	22° <b>≈</b> 08′25		retrograde	13406 Dec 24 11:01	2° <b>≈</b> 48'45	
evening set	13406 Jan 18 10:02	20° <b>≈</b> 23'02		evening set	13406 Dec 30 06:30	1° <b>≈</b> 32'15	
min. Earth dist.	13406 Jan 22 11:46	17° <b>≈</b> 45'58	0.58934 AU		13407 Jan 02 06:48	30°Ŗる	
inferior conj	13406 Jan 25 15:34	15° <b>≈</b> 21′00	-3°47'42	min. Earth dist.	13407 Jan 04 03:02	28° <b>る</b> 51'40	0.56933 AU
minimum elong	13406 Jan 25 23:33	15° <b>≈</b> 05'39	3°44'15	inferior conj	13407 Jan 06 21:33	27° <b>る</b> 01'20	-5°03'21
morning rise	13406 Feb 02 16:04	10° <b>≈</b> 46'35		minimum elong	13407 Jan 07 06:04	26° <b>⋜</b> 47'11	5°00'29
direct	13406 Feb 04 17:01	10° <b>≈</b> 31'52		morning rise	13407 Jan 15 08:03	22° <b>る</b> 49'14	
asc. node	13406 Feb 06 21:46	10° <b>≈</b> 49'45		direct	13407 Jan 17 12:54	22° <b>る</b> 35'02	
morning max el	13406 Feb 12 15:28	14°≈27'15	10010142	asc. node	13407 Jan 24 19:08	25° <b>る</b> 21'37	
morning max er			10 1942				10007127
	13406 Feb 23 06:28	0° <b>)</b>		morning max el	13407 Jan 26 17:24	27° <b>る</b> 02'23	19°07'27
morning set	13406 Feb 28 09:36	9° <b>)</b> 34′08			13407 Jan 29 09:46	0° <b>≈</b>	
				morning set	13407 Feb 12 09:40	23° <b>≈</b> 57'12	
superior conj	13406 Mar 09 17:37	27° <b>₩</b> 04'48	0°16'35		13407 Feb 15 10:46	0° <b>∀</b>	
minimum elong	13406 Mar 09 18:49	27° <b>∺</b> 10′19	0°16'32				
	13406 Mar 11 08:18	$0$ ° $\Upsilon$		superior conj	13407 Feb 20 17:28	10° <b>)</b> 20′10	0°46'46
desc. node	13406 Mar 11 19:23	0° <b>Ƴ</b> 49'44		minimum elong	13407 Feb 20 20:02	10° <b>)</b> 32'33	0°46'48
max. Earth dist.	13406 Mar 17 07:02	10° <b>Y</b> 25′17	1.40972 AU	desc. node	13407 Feb 26 15:54	21° <b>¥</b> 25'46	
evening rise	13406 Mar 21 20:11	18° <b>Ƴ</b> 01'34		max. Earth dist.	13407 Feb 27 13:54	23° <b>)</b> 04'57	1.38734 AU
evening rise	13406 Mar 29 09:03	0°8			13407 Mar 03 08:26	29° <b>)</b> 43'20	1.36734 AC
		_		evening rise		29 <del>Υ</del> (43 20 0° <b>Υ</b>	
	13406 Apr 19 20:50	0°Ⅱ 5°Ⅲ 1210 €	22010124		13407 Mar 03 12:18		
evening max el	13406 Apr 25 00:50	5° <b>Ⅱ</b> 43'06	23°18'34		13407 Mar 22 17:36	0°8	
retrograde	13406 May 05 13:35	11° <b>Ⅱ</b> 55'11		evening max el	13407 Apr 07 14:31	19° <b>8</b> 35'14	24°38'31
asc. node	13406 May 05 18:20	11° <b>Ⅱ</b> 55′00		retrograde	13407 Apr 19 05:37	26° <b>8</b> 22'56	
evening set	13406 May 10 16:06	9° <b>Ⅱ</b> 46′09		asc. node	13407 Apr 22 15:41	25° <b>8</b> 31'31	
min. Earth dist.	13406 May 15 12:53	4° <b>Ⅱ</b> 01'55	0.68843 AU	evening set	13407 Apr 24 19:50	24° <b>8</b> 01'53	
inferior conj	13406 May 16 01:01	3° <b>Ⅱ</b> 20′07	2°41'41	min. Earth dist.	13407 Apr 29 08:16	18° <b>8</b> 53'52	0.68345 AU
minimum elong	13406 May 15 23:07	3° <b>Ⅱ</b> 26'38	2°40'26	inferior conj	13407 Apr 30 08:57	17° <b>8</b> 31'36	2°11'23
	13406 May 18 13:27	30°R <b>∀</b>		minimum elong	13407 Apr 30 06:47	17° <b>8</b> 38'48	2°10'06
morning rise	13406 May 21 06:04	27° <b>8</b> 13'32		morning rise	13407 May 05 17:56	11° <b>8</b> 33'27	2 10 00
•	13406 May 25 13:36	25° <b>8</b> 29'52		direct	13407 May 09 13:11	10° <b>8</b> 10'42	
direct	•	_			,	_	10045114
	13406 Jun 02 15:16	0°II		morning max el	13407 May 16 22:26	14° <b>8</b> 16'47	19°45'14
morning max el	13406 Jun 02 22:11	0° <b>Ⅱ</b> 16'59	20°55'21	desc. node	13407 May 25 17:56	25° <b>8</b> 08'20	
desc. node	13406 Jun 07 21:02	5° <b>Ⅱ</b> 53'12			13407 May 29 03:47	$\Pi$ °0	
	13406 Jun 24 23:48	$0$ $\circ$		greatest brilliancy	13407 May 29 18:17	0° <b>Ⅱ</b> 52'44	-0.6m
morning set	13406 Jul 03 03:48	12° <b>©</b> 29'57		morning set	13407 Jun 12 05:29	21° <b>Ⅱ</b> 09'54	
max. Earth dist.	13406 Jul 10 23:14	24° <b>©</b> 54'28	1.43181 AU		13407 Jun 17 22:35	$0$ $\circ$ $\odot$	
	13406 Jul 14 01:58	$0^{\circ}\Omega$		max. Earth dist.	13407 Jun 23 12:09	8°9544'14	1.44738 AU
superior conj	13406 Jul 17 22:08	6° <b>Ω</b> 24'19	-1°48'54	superior conj	13407 Jun 28 07:51	16° <b>5</b> 26'11	-2°09'18
minimum elong	13406 Jul 18 05:20	6°Ω54'40		minimum elong	13407 Jun 28 12:23	16°9544'26	
evening rise	13406 Jul 29 19:27	27°Ω05'49	1 4700	minimum ciong	13407 Jul 06 14:34	0°Ω	2 10 00
evening rise							
	13406 Jul 31 10:39	0° <b>m</b> )		evening rise	13407 Jul 11 23:12	8° <b>Ω</b> 59'57	
asc. node	13406 Aug 01 17:44	2° Mp 17'49		asc. node	13407 Jul 19 14:27	21° <b>Ω</b> 48'41	
evening max el	13406 Aug 15 07:46	22° <b>m</b> 53'00	18°03'21		13407 Jul 24 20:44	0° <b>™</b>	
retrograde	13406 Aug 21 23:25	26° Mp 18'18		evening max el	13407 Jul 29 22:06	6° Mp 16′00	18°07'58
evening set	13406 Aug 24 10:05	25° <b>m</b> 50'28		retrograde	13407 Aug 05 06:56	9° <b>™</b> 36'34	
inferior conj	13406 Aug 31 03:53	20° <b>m</b> 50'03	1°04'29	evening set	13407 Aug 08 01:52	8° <b>m</b> 55'51	
minimum elong	13406 Aug 31 05:43	20° m 45'38	1°03'35	inferior conj	13407 Aug 14 05:37	3° <b>m</b> 37'37	2°03'21
min. Earth dist.	13406 Sep 03 07:01	17° <b>m</b> ) 49'43	0.60958 AU	minimum elong	13407 Aug 14 08:08	3° m/30'44	2°02'04
desc. node	13406 Sep 03 18:27	17° m) 23'45		min. Earth dist.	13407 Aug 16 21:56	0° m 42'44	0.63189 AU
morning rise	13406 Sep 06 22:32	14° <b>m</b> 54'08		Time Darwi Gibt.	13407 Aug 17 14:31	30°R.Ω	0.03107110
direct	=	-		morning risa	-	27° <b>Ω</b> 23'56	
	13406 Sep 13 13:25	12° Mp 42'28	27056157	morning rise	13407 Aug 20 12:28		
morning max el	13406 Sep 27 19:21	20° m/38'19	21 3031	desc. node	13407 Aug 21 15:58	26° <b>Ω</b> 36'19	
	13406 Oct 05 21:30	0∘ <b>亚</b>		direct	13407 Aug 27 04:21	24° <b>Ω</b> 53'35	
	13406 Oct 24 15:25	0°M₊			13407 Sep 07 00:08	0° <b>m</b> )	
asc. node	13406 Oct 28 19:45	8°M09'55		morning max el	13407 Sep 10 03:50	2° m 55'23	27°49'24
morning set	13406 Oct 30 21:24	12°M24'10			13407 Sep 30 07:53	0∘ <b>ত</b>	
max. Earth dist.	13406 Nov 05 17:01	24°M54'12	1.31428 AU	morning set	13407 Oct 14 17:34	26° <b>≏</b> 10'38	
				asc. node	13407 Oct 15 16:23	28° <b>≏</b> 06'17	
superior conj	13406 Nov 07 03:38	28°M05'39	1°18'48		13407 Oct 16 14:33	$0^{\circ}$ M	
minimum elong	13406 Nov 07 01:30	27°M53'52		max. Earth dist.	13407 Oct 19 19:02	6° <b>M</b> 41'47	1.32183 AU
	13406 Nov 08 00:13	0° <b>⊼</b> ¹			· · · · · · · · · · · · · · · · · ·		
evening rise	13406 Nov 13 20:31	12° <b>∡</b> 753'12		superior conj	13407 Oct 22 11:27	12°M29'25	1°01'03
Creming 1150	13-100 (101 13 20.31	12 7 33 12		superior conj	1370/ OCL 22 11.2/	12 1102723	1 0105

minimum elong	13407 Oct 22 09:11	12°M17'06	1°01'18	minimum elong	13408 Oct 05 12:28	26° <b>£</b> 26'18	0°37'49
evening rise	13407 Oct 29 07:37	27°M25'32			13408 Oct 07 04:41	0° <b>M</b>	
	13407 Oct 30 12:32	0° <b>∡</b> ¹		evening rise	13408 Oct 12 18:15	11°M54'33	
	13407 Nov 16 17:08	0°ರ			13408 Oct 21 22:35	0°⊀	
desc. node	13407 Nov 17 12:21	1° <b>る</b> 00'44		evening max el	13408 Nov 02 13:17	16° <b>∡</b> 03'55	21°57'56
evening max el	13407 Nov 22 01:21	6° <b>る</b> 01'29	23°39'04	desc. node	13408 Nov 03 09:37	16° <b>₹</b> 52'11	
retrograde	13407 Dec 05 12:36	12° <b>る</b> 43'51	23 37 0.	retrograde	13408 Nov 15 02:48	22° <b>×</b> 17'42	
evening set	13407 Dec 10 03:10	11° <b>る</b> 57'38		evening set	13408 Nov 18 07:37	21° <b>×</b> <sup>7</sup> 54'51	
•			0.55201 ATT	-			E94(1E0
min. Earth dist.	13407 Dec 16 11:53	8°る54'14		inferior conj	13408 Nov 27 01:36	18° <b>₹</b> 00'14	
inferior conj	13407 Dec 18 07:00	7° <b>る</b> 50'32		minimum elong	13408 Nov 26 20:25		5°45'27
minimum elong	13407 Dec 18 10:41	7° <b>る</b> 45'04	5°49'37	min. Earth dist.	13408 Nov 26 18:17	18° <b>∡</b> 10′29	0.54575 AU
morning rise	13407 Dec 26 20:00	3° <b>る</b> 56'54		morning rise	13408 Dec 05 10:15	14° <b>⊀</b> 12'53	
direct	13407 Dec 29 12:56	3° <b>る</b> 38'52		direct	13408 Dec 08 23:07	13° <b>∡</b> ⁴45'16	
morning max el	13408 Jan 09 06:23	8° <b>る</b> 46'37	20°18'14	morning max el	13408 Dec 21 04:56	19° <b>∡</b> ³36'47	21°50'54
asc. node	13408 Jan 11 16:24	11° <b>る</b> 20'39		asc. node	13408 Dec 28 13:34	28° <b>₹</b> 29'59	
	13408 Jan 23 09:13	0° <b>≈</b>			13408 Dec 29 13:42	0°ප	
morning set	13408 Jan 27 16:00	8° <b>≈</b> 34'34		morning set	13409 Jan 11 02:04	23° <b>ප</b> 19'01	
C				C	13409 Jan 14 05:43	0° <b>≈</b>	
superior conj	13408 Feb 04 06:38	24° <b>≈</b> 11'08	1°09'51				
minimum elong	13408 Feb 04 09:21	24°≈24'46	1°10'11	superior conj	13409 Jan 18 05:22	8° <b>≈</b> 26'54	1°25'53
minimum clong	13408 Feb 07 04:46	0° <b>\</b>	1 1011	1 3	13409 Jan 18 07:27	8°≈37'50	1°26'34
To all the			1.26526 444	minimum elong			
max. Earth dist.	13408 Feb 09 20:54	5° <b>)</b> €09'55	1.36526 AU	max. Earth dist.	13409 Jan 22 09:02	17°≈00'36	1.34570 AU
evening rise	13408 Feb 13 15:56	12° <b>)</b> 13'34		evening rise	13409 Jan 26 15:19	25°≈23'23	
desc. node	13408 Feb 13 12:27	11° <b>¥</b> 57'43			13409 Jan 29 02:08	0° <b>∀</b>	
	13408 Feb 24 01:51	$0^{\circ}$ Y		desc. node	13409 Jan 30 09:03	2° <b>∺</b> 21'39	
	13408 Mar 16 21:00	$9^{\circ}$ 8			13409 Feb 16 13:14	$0$ ° $\Upsilon$	
evening max el	13408 Mar 20 03:53	3° <b>8</b> 26'07	25°51'13	evening max el	13409 Mar 02 17:36	17° <b>Ƴ</b> 09'53	26°49'14
retrograde	13408 Apr 01 17:07	10° <b>8</b> 38'48		retrograde	13409 Mar 15 23:05	24° <b>Ƴ</b> 34'59	
evening set	13408 Apr 07 18:34	8° <b>8</b> 09'32		evening set	13409 Mar 22 10:25	22° <b>Y</b> 02'43	
asc. node	13408 Apr 08 13:06	7° <b>8</b> 28'28		asc. node	13409 Mar 26 10:33	18° <b>Ƴ</b> 03'59	
min. Earth dist.	13408 Apr 12 00:13	3° <b>8</b> 36'50	0.67403 AU	min. Earth dist.	13409 Mar 26 10:35	18° <b>Ƴ</b> 03'53	0.66053 AU
inferior conj	13408 Apr 13 13:19	1° <b>8</b> 39'46	1°30'39	inferior conj	13409 Mar 28 11:56	15° <b>Y</b> 39'32	0°38'57
minimum elong	13408 Apr 13 11:24	1° <b>8</b> 45'50	1°29'32	minimum elong	13409 Mar 28 10:56	15° <b>Υ</b> 42'29	0°38'22
minimum clong	13408 Apr 14 21:26	30°RY	1 2732	morning rise	13409 Apr 03 12:43	10°Υ02'25	0 30 22
	-	25° <b>Υ</b> 51'16		•	•	9° <b>Υ</b> 15'58	
morning rise	13408 Apr 19 04:52	25° <b>Y</b> 31°16 24° <b>Y</b> 48'00		direct	13409 Apr 06 10:26		10011150
direct	13408 Apr 22 12:45		10050100	morning max el	13409 Apr 12 19:43	12° <b>Y</b> 37'49	18°11'58
morning max el	13408 Apr 29 06:08	28° <b>Y</b> °25'43	18°50'20		13409 Apr 25 09:05	0° <b>8</b>	
	13408 Apr 30 18:14	0°8		desc. node	13409 Apr 28 11:22	4° <b>8</b> 56'16	
desc. node	13408 May 11 14:42	14° <b>8</b> 52'00		morning set	13409 May 02 00:18	10° <b>8</b> 37'18	
greatest brilliancy	13408 May 13 01:39	17° <b>8</b> 04'45	-0.8m		13409 May 14 04:30	$\Pi$ $\circ 0$	
	13408 May 21 10:18	$\Pi$ $\circ$ 0					
morning set	13408 May 21 14:33	0° <b>Ⅱ</b> 16'35		superior conj	13409 May 17 05:51	4° <b>Ⅱ</b> 47'50	-1°55'16
max. Earth dist.	13408 Jun 05 05:29	23° <b>Ⅱ</b> 03′28	1.45637 AU	minimum elong	13409 May 16 21:15	4° <b>Ⅱ</b> 14'10	1°55'31
				max. Earth dist.	13409 May 19 01:07	7° <b>Ⅱ</b> 37′02	1.45808 AU
superior conj	13408 Jun 06 21:56	25° <b>Ⅱ</b> 41'48	-2°12'22	evening rise	13409 Jun 02 07:22	29° <b>Ⅱ</b> 48'31	
minimum elong	13408 Jun 06 19:13	25° <b>I</b> [31'13		<b>3</b>	13409 Jun 02 10:19	0°ಅ	
minimum ciong	13408 Jun 09 15:41	0°99	2 13 21	greatest brilliancy	13409 Jun 13 18:41	17° <b>©</b> 30'07	-0.7m
evening rise	13408 Jun 22 03:13	19° <b>9</b> 53'10		asc. node	13409 Jun 22 08:10	29°937'11	J.,
evening 1150	13408 Jun 28 09:56	0°Ω		asc. nouc	13409 Jun 22 15:28	0°Ω	
,							1001010
asc. node	13408 Jul 05 11:16	10° <b>Ω</b> 57'55	10020120	evening max el	13409 Jun 25 20:53	3° <b>Ω</b> 38'34	19°10'28
evening max el	13408 Jul 12 11:20	19° <b>£</b> 53'36	18°30'39	retrograde	13409 Jul 02 19:02	7° <b>Ω</b> 29'06	
retrograde	13408 Jul 18 22:38	23° <b>Ω</b> 22'50		evening set	13409 Jul 06 07:41	6° <b>Ω</b> 16'53	
evening set	13408 Jul 22 02:10	22° <b>Ω</b> 27'04		inferior conj	13409 Jul 11 18:22	0° <b>Ω</b> 28'35	
inferior conj	13408 Jul 27 19:38	16° <b>Ω</b> 53′03	2°42'08	minimum elong	13409 Jul 11 19:36	0° <b>Ω</b> 24'35	3°03'08
minimum elong	13408 Jul 27 21:45	16° <b>Ω</b> 46'39	2°40'55		13409 Jul 12 03:11	30° <b>₹</b> 🥯	
min. Earth dist.	13408 Jul 29 22:11	14° <b>Ω</b> 21'18	0.65180 AU	min. Earth dist.	13409 Jul 13 06:20	28° <b>©</b> 32'22	0.66803 AU
morning rise	13408 Aug 02 16:12	10° <b>Q</b> 30′51		morning rise	13409 Jul 17 06:55	24°9504'27	
desc. node	13408 Aug 07 13:25	8° <b>Ω</b> 00′18		direct	13409 Jul 23 10:07	21° <b>©</b> 25'16	
direct	13408 Aug 09 03:47	7° <b>Ω</b> 51'05		desc. node	13409 Jul 25 10:49	21°5940'27	
morning max el	13408 Aug 22 14:41	15° <b>Ω</b> 46'23	27°08'03	morning max el	13409 Aug 05 01:33	28°958'28	26°01'02
0	13408 Sep 03 07:54	0° my		0	13409 Aug 06 01:20	0° <b>Ω</b>	
	13408 Sep 22 02:40	0∘ <del>ত</del> الم			13409 Aug 28 03:22	0° <b>m</b> )	
morning set	13408 Sep 27 04:00	0 <b>=</b> 9° <b>ჲ</b> 28'16		morning set	13409 Aug 28 03:22 13409 Sep 10 01:14	22° Mp 07'48	
•	-		1 22/76 ATT	•	-	-	1 25260 ATT
max. Earth dist.	13408 Oct 01 12:18	18° <b>♀</b> 06'32	1.33476 AU	max. Earth dist.	13409 Sep 13 19:24	29° m 12'58	1.35269 AU
asc. node	13408 Oct 01 12:58	18° <b>≏</b> 09'55			13409 Sep 14 05:09	0∘ <b>⊽</b>	
	12400 0 : 07 1117	260 2 2 5 1 5	0027117	asc. node	13409 Sep 18 09:31	8° <b>≏</b> 16'19	
superior conj	13408 Oct 05 14:15	26° <b>£</b> 35'45	0~3/4/				

superior conj	13409 Sep 19 09:25	10° <b>≏</b> 17'22	0°09'23	morning set	13410 Aug 23 05:03	3° <b>m</b> 59'09	
minimum elong	13409 Sep 19 09:23	10 <b>=</b> 1722 10° <b>=</b> 14'38	0°09'23	max. Earth dist.	13410 Aug 26 19:04	10° M) 22'55	1.37449 AU
behind sun begin	13409 Sep 19 03:54	9° <b>£</b> 49'21	0 09 22	max. Earth dist.	13410 Aug 20 19.04	10 11/2233	1.37449 AU
behind sun end	13409 Sep 19 13:51	10° <b>£</b> 39'58		superior conj	13410 Sep 02 17:46	23° m/26'27	-0°23'14
evening rise	13409 Sep 27 02:21	26° <b>£</b> 14'24		minimum elong	13410 Sep 02 17:40	23° m/ 34'00	
evening rise	13409 Sep 28 22:17	0°M		asc. node	13410 Sep 05 06:04	28° m) 21'57	0 23 10
evening max el	13409 Oct 15 11:52	26°M34'56	20°29'23	use. Hode	13410 Sep 06 01:52	0° <b>⊽</b>	
evening max er	13409 Oct 19 17:32	0° <b>√</b>	20 27 23	evening rise	13410 Sep 11 05:36	ა <u>⊸</u> 10° <b>ჲ</b> 19'08	
desc. node	13409 Oct 21 07:00	0° <b>√</b> 51'02		evening rise	13410 Sep 21 22:08	0°M	
retrograde	13409 Oct 26 13:37	2°×705'08		evening max el	13410 Sep 28 00:37	7°M52'35	19°21'09
evening set	13409 Oct 28 18:26	1°×7'53'05		retrograde	13410 Oct 07 10:34	12°M35'14	1) 21 0)
evening sec	13409 Nov 03 01:24	30°RML		desc. node	13410 Oct 08 04:28	12°MJ33'33	
inferior conj	13409 Nov 06 17:53	27°M57'51	-4°43'54	evening set	13410 Oct 09 07:14	12°M24'59	
minimum elong	13409 Nov 06 07:50	28°ML12'27	4°40'26	inferior conj	13410 Oct 17 22:05	8°M16'24	-3°02'06
min. Earth dist.	13409 Nov 08 01:10	27°M12'23	0.54689 AU	minimum elong	13410 Oct 17 14:19	8°M29'08	2°58'41
morning rise	13409 Nov 14 20:49	23°ML58'07		min. Earth dist.	13410 Oct 20 11:17	6°M36'31	0.55713 AU
direct	13409 Nov 19 08:10	23°M15'04		morning rise	13410 Oct 25 19:05	3°M46'09	0.00, 00 000
morning max el	13409 Dec 02 16:54	29°M46'12	23°38'01	direct	13410 Oct 31 02:40	2°M42'09	
morning man vi	13409 Dec 02 22:42	0°×7	25 5001	morning max el	13410 Nov 14 02:58	9°M45'58	25°24'12
asc. node	13409 Dec 15 10:38	16° <b>х</b> 33'32		morning man er	13410 Nov 29 07:18	0° <b>⊼</b> 7	20 2 . 12
ase. noue	13409 Dec 22 16:39	0°ਰ		asc. node	13410 Dec 02 07:36	5° <b>х</b> 17'37	
morning set	13409 Dec 26 13:49	ෳ <b>ප</b> 04'56		morning set	13410 Dec 11 01:27	22° <b>×</b> <sup>7</sup> 46'45	
morning sec	15.107 200 20 15.17	0 30.00		morning sec	13410 Dec 14 08:54	0°ਰ	
superior conj	13410 Jan 02 10:38	22° <b>ろ</b> 58'59	1°35'13		15 110 200 11 00.5 1	• •	
minimum elong	13410 Jan 02 11:43	23° <b>පි</b> 04'52	1°36'09	superior conj	13410 Dec 17 19:58	7° <b>る</b> 39'40	1°38'14
max. Earth dist.	13410 Jan 05 05:10	28° <b>ප</b> 555'46	1.33007 AU	minimum elong	13410 Dec 17 19:57	7° <b>る</b> 39'34	1°39'16
man. Barur dige.	13410 Jan 05 17:18	0°≈	1.55007 110	max. Earth dist.	13410 Dec 19 08:23	11° <b>る</b> 00'23	1.31911 AU
evening rise	13410 Jan 10 03:04	9° <b>≈</b> 03'45		evening rise	13410 Dec 25 00:02	23° <b>る</b> 06'07	1.01711110
desc. node	13410 Jan 17 05:44	22° <b>≈</b> 32'57		evening rise	13410 Dec 28 10:02	0° <b>≈</b>	
	13410 Jan 21 12:55	0° <b>)</b> €		desc. node	13411 Jan 04 02:30	12° <b>≈</b> 25'04	
	13410 Feb 12 15:49	0° <b>Υ</b>		desc. node	13411 Jan 15 07:18	0° <b>₩</b>	
evening max el	13410 Feb 13 06:51	0° <b>Υ</b> 36'33	27°25'13	evening max el	13411 Jan 26 17:25	13° <b>)</b> 31'41	27°32'24
retrograde	13410 Feb 26 22:30	8° <b>Υ</b> '03'26	27 20 13	retrograde	13411 Feb 09 14:21	20° <b>)</b> 53'43	2, 322.
evening set	13410 Mar 05 17:16	5° <b>Υ</b> 34'19		evening set	13411 Feb 16 12:25	18° <b>¥</b> 35′02	
min. Earth dist.	13410 Mar 09 13:19	2°Υ06'59	0.64343 AU	min. Earth dist.	13411 Feb 20 06:28	15° <b>)</b> 34'38	0.62345 AU
	13410 Mar 11 13:14	30°R <b>)</b> €		inferior conj	13411 Feb 23 05:18	12° <b>¥</b> 47'03	
inferior conj	13410 Mar 12 02:18	29° <b>)</b> €25'00	-0°24'04	minimum elong	13411 Feb 23 08:38	12° <b>)</b> 39′07	1°36'07
minimum elong	13410 Mar 12 03:02	29° <b>)</b> €23'03	0°23'38	asc. node	13411 Feb 28 05:30	8° <b>¥</b> 40'20	
asc. node	13410 Mar 13 08:01	28° <b>)</b> (07'04		morning rise	13411 Mar 02 07:34	7° <b>){</b> 40'44	
morning rise	13410 Mar 18 14:48	24° <b>)</b> €01'43		direct	13411 Mar 04 13:36	7° <b>)</b> 17'41	
direct	13410 Mar 21 03:48	23° <b>)</b> 28'44		morning max el	13411 Mar 11 06:20	10° <b>)</b> 41'39	17°47'09
morning max el	13410 Mar 27 12:49	26° <b>)</b> 46′18	17°50'46	5 5	13411 Mar 24 05:13	0° <b>Υ</b>	
	13410 Mar 30 09:22	0°Υ		morning set	13411 Mar 27 03:57	5° <b>Υ</b> 11'06	
morning set	13410 Apr 13 14:23	22° <b>Y</b> ′21'06		desc. node	13411 Apr 02 04:30	15° <b>Ƴ</b> 44'12	
desc. node	13410 Apr 15 07:58	25° <b>Y</b> 15'31			r		
	13410 Apr 18 04:08	0°8		superior conj	13411 Apr 07 18:51	25° <b>Y</b> 16'36	-0°42'47
				minimum elong	13411 Apr 07 14:40	24° <b>Y</b> ′59'06	
superior conj	13410 Apr 27 01:12	14° <b>8</b> 30'29	-1°22'28		13411 Apr 10 15:03	0°8	
minimum elong	13410 Apr 26 17:00	13° <b>8</b> 57'33		max. Earth dist.	13411 Apr 14 14:16	6° <b>8</b> 27'38	1.43982 AU
max. Earth dist.	13410 May 01 21:02	22° <b>8</b> 11'12	1.45239 AU	evening rise	13411 Apr 22 09:49	18° <b>8</b> 47'20	
	13410 May 06 20:51	0°II		<b>5</b>	13411 Apr 29 18:37	0°II	
evening rise	13410 May 12 20:28	9° <b>Ⅱ</b> 13'36			13411 May 21 18:33	0ಂತಾ	
Č	13410 May 26 16:11	0ං <b>ම</b>		evening max el	13411 May 22 23:28	1° <b>©</b> 15'19	21°14'23
greatest brilliancy	13410 May 27 19:45	1° <b>5</b> 640'13	-0.6m	asc. node	13411 May 27 02:19	4° <b>5</b> 643'42	
evening max el	13410 Jun 09 01:07	17°526'43	20°05'52	retrograde	13411 May 31 16:25	6°520'00	
asc. node	13410 Jun 09 05:10	17° <b>5</b> 36'48		evening set	13411 Jun 05 01:11	4° <b>5</b> 34'16	
retrograde	13410 Jun 16 17:38	21°950'02		Ç	13411 Jun 09 02:32	30° <b>Ŗ</b> Ⅱ	
evening set	13410 Jun 20 16:01	20° <b>©</b> 20'52		inferior conj	13411 Jun 10 07:10	28° <b>Ⅲ</b> 21'18	3°08'49
inferior conj	13410 Jun 25 23:01	14°9519'27	3°12'26	minimum elong	13411 Jun 10 06:23	28° <b>I</b> I24'00	3°07'45
minimum elong	13410 Jun 25 23:13	14° <b>©</b> 18'46	3°11'25	min. Earth dist.	13411 Jun 10 15:13	27° <b>Ⅲ</b> 53'17	0.68692 AU
min. Earth dist.	13410 Jun 26 20:40	13°905'57	0.67987 AU	morning rise	13411 Jun 15 11:23	22° <b>I</b> I04'03	
morning rise	13410 Jul 01 06:05	7°957'32		direct	13411 Jun 20 14:58	19° <b>∏</b> 49'32	
direct	13410 Jul 06 22:12	5°527'33		desc. node	13411 Jun 29 05:21	24° <b>Ⅱ</b> 18'17	
desc. node	13410 Jul 12 08:09	7°915'29		morning max el	13411 Jun 30 22:36	25° <b>I</b> 57'16	23°08'24
morning max el	13410 Jul 18 11:50	12°523'28	24°37'53		13411 Jul 04 15:26	0°95	<del> '</del>
<i>3</i> -2-2-	13410 Aug 01 15:53	0° <b>Ω</b>			13411 Jul 26 04:16	0°N	
	13410 Aug 20 21:49	0° <b>m</b> )		morning set	13411 Aug 04 10:55	14° <b>Ω</b> 51'59	
		· '**				352.20	

max. Earth dist.	13411 Aug 08 17:20		1.39796 AU	morning set	13412 Jul 14 15:42	24° <b>©</b> 38'56	
	13411 Aug 13 05:24	0° <b>™</b>			13412 Jul 17 23:43	$0$ $\circ$ $\Omega$	
				max. Earth dist.	13412 Jul 20 19:30	4° <b>Ω</b> 37'15	1.42039 AU
superior conj	13411 Aug 16 11:25	5° TD 54'06					
minimum elong	13411 Aug 16 15:42	6° <b>™</b> 13'49	0°57'59	superior conj	13412 Jul 28 09:53	17° <b>Ω</b> 30′00	
asc. node	13411 Aug 23 02:40	18° <b>m</b> 23'28		minimum elong	13412 Jul 28 16:36	17° <b>Ω</b> 59'15	1°31'55
evening rise	13411 Aug 26 01:05	24° Mp 01'27			13412 Aug 04 10:30	0° <b>m</b> y	
	13411 Aug 29 04:20	0∘ <b>⊽</b>		evening rise	13412 Aug 08 08:57	7° Mp 11'00	
evening max el	13411 Sep 11 01:41	19° <b>≙</b> 57'19	18°34'46	asc. node	13412 Aug 08 23:18	8° Mp 16'40	
retrograde	13411 Sep 19 01:49	23° <b>≏</b> 59'34			13412 Aug 22 02:17	0∘ <b>ত</b>	
evening set	13411 Sep 21 00:51	23° <b>≏</b> 45'49		evening max el	13412 Aug 24 11:05	2° <b>₽</b> 40'17	18°09'11
desc. node	13411 Sep 25 01:59	22° <b>♀</b> 00'54		retrograde	13412 Aug 31 11:28	6° <b>≙</b> 14'52	
inferior conj	13411 Sep 28 22:45	19° <b>≙</b> 17'37	-1°13'29	evening set	13412 Sep 02 17:27	5° <b>≙</b> 53'17	
minimum elong	13411 Sep 28 19:49	19° <b>≏</b> 23'15	1°12'03	inferior conj	13412 Sep 09 20:56	1° <b>≏</b> 04'33	0°20'27
min. Earth dist.	13411 Oct 02 03:31	16° <b>♀</b> 51'40	0.57456 AU	minimum elong	13412 Sep 09 21:37	1° <b>ഫ</b> 03'03	0°20'06
morning rise	13411 Oct 06 11:18	14° <b>≏</b> 09'25		desc. node	13412 Sep 10 23:32	0° <b>ഫ</b> 04'53	
direct	13411 Oct 12 11:24	12° <b>≏</b> 39'06			13412 Sep 11 01:43	30°R, Mp	
morning max el	13411 Oct 26 18:31	20° <b>ჲ</b> 09'31	26°50'48	min. Earth dist.	13412 Sep 13 03:42	28° mp 10'11	0.59635 AU
8	13411 Nov 04 05:30	0°M		morning rise	13412 Sep 16 22:26	25° m) 23'10	
asc. node	13411 Nov 19 04:29	24°M31'36		direct	13412 Sep 23 09:53	23° m) 25'11	
use. Houe	13411 Nov 21 22:53	0° <b>⊼</b>		uncer	13412 Oct 06 10:09	0° <del>ت</del>	
morning set	13411 Nov 25 11:17	7° <b>∡</b> 19'56		morning max el	13412 Oct 07 17:37	ა <b>–</b> 1° <b>ჲ</b> 14'48	27°43'55
morning set	13411 NOV 23 11.17	/ 🗶 1930		morning max ci	13412 Oct 07 17:57 13412 Oct 28 11:58	0°M	27 43 33
gumariar agni	13411 Dec 02 07:21	22° <b>∡</b> ¹23'14	1925!15	asc. node	13412 Oct 28 11:38 13412 Nov 05 01:16	14°ML06'37	
superior conj	13411 Dec 02 07:21 13411 Dec 02 06:18	22° <b>x</b> 17'26			13412 Nov 03 01:10	21°M38'43	
minimum elong				morning set			
max. Earth dist.	13411 Dec 02 15:56	23° <b>₹</b> 11'11	1.31311 AU	F 41 F 4	13412 Nov 12 14:29	0° <b>∡</b> ¹	1 21220 ATT
	13411 Dec 05 17:36	0°る		max. Earth dist.	13412 Nov 15 00:10	5° <b>,7</b> 19′11	1.31229 AU
evening rise	13411 Dec 09 03:41	7°る24'14					
	13411 Dec 20 21:21	0° <b>≈</b>		superior conj	13412 Nov 15 18:49		1°26'27
desc. node	13411 Dec 21 23:25	1° <b>≈</b> 50′24		minimum elong	13412 Nov 15 17:00		1°27'11
evening max el	13412 Jan 08 22:45	25°≈43′20	27°06'03	evening rise	13412 Nov 22 11:44	21° <b>∡</b> ′51'37	
	13412 Jan 14 06:31	0° <b>∀</b>			13412 Nov 26 09:03	0°ಕ	
retrograde	13412 Jan 22 21:49	2° <b>¥</b> 57'17		desc. node	13412 Dec 07 20:27	20° <b>る</b> 37'46	
evening set	13412 Jan 29 16:40	0° <b>∺</b> 57'09			13412 Dec 14 11:50	0° <b>≈</b>	
	13412 Jan 31 04:53	30° <b>R</b> ≈		evening max el	13412 Dec 20 20:32	7° <b>≈</b> 03'15	26°05'35
min. Earth dist.	13412 Feb 02 13:06	28° <b>≈</b> 15'15	0.60183 AU	retrograde	13413 Jan 03 19:08	14° <b>≈</b> 07'17	
inferior conj	13412 Feb 05 17:27	25° <b>≈</b> 36'57	-2°59'40	evening set	13413 Jan 10 01:56	12° <b>≈</b> 33'37	
minimum elong	13412 Feb 05 23:54	25° <b>≈</b> 23'31	2°56'36	min. Earth dist.	13413 Jan 14 09:44	9° <b>≈</b> 57'04	0.58041 AU
morning rise	13412 Feb 13 10:16	20° <b>≈</b> 50'33		inferior conj	13413 Jan 17 11:10	7° <b>≈</b> 44'49	-4°21'45
direct	13412 Feb 15 11:51	20° <b>≈</b> 33'53		minimum elong	13413 Jan 17 19:51	7° <b>≈</b> 29'08	4°18'21
asc. node	13412 Feb 15 02:56	20° <b>≈</b> 34'26		morning rise	13413 Jan 25 16:40	3° <b>≈</b> 20'07	
morning max el	13412 Feb 22 20:56	24°≈14'46	18°02'05	direct	13413 Jan 27 18:10	3° <b>≈</b> 06'14	
	13412 Feb 27 13:05	0° <b>∀</b>		asc. node	13413 Feb 01 00:19	4° <b>≈</b> 08'59	
morning set	13412 Mar 09 10:49	18° <b>)</b> 48′38		morning max el	13413 Feb 05 04:40	7° <b>≈</b> 14'21	18°37'17
	13412 Mar 15 12:41	$0^{\circ}\mathbf{\Upsilon}$		•	13413 Feb 19 16:45	0° <b>₩</b>	
desc. node	13412 Mar 19 01:00	6° <b>Y</b> 18'31		morning set	13413 Feb 21 05:47	2° <b>)</b> 58'34	
				<i>8</i>			
superior conj	13412 Mar 19 12:27	7° <b>Υ′</b> 09'12	-0°03'49	superior conj	13413 Mar 02 02:36	19° <b>¥</b> 58′04	0°30'12
minimum elong	13412 Mar 19 12:08	7° <b>Υ</b> ′07'48		minimum elong	13413 Mar 02 04:34	20° <b>米</b> 07'16	0°30'10
behind sun begin	13412 Mar 19 04:27	6° <b>Ƴ</b> 33'47		desc. node	13413 Mar 05 21:31	26° <b>¥</b> 55'05	
behind sun end	13412 Mar 19 19:50	7° <b>Υ</b> '41'44		dese. Hode	13413 Mar 07 14:54	0° <b>Υ</b>	
max. Earth dist.	13412 Mar 27 02:43	20° <b>Υ</b> 10'34	1.42178 AU	max. Earth dist.	13413 Mar 09 10:39	3° <b>Υ</b> 12'11	1.40029 AU
evening rise	13412 Apr 01 13:14	29° <b>Υ</b> '02'30	1.42170710	evening rise	13413 Mar 13 13:20	10° <b>Υ</b> 13'22	1.4002) 110
evening rise	13412 Apr 02 03:39	0°8		evening rise	13413 Mar 26 01:29	0°8	
		0°II		avanina may al		28° <b>8</b> 56'16	22952104
	13412 Apr 22 08:54		22022100	evening max el	13413 Apr 17 07:20	28 <b>3</b> 30 10 0° <b>Ⅱ</b>	25 55 04
evening max el	13412 May 04 16:51	15° <b>Ⅱ</b> 04'33	22-32-00	. 1	13413 Apr 18 09:43		
asc. node	13412 May 12 23:34	20° <b>Ⅱ</b> 41'52		retrograde	13413 Apr 28 08:00	5° <b>Ⅱ</b> 25'09	
retrograde	13412 May 14 13:41	20° <b>∏</b> 53′28		asc. node	13413 Apr 29 20:53	5° <b>Ⅱ</b> 14'30	
evening set	13412 May 19 09:30	18° <b>Ⅱ</b> 52'25	205.422	evening set	13413 May 03 15:22	3°Ⅱ10′50	
inferior conj	13412 May 24 16:45	12° <b>Ⅱ</b> 30'07			13413 May 06 14:26	30° <b>₹</b> 8	0.60505 :
minimum elong	13412 May 24 15:11	12° <b>Ⅱ</b> 35'34		min. Earth dist.	13413 May 08 08:25	27° <b>8</b> 41'47	0.68683 AU
min. Earth dist.	13412 May 24 11:51	12° <b>Ⅱ</b> 47'11	0.68920 AU	inferior conj	13413 May 09 01:51	26° <b>8</b> 42'20	2°30'07
morning rise	13412 May 29 20:44	6° <b>Ⅱ</b> 19'09		minimum elong	13413 May 08 23:47	26° <b>8</b> 49'21	2°28'50
direct	13412 Jun 03 11:27	4° <b>Ⅱ</b> 23'46		morning rise	13413 May 14 08:14	20° <b>8</b> 38'56	
morning max el	13412 Jun 12 12:28		21°41'20	direct	13413 May 18 10:24	19° <b>8</b> 04'11	
desc. node	13412 Jun 15 02:25	12° <b>Ⅱ</b> 25'35		morning max el	13413 May 26 08:20	23° <b>8</b> 32'52	20°23'43
	13412 Jun 28 09:29	$0$ $\circ$ $\infty$			13413 May 31 22:39	$\Pi$ °0	

1 1	12412 1 01 22 22	10 <b>H2</b> 0102		. ,	12414 7 02 01 11	120 <b>T</b> 15110	
desc. node	13413 Jun 01 23:22	1° <b>Ⅱ</b> 20′03 0° <b>©</b>		morning set	13414 Jun 03 01:11	12° <b>Ⅱ</b> 15'18 0° <b>໑</b>	
marning sat	13413 Jun 21 16:07			may Earth dist	13414 Jun 14 11:28 13414 Jun 15 19:33	2° <b>5</b> 06'00	1 45216 ATT
morning set max. Earth dist.	13413 Jun 23 23:08 13413 Jul 03 04:19	3° <b>©</b> 31'35 18° <b>©</b> 00'58	1.43915 AU	max. Earth dist.	13414 Jun 15 19:33	2 200000	1.45216 AU
max. Earm dist.	13413 Jul 03 04.19	10 2000 30	1.43913 AU	superior conj	13414 Jun 19 09:44	7° <b>©</b> 46'36	2012/01
superior conj	13413 Jul 09 09:26	28° <b>©</b> 07'10	1°50'16	minimum elong	13414 Jun 19 09:44 13414 Jun 19 11:33	7°953'48	
minimum elong	13413 Jul 09 16:08	28°534'51		minimum clong	13414 Jul 03 02:41	0°Ω	2 1402
minimum ciong	13413 Jul 10 12:41	0°Ω	1 39 43	evening rise	13414 Jul 03 18:25	1° <b>Ω</b> 05'00	
evening rise	13413 Jul 22 00:27	19° <b>Ω</b> 36'20		asc. node	13414 Jul 13 16:45	17° <b>Ω</b> 20'02	
asc. node	13413 Jul 26 20:00	27°Ω57'30		evening max el	13414 Jul 22 15:00	29°Ω22'31	18°15'28
use. Houe	13413 Jul 28 00:40	0° m		evening max or	13414 Jul 23 06:48	0° m	10 13 20
evening max el	13413 Aug 08 00:44	15° m 52'04	18°03'05	retrograde	13414 Jul 28 23:36	2° m/44'49	
retrograde	13413 Aug 14 12:12	19° Mp 13'21		evening set	13414 Jul 31 22:16	1° mp 57'45	
evening set	13413 Aug 17 02:23	18° <b>m</b> ) 40'22		<b>3</b>	13414 Aug 03 14:36	30°R <b>Ω</b>	
inferior conj	13413 Aug 23 13:47	13° m) 32'23	1°32'06	inferior conj	13414 Aug 06 21:11	26°Ω32'32	2°22'01
minimum elong	13413 Aug 23 16:05	13° <b>m</b> ) 26'31	1°30'57	minimum elong	13414 Aug 06 23:38	26° <b>Ω</b> 25'33	2°20'45
min. Earth dist.	13413 Aug 26 13:01	10° <b>m</b> 31'45	0.61932 AU	min. Earth dist.	13414 Aug 09 07:49	23° <b>Ω</b> 45′53	0.64083 AU
desc. node	13413 Aug 28 21:03	8° m/25'20		morning rise	13414 Aug 12 23:28	20° <b>Ω</b> 14'34	
morning rise	13413 Aug 30 03:19	7° m/27'49		desc. node	13414 Aug 15 18:32	18° <b>Ω</b> 30′03	
direct	13413 Sep 05 19:36	5° m 06'50		direct	13414 Aug 19 14:11	17° <b>Ω</b> 39′07	
morning max el	13413 Sep 19 23:09	13° <b>m</b> 06'31	27°58'08	morning max el	13414 Sep 02 08:47	25° <b>Ω</b> 38'53	27°35'28
	13413 Oct 03 11:32	0∘ <b>⊽</b>			13414 Sep 06 08:53	0° <b>™</b>	
	13413 Oct 20 22:39	$0^{\circ}$ M			13414 Sep 27 00:21	0∘ <b>⊽</b>	
asc. node	13413 Oct 22 21:58	3°M56'45		morning set	13414 Oct 07 10:16	19° <b>≙</b> 13'31	
morning set	13413 Oct 23 17:53	5° <b>™</b> 38′25		asc. node	13414 Oct 09 18:35	23° <b>ჲ</b> 56'57	
max. Earth dist.	13413 Oct 29 05:24	17°M16'04	1.31682 AU	max. Earth dist.	13414 Oct 12 04:08	28° <b>≏</b> 54'51	1.32671 AU
					13414 Oct 12 16:32	$0^{\circ}$ M	
superior conj	13413 Oct 31 04:33	21°M34'31	1°11'57				
minimum elong	13413 Oct 31 02:18	21°M22'08	1°12'22	superior conj	13414 Oct 15 10:32	5°M51'56	0°51'50
	13413 Nov 04 00:01	0° <b>∡</b>		minimum elong	13414 Oct 15 08:23	5°M40'23	0°51'59
evening rise	13413 Nov 06 22:16	6° <b>∡</b> ′23'41		evening rise	13414 Oct 22 09:25	20°M55'46	
	13413 Nov 19 02:49	0°ප			13414 Oct 26 17:58	0° <b>∡</b>	
desc. node	13413 Nov 24 17:34	8° <b>る</b> 32'59		desc. node	13414 Nov 11 14:48	25° <b>≯</b> 17'00	
evening max el	13413 Dec 02 10:18		24°37'08	evening max el	13414 Nov 13 20:17		22°55'21
retrograde	13413 Dec 16 03:56	24°る25'29			13414 Nov 16 13:32	0°る	
evening set	13413 Dec 21 12:07	23°る22'32	0.56104.477	retrograde	13414 Nov 26 23:42	4°る08'22	
min. Earth dist.	13413 Dec 26 22:05	20° <b>る</b> 34'23	0.56194 AU	evening set	13414 Dec 01 00:00	3° <b>る</b> 33'22	0.54024.433
inferior conj	13413 Dec 29 08:09	19° <b>ろ</b> 03'05		min. Earth dist.	13414 Dec 08 05:13	0°る14'51	0.54934 AU
minimum elong	13413 Dec 29 15:22 13414 Jan 06 20:41	18°る51'43 14°る59'19	5°26'19	inferior conj	13414 Dec 08 15:39 13414 Dec 09 10:11	30°R <i>⊀</i> 29° <i>⊀</i> 33'30	5056127
morning rise direct	13414 Jan 09 05:33	14 <b>3</b> 3919 14° <b>る</b> 44'04		minimum elong	13414 Dec 09 10:11	29° <b>x</b> '33'28	
asc. node	13414 Jan 18 21:38	14 844 04 19° <b>る</b> 19'25		morning rise	13414 Dec 17 21:53	25° <b>х</b> 44'39	3 33 33
morning max el	13414 Jan 19 01:23	19 <b>3</b> 1923	19°34'44	direct	13414 Dec 17 21:53	25° 🗷 23'05	
morning max ci	13414 Jan 27 00:43	0°≈	17 34 44	direct	13414 Dec 31 10:36	0°る	
morning set	13414 Feb 05 08:53	17° <b>≈</b> 28'47		morning max el	13415 Jan 01 08:02	0° <b>る</b> 49'07	20°55'17
morning sec	13414 Feb 11 14:10	0° <b>)</b> €		asc. node	13415 Jan 05 18:51	5° <b>ප</b> 50'41	20 33 17
	13 11 1 100 11 1 1110	٠,٨		use. House	13415 Jan 19 15:47	0° <b>≈</b>	
superior conj	13414 Feb 13 08:34	3° <b>)</b> €29'43	0°57'26	morning set	13415 Jan 20 17:06	2°≈10'41	
minimum elong	13414 Feb 13 11:20			C			
max. Earth dist.	13414 Feb 19 16:58	15° <b>)</b> 35′16	1.37776 AU	superior conj	13415 Jan 28 02:15	17° <b>≈</b> 32'47	1°17'30
desc. node	13414 Feb 20 18:01	17° <b>¥</b> 29′50		minimum elong	13415 Jan 28 04:45	17° <b>≈</b> 45'40	1°17'58
evening rise	13414 Feb 23 10:10	22° <b>) (</b> 17′10		max. Earth dist.	13415 Feb 02 02:08	27° <b>≈</b> 34'03	1.35653 AU
	13414 Feb 27 21:48	$0^{\circ}$ Y			13415 Feb 03 08:15	0° <b>∀</b>	
	13414 Mar 19 22:09	$9^{\circ}$ 8		evening rise	13415 Feb 06 00:54	5° <b>)</b> €05'47	
evening max el	13414 Mar 30 20:57	12° <b>8</b> 49'26	25°10'52	desc. node	13415 Feb 07 14:36	7° <b>¥</b> 59'17	
retrograde	13414 Apr 11 22:06	19° <b>8</b> 48'45			13415 Feb 20 18:18	$0^{\circ}$ Y	
asc. node	13414 Apr 16 18:15	18° <b>8</b> 08'34		evening max el	13415 Mar 13 10:37		26°18'06
evening set	13414 Apr 17 17:09	17° <b>8</b> 23'59			13415 Mar 17 05:37	0°8	
min. Earth dist.	13414 Apr 22 02:38	12° <b>8</b> 30'57		retrograde	13415 Mar 26 07:10	3° <b>8</b> 57'41	
inferior conj	13414 Apr 23 08:31	10° <b>8</b> 53'25	1°55'26	evening set	13415 Apr 01 13:10	1° <b>8</b> 26'27	
minimum elong	13414 Apr 23 06:23	11° <b>8</b> 00'23	1°54'11		13415 Apr 03 02:59	30°₹ <b>Υ</b>	
morning rise	13414 Apr 28 19:57	4° <b>8</b> 58'59		asc. node	13415 Apr 03 15:40	29° <b>Y</b> 27'17	
direct	13414 May 02 10:19	3° <b>8</b> 44'34	4004	min. Earth dist.	13415 Apr 05 16:22	27° <b>Y</b> ′08'33	0.66885 AU
morning max el	13414 May 09 11:43	7° <b>8</b> 36'51	19°19'51	inferior conj	13415 Apr 07 10:43	24°Υ58'58	1°10'07
desc. node	13414 May 19 20:11	20° <b>8</b> 48'32	0.7	minimum elong	13415 Apr 07 09:06	25° <b>Y</b> 03'57	1°09'11
greatest brilliancy	13414 May 22 05:39	24° <b>8</b> 19'01	-0.7m	morning rise	13415 Apr 13 05:53	19° <b>℃</b> 15'09	
	13414 May 26 00:41	$\Pi$ °0		direct	13415 Apr 16 09:23	18° <b>Ƴ</b> 19'16	

morning max el	13415 Apr 22 22:11	21° <b>Y</b> '48'18	18°31'58	morning rise	13416 Mar 27 11:38	3° <b>Y</b> 21′59	
	13415 Apr 29 13:50	$0^{\circ}S$		direct	13416 Mar 30 05:27	2° <b>Y</b> 41'45	
desc. node	13415 May 06 16:54	10° <b>8</b> 41'58		morning max el	13416 Apr 05 13:41	6° <b>Y</b> 00′15	18°00'55
morning set	13415 May 13 19:30	21° <b>8</b> 50'42			13416 Apr 22 00:31	$8^{\circ}$ 0	
	13415 May 19 00:03	$\Pi^{\circ}0$		desc. node	13416 Apr 22 13:33	0° <b>8</b> 53'18	
				morning set	13416 Apr 23 17:32	2° <b>8</b> 47'50	
superior conj	13415 May 29 19:00	16° <b>Ⅲ</b> 52'14	-2°07'28				
minimum elong	13415 May 29 13:10	16° <b>Ⅲ</b> 29'27	2°08'12	superior conj	13416 May 08 05:55	26° <b>8</b> 09'32	-1°42'47
max. Earth dist.	13415 May 29 14:46	16° <b>Ⅲ</b> 35'42	1.45812 AU	minimum elong	13416 May 07 20:46	25° <b>8</b> 33'24	1°42'43
	13415 Jun 07 04:18	0° <b>©</b>		•	13416 May 10 16:31	$\Pi^{\circ}0$	
evening rise	13415 Jun 14 11:52	11° <b>©</b> 32'27		max. Earth dist.	13416 May 11 10:49	1° <b>Ⅱ</b> 11'44	1.45651 AU
greatest brilliancy	13415 Jun 22 22:10	24°951'08	-0.8m	evening rise	13416 May 24 08:07	21° <b>I</b> I1'11	
greatest similare)	13415 Jun 26 06:15	0°Ω	0.0111	evening rise	13416 May 30 01:55	0.ತ	
asc. node	13415 Jun 30 13:35	6° <b>Ω</b> 17'37		greatest brilliancy	13416 Jun 06 16:53	11° <b>©</b> 29'53	-0.7m
evening max el	13415 Jul 06 02:54	13°Ω03'51	18°45'30	asc. node	13416 Jun 16 10:33	24°9542'00	-0.7111
retrograde	13415 Jul 12 17:45	16°Ω40'38	16 43 30	evening max el	13416 Jun 18 10:16	26°\$50'52	10022110
-				evening max er		20 <b>3</b> 30 32 0° <b>Ω</b>	19 32 10
evening set	13415 Jul 16 01:09	15° <b>Ω</b> 37'51	2052120		13416 Jun 22 10:07		
inferior conj	13415 Jul 21 15:18	9° <b>Ω</b> 57'17	2°53'20	retrograde	13416 Jun 25 15:32	0° <b>Ω</b> 54'34	
minimum elong	13415 Jul 21 17:05	9° <b>Ω</b> 51'43	2°52'12		13416 Jun 28 17:04	30°₹ <b>©</b>	
min. Earth dist.	13415 Jul 23 11:32	7° <b>Ω</b> 39'46	0.65924 AU	evening set	13416 Jun 29 08:10	29° <b>©</b> 35'13	
morning rise	13415 Jul 27 08:09	3° <b>Ω</b> 33'37		inferior conj	13416 Jul 04 16:55	23° <b>©</b> 40'58	3°09'15
direct	13415 Aug 02 16:28	0° <b>Ω</b> 53′20		minimum elong	13416 Jul 04 17:43	23° <b>©</b> 38'18	3°08'13
desc. node	13415 Aug 02 15:58	0° <b>Ω</b> 53′20		min. Earth dist.	13416 Jul 05 22:42	22° <b>©</b> 02'18	0.67359 AU
morning max el	13415 Aug 15 20:00	8° <b>Ω</b> 40'46	26°42'10	morning rise	13416 Jul 10 02:47	17° <b>©</b> 17'07	
	13415 Sep 01 12:20	0° <b>m</b> ∕		direct	13416 Jul 16 01:23	14° <b>©</b> 41'01	
	13415 Sep 19 10:40	0∘ <b>⊽</b>		desc. node	13416 Jul 19 13:20	15° <b>5</b> 26'13	
morning set	13415 Sep 20 15:31	2° <b>₽</b> 15'58		morning max el	13416 Jul 28 06:53	22° <b>©</b> 00'49	25°27'05
max. Earth dist.	13415 Sep 24 17:22	10° <b>£</b> 11'54	1.34184 AU	C	13416 Aug 04 06:22	$0^{\circ}\Omega$	
asc. node	13415 Sep 26 15:09	14° <b>≙</b> 02'13			13416 Aug 24 18:28	0° m/	
				morning set	13416 Sep 02 05:59	14° m) 37'25	
superior conj	13415 Sep 29 10:24	19° <b>≏</b> 48'28	0°26'19	max. Earth dist.	13416 Sep 05 20:51	-•	1.36157 AU
minimum elong	13415 Sep 29 09:02	19° <b>≏</b> 41'23	0°26'18	max. Earth dist.	13416 Sep 10 09:31	0° <b>ي</b>	1.50157710
minimum clong	13415 Oct 04 06:22	0°M	0 2010		13410 Sep 10 07.51	o <b>–</b>	
avanina riaa	13415 Oct 04 00:22	5°M21'47		aumarian aami	13416 Sep 12 01:25	3° <b>£</b> 17'45	0004102
evening rise		3 116∠147 0° <b>√</b> 1		superior conj	1		
	13415 Oct 20 03:46		21010102	minimum elong	13416 Sep 12 01:40	3° <b>Ω</b> 18'59	0°04'03
evening max el	13415 Oct 26 11:41	7° <b>×7</b> 47'01	21°18'02	behind sun begin	13416 Sep 11 19:31	2° <b>Ω</b> 48'21	
desc. node	13415 Oct 29 12:08	10° <b>₹</b> 24'10		behind sun end	13416 Sep 12 07:48	3° <b>Ω</b> 49'40	
retrograde	13415 Nov 07 11:17	13° <b>∡</b> ⁴44'15 –		asc. node	13416 Sep 12 11:43	4° <b>Ω</b> 09'13	
evening set	13415 Nov 10 04:04	13° <b>∡</b> ′27′19		evening rise	13416 Sep 20 01:40	19° <b>≏</b> 36'37	
inferior conj	13415 Nov 19 01:57	9° <b>∡</b> ³33'43			13416 Sep 25 07:05	0°M₊	
minimum elong	13415 Nov 18 17:46	9° <b>х</b> 45′13	5°24'27	evening max el	13416 Oct 07 16:13	18° <b>M</b> 37'12	19°57'41
min. Earth dist.	13415 Nov 19 11:10	9° <b>∡</b> ¹20'43	0.54504 AU	desc. node	13416 Oct 15 09:34	23° <b>™</b> 27'34	
morning rise	13415 Nov 27 08:09	5° <b>∡</b> ¹43'58		retrograde	13416 Oct 18 01:14	23°M47'18	
direct	13415 Dec 01 06:29	5° <b>х</b> 10′43		evening set	13416 Oct 20 00:31	23°M36'57	
morning max el	13415 Dec 14 01:18	11° <b>∡</b> 19′21	22°35'34	inferior conj	13416 Oct 28 21:51	19° <b>™</b> 37'20	-4°03'34
asc. node	13415 Dec 23 15:58	23° <b>∡</b> ¹24'52		minimum elong	13416 Oct 28 12:06	19° <b>™</b> 52'09	3°59'46
	13415 Dec 27 14:23	0° <b>ろ</b>		min. Earth dist.	13416 Oct 30 19:28	18°M28'03	0.55018 AU
morning set	13416 Jan 05 04:07	16° <b>පි</b> 56'36		morning rise	13416 Nov 05 22:22	15°M25'54	
•	13416 Jan 11 06:15	0° <b>≈</b>		direct	13416 Nov 10 18:26	14° <b>M</b> 34'44	
				morning max el	13416 Nov 24 11:34	21°M21'22	24°24'24
superior conj	13416 Jan 12 04:05	1° <b>≈</b> 56'36	1°30'39	. <i>&amp;</i>	13416 Dec 01 22:58	0° <b>⊼</b>	
minimum elong	13416 Jan 12 05:47	2°≈05'35	1°31'26	asc. node	13416 Dec 09 13:01	11° <b>х</b> 47'11	
max. Earth dist.	13416 Jan 15 17:34	9° <b>≈</b> 25'12	1.33847 AU	use. Hour	13416 Dec 18 21:02	0°る	
evening rise	13416 Jan 20 05:55	18° <b>≈</b> 29'18	1.55047 110	morning set	13416 Dec 19 16:02	1°る41'20	
desc. node	13416 Jan 25 11:14	18 <b>≈</b> 29 18 28° <b>≈</b> 18'28		morning set	13410 DCC 19 10.02	1 041 20	
desc. Hode	13416 Jan 26 09:50	0° <b>∺</b>		aumarian aani	12416 Dag 26 11,22	16° <b>ට</b> 33'23	1°37'14
		0°Υ		superior conj minimum elong	13416 Dec 26 11:23	16° <b>る</b> 35'25	1°38'14
	13416 Feb 14 22:50		27007124		13416 Dec 26 12:00		
evening max el	13416 Feb 24 00:06	10° <b>Υ</b> 16'12	2/~0/-34	max. Earth dist.	13416 Dec 28 16:39	21° <b>る</b> 22'48	1.32477 AU
retrograde	13416 Mar 08 10:26	17° <b>Y</b> 43′27			13417 Jan 01 18:35	0° <b>≈</b>	
evening set	13416 Mar 15 01:29	15° <b>Y</b> 11′20		evening rise	13417 Jan 02 21:55	2°≈19'51	
min. Earth dist.	13416 Mar 18 23:35	11° <b>Y</b> ′26'38	0.65367 AU	desc. node	13417 Jan 11 07:58	18° <b>≈</b> 22'21	
asc. node	13416 Mar 20 13:07	9° <b>Y</b> 41′25			13417 Jan 18 06:32	0° <b>∀</b>	
inferior conj	13416 Mar 21 06:08	8° <b>Y</b> 53'12	0°13'36	evening max el	13417 Feb 05 12:18	23° <b>∺</b> 30′21	27°32'07
minimum elong	13416 Mar 21 05:46	8° <b>Y</b> 54'17	0°13'24		13417 Feb 14 18:00	$0$ ° $\Upsilon$	
transit middle	13416 Mar 21 05:46	8° <b>Y</b> ′54'17	0°13'24	retrograde	13417 Feb 19 07:03	0° <b>Y</b> 56'45	
transit begin	13416 Mar 21 04:07	8° <b>Y</b> 58'55			13417 Feb 23 14:11	30°₽ <b>)</b>	
transit end	13416 Mar 21 07:24	8° <b>Y</b> 49'38		evening set	13417 Feb 26 03:44	28° <b>)</b> € 30′57	

: E 4 E 4	12417.14 01 22 20	2501/15140	0.62515.411	. 1	12410 F 1 01 10 41	120 1/ 20125	
min. Earth dist.	13417 Mar 01 22:28	25° <b>¥</b> 15'49	0.63515 AU	retrograde	13418 Feb 01 19:41	13°¥28'25	
inferior conj	13417 Mar 04 16:03	22°\(\frac{1}{2}29'29\) 22°\(\frac{1}{2}25'04\)		evening set	13418 Feb 08 17:03	11° <b>)</b> 16'57	0.61428 AU
minimum elong	13417 Mar 04 17:47	19° <b>)</b> 49'17	0°53′13	min. Earth dist.	13418 Feb 12 11:30	8° <del>X</del> 25′22 5° <del>X</del> 39′55	
asc. node	13417 Mar 07 10:37	19° <b>X</b> 49'17		inferior conj	13418 Feb 15 13:15	5° <b>H</b> 29′26	
morning rise	13417 Mar 11 10:14	16° <b>H</b> 45'04		minimum elong	13418 Feb 15 17:54 13418 Feb 22 08:06	0° <b>¥</b> 53'01	2-09-33
direct	13417 Mar 13 19:53	20° <del>X</del> 43 04	17°47'03	asc. node		0° <b>★</b> 33'01 0° <b>¥</b> 41'27	
morning max el	13417 Mar 20 07:23 13417 Mar 27 19:01	20° <b>π</b> 04°22 0° <b>Υ</b>	1/4/03	morning rise direct	13418 Feb 22 21:42 13418 Feb 25 01:21	0° <b>X</b> 41′27 0° <b>X</b> 21′36	
morning set		0 <b>γ</b> 15° <b>Υ</b> 01'47			13418 Mar 04 00:06	0 <del>X</del> 21 30 3° <b>X</b> 51'53	17°51'07
morning set desc. node	13417 Apr 05 18:20	13 <b>γ</b> 01 47 21° <b>Υ</b> 16'57		morning max el morning set		28° <b> ∺</b> 14'55	1/ 310/
desc. node	13417 Apr 09 10:07	0° <b>8</b>		morning set	13418 Mar 19 16:03 13418 Mar 20 15:24	28 <b>π</b> 1433	
	13417 Apr 14 14:22	0.0		desc. node	13418 Mar 27 06:38	11° <b>Υ</b> 48'50	
superior conj	13417 Apr 18 10:01	6° <b>8</b> 17'38	1°05'58	desc. node	13416 Mai 2/ 00.36	11 1 40 30	
minimum elong	13417 Apr 18 10:01 13417 Apr 18 03:21	5° <b>8</b> 50'24		superior conj	13418 Mar 30 14:04	17° <b>Ƴ</b> 32'57	0°25!51
max. Earth dist.	13417 Apr 18 03.21 13417 Apr 24 05:17	15° <b>8</b> 38'11	1.44772 AU	minimum elong	13418 Mar 30 11:41	17° <b>Y</b> 22'44	
max. Earm dist.	13417 Apr 24 03:17 13417 May 03 10:12	0° <b>Ⅱ</b>	1.44//2 AU	max. Earth dist.	13418 Apr 06 20:34	29° <b>Y</b> 42'05	1.43270 AU
evening rise	13417 May 03 10:12	0° <b>П</b> 34'31		max. Earth dist.	13418 Apr 07 00:57	0° <b>8</b>	1.43270 AU
evening rise	13417 May 03 19:12 13417 May 23 18:40	0°95		evening rise	13418 Apr 13 13:19	10° <b>8</b> 23'50	
evening max el	13417 May 23 18.40	0 9 10°939'37	20°33'40	evening rise	13418 Apr 26 12:51	10 <b>3</b> 23 30 0° <b>Ⅱ</b>	
asc. node	13417 Jun 03 07:38	10 \$3937 12°\$21'21	20 33 40	evening max el	13418 May 15 08:10	0 H 24°H29'17	21946/20
retrograde	13417 Jun 09 14:29	12 \$21 21 15°\$20'03		asc. node	13418 May 21 04:49	24 <b>II</b> 2917 29° <b>II</b> 01'35	21 40 39
Č	13417 Jun 13 17:05	13°9544'00		retrograde	13418 May 24 12:41	29° <b>I</b> I52'23	
evening set		7°937'33	3°12'17	~	13418 May 29 02:05	29 II 32 23 28° II 00'05	
inferior conj	13417 Jun 18 23:21	7°938'20	3°11'14	evening set	13418 Jun 03 08:22	28 <b>H</b> 00 03 21° <b>H</b> 43'07	3°04'03
minimum elong min. Earth dist.	13417 Jun 18 23:07	6°9542'58		inferior conj minimum elong	13418 Jun 03 07:13	21° <b>II</b> 43'07	3°02'54
	13417 Jun 19 15:12	1° <b>©</b> 17'09	0.68341 AU	U		21° <b>II</b> 34'14	0.68851 AU
morning rise	13417 Jun 24 04:52 13417 Jun 25 21:42	1°901709 30°R <b>I</b> I		min. Earth dist.	13418 Jun 03 10:55 13418 Jun 08 12:10	21°Щ34°14 15°Щ28'25	0.08831 AU
direct	13417 Jun 25 21:42 13417 Jun 29 15:46	28° <b>∏</b> 52'54		morning rise		13° <b>Ц</b> 28'23	
direct	13417 Juli 29 13.46 13417 Juli 03 18:32	28 <b>11</b> 3234 0° <b>©</b>		direct	13418 Jun 13 10:23 13418 Jun 23 04:34	13 <b>П</b> 21 26 19° <b>П</b> 06'40	22°30'34
4 4-				morning max el desc. node		19 <b>Д</b> 0640 19° <b>Д</b> 14'38	22 30 34
desc. node	13417 Jul 06 10:36	1°941'50	24°00'00	desc. node	13418 Jun 23 07:44	19°Щ14′38 0°©	
morning max el	13417 Jul 10 17:03	5° <b>©</b> 29'55 0° <b>Ω</b>	24 00 00		13418 Jul 02 08:05	0°€	
mamina aat	13417 Jul 29 15:38	0 8 <i>t</i> 26° <b>Ω</b> 05'42		mamina aat	13418 Jul 22 19:00 13418 Jul 26 20:20	6° <b>Ω</b> 30'35	
morning set	13417 Aug 15 01:02			morning set max. Earth dist.		14°Ω38'24	1 40707 411
max. Earth dist.	13417 Aug 17 07:11	0° m)		max. Earth dist.	13418 Jul 31 17:57	14-8638-24	1.40787 AU
			1 20442 ATT				
man Barm dist.	13417 Aug 18 18:38	2° 11 <b>)</b> 36'07	1.38442 AU	gunorior aoni	12419 Aug 09 14:09	200 () 10100	1012/54
	C	•		superior conj	13418 Aug 08 14:08	28° <b>Ω</b> 18'09	
superior conj	13417 Aug 26 04:03	16° <b>m</b> 10'45	-0°37'56	superior conj minimum elong	13418 Aug 08 19:34	28° <b>Ω</b> 42'38	
superior conj minimum elong	13417 Aug 26 04:03 13417 Aug 26 06:43	16° m 10'45 16° m 23'24		minimum elong	13418 Aug 08 19:34 13418 Aug 09 12:44	28° <b>Ω</b> 42'38 0° <b>m</b>	
superior conj	13417 Aug 26 04:03 13417 Aug 26 06:43 13417 Aug 30 08:17	16° m 10'45 16° m 23'24 24° m 13'46	-0°37'56	minimum elong asc. node	13418 Aug 08 19:34 13418 Aug 09 12:44 13418 Aug 17 04:53	28° \$\alpha 42'38 0° m 14° m 12'31	
superior conj minimum elong asc. node	13417 Aug 26 04:03 13417 Aug 26 06:43 13417 Aug 30 08:17 13417 Sep 02 06:48	16° m 10'45 16° m 23'24 24° m 13'46 0° Ω	-0°37'56	minimum elong	13418 Aug 08 19:34 13418 Aug 09 12:44 13418 Aug 17 04:53 13418 Aug 18 17:02	28° Q 42'38 0° my 14° my 12'31 17° my 02'37	
superior conj minimum elong	13417 Aug 26 04:03 13417 Aug 26 06:43 13417 Aug 30 08:17 13417 Sep 02 06:48 13417 Sep 04 02:00	16° m 10'45 16° m 23'24 24° m 13'46 0° Ω 3° Ω 32'51	-0°37'56	minimum elong asc. node evening rise	13418 Aug 08 19:34 13418 Aug 09 12:44 13418 Aug 17 04:53 13418 Aug 18 17:02 13418 Aug 25 18:32	28° Ω42'38 0° m 14° m 12'31 17° m 02'37 0° Ω	1°12'43
superior conj minimum elong asc. node evening rise	13417 Aug 26 04:03 13417 Aug 26 06:43 13417 Aug 30 08:17 13417 Sep 02 06:48 13417 Sep 04 02:00 13417 Sep 20 04:20	16° m 10'45 16° m 23'24 24° m 13'46 0° Ω 3° Ω 32'51 0° M	-0°37'56 0°37'48	minimum elong asc. node evening rise evening max el	13418 Aug 08 19:34 13418 Aug 09 12:44 13418 Aug 17 04:53 13418 Aug 18 17:02 13418 Aug 25 18:32 13418 Sep 03 15:54	28° <b>Ω</b> 42'38 0° <b>m</b> 14° <b>m</b> 12'31 17° <b>m</b> 02'37 0° <b>Ω</b> 12° <b>Ω</b> 38'50	
superior conj minimum elong asc. node evening rise evening max el	13417 Aug 26 04:03 13417 Aug 26 06:43 13417 Aug 30 08:17 13417 Sep 02 06:48 13417 Sep 04 02:00 13417 Sep 20 04:20 13417 Sep 20 10:43	16° Mp 10'45 16° Mp 23'24 24° Mp 13'46 0° <u>O</u> 3° <u>O</u> 32'51 0° ML 0° ML 16'11	-0°37'56	minimum elong asc. node evening rise evening max el retrograde	13418 Aug 08 19:34 13418 Aug 09 12:44 13418 Aug 17 04:53 13418 Aug 18 17:02 13418 Aug 25 18:32 13418 Sep 03 15:54 13418 Sep 11 04:19	28° <b>Ω</b> 42'38 0° <b>m</b> 14° <b>m</b> 12'31 17° <b>m</b> 02'37 0° <b>Ω</b> 12° <b>Ω</b> 38'50 16° <b>Ω</b> 27'12	1°12'43
superior conj minimum elong asc. node evening rise evening max el retrograde	13417 Aug 26 04:03 13417 Aug 26 06:43 13417 Aug 30 08:17 13417 Sep 02 06:48 13417 Sep 04 02:00 13417 Sep 20 04:20 13417 Sep 20 10:43 13417 Sep 29 05:05	16° M 10'45 16° M 23'24 24° M 13'46 0° Ω 3° Ω 32'51 0° M 0° M 16'11 4° M 39'49	-0°37'56 0°37'48	minimum elong asc. node evening rise evening max el retrograde evening set	13418 Aug 08 19:34 13418 Aug 09 12:44 13418 Aug 17 04:53 13418 Aug 18 17:02 13418 Aug 25 18:32 13418 Sep 03 15:54 13418 Sep 11 04:19 13418 Sep 13 06:12	28° Ω42'38 0° m 14° m 12'31 17° m 02'37 0° Ω 12° Ω 38'50 16° Ω 27'12 16° Ω 10'29	1°12'43
superior conj minimum elong asc. node evening rise evening max el retrograde evening set	13417 Aug 26 04:03 13417 Aug 26 06:43 13417 Aug 30 08:17 13417 Sep 02 06:48 13417 Sep 04 02:00 13417 Sep 20 04:20 13417 Sep 20 10:43 13417 Sep 29 05:05 13417 Oct 01 01:54	16° Mp 10'45 16° Mp 23'24 24° Mp 13'46 0° \( \Omega\) 3° \( \Omega\) 32'51 0° ML 0° ML 16'11 4° ML 39'49 4° ML 28'39	-0°37'56 0°37'48	minimum elong asc. node evening rise evening max el retrograde evening set desc. node	13418 Aug 08 19:34 13418 Aug 09 12:44 13418 Aug 17 04:53 13418 Aug 18 17:02 13418 Aug 25 18:32 13418 Sep 03 15:54 13418 Sep 11 04:19 13418 Sep 13 06:12 13418 Sep 19 04:36	28° \$\Omega 42'38 0° my 14° my 12'31 17° my 02'37 0° \omega 12° \omega 38'50 16° \omega 27'12 16° \omega 10'29 12° \omega 52'14	1°12'43 18°21'23
superior conj minimum elong asc. node evening rise evening max el retrograde evening set desc. node	13417 Aug 26 04:03 13417 Aug 26 06:43 13417 Aug 30 08:17 13417 Sep 02 06:48 13417 Sep 04 02:00 13417 Sep 20 04:20 13417 Sep 20 10:43 13417 Sep 29 05:05 13417 Oct 01 01:54 13417 Oct 02 07:04	16° Mp 10'45 16° Mp 23'24 24° Mp 13'46 0° \( \Omega\) 3° \( \Omega\) 32'51 0° ML 0° ML 16'11 4° ML 39'49 4° ML 28'39 4° ML 10'01	-0°37'56 0°37'48 18°58'47	minimum elong asc. node evening rise evening max el retrograde evening set desc. node inferior conj	13418 Aug 08 19:34 13418 Aug 09 12:44 13418 Aug 17 04:53 13418 Aug 18 17:02 13418 Aug 25 18:32 13418 Sep 03 15:54 13418 Sep 11 04:19 13418 Sep 13 06:12 13418 Sep 19 04:36 13418 Sep 20 20:08	28° \( \Omega 42'38\) 0° \( \mathref{m} \) 14° \( \mathref{m} \) 12'31 17° \( \mathref{m} \) 02'37 0° \( \omega \) 12° \( \omega 38'50 \) 16° \( \omega 27'12 \) 16° \( \omega 10'29 \) 12° \( \omega 52'14 \) 11° \( \omega 33'17 \)	1°12'43 18°21'23 -0°31'04
superior conj minimum elong asc. node evening rise evening max el retrograde evening set desc. node inferior conj	13417 Aug 26 04:03 13417 Aug 26 06:43 13417 Aug 30 08:17 13417 Sep 02 06:48 13417 Sep 04 02:00 13417 Sep 20 04:20 13417 Sep 20 10:43 13417 Oct 01 01:54 13417 Oct 02 07:04 13417 Oct 09 10:11	16° Mp 10'45 16° Mp 23'24 24° Mp 13'46 0° \( \Omega\) 3° \( \Omega\) 32'51 0° ML 0° ML 16'11 4° ML 39'49 4° ML 28'39 4° ML 10'01 0° ML 12'33	-0°37'56 0°37'48 18°58'47	minimum elong asc. node evening rise evening max el retrograde evening set desc. node inferior conj minimum elong	13418 Aug 08 19:34 13418 Aug 09 12:44 13418 Aug 17 04:53 13418 Aug 18 17:02 13418 Aug 25 18:32 13418 Sep 03 15:54 13418 Sep 11 04:19 13418 Sep 13 06:12 13418 Sep 19 04:36 13418 Sep 20 20:08 13418 Sep 20 18:58	28° \( \Omega 42'38\) 0° \( \mathbf{m} \) 14° \( \mathbf{m} \) 12'31 17° \( \mathbf{m} \) 02'37 0° \( \omega \) 12° \( \omega 38'50 \) 16° \( \omega 27'12 \) 16° \( \omega 10'29 \) 12° \( \omega 52'14 \) 11° \( \omega 33'17 \) 11° \( \omega 35'40 \)	1°12'43 18°21'23 -0°31'04 0°30'31
superior conj minimum elong asc. node evening rise evening max el retrograde evening set desc. node	13417 Aug 26 04:03 13417 Aug 26 06:43 13417 Aug 30 08:17 13417 Sep 02 06:48 13417 Sep 04 02:00 13417 Sep 20 04:20 13417 Sep 20 10:43 13417 Oct 01 01:54 13417 Oct 02 07:04 13417 Oct 09 10:11 13417 Oct 09 04:26	16° m 10'45 16° m 23'24 24° m 13'46 0° Ω 3° Ω 32'51 0° m. 0° m.16'11 4° m.39'49 4° m.28'39 4° m.10'01 0° m.12'33 0° m.22'34	-0°37'56 0°37'48 18°58'47	minimum elong asc. node evening rise evening max el retrograde evening set desc. node inferior conj minimum elong min. Earth dist.	13418 Aug 08 19:34 13418 Aug 09 12:44 13418 Aug 17 04:53 13418 Aug 18 17:02 13418 Aug 25 18:32 13418 Sep 03 15:54 13418 Sep 11 04:19 13418 Sep 13 06:12 13418 Sep 19 04:36 13418 Sep 20 20:08 13418 Sep 20 18:58 13418 Sep 24 03:11	28° \( \Omega 42'38\) 0° \( \mathbf{m} \) 14° \( \mathbf{m} \) 12'31 17° \( \mathbf{m} \) 02'37 0° \( \omega \) 12° \( \omega 38'50\) 16° \( \omega 27'12\) 16° \( \omega 10'29\) 12° \( \omega 52'14\) 11° \( \omega 33'17\) 11° \( \omega 35'40\) 8° \( \omega 52'56\)	1°12'43 18°21'23 -0°31'04
superior conj minimum elong asc. node evening rise evening max el retrograde evening set desc. node inferior conj minimum elong	13417 Aug 26 04:03 13417 Aug 26 06:43 13417 Aug 30 08:17 13417 Sep 02 06:48 13417 Sep 04 02:00 13417 Sep 20 04:20 13417 Sep 20 10:43 13417 Oct 01 01:54 13417 Oct 02 07:04 13417 Oct 09 10:11 13417 Oct 09 04:26 13417 Oct 09 17:21	16° Mp 10'45 16° Mp 23'24 24° Mp 13'46 0° Ω 3° Ω 32'51 0° ML 0° ML 16'11 4° ML 39'49 4° ML 10'01 0° ML 12'33 0° ML 22'34 30° R Ω	-0°37'56 0°37'48 18°58'47 -2°15'13 2°12'32	minimum elong asc. node evening rise  evening max el retrograde evening set desc. node inferior conj minimum elong min. Earth dist. morning rise	13418 Aug 08 19:34 13418 Aug 09 12:44 13418 Aug 17 04:53 13418 Aug 18 17:02 13418 Aug 25 18:32 13418 Sep 03 15:54 13418 Sep 11 04:19 13418 Sep 13 06:12 13418 Sep 19 04:36 13418 Sep 20 20:08 13418 Sep 20 18:58 13418 Sep 24 03:11 13418 Sep 28 04:17	28° Ω42'38 0° M 14° M 12'31 17° M 02'37 0° Ω 12° Ω 38'50 16° Ω 27'12 16° Ω 10'29 12° Ω 52'14 11° Ω 33'17 11° Ω 35'40 8° Ω 52'56 6° Ω 10'20	1°12'43 18°21'23 -0°31'04 0°30'31
superior conj minimum elong asc. node evening rise evening max el retrograde evening set desc. node inferior conj minimum elong min. Earth dist.	13417 Aug 26 04:03 13417 Aug 26 06:43 13417 Aug 30 08:17 13417 Sep 02 06:48 13417 Sep 04 02:00 13417 Sep 20 04:20 13417 Sep 20 10:43 13417 Oct 01 01:54 13417 Oct 02 07:04 13417 Oct 02 07:04 13417 Oct 09 10:11 13417 Oct 09 04:26 13417 Oct 09 17:21 13417 Oct 12 08:04	16° Mp 10'45 16° Mp 23'24 24° Mp 13'46 0° A 3° A 32'51 0° M. 0° M.16'11 4° M.39'49 4° M.28'39 4° M.10'01 0° M.12'33 0° M.22'34 30° R.A 28° A 11'11	-0°37'56 0°37'48 18°58'47	minimum elong asc. node evening rise  evening max el retrograde evening set desc. node inferior conj minimum elong min. Earth dist. morning rise direct	13418 Aug 08 19:34 13418 Aug 09 12:44 13418 Aug 17 04:53 13418 Aug 18 17:02 13418 Aug 25 18:32 13418 Sep 03 15:54 13418 Sep 11 04:19 13418 Sep 13 06:12 13418 Sep 19 04:36 13418 Sep 20 20:08 13418 Sep 20 18:58 13418 Sep 24 03:11 13418 Sep 28 04:17 13418 Oct 04 10:09	28° \( \Omega 42'38\) 0° \( \mathbf{m} \) 14° \( \mathbf{m} \) 12'31 17° \( \mathbf{m} \) 02'37 0° \( \Omega \) 12° \( \Omega 38'50 \) 16° \( \Omega 27'12 \) 16° \( \Omega 10'29 \) 12° \( \Omega 52'14 \) 11° \( \Omega 33'17 \) 11° \( \Omega 35'40 \) 8° \( \Omega 52'56 \) 6° \( \Omega 10'20 \) 4° \( \Omega 28'06 \)	1°12'43 18°21'23 -0°31'04 0°30'31 0.58359 AU
superior conj minimum elong asc. node evening rise evening max el retrograde evening set desc. node inferior conj minimum elong min. Earth dist. morning rise	13417 Aug 26 04:03 13417 Aug 30 08:17 13417 Sep 02 06:48 13417 Sep 04 02:00 13417 Sep 20 04:20 13417 Sep 20 10:43 13417 Sep 20 10:43 13417 Oct 01 01:54 13417 Oct 02 07:04 13417 Oct 09 10:11 13417 Oct 09 04:26 13417 Oct 09 17:21 13417 Oct 12 08:04 13417 Oct 12 08:04 13417 Oct 17 03:57	16° Mp 10'45 16° Mp 23'24 24° Mp 13'46 0° \( \Oldsymbol{\Oldsymbol	-0°37'56 0°37'48 18°58'47 -2°15'13 2°12'32	minimum elong asc. node evening rise  evening max el retrograde evening set desc. node inferior conj minimum elong min. Earth dist. morning rise	13418 Aug 08 19:34 13418 Aug 09 12:44 13418 Aug 17 04:53 13418 Aug 18 17:02 13418 Aug 25 18:32 13418 Sep 03 15:54 13418 Sep 11 04:19 13418 Sep 13 06:12 13418 Sep 19 04:36 13418 Sep 20 20:08 13418 Sep 20 18:58 13418 Sep 24 03:11 13418 Sep 28 04:17 13418 Oct 04 10:09 13418 Oct 18 17:43	28° \( \Omega 42'38\) 0° \( \mathbf{m} \) 14° \( \mathbf{m} \) 12'31 17° \( \mathbf{m} \) 02'37 0° \( \Omega \) 12° \( \Omega 38'50 \) 16° \( \Omega 27'12 \) 16° \( \Omega 10'29 \) 12° \( \Omega 52'14 \) 11° \( \Omega 33'17 \) 11° \( \Omega 35'40 \) 8° \( \Omega 52'56 \) 6° \( \Omega 10'20 \) 4° \( \Omega 28'06 \) 12° \( \Omega 06'40 \)	1°12'43 18°21'23 -0°31'04 0°30'31 0.58359 AU
superior conj minimum elong asc. node evening rise evening max el retrograde evening set desc. node inferior conj minimum elong min. Earth dist.	13417 Aug 26 04:03 13417 Aug 26 06:43 13417 Aug 30 08:17 13417 Sep 02 06:48 13417 Sep 04 02:00 13417 Sep 20 04:20 13417 Sep 20 10:43 13417 Oct 01 01:54 13417 Oct 02 07:04 13417 Oct 09 10:11 13417 Oct 09 17:21 13417 Oct 12 08:04 13417 Oct 12 08:04 13417 Oct 17 03:57 13417 Oct 22 19:22	16° M 10'45 16° M 23'24 24° M 13'46 0°	-0°37'56 0°37'48 18°58'47 -2°15'13 2°12'32	minimum elong asc. node evening rise  evening max el retrograde evening set desc. node inferior conj minimum elong min. Earth dist. morning rise direct morning max el	13418 Aug 08 19:34 13418 Aug 09 12:44 13418 Aug 17 04:53 13418 Aug 18 17:02 13418 Aug 25 18:32 13418 Sep 03 15:54 13418 Sep 11 04:19 13418 Sep 13 06:12 13418 Sep 19 04:36 13418 Sep 20 20:08 13418 Sep 20 18:58 13418 Sep 24 03:11 13418 Sep 28 04:17 13418 Oct 04 10:09 13418 Oct 18 17:43 13418 Nov 01 18:42	28° \( \Omega 42'38\) 0° \( \omega \) 14° \( \omega 12'31\) 17° \( \omega 02'37\) 0° \( \omega \) 12° \( \omega 38'50\) 16° \( \omega 27'12\) 16° \( \omega 10'29\) 12° \( \omega 52'14\) 11° \( \omega 33'17\) 11° \( \omega 35'40\) 8° \( \omega 52'56\) 6° \( \omega 10'20\) 4° \( \omega 28'06\) 12° \( \omega 06'40\) 0° \( \omega \)	1°12'43 18°21'23 -0°31'04 0°30'31 0.58359 AU
superior conj minimum elong asc. node evening rise evening max el retrograde evening set desc. node inferior conj minimum elong min. Earth dist. morning rise direct	13417 Aug 26 04:03 13417 Aug 30 08:17 13417 Sep 02 06:48 13417 Sep 04 02:00 13417 Sep 20 04:20 13417 Sep 20 10:43 13417 Sep 20 10:43 13417 Oct 01 01:54 13417 Oct 02 07:04 13417 Oct 09 10:11 13417 Oct 09 17:21 13417 Oct 12 08:04 13417 Oct 17 03:57 13417 Oct 22 19:22 13417 Nov 04 08:59	16° M 10'45 16° M 23'24 24° M 13'46 0° \( \Omega\) 3° \( \Omega\) 3° \( \Omega\) 3° \( \Omega\) 3° \( \Omega\) 0° M 16'11 4° M 39'49 4° M 28'39 4° M 10'01 0° M 12'33 0° M 22'34 30° R \( \Omega\) 28° \( \Omega\) 11'11 25° \( \Omega\) 26'14 24° \( \Omega\) 11'08 0° M	-0°37'56 0°37'48 18°58'47 -2°15'13 2°12'32 0.56387 AU	minimum elong asc. node evening rise  evening max el retrograde evening set desc. node inferior conj minimum elong min. Earth dist. morning rise direct morning max el asc. node	13418 Aug 08 19:34 13418 Aug 09 12:44 13418 Aug 17 04:53 13418 Aug 18 17:02 13418 Aug 25 18:32 13418 Sep 03 15:54 13418 Sep 11 04:19 13418 Sep 13 06:12 13418 Sep 19 04:36 13418 Sep 20 20:08 13418 Sep 20 18:58 13418 Sep 24 03:11 13418 Sep 24 03:11 13418 Sep 28 04:17 13418 Oct 04 10:09 13418 Oct 18 17:43 13418 Nov 01 18:42 13418 Nov 13 06:46	28° \( \Omega 42'38\) 0° \( \omega \) 14° \( \omega 12'31\) 17° \( \omega 02'37\) 0° \( \omega \) 12° \( \omega 38'50\) 16° \( \omega 27'12\) 16° \( \omega 10'29\) 12° \( \omega 52'14\) 11° \( \omega 33'17\) 11° \( \omega 33'17\) 11° \( \omega 33'40\) 8° \( \omega 52'56\) 6° \( \omega 10'20\) 4° \( \omega 28'06\) 12° \( \omega 06'40\) 0° \( \omega \) 20° \( \omega 09'06\)	1°12'43 18°21'23 -0°31'04 0°30'31 0.58359 AU
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superior conj minimum elong asc. node  evening rise  evening max el retrograde evening set desc. node inferior conj minimum elong  min. Earth dist. morning rise direct  morning max el asc. node morning set	13417 Aug 26 04:03 13417 Aug 26 06:43 13417 Aug 30 08:17 13417 Sep 02 06:48 13417 Sep 04 02:00 13417 Sep 20 04:20 13417 Sep 20 10:43 13417 Oct 01 01:54 13417 Oct 02 07:04 13417 Oct 09 10:11 13417 Oct 09 17:21 13417 Oct 12 08:04 13417 Oct 12 08:04 13417 Oct 17 03:57 13417 Oct 22 19:22 13417 Nov 04 08:59 13417 Nov 05 23:14 13417 Nov 26 09:57 13417 Dec 04 03:07 13417 Dec 10 08:08	16° Mp 10'45 16° Mp 23'24 24° Mp 13'46 0° Ω 3° Ω 32'51 0° ML 0° ML 16'11 4° ML 39'49 4° ML 10'01 0° ML 12'33 0° ML 22'34 30° RΩ 28° Ω 11'11 25° Ω 26'14 24° Ω 11'08 0° ML 1° ML 27'30 0° ¾ 45'08 0° ¾ 16° ¾ 20'01 0° ጜ	-0°37'56 0°37'48 18°58'47 -2°15'13 2°12'32 0.56387 AU 26°04'20	minimum elong asc. node evening rise  evening max el retrograde evening set desc. node inferior conj minimum elong min. Earth dist. morning rise direct morning max el asc. node morning set	13418 Aug 08 19:34 13418 Aug 09 12:44 13418 Aug 17 04:53 13418 Aug 18 17:02 13418 Aug 25 18:32 13418 Sep 03 15:54 13418 Sep 11 04:19 13418 Sep 13 06:12 13418 Sep 19 04:36 13418 Sep 20 20:08 13418 Sep 20 18:58 13418 Sep 20 18:58 13418 Sep 24 03:11 13418 Sep 28 04:17 13418 Oct 04 10:09 13418 Oct 18 17:43 13418 Nov 11 18:42 13418 Nov 13 06:46 13418 Nov 18 11:34 13418 Nov 18 02:36	28° \$\Pi42'38\$ 0° \$\mathbf{m}\$ 14° \$\mathbf{m}\$ 12'31\$ 17° \$\mathbf{m}\$ 02'37\$ 0° \$\Lambda\$ 12° \$\Lambda\$ 38'50\$ 16° \$\Lambda\$ 27'12\$ 16° \$\Lambda\$ 10'29\$ 12° \$\Lambda\$ 52'14\$ 11° \$\Lambda\$ 33'17\$ 11° \$\Lambda\$ 35'40\$ 8° \$\Lambda\$ 52'56\$ 6° \$\Lambda\$ 10'20\$ 4° \$\Lambda\$ 28'06\$ 12° \$\Lambda\$ 06'40\$ 0° \$\mathbf{m}\$ 47'37\$ 0° \$\mathbf{m}\$ 15° \$\mathbf{m}\$ 58'58\$ 15° \$\mathbf{m}\$ 51'05\$ 15° \$\mathbf{m}\$ 41'52	1°12'43  18°21'23  -0°31'04 0°30'31 0.58359 AU  27°18'00
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superior conj minimum elong asc. node  evening rise  evening max el retrograde evening set desc. node inferior conj minimum elong  min. Earth dist. morning rise direct  morning max el asc. node morning set	13417 Aug 26 04:03 13417 Aug 30 08:17 13417 Sep 02 06:48 13417 Sep 04 02:00 13417 Sep 20 04:20 13417 Sep 20 10:43 13417 Oct 01 01:54 13417 Oct 02 07:04 13417 Oct 09 10:11 13417 Oct 09 17:21 13417 Oct 12 08:04 13417 Oct 22 19:22 13417 Nov 04 08:59 13417 Nov 05 23:14 13417 Nov 26 09:57 13417 Nov 26 00:16 13417 Dec 10 08:08 13417 Dec 10 08:08	16° Mp 10'45 16° Mp 23'24 24° Mp 13'46 0° A 3° A 32'51 0° ML 0° ML 16'11 4° ML 39'49 4° ML 28'39 4° ML 10'01 0° ML 12'33 0° ML 22'34 30° R A 28° A 11'11 25° A 26'14 24° A 11'08 0° ML 1° ML 27'30 0° \$\textstyle{A}' 45'08 0° \$\textstyle{A}' 20'01 0° \$\textstyle{B}' 16'18 1° \$\textstyle{B}' 13'41	-0°37'56 0°37'48 18°58'47 -2°15'13 2°12'32 0.56387 AU 26°04'20	minimum elong asc. node evening rise  evening max el retrograde evening set desc. node inferior conj minimum elong min. Earth dist. morning rise direct morning max el asc. node morning set	13418 Aug 08 19:34 13418 Aug 09 12:44 13418 Aug 17 04:53 13418 Aug 18 17:02 13418 Aug 25 18:32 13418 Sep 03 15:54 13418 Sep 11 04:19 13418 Sep 13 06:12 13418 Sep 19 04:36 13418 Sep 20 20:08 13418 Sep 20 18:58 13418 Sep 20 18:58 13418 Sep 24 03:11 13418 Sep 28 04:17 13418 Oct 04 10:09 13418 Oct 18 17:43 13418 Nov 11 18:42 13418 Nov 13 06:46 13418 Nov 13 06:46 13418 Nov 18 11:34 13418 Nov 18 02:36  13418 Nov 25 09:28 13418 Nov 25 09:28 13418 Nov 25 06:24 13418 Dec 01 17:55 13418 Dec 02 03:50	28° \$\alpha 42'38 0° \$\mathbb{m}\$ 14° \$\mathbb{m}\$ 12'31 17° \$\mathbb{m}\$ 02'37 0° \$\oldsymbol{\Omega}\$ 12° \$\oldsymbol{\Omega}\$ 38'50 16° \$\oldsymbol{\Omega}\$ 27'12 16° \$\oldsymbol{\Omega}\$ 10'29 12° \$\oldsymbol{\Omega}\$ 52'14 11° \$\oldsymbol{\Omega}\$ 33'17 11° \$\oldsymbol{\Omega}\$ 35'40 8° \$\oldsymbol{\Omega}\$ 52'56 6° \$\oldsymbol{\Omega}\$ 10'20 4° \$\oldsymbol{\Omega}\$ 28'06 12° \$\oldsymbol{\Omega}\$ 06'40 0° \$\mathbb{m}\$ 20° \$\mathbb{m}\$ 09'06 0° \$\neq 47'37 0° \$\neq 8\$ 15° \$\neq 55'58'58 15° \$\neq 55'105 15° \$\neq 41'52 0° \$\oldsymbol{\Omega}\$ 0° \$\oldsymbol{\Omega}\$ 53'12	1°12'43  18°21'23  -0°31'04 0°30'31 0.58359 AU  27°18'00  1°32'13 1°33'05
superior conj minimum elong asc. node evening rise evening max el retrograde evening set desc. node inferior conj minimum elong min. Earth dist. morning rise direct morning max el asc. node morning set	13417 Aug 26 04:03 13417 Aug 30 08:17 13417 Sep 02 06:48 13417 Sep 04 02:00 13417 Sep 20 04:20 13417 Sep 20 10:43 13417 Oct 01 01:54 13417 Oct 09 10:11 13417 Oct 09 10:11 13417 Oct 12 08:04 13417 Oct 12 08:05 13417 Nov 04 08:59 13417 Nov 05 23:14 13417 Nov 26 09:57 13417 Nov 26 00:16 13417 Dec 10 08:08 13417 Dec 10 21:51 13417 Dec 10 21:51 13417 Dec 10 21:23 13417 Dec 11 22:00	16° M 10'45 16° M 23'24 24° M 13'46 0° Ω 3° Ω 32'51 0° M 0° M 16'11 4° M 39'49 4° M 28'39 4° M 10'01 0° M 12'33 0° M 22'34 30° R Ω 28° Ω 11'11 25° Ω 26'14 24° Ω 11'08 0° M 1° M 27'30 0° ¾ 45'08 0° ¾ 16° ¾ 20'01 0° ♂ 1° ♂ 16'18 1° ♂ 13'41 3° ♂ 30'25	-0°37'56 0°37'48 18°58'47 -2°15'13 2°12'32 0.56387 AU 26°04'20	minimum elong asc. node evening rise  evening max el retrograde evening set desc. node inferior conj minimum elong min. Earth dist. morning rise direct morning max el asc. node morning set	13418 Aug 08 19:34 13418 Aug 09 12:44 13418 Aug 17 04:53 13418 Aug 18 17:02 13418 Aug 25 18:32 13418 Sep 03 15:54 13418 Sep 11 04:19 13418 Sep 13 06:12 13418 Sep 19 04:36 13418 Sep 20 20:08 13418 Sep 20 18:58 13418 Sep 24 03:11 13418 Sep 28 04:17 13418 Oct 04 10:09 13418 Oct 18 17:43 13418 Nov 11 18:42 13418 Nov 13 06:46 13418 Nov 18 11:34 13418 Nov 18 02:36  13418 Nov 25 09:28 13418 Nov 25 08:03 13418 Nov 25 06:24 13418 Dec 01 17:55 13418 Dec 02 03:50 13418 Dec 16 01:47	28° \$\alpha 42'38 0° \$\mathbb{m}\$ 14° \$\mathbb{m}\$ 12'31 17° \$\mathbb{m}\$ 02'37 0° \$\oldsymbol{\Omega}\$ 12° \$\oldsymbol{\Omega}\$ 38'50 16° \$\oldsymbol{\Omega}\$ 27'12 16° \$\oldsymbol{\Omega}\$ 10'29 12° \$\oldsymbol{\Omega}\$ 52'14 11° \$\oldsymbol{\Omega}\$ 33'17 11° \$\oldsymbol{\Omega}\$ 33'17 11° \$\oldsymbol{\Omega}\$ 35'40 8° \$\oldsymbol{\Omega}\$ 52'56 6° \$\oldsymbol{\Omega}\$ 10'20 4° \$\oldsymbol{\Omega}\$ 28'06 12° \$\oldsymbol{\Omega}\$ 06'40 0° \$\oldsymbol{\Omega}\$ 47'37 0° \$\oldsymbol{\Sigma}\$ 47'37 0° \$\oldsymbol{\Sigma}\$ 58'58 15° \$\oldsymbol{\Sigma}\$ 58'58 15° \$\oldsymbol{\Sigma}\$ 41'52 0° \$\oldsymbol{\Omega}\$ 0° \$\oldsymbol{\Omega}\$ 53'12 27° \$\oldsymbol{\Omega}\$ 53'12	1°12'43  18°21'23  -0°31'04 0°30'31 0.58359 AU  27°18'00  1°32'13 1°33'05
superior conj minimum elong asc. node  evening rise  evening max el retrograde evening set desc. node inferior conj minimum elong  min. Earth dist. morning rise direct  morning max el asc. node morning set	13417 Aug 26 04:03 13417 Aug 30 08:17 13417 Sep 02 06:48 13417 Sep 04 02:00 13417 Sep 20 04:20 13417 Sep 20 10:43 13417 Oct 01 01:54 13417 Oct 09 10:11 13417 Oct 09 10:11 13417 Oct 12 08:04 13417 Oct 12 08:05 13417 Nov 04 08:59 13417 Nov 05 23:14 13417 Nov 26 09:57 13417 Nov 26 00:16 13417 Dec 10 08:08  13417 Dec 10 21:51 13417 Dec 10 21:23 13417 Dec 11 22:00 13417 Dec 17 22:03	16° M 10'45 16° M 23'24 24° M 13'46 0°	-0°37'56 0°37'48 18°58'47 -2°15'13 2°12'32 0.56387 AU 26°04'20	minimum elong asc. node evening rise  evening max el retrograde evening set desc. node inferior conj minimum elong min. Earth dist. morning rise direct morning max el asc. node morning set  superior conj minimum elong max. Earth dist. evening rise desc. node	13418 Aug 08 19:34 13418 Aug 09 12:44 13418 Aug 17 04:53 13418 Aug 18 17:02 13418 Aug 25 18:32 13418 Sep 03 15:54 13418 Sep 11 04:19 13418 Sep 13 06:12 13418 Sep 19 04:36 13418 Sep 20 20:08 13418 Sep 20 18:58 13418 Sep 24 03:11 13418 Sep 24 03:11 13418 Sep 24 03:11 13418 Not 04 10:09 13418 Oct 18 17:43 13418 Nov 01 18:42 13418 Nov 13 06:46 13418 Nov 18 11:34 13418 Nov 18 02:36  13418 Nov 25 09:28 13418 Nov 25 09:28 13418 Nov 25 06:24 13418 Dec 01 17:55 13418 Dec 02 03:50 13418 Dec 16 01:47 13418 Dec 17 19:03	28° \$\Pi42'38\) 0° \$\mathbf{m}\) 14° \$\mathbf{m}\) 12'31\) 17° \$\mathbf{m}\) 02'37\) 0° \$\Lambda\] 12° \$\Lambda\] 38'50\] 16° \$\Lambda\] 27'12\] 16° \$\Lambda\] 20'29\] 20° \$\Lambda\] 52'56\] 6° \$\Lambda\] 10'20\] 4° \$\Lambda\] 28'06\] 12° \$\Lambda\] 00' \$\mathbf{m}\] 20° \$\mathbf{m}\] 09'06\] 0° \$\mathbf{m}\] 47'37\] 0° \$\mathbf{m}\] 15° \$\mathbf{m}\] 58'58'58\] 15° \$\mathbf{m}\] 58'58'58\] 15° \$\mathbf{m}\] 51'05\] 15° \$\mathbf{m}\] 41'52\] 0° \$\mathbf{m}\] 27° \$\mathbf{G}\] 15'20\] 0° \$\infty\\$	1°12'43  18°21'23  -0°31'04 0°30'31 0.58359 AU  27°18'00  1°32'13 1°33'05 1.31216 AU
superior conj minimum elong asc. node evening rise evening max el retrograde evening set desc. node inferior conj minimum elong min. Earth dist. morning rise direct morning max el asc. node morning set	13417 Aug 26 04:03 13417 Aug 30 08:17 13417 Sep 02 06:48 13417 Sep 04 02:00 13417 Sep 20 04:20 13417 Sep 20 10:43 13417 Oct 01 01:54 13417 Oct 09 10:11 13417 Oct 09 10:11 13417 Oct 12 08:04 13417 Oct 12 08:04 13417 Oct 17 03:57 13417 Oct 17 03:57 13417 Oct 17 03:57 13417 Oct 18:59 13417 Nov 04 08:59 13417 Nov 05 23:14 13417 Dec 10 09:67 13417 Dec 10 08:08 13417 Dec 10 21:51 13417 Dec 10 21:51 13417 Dec 10 21:23 13417 Dec 11 22:00 13417 Dec 17 22:03 13417 Dec 17 22:03 13417 Dec 17 22:03 13417 Dec 24 17:03	16° M 10'45 16° M 23'24 24° M 13'46 0° Ω 3° Ω 32'51 0° M 0° M 16'11 4° M 39'49 4° M 28'39 4° M 10'01 0° M 12'33 0° M 22'34 30° R Ω 28° Ω 11'11 25° Ω 26'14 24° Ω 11'08 0° M 1° M 27'30 0° 🛪 45'08 0° 🛪 16° 🛪 20'01 0° ♂ 1° ♂ 16'18 1° ♂ 13'41 3° ♂ 30'25 16° ♂ 30'08 0° ≈	-0°37'56 0°37'48 18°58'47 -2°15'13 2°12'32 0.56387 AU 26°04'20	minimum elong asc. node evening rise  evening max el retrograde evening set desc. node inferior conj minimum elong min. Earth dist. morning rise direct morning max el asc. node morning set  superior conj minimum elong max. Earth dist. evening rise desc. node evening max el	13418 Aug 08 19:34 13418 Aug 09 12:44 13418 Aug 17 04:53 13418 Aug 18 17:02 13418 Aug 25 18:32 13418 Sep 03 15:54 13418 Sep 11 04:19 13418 Sep 13 06:12 13418 Sep 19 04:36 13418 Sep 20 20:08 13418 Sep 20 18:58 13418 Sep 20 18:58 13418 Sep 24 03:11 13418 Sep 24 03:11 13418 Sep 28 04:17 13418 Oct 04 10:09 13418 Oct 18 17:43 13418 Nov 01 18:42 13418 Nov 13 06:46 13418 Nov 18 02:36  13418 Nov 25 09:28 13418 Nov 25 09:28 13418 Nov 25 08:03 13418 Dec 01 17:55 13418 Dec 01 17:55 13418 Dec 02 03:50 13418 Dec 16 01:47 13418 Dec 17 19:03 13418 Dec 31 23:46	28° \$\Pi42'38\$ 0° \$\mathbb{m}\$ 14° \$\mathbb{m}\$ 12'31\$ 17° \$\mathbb{m}\$ 02'37\$ 0° \$\Lambda\$ 12° \$\Lambda\$ 38'50\$ 16° \$\Lambda\$ 27'12\$ 16° \$\Lambda\$ 10'29\$ 12° \$\Lambda\$ 52'14\$ 11° \$\Lambda\$ 33'17\$ 11° \$\Lambda\$ 33'40\$ 8° \$\Lambda\$ 52'56\$ 6° \$\Lambda\$ 10'20\$ 4° \$\Lambda\$ 28'06\$ 12° \$\Lambda\$ 06'40\$ 0° \$\mathbb{m}\$ 20° \$\mathbb{m}\$ 09'06\$ 0° \$\mathbb{m}\$ 47'37\$ 0° \$\mathbb{m}\$ 15° \$\mathbb{m}\$ 58'58\$ 15° \$\mathbb{m}\$ 51'05\$ 15° \$\mathbb{m}\$ 41'52\$ 0° \$\mathbb{G}\$ 0° \$\mathbb{G}\$ 53'12 27° \$\mathbb{G}\$ 15'20 0° \$\mathbb{m}\$ 18° \$\ambda\$ 00'35	1°12'43  18°21'23  -0°31'04 0°30'31 0.58359 AU  27°18'00  1°32'13 1°33'05
superior conj minimum elong asc. node evening rise evening max el retrograde evening set desc. node inferior conj minimum elong min. Earth dist. morning rise direct morning max el asc. node morning set	13417 Aug 26 04:03 13417 Aug 30 08:17 13417 Sep 02 06:48 13417 Sep 04 02:00 13417 Sep 20 04:20 13417 Sep 20 10:43 13417 Oct 01 01:54 13417 Oct 09 10:11 13417 Oct 09 10:11 13417 Oct 12 08:04 13417 Oct 17 03:57 13417 Oct 17 03:57 13417 Oct 17 03:57 13417 Oct 22 19:22 13417 Nov 04 08:59 13417 Nov 05 23:14 13417 Dec 10 09:67 13417 Dec 10 08:08 13417 Dec 10 08:08 13417 Dec 10 21:51 13417 Dec 10 21:23 13417 Dec 11 22:00 13417 Dec 17 22:03 13417 Dec 29 04:49	16° M 10'45 16° M 23'24 24° M 13'46 0° Ω 3° Ω 32'51 0° M 0° M 16'11 4° M 39'49 4° M 28'39 4° M 10'01 0° M 12'33 0° M 22'34 30° R Ω 28° Ω 11'11 25° Ω 26'14 24° Ω 11'08 0° M 1° M 27'30 0° ¾ 45'08 0° ¾ 16° ¾ 20'01 0° ♂ 1° ♂ 16'18 1° ♂ 13'41 3° ♂ 30'25 16° ♂ 30'08 0° ≈ 8° ≈ 04'26	-0°37'56 0°37'48 18°58'47 -2°15'13 2°12'32 0.56387 AU 26°04'20	minimum elong asc. node evening rise  evening max el retrograde evening set desc. node inferior conj minimum elong min. Earth dist. morning rise direct morning max el asc. node morning set  superior conj minimum elong max. Earth dist. evening rise desc. node evening max el retrograde	13418 Aug 08 19:34 13418 Aug 09 12:44 13418 Aug 17 04:53 13418 Aug 18 17:02 13418 Aug 25 18:32 13418 Sep 03 15:54 13418 Sep 11 04:19 13418 Sep 13 06:12 13418 Sep 19 04:36 13418 Sep 20 20:08 13418 Sep 20 18:58 13418 Sep 24 03:11 13418 Sep 24 03:11 13418 Sep 24 03:11 13418 Sep 28 04:17 13418 Oct 04 10:09 13418 Oct 18 17:43 13418 Nov 01 18:42 13418 Nov 13 06:46 13418 Nov 18 11:34 13418 Nov 18 02:36  13418 Nov 25 09:28 13418 Nov 25 09:28 13418 Nov 25 06:24 13418 Dec 01 17:55 13418 Dec 02 03:50 13418 Dec 16 01:47 13418 Dec 17 19:03 13418 Dec 31 23:46 13419 Jan 14 22:42	28° \$\Pi42'38\) 0° \$\mathbf{m}\) 14° \$\mathbf{m}\) 12'31\) 17° \$\mathbf{m}\) 02'37\) 0° \$\Lambda\] 12° \$\Lambda\] 38'50\] 16° \$\Lambda\] 27'12\] 16° \$\Lambda\] 10'29\] 12° \$\Lambda\] 52'56\] 6° \$\Lambda\] 10'20\] 4° \$\Lambda\] 28'06\] 12° \$\Lambda\] 60' \$\mathbf{m}\] 20° \$\mathbf{m}\] 09'06\] 0° \$\mathbf{m}\] 47'37\] 0° \$\mathbf{m}\] 15° \$\mathbf{m}\] 58'58'58\] 15° \$\mathbf{m}\] 51'05\] 15° \$\mathbf{m}\] 41'52\] 0° \$\mathbf{m}\] 27° \$\mathbf{m}\] 515'20\] 0° \$\mathbf{m}\] 18° \$\mathbf{m}\] 00'35\] 25° \$\mathbf{m}\] 09'35	1°12'43  18°21'23  -0°31'04 0°30'31 0.58359 AU  27°18'00  1°32'13 1°33'05 1.31216 AU
superior conj minimum elong asc. node evening rise evening max el retrograde evening set desc. node inferior conj minimum elong min. Earth dist. morning rise direct morning max el asc. node morning set	13417 Aug 26 04:03 13417 Aug 30 08:17 13417 Sep 02 06:48 13417 Sep 04 02:00 13417 Sep 20 04:20 13417 Sep 20 10:43 13417 Oct 01 01:54 13417 Oct 09 10:11 13417 Oct 09 10:11 13417 Oct 12 08:04 13417 Oct 12 08:04 13417 Oct 17 03:57 13417 Oct 17 03:57 13417 Oct 17 03:57 13417 Oct 18:59 13417 Nov 04 08:59 13417 Nov 05 23:14 13417 Dec 10 09:67 13417 Dec 10 08:08 13417 Dec 10 21:51 13417 Dec 10 21:51 13417 Dec 10 21:23 13417 Dec 11 22:00 13417 Dec 17 22:03 13417 Dec 17 22:03 13417 Dec 17 22:03 13417 Dec 24 17:03	16° M 10'45 16° M 23'24 24° M 13'46 0° Ω 3° Ω 32'51 0° M 0° M 16'11 4° M 39'49 4° M 28'39 4° M 10'01 0° M 12'33 0° M 22'34 30° R Ω 28° Ω 11'11 25° Ω 26'14 24° Ω 11'08 0° M 1° M 27'30 0° 🛪 45'08 0° 🛪 16° 🛪 20'01 0° ♂ 1° ♂ 16'18 1° ♂ 13'41 3° ♂ 30'25 16° ♂ 30'08 0° ≈	-0°37'56 0°37'48 18°58'47 -2°15'13 2°12'32 0.56387 AU 26°04'20 1°37'40 1°38'42 1.31592 AU	minimum elong asc. node evening rise  evening max el retrograde evening set desc. node inferior conj minimum elong min. Earth dist. morning rise direct morning max el asc. node morning set  superior conj minimum elong max. Earth dist. evening rise desc. node evening max el	13418 Aug 08 19:34 13418 Aug 09 12:44 13418 Aug 17 04:53 13418 Aug 18 17:02 13418 Aug 25 18:32 13418 Sep 03 15:54 13418 Sep 11 04:19 13418 Sep 13 06:12 13418 Sep 19 04:36 13418 Sep 20 20:08 13418 Sep 20 18:58 13418 Sep 20 18:58 13418 Sep 24 03:11 13418 Sep 24 03:11 13418 Sep 28 04:17 13418 Oct 04 10:09 13418 Oct 18 17:43 13418 Nov 01 18:42 13418 Nov 13 06:46 13418 Nov 18 02:36  13418 Nov 25 09:28 13418 Nov 25 09:28 13418 Nov 25 08:03 13418 Dec 01 17:55 13418 Dec 01 17:55 13418 Dec 02 03:50 13418 Dec 16 01:47 13418 Dec 17 19:03 13418 Dec 31 23:46	28° \$\Pi42'38\$ 0° \$\mathbb{m}\$ 14° \$\mathbb{m}\$ 12'31\$ 17° \$\mathbb{m}\$ 02'37\$ 0° \$\Lambda\$ 12° \$\Lambda\$ 38'50\$ 16° \$\Lambda\$ 27'12\$ 16° \$\Lambda\$ 10'29\$ 12° \$\Lambda\$ 52'14\$ 11° \$\Lambda\$ 33'17\$ 11° \$\Lambda\$ 33'40\$ 8° \$\Lambda\$ 52'56\$ 6° \$\Lambda\$ 10'20\$ 4° \$\Lambda\$ 28'06\$ 12° \$\Lambda\$ 06'40\$ 0° \$\mathbb{m}\$ 20° \$\mathbb{m}\$ 09'06\$ 0° \$\mathbb{m}\$ 47'37\$ 0° \$\mathbb{m}\$ 15° \$\mathbb{m}\$ 58'58\$ 15° \$\mathbb{m}\$ 51'05\$ 15° \$\mathbb{m}\$ 41'52\$ 0° \$\mathbb{G}\$ 0° \$\mathbb{G}\$ 53'12 27° \$\mathbb{G}\$ 15'20 0° \$\mathbb{m}\$ 18° \$\ambda\$ 00'35	1°12'43  18°21'23  -0°31'04 0°30'31 0.58359 AU  27°18'00  1°32'13 1°33'05 1.31216 AU

retrograde	13420 Dec 07 18:15	15° <b>る</b> 57'40		retrograde	13421 Nov 18 09:38	25° <b>₹</b> ³32'44	
evening set	13420 Dec 07 18:13 13420 Dec 12 13:34	15° <b>る</b> 07'18		evening set	13421 Nov 18 09.38 13421 Nov 21 19:18	25° <b>x</b> '32 44 25° <b>x</b> '07'10	
min. Earth dist.	13420 Dec 12 13:54 13420 Dec 18 15:52	13 <b>3</b> 07 18	0.55569 AU	inferior conj	13421 Nov 30 11:27	23 <b>x</b> 07 10 21° <b>x</b> 11'45	5051120
				3			
inferior conj	13420 Dec 20 15:15	10°る57'16		minimum elong	13421 Nov 30 07:34	21° <b>х</b> 17'13	
minimum elong	13420 Dec 20 20:03	10°る50'04	5°45'06	min. Earth dist.	13421 Nov 29 22:26	21° <b>х</b> 30'02	0.54639 AU
morning rise	13420 Dec 29 04:24	7° <b>る</b> 01'15		morning rise	13421 Dec 08 20:56	17° <b>∡</b> 24′29	
direct	13420 Dec 31 18:51	6°る44'10		direct	13421 Dec 12 06:43	16° <b>₹</b> ′58'33	
morning max el	13421 Jan 11 06:48	11°る45'53	20°06'16	morning max el	13421 Dec 24 07:21	22° <b>∡</b> ¹43'43	21°35'55
asc. node	13421 Jan 13 00:04	13° <b>る</b> 32'49		_	13421 Dec 30 11:57	0° <b>る</b>	
_	13421 Jan 23 18:27	0° <b>≈</b>		asc. node	13421 Dec 30 21:15	0° <b>る</b> 32'45	
morning set	13421 Jan 29 09:01	11° <b>≈</b> 03'53		morning set	13422 Jan 13 18:40	25° <b>る</b> 47'53	
					13422 Jan 15 18:31	0° <b>≈</b>	
superior conj	13421 Feb 06 01:50	26° <b>≈</b> 46'20	1°06'49				
minimum elong	13421 Feb 06 04:35	27°≈00'05	1°07'05	superior conj	13422 Jan 20 23:20	10° <b>≈</b> 59'04	1°23'54
	13421 Feb 07 16:47	0° <b>)</b>		minimum elong	13422 Jan 21 01:33	11° <b>≈</b> 10'37	1°24'30
max. Earth dist.	13421 Feb 11 20:52	8° <b>₩</b> 03'23	1.36840 AU	max. Earth dist.	13422 Jan 25 08:10	19° <b>≈</b> 55'44	1.34838 AU
desc. node	13421 Feb 14 20:11	13° <b>)</b> 34′00		evening rise	13422 Jan 29 12:24	28° <b>≈</b> 04'41	
evening rise	13421 Feb 15 15:08	14° <b>¥</b> 59'56			13422 Jan 30 12:51	0° <b>∀</b>	
	13421 Feb 24 09:24	$0^{\circ}$ Y		desc. node	13422 Feb 01 16:47	3° <b>¥</b> 59'42	
	13421 Mar 17 13:29	$0$ $\circ$ 8			13422 Feb 17 15:48	$0^{\circ}$ Y	
evening max el	13421 Mar 23 03:15	6° <b>8</b> 03'26	25°41'11	evening max el	13422 Mar 05 17:05	19° <b>Y</b> '49'32	26°41'52
retrograde	13421 Apr 04 13:40	13° <b>8</b> 13'16		retrograde	13422 Mar 18 20:27	27° <b>Ƴ</b> 13′09	
evening set	13421 Apr 10 13:25	10° <b>8</b> 45'06		evening set	13422 Mar 25 06:26	24° <b>Ƴ</b> 41′06	
asc. node	13421 Apr 10 20:48	10° <b>8</b> 29'13		asc. node	13422 Mar 28 18:15	21° <b>Y</b> 15'00	
min. Earth dist.	13421 Apr 14 20:01	6° <b>8</b> 07'04	0.67569 AU	min. Earth dist.	13422 Mar 29 07:23	20° <b>Ƴ</b> 37'19	0.66279 AU
inferior conj	13421 Apr 16 07:15	4° <b>8</b> 14'50	1°37'33	inferior conj	13422 Mar 31 06:54	18° <b>Ƴ</b> 16'36	0°47'33
minimum elong	13421 Apr 16 05:15	4° <b>8</b> 21'12	1°36'24	minimum elong	13422 Mar 31 05:42	18° <b>Ƴ</b> 20′10	0°46'53
	13421 Apr 19 22:51	30° <b>₹Ƴ</b>		morning rise	13422 Apr 06 06:07	12° <b>Ƴ</b> 37'35	
morning rise	13421 Apr 21 21:39	28° <b>Y</b> 24'40		direct	13422 Apr 09 05:19	11° <b>Y</b> 48'44	
direct	13421 Apr 25 07:09	27° <b>Y</b> 18'36		morning max el	13422 Apr 15 15:15	15° <b>Ƴ</b> 12'04	18°16'38
	13421 May 01 00:29	$9^{\circ}$ 8			13422 Apr 26 14:37	0°B	
morning max el	13421 May 02 02:25	0° <b>8</b> 59'48	18°57'27	desc. node	13422 Apr 30 19:05	6° <b>႘</b> 35'40	
desc. node	13421 May 13 22:24	16° <b>8</b> 33'52		morning set	13422 May 05 05:39	13° <b>8</b> 40'49	
greatest brilliancy	13421 May 15 11:24	18° <b>8</b> 53'02	-0.8m	C	13422 May 15 12:29	$\Pi^{\circ}0$	
· ·	13421 May 22 17:18	0°II			J		
morning set	13421 May 25 00:03	3° <b>Ⅱ</b> 31'55		superior conj	13422 May 20 16:31	8° <b>Ⅱ</b> 06'21	-1°59'02
Č				- · · · · · · · · · · · · · · · · · · ·			
max. Earth dist.	13421 Jun 08 03:52	25° <b>Ⅱ</b> 34'08	1.45552 AU	minimum elong	13422 May 20 08:26	7° <b>Ⅱ</b> 34'46	1°59'25
max. Earth dist.	•	25° <b>Ⅱ</b> 34'08	1.45552 AU	minimum elong max. Earth dist.	13422 May 20 08:26 13422 May 21 23:40		1°59'25 1.45838 AU
	13421 Jun 08 03:52			minimum elong max. Earth dist.	13422 May 21 23:40	10° <b>Ⅲ</b> 08′01	1°59'25 1.45838 AU
superior conj	13421 Jun 08 03:52 13421 Jun 10 08:47	29° <b>Ⅲ</b> 01'38	-2°13'13	max. Earth dist.	13422 May 21 23:40 13422 Jun 03 17:31	10°Ⅲ08'01 0°©	
	13421 Jun 08 03:52 13421 Jun 10 08:47 13421 Jun 10 07:17	29°Щ01'38 28°Щ55'45	-2°13'13	max. Earth dist.	13422 May 21 23:40 13422 Jun 03 17:31 13422 Jun 05 16:37	10°Д08'01 0°ഇ 3°ഇ03'44	1.45838 AU
superior conj minimum elong	13421 Jun 08 03:52 13421 Jun 10 08:47 13421 Jun 10 07:17 13421 Jun 10 23:38	29°∏01'38 28°∏55'45 0°©	-2°13'13	max. Earth dist.	13422 May 21 23:40 13422 Jun 03 17:31 13422 Jun 05 16:37 13422 Jun 16 09:58	10°Д08'01 0°© 3°©03'44 19°©41'41	
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superior conj minimum elong evening rise asc. node	13421 Jun 08 03:52 13421 Jun 10 08:47 13421 Jun 10 07:17 13421 Jun 10 23:38 13421 Jun 25 09:11 13421 Jun 29 16:35 13421 Jul 07 19:04	29° \$\Pi\01'38\\ 28° \$\Pi\55'45\\ 0° \$\Sigma\\ 23° \$\Sigma\0'25\\ 0° \$\Omega\\\ 12° \$\Omega\48'24\\	-2°13'13 2°14'13	max. Earth dist.  evening rise greatest brilliancy  asc. node evening max el	13422 May 21 23:40 13422 Jun 03 17:31 13422 Jun 05 16:37 13422 Jun 16 09:58 13422 Jun 23 11:54 13422 Jun 24 15:59 13422 Jun 28 17:40	10° M 08'01 0° S 3° S 03'44 19° S 41'41 0° N 1° N 32'56 6° N 16'23	1.45838 AU
superior conj minimum elong evening rise asc. node evening max el	13421 Jun 08 03:52 13421 Jun 10 08:47 13421 Jun 10 07:17 13421 Jun 10 23:38 13421 Jun 25 09:11 13421 Jun 29 16:35 13421 Jul 07 19:04 13421 Jul 15 07:23	29° \$\Pi\$01'38 28° \$\Pi\$55'45 0° \$\Sigma\$ 23° \$\Sigma\$00'25 0° \$\Omega\$ 12° \$\Omega\$48'24 22° \$\Omega\$31'53	-2°13'13	max. Earth dist.  evening rise greatest brilliancy  asc. node evening max el retrograde	13422 May 21 23:40 13422 Jun 03 17:31 13422 Jun 05 16:37 13422 Jun 16 09:58 13422 Jun 23 11:54 13422 Jun 24 15:59 13422 Jun 28 17:40 13422 Jul 05 13:35	10°M08'01 0°S 3°S03'44 19°S41'41 0°N 1°N32'56 6°N16'23 10°N02'47	1.45838 AU -0.8m
superior conj minimum elong evening rise asc. node evening max el retrograde	13421 Jun 08 03:52 13421 Jun 10 08:47 13421 Jun 10 07:17 13421 Jun 10 23:38 13421 Jun 25 09:11 13421 Jun 29 16:35 13421 Jul 07 19:04 13421 Jul 15 07:23 13421 Jul 21 17:42	29° \$\Pi\$01'38 28° \$\Pi\$55'45 0° \$\Sigma\$ 23° \$\Sigma\$00'25 0° \$\Omega\$ 12° \$\Omega\$48'24 22° \$\Omega\$31'53 25° \$\Omega\$58'50	-2°13'13 2°14'13	max. Earth dist.  evening rise greatest brilliancy  asc. node evening max el retrograde evening set	13422 May 21 23:40 13422 Jun 03 17:31 13422 Jun 05 16:37 13422 Jun 16 09:58 13422 Jun 23 11:54 13422 Jun 24 15:59 13422 Jun 28 17:40 13422 Jul 05 13:35 13422 Jul 09 00:54	10° M 08'01 0° S 3° S 03'44 19° S 41'41 0° N 1° N 32'56 6° N 16'23 10° N 02'47 8° N 52'59	1.45838 AU -0.8m 19°03'28
superior conj minimum elong evening rise asc. node evening max el retrograde evening set	13421 Jun 08 03:52 13421 Jun 10 08:47 13421 Jun 10 07:17 13421 Jun 10 23:38 13421 Jun 25 09:11 13421 Jun 29 16:35 13421 Jul 07 19:04 13421 Jul 15 07:23 13421 Jul 21 17:42 13421 Jul 24 19:58	29° \$\Pi\01'38\\ 28° \$\Pi\55'45\\ 0° \$\Sigma\\ 23° \$\Sigma\00'25\\ 0° \$\Omega\\ 12° \$\Omega\48'24\\ 22° \$\Omega\31'53\\ 25° \$\Omega\58'50\\ 25° \$\Omega\523\\	-2°13'13 2°14'13	max. Earth dist.  evening rise greatest brilliancy  asc. node evening max el retrograde evening set inferior conj	13422 May 21 23:40 13422 Jun 03 17:31 13422 Jun 05 16:37 13422 Jun 16 09:58 13422 Jun 23 11:54 13422 Jun 24 15:59 13422 Jun 28 17:40 13422 Jul 05 13:35 13422 Jul 09 00:54 13422 Jul 14 12:23	10° M08'01 0° S 3° S03'44 19° S41'41 0° A 1° A32'56 6° A16'23 10° A02'47 8° A52'59 3° A06'40	1.45838 AU -0.8m 19°03'28 3°01'46
superior conj minimum elong evening rise asc. node evening max el retrograde evening set inferior conj	13421 Jun 08 03:52 13421 Jun 10 08:47 13421 Jun 10 07:17 13421 Jun 10 23:38 13421 Jun 25 09:11 13421 Jun 29 16:35 13421 Jul 07 19:04 13421 Jul 15 07:23 13421 Jul 21 17:42 13421 Jul 24 19:58 13421 Jul 30 14:45	29° \$\Pi\01'38\$ 28° \$\Pi\55'45\$ 0° \$\Sigma\23° \$\Sigma\025'\025\$ 12° \$\Omega\48'24\$ 22° \$\Omega\31'53\$ 25° \$\Omega\58'50\$ 25° \$\Omega\523'\033'43\$	-2°13'13 2°14'13 18°26'10 2°37'19	max. Earth dist.  evening rise greatest brilliancy  asc. node evening max el retrograde evening set inferior conj minimum elong	13422 May 21 23:40 13422 Jun 03 17:31 13422 Jun 05 16:37 13422 Jun 16 09:58 13422 Jun 23 11:54 13422 Jun 24 15:59 13422 Jun 28 17:40 13422 Jul 05 13:35 13422 Jul 09 00:54 13422 Jul 14 12:23 13422 Jul 14 13:47	10° M08'01 0° S 3° S03'44 19° S41'41 0° R 1° R32'56 6° R16'23 10° R02'47 8° R52'59 3° R06'40 3° R02'12	1.45838 AU -0.8m 19°03'28 3°01'46 3°00'41
superior conj minimum elong evening rise asc. node evening max el retrograde evening set inferior conj minimum elong	13421 Jun 08 03:52 13421 Jun 10 08:47 13421 Jun 10 07:17 13421 Jun 10 23:38 13421 Jun 25 09:11 13421 Jun 29 16:35 13421 Jul 07 19:04 13421 Jul 15 07:23 13421 Jul 21 17:42 13421 Jul 24 19:58 13421 Jul 30 14:45 13421 Jul 30 16:58	29° Π01'38 28° Π55'45 0° © 23° ©00'25 0° Ω 12° Ω48'24 22° Ω31'53 25° Ω58'50 25° Ω05'23 19° Ω33'43 19° Ω27'05	-2°13'13 2°14'13 18°26'10 2°37'19 2°36'07	max. Earth dist.  evening rise greatest brilliancy  asc. node evening max el retrograde evening set inferior conj	13422 May 21 23:40 13422 Jun 03 17:31 13422 Jun 05 16:37 13422 Jun 16 09:58 13422 Jun 23 11:54 13422 Jun 24 15:59 13422 Jun 28 17:40 13422 Jul 05 13:35 13422 Jul 09 00:54 13422 Jul 14 12:23 13422 Jul 14 13:47 13422 Jul 16 02:29	10° M08'01 0° S 3° S03'44 19° S41'41 0° R 1° R32'56 6° R16'23 10° R02'47 8° R52'59 3° R06'40 3° R02'12 1° R04'43	1.45838 AU -0.8m 19°03'28 3°01'46
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superior conj minimum elong evening rise asc. node evening max el retrograde evening set inferior conj minimum elong min. Earth dist. morning rise desc. node	13421 Jun 08 03:52  13421 Jun 10 08:47 13421 Jun 10 07:17 13421 Jun 10 23:38 13421 Jun 25 09:11 13421 Jun 29 16:35 13421 Jul 07 19:04 13421 Jul 15 07:23 13421 Jul 21 17:42 13421 Jul 24 19:58 13421 Jul 30 14:45 13421 Jul 30 16:58 13421 Jul 30 16:58 13421 Aug 01 19:28 13421 Aug 05 12:44 13421 Aug 09 21:04	29° II 01'38 28° II 55'45 0° © 23° © 00'25 0° \( \Omega\) 12° \( \Omega\) 48'24 22° \( \Omega\) 31'53 25° \( \Omega\) 58'50 25° \( \Omega\) 50'23 19° \( \Omega\) 33'43 19° \( \Omega\) 27'05 16° \( \Omega\) 57'35 13° \( \Omega\) 12'26 10° \( \Omega\) 50'22	-2°13'13 2°14'13 18°26'10 2°37'19 2°36'07	max. Earth dist.  evening rise greatest brilliancy  asc. node evening max el retrograde evening set inferior conj minimum elong min. Earth dist.  morning rise direct	13422 May 21 23:40 13422 Jun 03 17:31 13422 Jun 05 16:37 13422 Jun 16 09:58 13422 Jun 23 11:54 13422 Jun 24 15:59 13422 Jun 28 17:40 13422 Jul 05 13:35 13422 Jul 09 00:54 13422 Jul 14 12:23 13422 Jul 14 13:47 13422 Jul 16 02:29 13422 Jul 16 02:29 13422 Jul 16 23:24 13422 Jul 20 02:00 13422 Jul 26 06:39	10° M08'01 0° \$\infty\$ 3° \$\infty\$03'44 19° \$\infty\$41'41 0° \$\Omega\$ 1° \$\Omega\$32'56 6° \$\Omega\$16'23 10° \$\Omega\$02'47 8° \$\Omega\$52'59 3° \$\Omega\$06'40 3° \$\Omega\$02'12 1° \$\Omega\$04'43 30° \$\infty\$26° \$\infty\$42'35 24° \$\infty\$02'52	1.45838 AU -0.8m 19°03'28 3°01'46 3°00'41
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superior conj minimum elong evening rise asc. node evening max el retrograde evening set inferior conj minimum elong min. Earth dist. morning rise desc. node direct morning max el	13421 Jun 08 03:52  13421 Jun 10 08:47 13421 Jun 10 07:17 13421 Jun 10 23:38 13421 Jun 25 09:11 13421 Jun 29 16:35 13421 Jul 07 19:04 13421 Jul 15 07:23 13421 Jul 21 17:42 13421 Jul 24 19:58 13421 Jul 30 14:45 13421 Jul 30 16:58 13421 Aug 01 19:28 13421 Aug 05 12:44 13421 Aug 09 21:04 13421 Aug 12 01:20 13421 Aug 25 14:21 13421 Sep 04 07:13 13421 Sep 23 12:06 13421 Sep 30 01:00 13421 Oct 03 20:46	29° II 01'38 28° II 55'45 0° © 23° © 00'25 0° Ω 12° Ω 48'24 22° Ω 31'53 25° Ω 58'50 25° Ω 05'23 19° Ω 33'43 19° Ω 27'05 16° Ω 57'35 13° Ω 12'26 10° Ω 50'22 10° Ω 33'22 18° Ω 30'16 0° ID 0° Ω 12° Ω 12'12 19° Ω 49'48	-2°13'13 2°14'13 18°26'10 2°37'19 2°36'07 0.64909 AU 27°15'59	max. Earth dist.  evening rise greatest brilliancy  asc. node evening max el retrograde evening set inferior conj minimum elong min. Earth dist.  morning rise direct desc. node  morning max el morning set	13422 May 21 23:40 13422 Jun 03 17:31 13422 Jun 05 16:37 13422 Jun 16 09:58 13422 Jun 23 11:54 13422 Jun 24 15:59 13422 Jun 05 13:35 13422 Jul 05 13:35 13422 Jul 14 12:23 13422 Jul 14 12:23 13422 Jul 16 02:29 13422 Jul 16 02:29 13422 Jul 16 23:24 13422 Jul 20 02:00 13422 Jul 20 02:00 13422 Jul 26 06:39 13422 Jul 27 18:28 13422 Aug 06 08:16 13422 Aug 09 09:27 13422 Aug 29 09:27 13422 Sep 13 00:28 13422 Sep 13 00:28	10° H08'01 0° \$\int 30'3'44 19° \$\int 41'41 0° \$\int 10' \$\int 32'56 6° \$\int 16'23 10° \$\int 02'47 8° \$\int 52'59 3° \$\int 002'42 1° \$\int 00'443 30° \$\int 22'35 24° \$\int 10'4 0° \$\int 10' \$\int 03'58 0° \$\int 24' \$\int 58'01 0° \$\int 10'\$	1.45838 AU -0.8m 19°03'28 3°01'46 3°00'41 0.66594 AU
superior conj minimum elong evening rise asc. node evening max el retrograde evening set inferior conj minimum elong min. Earth dist. morning rise desc. node direct morning max el	13421 Jun 08 03:52  13421 Jun 10 08:47 13421 Jun 10 07:17 13421 Jun 10 23:38 13421 Jun 25 09:11 13421 Jun 29 16:35 13421 Jul 07 19:04 13421 Jul 15 07:23 13421 Jul 21 17:42 13421 Jul 24 19:58 13421 Jul 30 14:45 13421 Jul 30 16:58 13421 Aug 01 19:28 13421 Aug 01 19:28 13421 Aug 05 12:44 13421 Aug 09 21:04 13421 Aug 25 14:21 13421 Sep 04 07:13 13421 Sep 23 12:06 13421 Sep 30 01:00	29° II 01'38 28° II 55'45 0° II 55'45 0° II 55'45 0° II 60' II 60	-2°13'13 2°14'13 18°26'10 2°37'19 2°36'07 0.64909 AU	max. Earth dist.  evening rise greatest brilliancy  asc. node evening max el retrograde evening set inferior conj minimum elong min. Earth dist.  morning rise direct desc. node morning max el morning set	13422 May 21 23:40 13422 Jun 03 17:31 13422 Jun 05 16:37 13422 Jun 16 09:58 13422 Jun 23 11:54 13422 Jun 24 15:59 13422 Jun 05 13:35 13422 Jul 05 13:35 13422 Jul 14 12:23 13422 Jul 14 12:23 13422 Jul 14 13:47 13422 Jul 16 02:29 13422 Jul 16 23:24 13422 Jul 20 02:00 13422 Jul 20 02:00 13422 Jul 26 06:39 13422 Jul 27 18:28 13422 Aug 06 08:16 13422 Aug 08 01:20 13422 Aug 29 09:27 13422 Sep 13 00:28 13422 Sep 15 16:24 13422 Sep 16 20:20	10° M08'01 0° \$\overline{3}\circ \text{M08'01} 10° \text{M} 20' \text{M} 30' \text{M02'12} 10° \text{M04'43} 30° \text{RS} 26° \text{S42'35} 24° \text{S02'52} 24° \text{S011'04} 0° \text{M} 10° \text{M} 24° \text{M} 58'01 0° \text{M} 20° \text{M}	1.45838 AU -0.8m 19°03'28 3°01'46 3°00'41 0.66594 AU
superior conj minimum elong evening rise asc. node evening max el retrograde evening set inferior conj minimum elong min. Earth dist. morning rise desc. node direct morning max el	13421 Jun 08 03:52  13421 Jun 10 08:47 13421 Jun 10 07:17 13421 Jun 10 23:38 13421 Jun 25 09:11 13421 Jun 29 16:35 13421 Jul 07 19:04 13421 Jul 15 07:23 13421 Jul 21 17:42 13421 Jul 24 19:58 13421 Jul 30 14:45 13421 Jul 30 16:58 13421 Jul 30 16:58 13421 Aug 01 19:28 13421 Aug 05 12:44 13421 Aug 09 21:04 13421 Aug 12 01:20 13421 Aug 25 14:21 13421 Sep 04 07:13 13421 Sep 30 01:00 13421 Oct 03 20:46 13421 Oct 04 11:38	29° II 01'38 28° II 55'45 0° © 23° © 00'25 0° Ω 12° Ω 48'24 22° Ω 31'53 25° Ω 58'50 25° Ω 05'23 19° Ω 33'43 19° Ω 27'05 16° Ω 57'35 13° Ω 12'26 10° Ω 50'22 10° Ω 33'22 18° Ω 30'16 0° II 0° II 12° Ω 12'12 19° Ω 49'48 21° Ω 05'54	-2°13'13 2°14'13 18°26'10 2°37'19 2°36'07 0.64909 AU 27°15'59	max. Earth dist.  evening rise greatest brilliancy  asc. node evening max el retrograde evening set inferior conj minimum elong min. Earth dist.  morning rise direct desc. node  morning max el morning set	13422 May 21 23:40 13422 Jun 03 17:31 13422 Jun 05 16:37 13422 Jun 16 09:58 13422 Jun 23 11:54 13422 Jun 24 15:59 13422 Jun 05 13:35 13422 Jul 05 13:35 13422 Jul 14 12:23 13422 Jul 14 12:23 13422 Jul 16 02:29 13422 Jul 16 02:29 13422 Jul 16 23:24 13422 Jul 20 02:00 13422 Jul 20 02:00 13422 Jul 26 06:39 13422 Jul 27 18:28 13422 Aug 06 08:16 13422 Aug 09 09:27 13422 Aug 29 09:27 13422 Sep 13 00:28 13422 Sep 13 00:28	10° H08'01 0° \$\int 30'3'44 19° \$\int 41'41 0° \$\int 10' \$\int 32'56 6° \$\int 16'23 10° \$\int 02'47 8° \$\int 52'59 3° \$\int 002'42 1° \$\int 00'443 30° \$\int 22'35 24° \$\int 10'4 0° \$\int 10' \$\int 03'58 0° \$\int 24' \$\int 58'01 0° \$\int 10'\$	1.45838 AU -0.8m 19°03'28 3°01'46 3°00'41 0.66594 AU
superior conj minimum elong evening rise asc. node evening max el retrograde evening set inferior conj minimum elong min. Earth dist. morning rise desc. node direct morning max el morning set asc. node max. Earth dist.	13421 Jun 08 03:52  13421 Jun 10 08:47 13421 Jun 10 07:17 13421 Jun 10 23:38 13421 Jun 25 09:11 13421 Jun 29 16:35 13421 Jul 07 19:04 13421 Jul 15 07:23 13421 Jul 21 17:42 13421 Jul 24 19:58 13421 Jul 30 14:45 13421 Jul 30 16:58 13421 Jul 30 16:58 13421 Jul 30 16:58 13421 Aug 01 19:28 13421 Aug 05 12:44 13421 Aug 09 21:04 13421 Aug 12 01:20 13421 Aug 25 14:21 13421 Sep 04 07:13 13421 Sep 23 12:06 13421 Sep 30 01:00 13421 Oct 03 20:46 13421 Oct 04 11:38	29° II 01'38 28° II 55'45 0° © 23° © 00'25 0° Ω 12° Ω 48'24 22° Ω 31'53 25° Ω 58'50 25° Ω 05'23 19° Ω 27'05 16° Ω 57'35 13° Ω 12'26 10° Ω 50'22 10° Ω 33'22 18° Ω 30'16 0° ID 0° Ω 12° Ω 12'12 19° Ω 49'48 21° Ω 05'54	-2°13'13 2°14'13 18°26'10 2°37'19 2°36'07 0.64909 AU 27°15'59	max. Earth dist.  evening rise greatest brilliancy  asc. node evening max el retrograde evening set inferior conj minimum elong min. Earth dist.  morning rise direct desc. node  morning max el morning set  max. Earth dist.  asc. node	13422 May 21 23:40 13422 Jun 03 17:31 13422 Jun 05 16:37 13422 Jun 16 09:58 13422 Jun 23 11:54 13422 Jun 24 15:59 13422 Jun 28 17:40 13422 Jul 05 13:35 13422 Jul 09 00:54 13422 Jul 14 12:23 13422 Jul 14 13:47 13422 Jul 16 02:29 13422 Jul 16 02:29 13422 Jul 16 02:29 13422 Jul 20 02:00 13422 Jul 20 02:00 13422 Jul 27 18:28 13422 Aug 06 08:16 13422 Aug 08 01:20 13422 Aug 09 09:27 13422 Sep 13 00:28 13422 Sep 15 16:24 13422 Sep 16 20:20 13422 Sep 20 17:22	10° M08'01 0° \$\overline{9}\$ 3° \$\overline{9}\$03'44 19° \$\overline{9}\$41'41 0° \$\Overline{0}\$ 1° \$\Overline{0}\$32'56 6° \$\Overline{0}\$16'23 10° \$\Overline{0}\$20'47 8° \$\Overline{0}\$52'59 3° \$\Overline{0}\$06'40 3° \$\Overline{0}\$02'12 1° \$\Overline{0}\$04'43 30° \$\overline{9}\$26° \$\overline{9}\$42'35 24° \$\overline{9}\$02'52 24° \$\overline{9}\$11'04 0° \$\Overline{0}\$\$10' \$\Overline{0}\$39'58 0° \$\overline{0}\$\$0' \$\overline{0}\$\$2° \$\overline{0}\$\$14'47 9° \$\overline{0}\$\$56'20	1.45838 AU -0.8m 19°03'28 3°01'46 3°00'41 0.66594 AU 26°12'15
superior conj minimum elong evening rise asc. node evening max el retrograde evening set inferior conj minimum elong min. Earth dist. morning rise desc. node direct morning max el	13421 Jun 08 03:52  13421 Jun 10 08:47 13421 Jun 10 07:17 13421 Jun 10 23:38 13421 Jun 25 09:11 13421 Jun 29 16:35 13421 Jul 07 19:04 13421 Jul 15 07:23 13421 Jul 21 17:42 13421 Jul 24 19:58 13421 Jul 30 14:45 13421 Jul 30 16:58 13421 Jul 30 16:58 13421 Jul 30 16:58 13421 Aug 01 19:28 13421 Aug 05 12:44 13421 Aug 09 21:04 13421 Aug 12 01:20 13421 Aug 25 14:21 13421 Sep 04 07:13 13421 Sep 23 12:06 13421 Oct 03 20:46 13421 Oct 04 11:38	29° II 01'38 28° II 55'45 0° © 23° © 00'25 0° Ω 12° Ω 48'24 22° Ω 31'53 25° Ω 58'50 25° Ω 05'23 19° Ω 27'05 16° Ω 57'35 13° Ω 12'26 10° Ω 50'22 10° Ω 33'22 18° Ω 30'16 0° ID 0° Ω 12° Ω 12'12 19° Ω 49'48 21° Ω 05'54	-2°13'13 2°14'13 18°26'10 2°37'19 2°36'07 0.64909 AU 27°15'59	max. Earth dist.  evening rise greatest brilliancy  asc. node evening max el retrograde evening set inferior conj minimum elong min. Earth dist.  morning rise direct desc. node  morning max el morning set  max. Earth dist.  asc. node  superior conj	13422 May 21 23:40 13422 Jun 03 17:31 13422 Jun 05 16:37 13422 Jun 16 09:58 13422 Jun 23 11:54 13422 Jun 24 15:59 13422 Jun 28 17:40 13422 Jul 05 13:35 13422 Jul 09 00:54 13422 Jul 14 12:23 13422 Jul 14 13:47 13422 Jul 16 02:29 13422 Jul 16 02:29 13422 Jul 16 02:29 13422 Jul 20 02:00 13422 Jul 20 06:39 13422 Jul 27 18:28 13422 Aug 06 08:16 13422 Aug 08 01:20 13422 Aug 09 09:27 13422 Sep 13 00:28 13422 Sep 15 16:24 13422 Sep 16 20:20 13422 Sep 20 17:22	10° M08'01 0° \$\overline{3}\circ \overline{3}\circ \overline{4}\text{1'41} 0° \Overline{A} 1° \Overline{A}\text{32'56} 6° \Overline{A}\text{16'23} 10° \Overline{A}\text{02'47} 8° \Overline{A}\text{52'59} 3° \Overline{A}\text{06'40} 3° \Overline{A}\text{02'12} 1° \Overline{A}\text{04'43} 30° \overline{8}\text{26' \overline{9}\text{2'35}} 24° \overline{9}\text{02'52} 24° \overline{9}\text{11'04} 0° \Overline{A} 1° \Overline{A}\text{39'58} 0° \overline{m} 24° \overline{9}\text{58'01} 0° \overline{\text{0}} 2° \overline{\text{0}}\text{14'47} 9° \overline{\text{0}}\text{56'20}	1.45838 AU -0.8m  19°03'28  3°01'46 3°00'41 0.66594 AU  26°12'15  1.34973 AU  0°14'00
superior conj minimum elong evening rise asc. node evening max el retrograde evening set inferior conj minimum elong min. Earth dist. morning rise desc. node direct morning max el morning set asc. node max. Earth dist.	13421 Jun 08 03:52  13421 Jun 10 08:47 13421 Jun 10 07:17 13421 Jun 10 23:38 13421 Jun 25 09:11 13421 Jun 29 16:35 13421 Jul 07 19:04 13421 Jul 15 07:23 13421 Jul 21 17:42 13421 Jul 24 19:58 13421 Jul 30 16:58 13421 Jul 30 16:58 13421 Aug 01 19:28 13421 Aug 05 12:44 13421 Aug 09 21:04 13421 Aug 12 01:20 13421 Aug 25 14:21 13421 Sep 04 07:13 13421 Sep 23 12:06 13421 Oct 03 20:46 13421 Oct 04 11:38  13421 Oct 08 08:30 13421 Oct 08 06:36 13421 Oct 08 06:36 13421 Oct 08 17:34	29° II 01'38 28° II 55'45 0° © 23° © 00'25 0° N 12° N 48'24 22° N 31'53 25° N 58'50 25° N 05'23 19° N 33'43 19° N 27'05 16° N 50'22 10° N 30'16 0° M 0° D 12° D 12'12 19° D 49'48 21° D 05'54	-2°13'13 2°14'13 18°26'10 2°37'19 2°36'07 0.64909 AU 27°15'59	max. Earth dist.  evening rise greatest brilliancy  asc. node evening max el retrograde evening set inferior conj minimum elong min. Earth dist.  morning rise direct desc. node  morning max el morning set  max. Earth dist.  asc. node  superior conj minimum elong	13422 May 21 23:40 13422 Jun 03 17:31 13422 Jun 05 16:37 13422 Jun 16 09:58 13422 Jun 23 11:54 13422 Jun 24 15:59 13422 Jun 28 17:40 13422 Jul 05 13:35 13422 Jul 09 00:54 13422 Jul 14 12:23 13422 Jul 14 13:47 13422 Jul 16 02:29 13422 Jul 16 02:29 13422 Jul 20 02:00 13422 Jul 26 06:39 13422 Jul 27 18:28 13422 Aug 06 08:16 13422 Aug 08 01:20 13422 Aug 29 09:27 13422 Sep 13 00:28 13422 Sep 15 16:24 13422 Sep 15 16:24 13422 Sep 20 17:22	10° M08'01 0° \$\overline{3}\circ \overline{9}\text{3'} \overline{9}\text{3''} \overline{4''} \text{10''} \Overline{A''} \text{3''} \Overline{3''} \Overline{A''} \text{3''} \Overline{A''} \text{3''} \Overline{A''} \text{3''} \Overline{A''} \Overline{3''} \Overline{A''} \Overline{A''} \Overline{3''} \Overline{A''} \Overline{A''} \Overline{A''} \Overline{3''} \Overline{A''} \Overli	1.45838 AU -0.8m 19°03'28 3°01'46 3°00'41 0.66594 AU 26°12'15
superior conj minimum elong evening rise asc. node evening max el retrograde evening set inferior conj minimum elong min. Earth dist. morning rise desc. node direct morning max el morning set asc. node max. Earth dist.	13421 Jun 08 03:52  13421 Jun 10 08:47 13421 Jun 10 07:17 13421 Jun 10 23:38 13421 Jun 25 09:11 13421 Jun 29 16:35 13421 Jul 07 19:04 13421 Jul 15 07:23 13421 Jul 21 17:42 13421 Jul 24 19:58 13421 Jul 30 16:58 13421 Jul 30 16:58 13421 Aug 01 19:28 13421 Aug 05 12:44 13421 Aug 09 21:04 13421 Aug 12 01:20 13421 Aug 25 14:21 13421 Sep 04 07:13 13421 Sep 23 12:06 13421 Oct 03 20:46 13421 Oct 04 11:38  13421 Oct 08 08:30 13421 Oct 08 08:30 13421 Oct 08 17:34 13421 Oct 08 17:34 13421 Oct 08 17:34	29° II 01'38 28° II 55'45 0° © 23° © 00'25 0° N 12° N 48'24 22° N 31'53 25° N 58'50 25° N 05'23 19° N 33'43 19° N 27'05 16° N 50'22 10° N 30'16 0° M 0° D 12° D 12'12 19° D 49'48 21° D 05'54 29° D 11'44 29° D 01'37 0° IL 14° IL 26'03	-2°13'13 2°14'13 18°26'10 2°37'19 2°36'07 0.64909 AU 27°15'59	max. Earth dist.  evening rise greatest brilliancy  asc. node evening max el retrograde evening set inferior conj minimum elong min. Earth dist.  morning rise direct desc. node  morning max el morning set  max. Earth dist.  asc. node  superior conj minimum elong behind sun begin	13422 May 21 23:40 13422 Jun 03 17:31 13422 Jun 05 16:37 13422 Jun 16 09:58 13422 Jun 23 11:54 13422 Jun 24 15:59 13422 Jun 28 17:40 13422 Jul 05 13:35 13422 Jul 09 00:54 13422 Jul 14 12:23 13422 Jul 14 13:47 13422 Jul 16 02:29 13422 Jul 16 02:29 13422 Jul 20 02:00 13422 Jul 26 06:39 13422 Jul 27 18:28 13422 Jul 27 18:28 13422 Aug 06 08:16 13422 Aug 08 01:20 13422 Aug 29 09:27 13422 Sep 13 00:28 13422 Sep 15 16:24 13422 Sep 20 17:22 13422 Sep 20 17:22	10° M08'01 0° 9 3° 903'44 19° 941'41 0° N 1° N32'56 6° N16'23 10° N02'47 8° N52'59 3° N06'40 3° N02'12 1° N04'43 30° R9 26° 942'35 24° 902'52 24° 911'04 0° N 1° N39'58 0° m 24° m 58'01 0° 9 2° 914'47 9° 956'20 12° 957'44 12° 953'43 12° 938'22	1.45838 AU -0.8m  19°03'28  3°01'46 3°00'41 0.66594 AU  26°12'15  1.34973 AU  0°14'00
superior conj minimum elong  evening rise  asc. node evening max el retrograde evening set inferior conj minimum elong min. Earth dist. morning rise desc. node direct morning max el  morning set asc. node max. Earth dist.  superior conj minimum elong evening rise	13421 Jun 08 03:52  13421 Jun 10 08:47 13421 Jun 10 07:17 13421 Jun 10 23:38 13421 Jun 25 09:11 13421 Jun 29 16:35 13421 Jul 07 19:04 13421 Jul 15 07:23 13421 Jul 21 17:42 13421 Jul 24 19:58 13421 Jul 30 14:45 13421 Jul 30 16:58 13421 Aug 01 19:28 13421 Aug 01 19:28 13421 Aug 02 12:04 13421 Aug 02 21:04 13421 Aug 03 12:04 13421 Aug 04 07:13 13421 Sep 04 07:13 13421 Sep 04 07:13 13421 Sep 04 07:13 13421 Sep 04 07:13 13421 Oct 03 20:46 13421 Oct 04 11:38  13421 Oct 08 08:30 13421 Oct 08 06:36 13421 Oct 08 17:34 13421 Oct 08 17:34 13421 Oct 08 17:34 13421 Oct 08 06:36	29° M01'38 28° M55'45 0° © 23° ©00'25 0° N 12° N48'24 22° N31'53 25° N58'50 25° N05'23 19° N33'43 19° N27'05 16° N57'35 13° N12'26 10° N50'22 10° N30'16 0° M 0° Ω 12° Ω 12'12 19° Ω 49'48 21° Ω 05'54 29° Ω 11'44 29° Ω 01'37 0° M 14° M26'03 0° ✓	-2°13'13 2°14'13 18°26'10 2°37'19 2°36'07 0.64909 AU 27°15'59 1.33250 AU 0°41'40 0°41'43	max. Earth dist.  evening rise greatest brilliancy  asc. node evening max el retrograde evening set inferior conj minimum elong min. Earth dist.  morning rise direct desc. node  morning max el morning set  max. Earth dist.  asc. node  superior conj minimum elong behind sun begin behind sun end	13422 May 21 23:40 13422 Jun 03 17:31 13422 Jun 05 16:37 13422 Jun 16 09:58 13422 Jun 23 11:54 13422 Jun 24 15:59 13422 Jun 28 17:40 13422 Jul 05 13:35 13422 Jul 09 00:54 13422 Jul 14 12:23 13422 Jul 14 13:47 13422 Jul 16 02:29 13422 Jul 16 23:24 13422 Jul 20 02:00 13422 Jul 26 06:39 13422 Jul 27 18:28 13422 Aug 06 08:16 13422 Aug 08 01:20 13422 Aug 09 09:27 13422 Sep 13 00:28 13422 Sep 13 00:28 13422 Sep 15 16:24 13422 Sep 20 17:22  13422 Sep 22 05:01 13422 Sep 22 05:01 13422 Sep 22 01:14 13422 Sep 22 07:14	10° M08'01 0° 9 3° 903'44 19° 941'41 0° N 1° N32'56 6° N16'23 10° N02'47 8° N52'59 3° N06'40 3° N02'12 1° N04'43 30° R9 26° 942'35 24° 902'52 24° 911'04 0° N 1° N39'58 0° M 24° M58'01 0° 9 2° 914'47 9° 956'20 12° 953'44 12° 953'43 12° 938'22 13° 909'05	1.45838 AU -0.8m 19°03'28 3°01'46 3°00'41 0.66594 AU 26°12'15 1.34973 AU 0°14'00
superior conj minimum elong evening rise asc. node evening max el retrograde evening set inferior conj minimum elong min. Earth dist. morning rise desc. node direct morning max el morning set asc. node max. Earth dist.	13421 Jun 08 03:52  13421 Jun 10 08:47 13421 Jun 10 07:17 13421 Jun 10 23:38 13421 Jun 25 09:11 13421 Jun 29 16:35 13421 Jul 07 19:04 13421 Jul 15 07:23 13421 Jul 21 17:42 13421 Jul 24 19:58 13421 Jul 30 16:58 13421 Jul 30 16:58 13421 Aug 01 19:28 13421 Aug 05 12:44 13421 Aug 09 21:04 13421 Aug 12 01:20 13421 Aug 25 14:21 13421 Sep 04 07:13 13421 Sep 23 12:06 13421 Oct 03 20:46 13421 Oct 04 11:38  13421 Oct 08 08:30 13421 Oct 08 08:30 13421 Oct 08 17:34 13421 Oct 08 17:34 13421 Oct 08 17:34	29° II 01'38 28° II 55'45 0° © 23° © 00'25 0° N 12° N 48'24 22° N 31'53 25° N 58'50 25° N 05'23 19° N 33'43 19° N 27'05 16° N 50'22 10° N 30'16 0° M 0° D 12° D 12'12 19° D 49'48 21° D 05'54 29° D 11'44 29° D 01'37 0° IL 14° IL 26'03	-2°13'13 2°14'13 18°26'10 2°37'19 2°36'07 0.64909 AU 27°15'59	max. Earth dist.  evening rise greatest brilliancy  asc. node evening max el retrograde evening set inferior conj minimum elong min. Earth dist.  morning rise direct desc. node  morning max el morning set  max. Earth dist.  asc. node  superior conj minimum elong behind sun begin	13422 May 21 23:40 13422 Jun 03 17:31 13422 Jun 05 16:37 13422 Jun 16 09:58 13422 Jun 23 11:54 13422 Jun 24 15:59 13422 Jun 28 17:40 13422 Jul 05 13:35 13422 Jul 09 00:54 13422 Jul 14 12:23 13422 Jul 14 13:47 13422 Jul 16 02:29 13422 Jul 16 02:29 13422 Jul 20 02:00 13422 Jul 26 06:39 13422 Jul 27 18:28 13422 Jul 27 18:28 13422 Aug 06 08:16 13422 Aug 08 01:20 13422 Aug 29 09:27 13422 Sep 13 00:28 13422 Sep 15 16:24 13422 Sep 20 17:22 13422 Sep 20 17:22	10° M08'01 0° 9 3° 903'44 19° 941'41 0° N 1° N32'56 6° N16'23 10° N02'47 8° N52'59 3° N06'40 3° N02'12 1° N04'43 30° R9 26° 942'35 24° 902'52 24° 911'04 0° N 1° N39'58 0° m 24° m 58'01 0° 9 2° 914'47 9° 956'20 12° 957'44 12° 953'43 12° 938'22	1.45838 AU -0.8m 19°03'28 3°01'46 3°00'41 0.66594 AU 26°12'15 1.34973 AU 0°14'00

evening max el	13422 Oct 18 12:41	29°M39'24	20°41'26	superior conj	13423 Sep 05 15:13	26° <b>m</b> 12'09	-0°18'06
	13422 Oct 18 21:06	0° <b>∡</b> 7		minimum elong	13423 Sep 05 16:24	26° Mp 17'57	0°18'02
desc. node	13422 Oct 23 14:41	3° <b>∡</b> ³35′12		asc. node	13423 Sep 07 13:57	0° <b>ჲ</b> 02'25	
retrograde	13422 Oct 29 20:14	5° <b>҂</b> 16'48			13423 Sep 07 13:28	0。 <b>⊽</b>	
evening set	13422 Nov 01 03:43	5° <b>х</b> 03′46		evening rise	13423 Sep 13 23:51	12° <b>≏</b> 55'33	
inferior conj	13422 Nov 10 03:12	1° <b>∡</b> 09'22	-4°56'44		13423 Sep 23 00:36	$0^{\circ}$ M	
minimum elong	13422 Nov 09 17:22	1° <b>҂</b> 23′28	4°53'30	evening max el	13423 Sep 30 23:16	10°M49'18	19°29'54
min. Earth dist.	13422 Nov 11 04:55	0° <b>∡</b> ³32′26	0.54610 AU	retrograde	13423 Oct 10 15:08	15°M39'07	
	13422 Nov 12 03:48	30°RML		desc. node	13423 Oct 10 12:08	15°M39'04	
morning rise	13422 Nov 18 06:58	27°M13'03		evening set	13423 Oct 12 12:02	15°M29'02	
direct	13422 Nov 22 15:04	26°M32'42		inferior conj	13423 Oct 21 04:52	11°M22'56	-3°18'41
	13422 Dec 02 06:17	0° <b>⊀</b>		minimum elong	13423 Oct 20 20:27	11°M36'25	3°15'05
morning max el	13422 Dec 05 20:26	2° <b>҂</b> 757'58	23°21'42	min. Earth dist.	13423 Oct 23 14:25	9°M50'50	0.55504 AU
asc. node	13422 Dec 17 18:22	18° <b>≯</b> 29'28		morning rise	13423 Oct 29 02:50	6°M57'54	
	13422 Dec 24 02:57	0°ප		direct	13423 Nov 03 07:26	5°M57'30	
morning set	13422 Dec 29 06:21	10°る34'30		morning max el	13423 Nov 17 06:20	12°M57'05	25°09'17
					13423 Nov 30 11:12	0°⊀	
superior conj	13423 Jan 05 03:50	25° <b>る</b> 29'34	1°34'12	asc. node	13423 Dec 04 15:22	7° <b>∡</b> °08′03	
minimum elong	13423 Jan 05 05:05	25° <b>る</b> 36'19	1°35'06	morning set	13423 Dec 13 18:08	25° <b>√</b> 17'17	
	13423 Jan 07 06:20	0° <b>≈</b>			13423 Dec 15 22:14	0° <b>ප</b>	
max. Earth dist.	13423 Jan 08 03:16	1° <b>≈</b> 50'40	1.33213 AU				
evening rise	13423 Jan 12 22:33	11° <b>≈</b> 41'19		superior conj	13423 Dec 20 12:43	10° <b>る</b> 09'27	1°38'09
desc. node	13423 Jan 19 13:30	24° <b>≈</b> 13'32		minimum elong	13423 Dec 20 12:52	10° <b>る</b> 10'16	1°39'12
	13423 Jan 22 20:33	0° <b>∀</b>		max. Earth dist.	13423 Dec 22 05:31	13° <b>る</b> 53'31	1.32040 AU
	13423 Feb 13 00:56	$0^{\circ}$ Y		evening rise	13423 Dec 27 18:19	25° <b>ප්</b> 40'41	
evening max el	13423 Feb 16 06:29	3° <b>Y</b> 19'24	27°21'27		13423 Dec 29 21:26	0° <b>≈</b>	
retrograde	13423 Mar 01 20:48	10° <b>Ƴ</b> 46'19		desc. node	13424 Jan 06 10:17	14° <b>≈</b> 08'59	
evening set	13423 Mar 08 14:46	8° <b>Y</b> 16'14			13424 Jan 16 07:36	0° <b>)</b> €	
min. Earth dist.	13423 Mar 12 11:19	4° <b>Y</b> 44'32	0.64622 AU	evening max el	13424 Jan 29 17:30	16° <b>)</b> 19′37	27°33'18
inferior conj	13423 Mar 14 22:41	2° <b>Y</b> ′04'28	-0°13'44	retrograde	13424 Feb 12 13:55	23° <b>)</b> 43′00	
minimum elong	13423 Mar 14 23:05	2° <b>Y</b> ′03'22	0°13'31	evening set	13424 Feb 19 11:52	21° <b>)</b> 22′05	
transit middle	13423 Mar 14 23:05	2° <b>Y</b> 03'22	0°13'31	min. Earth dist.	13424 Feb 23 05:55	18° <b>)</b> 18′12	0.62658 AU
transit begin	13423 Mar 14 21:27	2° <b>Y</b> 07'49		inferior conj	13424 Feb 26 03:34	15° <b>)</b> € 30′23	-1°26'03
transit end	13423 Mar 15 00:44	1° <b>Y</b> 58'56		minimum elong	13424 Feb 26 06:28	15° <b>)</b> 23′22	1°24'31
asc. node	13423 Mar 15 15:42	1° <b>Y</b> 18'44		asc. node	13424 Mar 01 13:10	11° <b>)</b> 43'20	
	13423 Mar 16 22:13	30° <b>₹</b>		morning rise	13424 Mar 04 03:43	10° <b>)</b> €21'30	
morning rise	13423 Mar 21 09:17	26° <b>)</b> 39′03		direct	13424 Mar 06 10:37	9° <b>)</b> 57'15	
direct	13423 Mar 23 23:32	26° <b>∺</b> 04'14		morning max el	13424 Mar 13 01:43	13° <b>)</b> 19′33	17°46'33
morning max el	13423 Mar 30 08:01	29° <b>∺</b> 21'32	17°52'51	-	13424 Mar 24 13:14	$0^{\circ}\mathbf{Y}$	
-	13423 Mar 30 23:14	$0^{\circ}$ Y		morning set	13424 Mar 29 02:06	7° <b>Y</b> 53'51	
morning set	13423 Apr 16 15:40	25° <b>Y</b> 12'45		desc. node	13424 Apr 03 12:16	17° <b>Y</b> 20′27	
desc. node	13423 Apr 17 15:43	26° <b>Y</b> ′52'57					
	13423 Apr 19 12:43	0°8		superior conj	13424 Apr 09 23:15	28° <b>Ƴ</b> 17'07	-0°48'54
	-			minimum elong	13424 Apr 09 18:25	27° <b>Y</b> 56'59	0°48'35
superior conj	13423 Apr 30 09:13	17° <b>8</b> 41'01	-1°28'05	_	13424 Apr 11 00:03	$9^{\circ}$ 8	
minimum elong	13423 Apr 30 00:36	17° <b>8</b> 06'38	1°27'48	max. Earth dist.	13424 Apr 16 13:24	9° <b>8</b> 02'54	1.44203 AU
max. Earth dist.	13423 May 04 19:50	24° <b>8</b> 43'34	1.45372 AU	evening rise	13424 Apr 24 19:20	22° <b>8</b> 00'43	
	13423 May 08 04:39	$\Pi$ $^{\circ}0$			13424 Apr 30 00:58	$\Pi^{\circ}0$	
evening rise	13423 May 16 07:06	12° <b>Ⅲ</b> 31′01			13424 May 21 09:38	$0$ $\circ$ $\odot$	
	13423 May 27 20:34	$0$ $\circ$ $\odot$		evening max el	13424 May 24 21:54	3° <b>©</b> 52'55	21°03'30
greatest brilliancy	13423 May 31 02:08	4°9544'54	-0.6m	asc. node	13424 May 28 10:06	6° <b>©</b> 55'29	
asc. node	13423 Jun 11 12:59	19° <b>5</b> 39'26		retrograde	13424 Jun 02 11:01	8°951'22	
evening max el	13423 Jun 11 22:44	20° <b>©</b> 04'15	19°56'39	evening set	13424 Jun 06 18:09	7° <b>5</b> 08'06	
retrograde	13423 Jun 19 12:05	24° <b>5</b> 22'09		inferior conj	13424 Jun 12 00:07	0°956'41	3°10'06
evening set	13423 Jun 23 08:59	22°955'26		minimum elong	13424 Jun 11 23:29	0° <b>©</b> 58'54	3°09'01
inferior conj	13423 Jun 28 16:20	16° <b>©</b> 55'44	3°11'59	min. Earth dist.	13424 Jun 12 10:10	0°521'48	0.68613 AU
minimum elong	13423 Jun 28 16:42	16° <b>©</b> 54'32	3°10'57		13424 Jun 12 16:27	30°RⅡ	
min. Earth dist.	13423 Jun 29 16:02	15° <b>©</b> 35'44	0.67841 AU	morning rise	13424 Jun 17 04:35	24° <b>Ⅱ</b> 38'29	
morning rise	13423 Jul 04 00:04	10° <b>©</b> 33'16		direct	13424 Jun 22 10:02	22° <b>Ⅱ</b> 21'22	
direct	13423 Jul 09 17:52	8°9501'37		desc. node	13424 Jun 30 13:00	26° <b>I</b> [21'57	
desc. node	13423 Jul 14 15:48	9° <b>©</b> 30'36		morning max el	13424 Jul 02 22:24	28° <b>Ⅲ</b> 37'06	23°21'46
morning max el	13423 Jul 21 11:47	15° <b>©</b> 03'59	24°50'54	<i>Q</i>	13424 Jul 04 06:15	0°छ	-
<i>3</i>	13423 Aug 02 17:43	0°Ω			13424 Jul 26 10:34	$0^{\circ}\Omega$	
	13423 Aug 22 06:40	0° mp		morning set	13424 Aug 06 16:39	18° <b>Ω</b> 00'12	
morning set	13423 Aug 26 07:11	6° Mp 57'24		max. Earth dist.	13424 Aug 10 18:56	24° <b>£</b> 59'07	1.39447 AU
max. Earth dist.	13423 Aug 29 20:57	13° m/23'08	1.37108 AU		13424 Aug 13 15:25	0° m	
	x ==	4				4	

superior conj	13424 Aug 18 11:21	8° Mp 46'51	-0°52'50	superior conj	13425 Jul 31 12:56	20° <b>Ω</b> 31'05	-1°27'07
minimum elong	13424 Aug 18 15:13	9° Mp 04'45	0°52'39	minimum elong	13425 Jul 31 19:22	20° <b>Ω</b> 59'21	
asc. node	13424 Aug 24 10:33	20° Mp 04'59	0 3237	minimum clong	13425 Aug 05 20:23	0°m)	1 2/01
evening rise	13424 Aug 27 20:44	26° mp 41'59		evening rise	13425 Aug 11 06:33	9° m) 56'55	
evening rise	13424 Aug 29 13:51	೨೦° <u>೧</u>		asc. node	13425 Aug 11 07:09	9° m <sub>0</sub> 59'41	
evening max el	13424 Sep 12 22:44	22° <b>≏</b> 47'28	18°40'15	use. noue	13425 Aug 22 21:35	0∘ <del>⊽</del>	
retrograde	13424 Sep 21 03:19	26° <b>Ω</b> 54'54	10 10 15	evening max el	13425 Aug 27 07:11	5° <b>₽</b> 25'39	18°11'43
evening set	13424 Sep 23 01:33	26° <b>Ω</b> 41'59		retrograde	13425 Sep 03 10:18	9° <b>ഫ</b> 03'12	10 11 15
desc. node	13424 Sep 26 09:37	25° <b>Ω</b> 24'46		evening set	13425 Sep 05 15:11	8° <b>≏</b> 43'00	
inferior conj	13424 Oct 01 02:15	22° <b>♀</b> 17'04	-1°29'17	inferior conj	13425 Sep 12 21:20	3° <b>≙</b> 57'17	0°07'35
minimum elong	13424 Sep 30 22:36	22° <u>\pi</u> 23'53		minimum elong	13425 Sep 12 21:36	3° <b>£</b> 56'44	0°07'27
min. Earth dist.	13424 Oct 04 05:43	19° <b>Ω</b> 56'50	0.57165 AU	transit middle	13425 Sep 12 21:36	3° <b>ჲ</b> 56'44	0°07'27
morning rise	13424 Oct 08 16:12	17° <b>Ω</b> 14'18		transit begin	13425 Sep 12 18:34	4° <b>ഫ</b> 03'20	
direct	13424 Oct 14 14:12	15° <b>Ω</b> 47'57		transit end	13425 Sep 13 00:38	3° <b>ჲ</b> 50'06	
morning max el	13424 Oct 28 20:48	23° <b>Ω</b> 15'14	26°39'46	desc. node	13425 Sep 13 07:08	ვ° <b>ჲ</b> 35'51	
C	13424 Nov 03 22:34	$0^{\circ}$ M		min. Earth dist.	13425 Sep 16 04:34	1° <b>≏</b> 05'49	0.59303 AU
asc. node	13424 Nov 20 12:17	26°M17'47			13425 Sep 17 13:39	30°R, Mp	
	13424 Nov 22 09:51	0° <b>∡</b> ¹		morning rise	13425 Sep 20 00:36	28° m) 20'26	
morning set	13424 Nov 27 04:18	9° <b>∡</b> ′51′31		direct	13425 Sep 26 10:55	26° m 26'16	
Ü					13425 Oct 05 19:41	0∘ <u>⊽</u>	
superior conj	13424 Dec 03 23:53	24° <b>₹</b> '52'33	1°36'04	morning max el	13425 Oct 10 18:38	4° <b>₽</b> 13'16	27°38'23
minimum elong	13424 Dec 03 23:00	24° <b>∡</b> ¹47'34	1°37'03	C	13425 Oct 29 18:27	0°M₊	
max. Earth dist.	13424 Dec 04 12:28	26° <b>х</b> 02′39	1.31364 AU	asc. node	13425 Nov 07 09:04	15°M50'04	
	13424 Dec 06 07:11	ರ°0		morning set	13425 Nov 11 11:05	24°M12'34	
evening rise	13424 Dec 10 21:05	9° <b>る</b> 56'22		C	13425 Nov 14 03:48	0° <b>∡</b> ¹	
C	13424 Dec 21 04:29	0° <b>≈</b>					
desc. node	13424 Dec 23 07:09	3° <b>≈</b> 38'34		superior conj	13425 Nov 18 11:27	9° <b>∡</b> ³33'21	1°28'10
evening max el	13425 Jan 10 23:44	28° <b>≈</b> 38'09	27°12'16	minimum elong	13425 Nov 18 09:44	9° <b>∡</b> ¹23'42	1°28'56
C	13425 Jan 12 11:44	0° <b>)</b> €		max. Earth dist.	13425 Nov 17 20:46	8° <b>∡</b> 11'22	1.31206 AU
retrograde	13425 Jan 24 22:52	5° <b>)</b> 53'48		evening rise	13425 Nov 25 04:36	24° <b>∡</b> ¹22'47	
evening set	13425 Jan 31 18:34	3° <b>¥</b> 50′27		Č	13425 Nov 27 20:31	ರ°0	
min. Earth dist.	13425 Feb 04 14:13	1° <b>)</b> €06'24	0.60502 AU	desc. node	13425 Dec 10 04:09	22° <b>る</b> 32'28	
	13425 Feb 05 22:02	30° <b>R</b> ≈			13425 Dec 15 05:54	0° <b>≈</b>	
inferior conj	13425 Feb 07 18:09	28° <b>≈</b> 25'36	-2°47'02	evening max el	13425 Dec 23 22:52	10° <b>≈</b> 06'30	26°16'43
minimum elong	13425 Feb 08 00:09	28° <b>≈</b> 12'53	2°44'08	retrograde	13426 Jan 06 21:48	17° <b>≈</b> 11'52	
morning rise	13425 Feb 15 08:51	23° <b>≈</b> 36′05		evening set	13426 Jan 13 06:56	15° <b>≈</b> 34'04	
asc. node	13425 Feb 16 10:37	23° <b>≈</b> 22'53		min. Earth dist.	13426 Jan 17 12:22	12° <b>≈</b> 57'38	0.58344 AU
direct	13425 Feb 17 10:47	23° <b>≈</b> 18'46		inferior conj	13426 Jan 20 14:50	10° <b>≈</b> 40'38	-4°09'54
morning max el	13425 Feb 24 16:59	26°≈56'41	17°58'37	minimum elong	13426 Jan 20 23:20	10° <b>≈</b> 24'56	4°06'26
	13425 Feb 27 09:43	0° <b>)</b> €		morning rise	13426 Jan 28 18:42	6° <b>≈</b> 12'29	
morning set	13425 Mar 12 06:45	21° <b>)</b> 25'24		direct	13426 Jan 30 19:49	5° <b>≈</b> 58'25	
	13425 Mar 16 23:05	$0^{\circ}$ Y		asc. node	13426 Feb 03 08:00	6° <b>≈</b> 42'04	
desc. node	13425 Mar 21 08:46	7° <b>Y</b> 54'08		morning max el	13426 Feb 08 01:58	10° <b>≈</b> 02'01	18°30'40
					13426 Feb 21 02:40	0° <b>∀</b>	
superior conj	13425 Mar 22 13:25	10° <b>Y</b> ′00′14	-0°09'28	morning set	13426 Feb 24 00:14	5° <b>)</b> 31′43	
minimum elong	13425 Mar 22 12:36	9° <b>Y</b> 56'41	0°09'24				
behind sun begin	13425 Mar 22 06:03	9° <b>Y</b> 27'57		superior conj	13426 Mar 05 00:48	22° <b>)</b> 41'41	0°25'27
behind sun end	13425 Mar 22 19:09	10° <b>Y</b> 25′21		minimum elong	13426 Mar 05 02:32	22° <b>¥</b> 49'41	0°25'24
max. Earth dist.	13425 Mar 30 02:25	22° <b>Y</b> 50'53	1.42471 AU	desc. node	13426 Mar 08 05:16	28° <b>)</b> ₹30'39	
	13425 Apr 03 11:49	$9^{\circ}$ 8			13426 Mar 09 01:12	$0$ ° $\Upsilon$	
evening rise	13425 Apr 04 20:01	2° <b>8</b> 08'23		max. Earth dist.	13426 Mar 12 11:04	5° <b>Ƴ</b> 59'34	1.40364 AU
	13425 Apr 23 11:16	$\Pi$ °0		evening rise	13426 Mar 16 16:59	13° <b>Ƴ</b> 11′20	
evening max el	13425 May 07 15:53	17° <b>Ⅱ</b> 41'56	22°20'07		13426 Mar 27 07:29	$0^{\circ}$ 8	
asc. node	13425 May 15 07:18	23° <b>Ⅱ</b> 05'01			13426 Apr 18 18:25	$\Pi$ °0	
retrograde	13425 May 17 08:35	23° <b>∏</b> 24′24		evening max el	13426 Apr 20 06:46	1° <b>Ⅱ</b> 33'37	23°41'00
evening set	13425 May 22 02:40	21° <b>Ⅱ</b> 25'38		retrograde	13426 May 01 03:18	7° <b>Ⅱ</b> 56'38	
inferior conj	13425 May 27 09:36	15° <b>Ⅱ</b> 04'37	2°57'24	asc. node	13426 May 02 04:34	7° <b>Ⅱ</b> 51'37	
minimum elong	13425 May 27 08:08	15° <b>Ⅱ</b> 09'43	2°56'13	evening set	13426 May 06 08:58	5° <b>Ⅱ</b> 44'10	
min. Earth dist.	13425 May 27 06:39	15° <b>Ⅱ</b> 14'56	0.68915 AU	min. Earth dist.	13426 May 11 03:19	0° <b>Ⅱ</b> 09'46	0.68754 AU
morning rise	13425 Jun 01 13:26	8° <b>∏</b> 52'32			13426 May 11 06:10	30° <b>₹</b> 8	
direct	13425 Jun 06 06:05	6° <b>Ⅱ</b> 54'01		inferior conj	13426 May 11 18:52	29° <b>8</b> 16'29	2°34'29
morning max el	13425 Jun 15 11:30	12° <b>Ⅱ</b> 17'38	21°53'50	minimum elong	13426 May 11 16:52	29° <b>8</b> 23'22	2°33'12
desc. node	13425 Jun 17 10:04	14° <b>Ⅱ</b> 20′29		morning rise	13426 May 17 00:44	23° <b>8</b> 11'53	
	13425 Jun 29 12:57	0°€		direct	13426 May 21 04:47	21° <b>8</b> 33'58	
morning set	13425 Jul 18 01:07	27° <b>©</b> 56'41		morning max el	13426 May 29 06:15	26° <b>8</b> 08'46	20°34'25
	13425 Jul 19 07:51	$0^{\circ}\Omega$			13426 Jun 01 18:21	$\Pi$ °0	
max. Earth dist.	13425 Jul 23 20:01	7° <b>Ω</b> 22'14	1.41725 AU	desc. node	13426 Jun 04 07:01	3° <b>Ⅱ</b> 08′29	

	13426 Jun 22 22:52	0° <b>©</b>			13427 Jun 15 19:22	0°©	
morning set	13426 Jun 27 10:56	6°\$54'46		max. Earth dist.	13427 Jun 18 18:35	4° <b>©</b> 39'39	1.45065 AU
max. Earth dist.	13426 Jul 06 03:54	20°938'51	1.43673 AU	max. Lartii dist.	1542/Juli 10 10.55	<b>4 3</b> 3737	1.43003 AC
max. Lartii dist.	13426 Jul 11 21:27	0°Ω	1.43073710	superior conj	13427 Jun 22 19:29	11° <b>©</b> 03'49	-2°12'06
	13 120 341 11 21.27	V 00		minimum elong	13427 Jun 22 22:21	11°©15'16	
superior conj	13426 Jul 12 15:58	1° <b>Ω</b> 16'48	-1°55'50	grong	13427 Jul 04 10:47	0°Ω	2 13 0 .
minimum elong	13426 Jul 12 22:56		1°56'13	evening rise	13427 Jul 06 22:14	4°Ω07'03	
evening rise	13426 Jul 25 00:44	22° <b>Ω</b> 29'08		asc. node	13427 Jul 16 00:33	19° <b>Ω</b> 08'03	
asc. node	13426 Jul 29 03:48	29° <b>Ω</b> 42'23			13427 Jul 23 14:11	0° <b>m</b> )	
	13426 Jul 29 07:52	0° <b>m</b>		evening max el	13427 Jul 25 10:47	2° m/01'35	18°12'29
evening max el	13426 Aug 10 20:25	18° <b>m</b> 33'31	18°02'49	retrograde	13427 Jul 31 19:16	5° m 23'00	
retrograde	13426 Aug 17 09:05	21°M 55'51		evening set	13427 Aug 03 16:37	4° <b>m</b> )38'11	
evening set	13426 Aug 19 22:05	21°M)24'40			13427 Aug 09 01:08	$30^{\circ}$ R $\Omega$	
inferior conj	13426 Aug 26 11:38	16°M)19'17	1°22'40	inferior conj	13427 Aug 09 17:09	29° <b>Ω</b> 15′16	2°15'42
minimum elong	13426 Aug 26 13:48	16°M 13'51	1°21'36	minimum elong	13427 Aug 09 19:38	29° <b>Ω</b> 08′16	
min. Earth dist.	13426 Aug 29 12:20	13° <b>m</b> 18'23	0.61595 AU	min. Earth dist.	13427 Aug 12 05:46	26° <b>Ω</b> 25'30	0.63774 AU
desc. node	13426 Aug 31 04:39	11° <b>m</b> 47'00		morning rise	13427 Aug 15 20:59	22° <b>Ω</b> 58'39	
morning rise	13426 Sep 02 02:57	10° <b>m</b> 17'37		desc. node	13427 Aug 18 02:08	21° <b>Ω</b> 32′22	
direct	13426 Sep 08 18:54	7° <b>m</b> 59'44		direct	13427 Aug 22 12:12	20° <b>Ω</b> 24'53	
morning max el	13426 Sep 22 23:17	15° <b>m</b> 58'02	27°58'30	morning max el	13427 Sep 05 08:38	28° <b>Ω</b> 25'30	27°41'02
	13426 Oct 04 11:51	0∘ <b>⊽</b>			13427 Sep 06 21:06	0° <b>m</b> )	
	13426 Oct 22 09:34	0°M			13427 Sep 28 07:43	0° <b>⊽</b>	
asc. node	13426 Oct 25 05:46	5°M38'18		morning set	13427 Oct 10 06:17	21° <b>£</b> 54'42	
morning set	13426 Oct 26 12:30	8°M15'24	1 21502 ATT	asc. node	13427 Oct 12 02:24	25° <b>2</b> 37'19	
max. Earth dist.	13426 Nov 01 02:48	20°M11'09	1.31582 AU		13427 Oct 14 05:14	0°M	1 22401 ATT
gunariar aani	12426 Nov. 02, 21-22	24°M06'17	1014122	max. Earth dist.	13427 Oct 15 02:51	1,11622,22	1.32491 AU
superior conj minimum elong	13426 Nov 02 21:33 13426 Nov 02 19:20	23°M54'03	1°14'59	superior conj	13427 Oct 18 04:13	8°M26'06	0°55'16
minimum ciong	13426 Nov 05 13:24	23 11 <b>6</b> 34 03	1 1439	minimum elong	13427 Oct 18 04:13 13427 Oct 18 02:01	8°M14'12	0°55'26
evening rise	13426 Nov 09 14:53	8° <b>×</b> <sup>7</sup> 54'36		evening rise	13427 Oct 25 02:05	23°M26'59	0 33 20
evening rise	13426 Nov 20 07:48	0°₹3430		evening rise	13427 Oct 28 04:44	0° <b>√</b>	
desc. node	13426 Nov 27 01:15	00 10° <b>る</b> 36'37		desc. node	13427 Nov 13 22:29	27° <b>×</b> 7'32'46	
evening max el	13426 Dec 05 13:44	20° <b>る</b> 43'48	24°51'35	dese. node	13427 Nov 16 04:22	0°ਰ	
retrograde	13426 Dec 19 08:20	27° <b>る</b> 37'04		evening max el	13427 Nov 16 23:39	0° <b>る</b> 47'57	23°10'34
evening set	13426 Dec 24 20:42	26° <b>る</b> 29'25		retrograde	13427 Nov 30 06:00	7° <b>る</b> 23'35	
min. Earth dist.	13426 Dec 30 01:37	23° <b>る</b> 44'21	0.56440 AU	evening set	13427 Dec 04 11:26	6°₹44'46	
inferior conj	13427 Jan 01 14:55	22° <b>පි</b> 06'15	-5°20'20	min. Earth dist.	13427 Dec 11 09:11	3° <b>ට</b> 31'53	0.55076 AU
minimum elong	13427 Jan 01 22:43	21° <b>る</b> 53'44	5°17'52	inferior conj	13427 Dec 12 19:22	2°₹42'37	-5°55'47
morning rise	13427 Jan 10 02:54	17° <b>る</b> 59'37		minimum elong	13427 Dec 12 20:45	2°る40'37	5°54'43
direct	13427 Jan 12 10:12	17° <b>る</b> 44'48			13427 Dec 17 23:03	30°R. <b>✓</b>	
asc. node	13427 Jan 21 05:19	21° <b>る</b> 38'30		morning rise	13427 Dec 21 07:39	28° <b>∡</b> 52′25	
morning max el	13427 Jan 22 00:31	22° <b>る</b> 23'06	19°24'44	direct	13427 Dec 24 05:44	28° <b>∡</b> ³32′13	
	13427 Jan 28 02:45	0° <b>≈</b>			13427 Dec 30 02:33	0°ಕ	
morning set	13427 Feb 08 02:19	19° <b>≈</b> 59'22		morning max el	13428 Jan 04 09:23	3° <b>る</b> 51'40	20°41'55
	13427 Feb 13 02:11	0° <b>∀</b>		asc. node	13428 Jan 08 02:33	7° <b>る</b> 58'17	
		co\/ o=100			13428 Jan 21 03:13	0° <b>≈</b>	
superior conj	13427 Feb 16 04:43	6° <b>¥</b> 07'33		morning set	13428 Jan 23 09:56	4° <b>≈</b> 39′29	
minimum elong max. Earth dist.	13427 Feb 16 07:26 13427 Feb 22 17:36	6° <b>¥</b> 20'47 18° <b>¥</b> 28'25	0°53'51 1.38110 AU	superior conj	13428 Jan 30 20:53	20°≈06'13	1°14'54
desc. node	13427 Feb 22 17.36 13427 Feb 23 01:48	18 <b>₹</b> 2823	1.38110 AU	minimum elong	13428 Jan 30 23:28	20 ≈06 13 20°≈19'27	1°14'34 1°15'19
evening rise	13427 Feb 25 01.48 13427 Feb 26 10:52	19 <del>X</del> 03 44 25° <del>X</del> 07'21		minimum elong	13428 Feb 04 20:01	20 <b>≈</b> 1927 0° <b>∺</b>	1 13 19
evening rise	13427 Mar 01 06:48	25 <b>γ</b> (0/21 0° <b>γ</b>		max. Earth dist.	13428 Feb 04 20.01 13428 Feb 05 01:53	0° <b>∺</b> 28′27	1.35952 AU
	13427 Mar 20 22:54	0°8		evening rise	13428 Feb 08 23:08	7° <b>)</b> (49'13	1.33932 AU
evening max el	13427 Apr 02 20:24	15° <b>8</b> 26'30	24°59'41	desc. node	13428 Feb 09 22:23	9° <b>H</b> 35'52	
retrograde	13427 Apr 14 18:04	22° <b>8</b> 21'46	24 37 41	dese. Hode	13428 Feb 22 00:23	0° <b>Υ</b>	
asc. node	13427 Apr 19 01:55	21° <b>8</b> 00'50		evening max el	13428 Mar 15 09:55	29° <b>Υ</b> 16'16	26°09'01
evening set	13427 Apr 20 11:27	19° <b>8</b> 58'12			13428 Mar 16 04:09	0°8	
min. Earth dist.	13427 Apr 24 21:57	14° <b>8</b> 59'59	0.68134 AU	retrograde	13428 Mar 28 03:59	6° <b>8</b> 33'05	
inferior conj	13427 Apr 26 02:01	13° <b>8</b> 27'42	2°01'22	evening set	13428 Apr 03 08:28	4° <b>8</b> 02'22	
minimum elong	13427 Apr 25 23:52	13° <b>8</b> 34'47	2°00'07	asc. node	13428 Apr 04 23:21	2° <b>8</b> 32'27	
morning rise	13427 May 01 12:32	7° <b>8</b> 31'58			13428 Apr 07 05:40	30° <b>₹</b> Υ	
direct	13427 May 05 04:38	6° <b>8</b> 14'37		min. Earth dist.	13428 Apr 07 12:28	29° <b>Y</b> 39'24	0.67074 AU
morning max el	13427 May 12 08:34	10° <b>8</b> 11'19	19°28'23	inferior conj	13428 Apr 09 05:01	27° <b>Y</b> 33'58	1°17'42
desc. node	13427 May 22 03:53	22° <b>8</b> 32'17		minimum elong	13428 Apr 09 03:17	27° <b>Y</b> ′39'23	1°16'42
greatest brilliancy	13427 May 25 00:25	26° <b>8</b> 41'04	-0.7m	morning rise	13428 Apr 14 22:52	21° <b>Y</b> 48'33	
	13427 May 27 06:04	$\Pi$ °0		direct	13428 Apr 18 03:53	20° <b>Y</b> 50′10	
morning set	13427 Jun 06 12:27	15° <b>Ⅱ</b> 36′07		morning max el	13428 Apr 24 18:08	24° <b>Y</b> 21′56	18°38'05

	12400 4 20 12 20	001.			12420 4 24 24 40	201 12 111 1	
	13428 Apr 29 13:29	0°8		desc. node	13429 Apr 24 21:18	2° <b>8</b> 31'14	
desc. node	13428 May 08 00:38	12° <b>8</b> 22'13		morning set	13429 Apr 26 21:04	5° <b>8</b> 45'22	
morning set	13428 May 16 03:18	25° <b>8</b> 00'45					
	13428 May 19 07:44	$\Pi$ $^{\circ}$ 0		superior conj	13429 May 11 15:44	29° <b>8</b> 24'57	
max. Earth dist.	13428 May 31 13:16	19° <b>Ⅱ</b> 06'11	1.45766 AU	minimum elong	13429 May 11 06:38	28° <b>8</b> 49'11	1°47'34
					13429 May 12 00:39	$\Pi$ $^{\circ}0$	
superior conj	13428 Jun 01 06:08	20° <b>Ⅱ</b> 12'04	-2°09'38	max. Earth dist.	13429 May 14 09:11	3° <b>Ⅱ</b> 41'38	1.45720 AU
minimum elong	13428 Jun 01 01:21	19° <b>Ⅲ</b> 53'21	2°10'28	evening rise	13429 May 27 18:16	24° <b>Ⅱ</b> 27'39	
	13428 Jun 07 12:12	$0$ $\circ$ $\infty$			13429 May 31 08:28	$0$ $\circ$ $\infty$	
evening rise	13428 Jun 16 19:25	14° <b>©</b> 43'29		greatest brilliancy	13429 Jun 09 12:00	13° <b>©</b> 54'54	-0.7m
greatest brilliancy	13428 Jun 24 07:53	26°540'55	-0.9m	asc. node	13429 Jun 18 18:21	26°5940'05	
	13428 Jun 26 10:42	$\mathfrak{N}^{\circ}$		evening max el	13429 Jun 21 07:25	29° <b>©</b> 28'11	19°24'13
asc. node	13428 Jul 01 21:23	8° <b>Ω</b> 09'56			13429 Jun 21 20:28	$\mathfrak{O}^{\circ}\mathfrak{O}$	
evening max el	13428 Jul 07 23:11	15° <b>Ω</b> 41'33	18°39'56	retrograde	13429 Jun 28 10:04	3° <b>Ω</b> 27′03	
retrograde	13428 Jul 14 12:40	19° <b>Ω</b> 15'33		evening set	13429 Jul 02 01:15	2° <b>Ω</b> 10′16	
evening set	13428 Jul 17 18:41	18° <b>Ω</b> 15′16		-	13429 Jul 04 10:39	30°Rூ	
inferior conj	13428 Jul 23 09:55	12° <b>Ω</b> 36'55	2°49'38	inferior conj	13429 Jul 07 10:38	26°5518'06	3°07'42
minimum elong	13428 Jul 23 11:50	12° <b>Ω</b> 31′00	2°48'28	minimum elong	13429 Jul 07 11:35	26° <b>©</b> 14'57	3°06'38
min. Earth dist.	13428 Jul 25 08:22	10° <b>Ω</b> 14'10	0.65671 AU	min. Earth dist.	13429 Jul 08 18:36	24° <b>©</b> 33'04	0.67176 AU
morning rise	13428 Jul 29 04:02	6° <b>Ω</b> 13'33		morning rise	13429 Jul 12 21:24	19° <b>©</b> 54'00	
desc. node	13428 Aug 03 23:35	3° <b>£</b> 34'30		direct	13429 Jul 18 21:39	17°516'36	
direct	13428 Aug 04 13:30	3° <b>Ω</b> 33'17		desc. node	13429 Jul 21 20:57	17° <b>©</b> 49'13	
morning max el	13428 Aug 17 19:51	11° <b>Ω</b> 23'55	26°51'43	morning max el	13429 Jul 31 06:47	24°5941'33	25°39'10
morning max or	13428 Sep 01 15:27	0° mp	20 31 13	morning max or	13429 Aug 05 01:45	0° <b>Ω</b>	23 37 10
	13428 Sep 19 21:03	0∘ <b>ত</b> ი არ			13429 Aug 26 02:06	0° <b>m</b>	
morning set	13428 Sep 17 21:03	ა <b>_</b> 5° <b>ჲ</b> 02'31		morning set	13429 Sep 05 06:23	17° <b>m</b> ) 30'24	
max. Earth dist.	13428 Sep 26 17:32	13° <b>£</b> 13′02	1.33925 AU	max. Earth dist.	•		1.35840 AU
		15° <b>£</b> 42'00	1.55925 AU	max. Earth dist.	13429 Sep 08 22:06	24°Mp17'40 0° <b>⊆</b>	1.33840 AU
asc. node	13428 Sep 27 23:00	13 == 42 00			13429 Sep 11 21:13	0 ==	
superior conj	13428 Oct 01 05:11	22° <b>£</b> 25'56	0°30'32	superior conj	13429 Sep 14 21:44	5° <b>≏</b> 59'31	0°00'51
minimum elong	13428 Oct 01 03:39	22° <b>⊆</b> 17'56	0°30'31	minimum elong	13429 Sep 14 21:41	5° <b>⊆</b> 59'17	0°00'51
minimum clong	13428 Oct 01 03:39	0°M	0 30 31	behind sun begin	13429 Sep 14 21:41 13429 Sep 14 15:28	5° <b>£</b> 28'07	0 0031
evening rise	13428 Oct 04 19:00	7°M53'55		behind sun end	13429 Sep 15 03:53	6° <b>£</b> 30'32	
evening rise		/ IIC3333 0° <b>√</b>		asc. node	13429 Sep 13 03:33	5° <b>£</b> 48'46	
	13428 Oct 20 03:34		21921140				
evening max el	13428 Oct 28 13:37	10° 🖈 54'31	21 31 40	evening rise	13429 Sep 22 19:17	22° <b>£</b> 10′23	
desc. node	13428 Oct 30 19:49	12° <b>x</b> 56'09			13429 Sep 26 16:29	0°M	20000120
retrograde	13428 Nov 09 18:25	16° 🖈 57'59		evening max el	13429 Oct 10 16:04	21°M37'35	20°08'20
evening set	13428 Nov 12 15:08	16° <b>₹</b> 39'14	500 511 4	desc. node	13429 Oct 17 17:12	26°M19'31	
inferior conj	13428 Nov 21 11:51	12° <b>х</b> 45'28		retrograde	13429 Oct 21 06:59	26°M54'40	
minimum elong	13428 Nov 21 04:36		5°33'11	evening set	13429 Oct 23 07:51	26°M43'54	404.010.0
min. Earth dist.	13428 Nov 21 15:18	12° <b>∡</b> ′40′38	0.54509 AU	inferior conj	13429 Nov 01 06:13	22° <b>™</b> 46′09	
morning rise	13428 Nov 29 18:55	8° <b>∡</b> ¹56'57		minimum elong	13429 Oct 31 20:12	23°M01'06	4°14'48
direct	13428 Dec 03 13:51	8° <b>₹</b> 25'49		min. Earth dist.	13429 Nov 02 23:06	21°M45'05	0.54883 AU
morning max el	13428 Dec 16 04:28	14° <b>₹</b> 28'39	22°19'43	morning rise	13429 Nov 09 07:32	18° <b>™</b> 39'06	
asc. node	13428 Dec 24 23:43	25° <b>∡</b> 23'51		direct	13429 Nov 14 00:40	17°M50'50	
	13428 Dec 27 20:14	0°ප		morning max el	13429 Nov 27 15:07	24° <b>M</b> 32'24	24°08'19
morning set	13429 Jan 06 20:40	19° <b>る</b> 24'57			13429 Dec 02 15:14	0° <b>∡</b> 7	
	13429 Jan 11 19:31	0° <b>≈</b>		asc. node	13429 Dec 11 20:47	13° <b>∡</b> ³39'42	
					13429 Dec 20 09:18	0° <b>ට</b>	
superior conj	13429 Jan 13 21:42	4° <b>≈</b> 27'25	1°29'03	morning set	13429 Dec 22 08:33	4° <b>る</b> 10'03	
minimum elong	13429 Jan 13 23:33	4° <b>≈</b> 37'08	1°29'49				
max. Earth dist.	13429 Jan 17 16:05	12° <b>≈</b> 18'48	1.34088 AU	superior conj	13429 Dec 29 04:20		1°36'37
evening rise	13429 Jan 22 02:15	21° <b>≈</b> 08′03		minimum elong	13429 Dec 29 05:07	19° <b>る</b> 06'53	1°37'37
desc. node	13429 Jan 26 19:03	29° <b>≈</b> 56'52		max. Earth dist.	13429 Dec 31 14:08	24° <b>る</b> 15'19	1.32651 AU
	13429 Jan 26 19:44	0° <b>)</b>			13430 Jan 03 07:18	0° <b>≈</b>	
	13429 Feb 14 21:23	$0^{\circ}$ Y		evening rise	13430 Jan 05 16:49	4° <b>≈</b> 55'10	
evening max el	13429 Feb 25 23:30	12° <b>Ƴ</b> 55'57	27°01'41	desc. node	13430 Jan 13 15:46	20° <b>≈</b> 03′28	
retrograde	13429 Mar 11 08:21	20° <b>Y</b> 22'55			13430 Jan 19 12:11	0° <b>∀</b>	
evening set	13429 Mar 17 22:08	17° <b>Ƴ</b> 50'33		evening max el	13430 Feb 08 12:08	26° <b>) (</b> 14′38	27°30'23
min. Earth dist.	13429 Mar 21 20:53	14° <b>Y</b> 01'01	0.65610 AU		13430 Feb 12 22:33	$0^{\circ}$ $\Upsilon$	
asc. node	13429 Mar 22 20:49	12° <b>Ƴ</b> 53'17		retrograde	13430 Feb 22 05:59	3° <b>Ƴ</b> 41′27	
inferior conj	13429 Mar 24 01:40	11° <b>Y</b> 30'27	0°22'57	evening set	13430 Mar 01 02:03	1° <b>Ƴ</b> 14'24	
minimum elong	13429 Mar 24 01:02	11° <b>Y</b> 32'14	0°22'36	-	13430 Mar 02 15:45	30° <b>₹</b> ₩	
morning rise	13429 Mar 30 05:27	5° <b>Ƴ</b> 57'10		min. Earth dist.	13430 Mar 04 21:12	27° <b>¥</b> 55′03	0.63807 AU
direct	13429 Apr 02 00:35	5° <b>Ƴ</b> 14'51		inferior conj	13430 Mar 07 13:13	25° <b>)</b> €09'57	
morning max el	13429 Apr 08 09:04	8° <b>Υ</b> 34'23	18°04'28	minimum elong	13430 Mar 07 14:34	25° <b>)</b> €06'26	0°42'25
<i>2</i>	13429 Apr 23 08:03	0°8		asc. node	13430 Mar 09 18:19	22° <b>)</b> 57'46	
	ī	_			/		

morning rise	13430 Mar 14 05:21	19° <b>¥</b> 51′07		morning rise	13431 Feb 25 18:46	3° <b>)</b> €23′20	
direct	13430 Mar 16 16:07	19° <b>∺</b> 21'22		direct	13431 Feb 27 23:13	3° <b>₩</b> 02'24	
morning max el	13430 Mar 23 02:36	22° <b>)</b> 39′54	17°47'58	morning max el	13431 Mar 06 19:38	6° <b>₩</b> 30'13	17°49'17
S	13430 Mar 28 22:00	$0^{\circ}\Upsilon$		Ü	13431 Mar 22 01:04	$0^{\circ}\Upsilon$	
morning set	13430 Apr 08 18:12	17° <b>Ƴ</b> 48'44		morning set	13431 Mar 22 13:09	0° <b>Y</b> 54'00	
desc. node	13430 Apr 11 17:53	22° <b>Y</b> ′53'11		desc. node	13431 Mar 29 14:26	13° <b>Y</b> 23'59	
desc. node	13430 Apr 15 23:30	0°8		desc. node	13 131 14141 25 11.20	13 (233)	
	15450 Apr 15 25.50	ů O		superior conj	13431 Apr 02 16:54	20° <b>Y</b> ′28′04	-0°31'50
superior conj	13430 Apr 21 16:32	9° <b>8</b> 23'17	1011157	minimum elong	13431 Apr 02 13:54	20°Υ15'18	
minimum elong	13430 Apr 21 09:16	8° <b>8</b> 53'48		minimum ciong	13431 Apr 08 10:01	0°8	0 31 36
max. Earth dist.	13430 Apr 27 04:05	18° <b>8</b> 10'26	1 11 34 1.44949 AU	Fauth diet			1.43533 AU
max. Earm dist.	1		1.44949 AU	max. Earth dist.	13431 Apr 09 20:05		1.43333 AU
	13430 May 04 17:43	0°П		evening rise	13431 Apr 16 21:47	13° <b>8</b> 33'15	
evening rise	13430 May 07 05:39	3° <b>Ⅱ</b> 50'19			13431 Apr 27 18:18	0°П	
	13430 May 24 20:23	0.20		evening max el	13431 May 18 06:55	27° <b>Ⅱ</b> 05'43	21°35'12
evening max el	13430 Jun 04 10:01	13° <b>©</b> 16'41	20°23'40		13431 May 21 13:32	0° <b>©</b>	
asc. node	13430 Jun 05 15:25	14°526'52		asc. node	13431 May 23 12:32	1°9516'41	
retrograde	13430 Jun 12 08:53	17° <b>©</b> 50'54		retrograde	13431 May 27 07:16	2° <b>5</b> 22'12	
evening set	13430 Jun 16 10:00	16° <b>©</b> 17'16		evening set	13431 May 31 19:04	0°932'07	
inferior conj	13430 Jun 21 16:29	10° <b>©</b> 12'37			13431 Jun 01 09:39	30°RⅡ	
minimum elong	13430 Jun 21 16:24	10° <b>©</b> 12'53	3°11'30	inferior conj	13431 Jun 06 01:12	24° <b>Ⅱ</b> 16'33	
min. Earth dist.	13430 Jun 22 10:22	9° <b>©</b> 11'18	0.68230 AU	minimum elong	13431 Jun 06 00:11	24° <b>Ⅱ</b> 20′05	3°04'50
morning rise	13430 Jun 26 22:29	3° <b>©</b> 51'39		min. Earth dist.	13431 Jun 06 05:39	24° <b>Ⅱ</b> 01′00	0.68806 AU
direct	13430 Jul 02 11:16	1° <b>5</b> 25'12		morning rise	13431 Jun 11 05:06	18° <b>Ⅱ</b> 00'59	
desc. node	13430 Jul 08 18:13	3° <b>©</b> 50'42		direct	13431 Jun 16 05:13	15° <b>Ⅱ</b> 51'19	
morning max el	13430 Jul 13 16:53	8° <b>©</b> 08'59	24°13'18	desc. node	13431 Jun 25 15:22	21° <b>Ⅲ</b> 12'55	
	13430 Jul 30 20:04	$0^{\circ}\Omega$		morning max el	13431 Jun 26 04:02	21° <b>Ⅱ</b> 44'18	22°43'43
morning set	13430 Aug 18 04:37	29° <b>Ω</b> 07'07			13431 Jul 03 07:18	0°99	
	13430 Aug 18 16:50	o°mp			13431 Jul 24 02:32	$0^{\circ}\Omega$	
max. Earth dist.	13430 Aug 21 20:21	5° m 32'35	1.38093 AU	morning set	13431 Jul 30 03:38	9° <b>Ω</b> 41'45	
				max. Earth dist.	13431 Aug 03 19:21	17° <b>Ω</b> 28'15	1.40444 AU
superior conj	13430 Aug 29 02:29	18° <b>m</b> ) 58'41	-0°32'39		13431 Aug 10 23:04	0° <b>m</b> )	
minimum elong	13430 Aug 29 04:45	19° <b>m</b> ) 09'29			Ü	•	
asc. node	13430 Sep 01 16:11	25° m 54'03		superior conj	13431 Aug 11 15:18	1° Mp 13'20	-1°07'40
	13430 Sep 03 18:05	0∘ <del>⊽</del>		minimum elong	13431 Aug 11 20:21	1° m/36'13	
evening rise	13430 Sep 06 20:44	6° <b>₽</b> 09'58		asc. node	13431 Aug 19 12:46	15° m) 53'50	
e vennig rise	13430 Sep 20 14:16	0°M		evening rise	13431 Aug 21 13:24	19° <b>m</b> ) 44'22	
evening max el	13430 Sep 23 08:39	3°M09'32	19°06'09	evening rise	13431 Aug 27 01:31	0° <del>ت</del>	
retrograde	13430 Oct 02 08:15	7°M39'30	17 00 07	evening max el	13431 Sep 06 12:27	ა <b>—</b> 15° <b>ჲ</b> 25'58	18°25'36
evening set	13430 Oct 02 08:13	7°M28'44		retrograde	13431 Sep 14 04:43	19° <b>2</b> 18'59	10 23 30
desc. node	13430 Oct 04 04:32	7°M23'37		evening set	13431 Sep 16 05:33	19° <b>⊆</b> 03'22	
inferior conj	13430 Oct 04 14:39	3°M15'24	2031153	desc. node	13431 Sep 21 12:08	16° <b>£</b> 20'43	
minimum elong	13430 Oct 12 13:34 13430 Oct 12 09:05	3°M26'27		inferior conj	13431 Sep 23 22:16	10 <b>=</b> 20 43 14° <b>£</b> 29'13	0°45'50
min. Earth dist.	13430 Oct 12 09:03		0.56137 AU	-	13431 Sep 23 22:10 13431 Sep 23 20:30	14 <b>=</b> 29 13 14° <b>⊆</b> 32'44	
IIIII. Eartii tist.			0.3013 / AU	minimum elong min. Earth dist.	13431 Sep 23 20.30 13431 Sep 27 04:44		
	13430 Oct 17 14:55	30° <b>₹</b> Ω			•	9° <b>£</b> 11'19	0.58036 AU
morning rise	13430 Oct 20 10:31	28° <b>£</b> 34'55		morning rise	13431 Oct 01 07:59		
direct	13430 Oct 25 23:22	27° <b>Ω</b> 23'43		direct	13431 Oct 07 11:56	7° <b>2</b> 33'19	27000116
	13430 Nov 03 06:06	0°M,	25050140	morning max el	13431 Oct 21 19:28	15° <b>≏</b> 09'01	2/*09/16
morning max el	13430 Nov 09 02:02	4°M35'42	25°50'49		13431 Nov 02 19:49	0°M	
	13430 Nov 27 08:12	0° <b>∡</b> 7		asc. node	13431 Nov 15 14:35	21°M.53'43	
asc. node	13430 Nov 28 17:45	2° <b>∡</b> 33'11			13431 Nov 19 14:57	0° <b>∡</b> 7	
morning set	13430 Dec 06 19:53	18° <b>∡</b> ′50′12		morning set	13431 Nov 21 04:50	3° <b>⋌</b> 19'43	
	13430 Dec 11 21:56	0°ප				_	
				superior conj	13431 Nov 28 02:00	18° <b>∡</b> ¹27'57	
superior conj	13430 Dec 13 14:27	3° <b>る</b> 45′07		minimum elong	13431 Nov 28 00:43	18° <b>∡</b> °20'48	
minimum elong	13430 Dec 13 14:08	3° <b>る</b> 43′24		max. Earth dist.	13431 Nov 28 03:04		1.31239 AU
max. Earth dist.	13430 Dec 14 18:51	6° <b>る</b> 22'26	1.31693 AU		13431 Dec 03 07:01	0°₹	
evening rise	13430 Dec 20 15:55	19° <b>る</b> 03'09		evening rise	13431 Dec 04 20:59	3° <b>る</b> 24'24	
	13430 Dec 26 03:11	0° <b>≈</b>		desc. node	13431 Dec 18 09:28	29° <b>る</b> 05'28	
desc. node	13430 Dec 31 12:34	9° <b>≈</b> 49'26			13431 Dec 18 22:48	0° <b>≈</b>	
	13431 Jan 13 21:22	0° <b>)</b> €		evening max el	13432 Jan 04 01:17	20° <b>≈</b> 58′10	26°52'41
evening max el	13431 Jan 21 21:42	8° <b>¥</b> 59'55	27°28'42	retrograde	13432 Jan 18 00:11	28° <b>≈</b> 08'47	
retrograde	13431 Feb 04 19:42	16° <b>¥</b> 19'46		evening set	13432 Jan 24 16:47	26° <b>≈</b> 15′26	
evening set	13431 Feb 11 17:26	14° <b>)</b> €05'43		min. Earth dist.	13432 Jan 28 15:20	23° <b>≈</b> 36'34	0.59580 AU
min. Earth dist.	13431 Feb 15 11:41	11° <b>)(</b> 11'11	0.61755 AU	inferior conj	13432 Jan 31 19:51	21° <b>≈</b> 04'02	-3°22'33
inferior conj	13431 Feb 18 12:30	8° <b>)</b> €24'42		minimum elong	13432 Feb 01 03:06	20° <b>≈</b> 49'31	3°19'15
minimum elong	13431 Feb 18 16:40	8° <b>¥</b> 15′07		morning rise	13432 Feb 08 16:30	16° <b>≈</b> 23'20	
_	13431 Feb 24 15:44	3° <b>)</b> 49′37		direct	13432 Feb 10 17:38	16° <b>≈</b> 07'44	
asc. node	13431 Feb 24 13.44	3 <b>N</b> 4931		ancet	13 .52 1 00 10 17.50	10	

	12422 5 1 11 12 00	1.60 1.011.			12122 1 15 01 55	200-7	
asc. node	13432 Feb 11 13:09	16°≈10'17			13433 Jan 17 01:57	30°Rる	
morning max el	13432 Feb 18 08:40	19° <b>≈</b> 54'57	18°09'41	morning rise	13433 Jan 20 16:09	28°る40'00	
	13432 Feb 25 19:45	0° <b>\</b>		direct	13433 Jan 22 18:53	28°る26'10	
morning set	13432 Mar 04 23:50	14° <b>)</b> 42′09		asc. node	13433 Jan 28 10:31	0°≈12'00	
	13432 Mar 13 05:42	0° <b>Ƴ</b>			13433 Jan 28 02:40	0° <b>≈</b>	10050155
				morning max el	13433 Jan 31 13:46		18°50'55
superior conj	13432 Mar 14 16:38	2° <b>Y</b> 37'33	0°06'06	morning set	13433 Feb 16 21:22	28°≈58'37	
minimum elong	13432 Mar 14 17:06	2° <b>Y</b> 39'40	0°06'04		13433 Feb 17 09:54	0° <b>∀</b>	
behind sun begin	13432 Mar 14 10:01	2° <b>Y</b> ′07'52					
behind sun end	13432 Mar 15 00:11	3° <b>Y</b> 11′24		superior conj	13433 Feb 25 11:37	15° <b>)</b> 39'44	0°38'19
desc. node	13432 Mar 15 10:56	3° <b>Y</b> ′59′23		minimum elong	13433 Feb 25 13:56	15° <b>¥</b> 50'41	0°38'18
max. Earth dist.	13432 Mar 22 07:38	15° <b>Y</b> 52'45	1.41612 AU	desc. node	13433 Mar 02 07:26	24° <b>)</b> 35′47	
evening rise	13432 Mar 27 06:36	24° <b>Y</b> ′03′22		max. Earth dist.	13433 Mar 04 14:45	28° <b>)</b> 42′58	1.39405 AU
	13432 Mar 31 00:06	0°B			13433 Mar 05 08:16	$0^{\circ}$ Y	
	13432 Apr 20 16:33	$\Pi$ °0		evening rise	13433 Mar 08 12:34	5° <b>Y</b> 29′10	
evening max el	13432 Apr 29 23:17	10° <b>Ⅱ</b> 55'38	22°54'20		13433 Mar 24 01:58	$9^{\circ}$ 8	
asc. node	13432 May 09 09:45	16° <b>Ⅱ</b> 53'18		evening max el	13433 Apr 12 13:11	24° <b>8</b> 47'12	24°15'09
retrograde	13432 May 10 03:45	16° <b>Ⅱ</b> 55'53			13433 Apr 19 01:51	$\Pi$ $\circ 0$	
evening set	13432 May 15 02:51	14° <b>Ⅱ</b> 50'45		retrograde	13433 Apr 23 21:03	1° <b>Ⅱ</b> 25'58	
inferior conj	13432 May 20 10:48	8° <b>Ⅱ</b> 26′29	2°48'54	asc. node	13433 Apr 26 07:04	0° <b>Ⅱ</b> 59'53	
minimum elong	13432 May 20 09:04	8° <b>Ⅱ</b> 32'30	2°47'40		13433 Apr 28 04:50	30° <b>₹</b> 8	
min. Earth dist.	13432 May 20 02:22	8° <b>Ⅱ</b> 55'44	0.68903 AU	evening set	13433 Apr 29 07:44	29° <b>8</b> 08'10	
morning rise	13432 May 25 15:12	2° <b>Ⅱ</b> 17'42		min. Earth dist.	13433 May 03 22:27	23° <b>8</b> 49'15	0.68538 AU
direct	13432 May 30 02:25	0° <b>Ⅲ</b> 28′01		inferior conj	13433 May 04 19:24	22° <b>8</b> 38'30	2°21'43
morning max el	13432 Jun 07 19:21	5° <b>Ⅲ</b> 29'41	21°18'46	minimum elong	13433 May 04 17:17	22° <b>8</b> 45'40	2°20'25
desc. node	13432 Jun 11 12:25	9° <b>Ⅱ</b> 34'35		morning rise	13433 May 10 02:56	16° <b>8</b> 37'33	
	13432 Jun 26 11:15	0°ಅ		direct	13433 May 14 01:41	15° <b>8</b> 08'43	
morning set	13432 Jul 09 01:42	19° <b>©</b> 11'28		morning max el	13433 May 21 17:18	19° <b>8</b> 26'12	20°04'32
Č	13432 Jul 15 19:33	$0^{\circ}\Omega$		desc. node	13433 May 29 09:21	28° <b>8</b> 39'18	
max. Earth dist.	13432 Jul 15 23:42	0° <b>Ω</b> 16'56	1.42605 AU		13433 May 30 09:01	$\Pi^{\circ}0$	
				morning set	13433 Jun 18 05:28	27° <b>II</b> 55'21	
superior conj	13432 Jul 23 07:42	12° <b>Ω</b> 33'35	-1°40'21	. 8	13433 Jun 19 13:48	0°ಅ	
minimum elong	13432 Jul 23 14:47		1°40'24	max. Earth dist.	13433 Jun 28 10:16	13°952'38	1.44334 AU
S	13432 Aug 02 05:02	0° <b>m</b> )					
evening rise	13432 Aug 03 17:15	2° mp 43'21		superior conj	13433 Jul 04 00:26	22°952'57	-2°04'42
asc. node	13432 Aug 05 09:23	5° m) 44'23		minimum elong	13433 Jul 04 06:20	23°917'00	
evening max el	-	2					
e , emme man er	13432 Aug 19 23 23	28° m 18'03	18°05'34	C			
	13432 Aug 19 23:23	28° Mp 18′03 0° ₽	18°05'34	evening rise	13433 Jul 08 08:09	$0^{\circ}\Omega$	
retrograde	13432 Aug 21 22:39	0∘ <b>⊽</b>	18°05'34	evening rise	13433 Jul 08 08:09 13433 Jul 17 03:14	0° <b>Ω</b> 14° <b>Ω</b> 53'45	
retrograde	13432 Aug 21 22:39 13432 Aug 26 19:13	0° <b>ჲ</b> 1° <b>ჲ</b> 47'46	18°05'34	evening rise asc. node	13433 Jul 08 08:09 13433 Jul 17 03:14 13433 Jul 23 06:04	0° <b>Ω</b> 14° <b>Ω</b> 53'45 25° <b>Ω</b> 20'34	
retrograde evening set	13432 Aug 21 22:39 13432 Aug 26 19:13 13432 Aug 29 03:21	0° <b>ჲ</b> 1° <b>ჲ</b> 47'46 1° <b>ჲ</b> 23'22	18°05'34	asc. node	13433 Jul 08 08:09 13433 Jul 17 03:14 13433 Jul 23 06:04 13433 Jul 26 01:44	0° N 14° N 53'45 25° N 20'34 0° M	18°04'45
evening set	13432 Aug 21 22:39 13432 Aug 26 19:13 13432 Aug 29 03:21 13432 Aug 31 20:15	0° <u>Ω</u> 1° <u>Ω</u> 47'46 1° <u>Ω</u> 23'22 30°RM)		asc. node evening max el	13433 Jul 08 08:09 13433 Jul 17 03:14 13433 Jul 23 06:04 13433 Jul 26 01:44 13433 Aug 03 13:29	0° N 14° N 53'45 25° N 20'34 0° M 11° M 35'18	18°04'45
evening set inferior conj	13432 Aug 21 22:39 13432 Aug 26 19:13 13432 Aug 29 03:21 13432 Aug 31 20:15 13432 Sep 05 02:04	0° <u>Ω</u> 1° <u>Ω</u> 47'46 1° <u>Ω</u> 23'22 30° R M 26° M 28'52	0°42'10	asc. node evening max el retrograde	13433 Jul 08 08:09 13433 Jul 17 03:14 13433 Jul 23 06:04 13433 Jul 26 01:44 13433 Aug 03 13:29 13433 Aug 09 23:22	0° N 14° N 53'45 25° N 20'34 0° M 11° M 35'18 14° M 55'48	18°04'45
evening set  inferior conj minimum elong	13432 Aug 21 22:39 13432 Aug 26 19:13 13432 Aug 29 03:21 13432 Aug 31 20:15 13432 Sep 05 02:04 13432 Sep 05 03:22	0° <b>Ω</b> 1° <b>Ω</b> 47'46 1° <b>Ω</b> 23'22 30° R M 26° M 28'52 26° M 25'50		asc. node evening max el retrograde evening set	13433 Jul 08 08:09 13433 Jul 17 03:14 13433 Jul 23 06:04 13433 Jul 26 01:44 13433 Aug 03 13:29 13433 Aug 09 23:22 13433 Aug 12 15:46	0° N 14° N53'45 25° N20'34 0° M 11° M35'18 14° M55'48 14° M19'17	
evening set  inferior conj minimum elong desc. node	13432 Aug 21 22:39 13432 Aug 26 19:13 13432 Aug 29 03:21 13432 Aug 31 20:15 13432 Sep 05 02:04 13432 Sep 05 03:22 13432 Sep 07 09:39	0° <b>Ω</b> 1° <b>Ω</b> 47'46 1° <b>Ω</b> 23'22 30° R M 26° Mp 28'52 26° Mp 25'50 24° Mp 19'28	0°42'10 0°41'32	asc. node  evening max el retrograde evening set inferior conj	13433 Jul 08 08:09 13433 Jul 17 03:14 13433 Jul 23 06:04 13433 Jul 26 01:44 13433 Aug 03 13:29 13433 Aug 09 23:22 13433 Aug 12 15:46 13433 Aug 18 23:21	0° N 14° N53'45 25° N20'34 0° M 11° M35'18 14° M55'48 14° M19'17 9° M06'23	1°47'40
evening set  inferior conj minimum elong desc. node min. Earth dist.	13432 Aug 21 22:39 13432 Aug 26 19:13 13432 Aug 29 03:21 13432 Aug 31 20:15 13432 Sep 05 02:04 13432 Sep 05 03:22 13432 Sep 07 09:39 13432 Sep 08 07:20	0° \( \Omega\) 1° \( \Omega\) 47'46 1° \( \Omega\) 23'22 30° \( \Omega\) 26° \( \Omega\) 28'52 26° \( \Omega\) 25'50 24° \( \Omega\) 19'28 23° \( \Omega\) 30'44	0°42'10	asc. node  evening max el retrograde evening set inferior conj minimum elong	13433 Jul 08 08:09 13433 Jul 17 03:14 13433 Jul 23 06:04 13433 Jul 26 01:44 13433 Aug 03 13:29 13433 Aug 09 23:22 13433 Aug 12 15:46 13433 Aug 18 23:21 13433 Aug 19 01:48	0° N 14° N 53'45 25° N 20'34 0° M 11° M 35'18 14° M 55'48 14° M 19'17 9° M 06'23 8° M 59'54	1°47'40 1°46'27
evening set  inferior conj minimum elong desc. node min. Earth dist. morning rise	13432 Aug 21 22:39 13432 Aug 26 19:13 13432 Aug 29 03:21 13432 Aug 31 20:15 13432 Sep 05 02:04 13432 Sep 05 03:22 13432 Sep 07 09:39 13432 Sep 08 07:20 13432 Sep 12 00:15	0° \( \Omega\) 1° \( \Omega\) 47'46 1° \( \Omega\) 23'22 30° \( \Omega\) 26° \( \Omega\) 28'52 26° \( \Omega\) 25'50 24° \( \Omega\) 19'28 23° \( \Omega\) 30'44 20° \( \Omega\) 39'54	0°42'10 0°41'32	asc. node  evening max el retrograde evening set inferior conj minimum elong min. Earth dist.	13433 Jul 08 08:09 13433 Jul 17 03:14 13433 Jul 23 06:04 13433 Jul 26 01:44 13433 Aug 03 13:29 13433 Aug 09 23:22 13433 Aug 12 15:46 13433 Aug 18 23:21 13433 Aug 19 01:48 13433 Aug 21 19:27	0° N 14° N 53'45 25° N 20'34 0° M 11° M 35'18 14° M 55'48 14° M 19'17 9° M 06'23 8° M 59'54 6° M 07'37	1°47'40
evening set  inferior conj minimum elong desc. node min. Earth dist. morning rise direct	13432 Aug 21 22:39 13432 Aug 26 19:13 13432 Aug 29 03:21 13432 Aug 31 20:15 13432 Sep 05 02:04 13432 Sep 05 03:22 13432 Sep 07 09:39 13432 Sep 08 07:20 13432 Sep 12 00:15 13432 Sep 18 13:32	0° <b>Ω</b> 1° <b>Ω</b> 47'46 1° <b>Ω</b> 23'22 30° R M 26° M 28'52 26° M 25'50 24° M 19'28 23° M 30'44 20° M 39'54 18° M 35'11	0°42'10 0°41'32 0.60268 AU	asc. node  evening max el retrograde evening set inferior conj minimum elong min. Earth dist. morning rise	13433 Jul 08 08:09 13433 Jul 17 03:14 13433 Jul 23 06:04 13433 Aug 03 13:29 13433 Aug 09 23:22 13433 Aug 12 15:46 13433 Aug 18 23:21 13433 Aug 19 01:48 13433 Aug 21 19:27 13433 Aug 25 09:36	0° \( \Omega\) 14° \( \Omega\) 53'45 25° \( \Omega\) 20'34 0° \( \omega\) 11° \( \omega\) 35'18 14° \( \omega\) 55'48 14° \( \omega\) 19'17 9° \( \omega\) 06'23 8° \( \omega\) 59'54 6° \( \omega\) 07'37 2° \( \omega\) 56'59	1°47'40 1°46'27
evening set  inferior conj minimum elong desc. node min. Earth dist. morning rise	13432 Aug 21 22:39 13432 Aug 26 19:13 13432 Aug 29 03:21 13432 Aug 31 20:15 13432 Sep 05 02:04 13432 Sep 05 03:22 13432 Sep 07 09:39 13432 Sep 08 07:20 13432 Sep 12 00:15 13432 Sep 18 13:32 13432 Oct 02 20:45	0° Ω 1° Ω 47'46 1° Ω 23'22 30° R M 26° M 28'52 26° M 25'50 24° M 19'28 23° M 30'44 20° M 39'54 18° M 35'11 26° M 28'18	0°42'10 0°41'32	asc. node  evening max el retrograde evening set inferior conj minimum elong min. Earth dist. morning rise desc. node	13433 Jul 08 08:09 13433 Jul 17 03:14 13433 Jul 23 06:04 13433 Aug 03 13:29 13433 Aug 09 23:22 13433 Aug 12 15:46 13433 Aug 18 23:21 13433 Aug 19 01:48 13433 Aug 21 19:27 13433 Aug 25 09:36 13433 Aug 25 07:11	0° \( \Omega\) 14° \( \Omega\) 53'45 25° \( \Omega\) 20'34 0° \( \omega\) 11° \( \omega\) 35'18 14° \( \omega\) 55'48 14° \( \omega\) 19'17 9° \( \omega\) 06'23 8° \( \omega\) 59'54 6° \( \omega\) 07'37 2° \( \omega\) 56'59 3° \( \omega\) 01'23	1°47'40 1°46'27
evening set  inferior conj minimum elong desc. node min. Earth dist. morning rise direct	13432 Aug 21 22:39 13432 Aug 26 19:13 13432 Aug 29 03:21 13432 Aug 31 20:15 13432 Sep 05 02:04 13432 Sep 05 03:22 13432 Sep 07 09:39 13432 Sep 08 07:20 13432 Sep 12 00:15 13432 Sep 18 13:32 13432 Oct 02 20:45 13432 Oct 06 04:37	0° Ω 1° Ω 47'46 1° Ω 23'22 30° R W 26° W 28'52 26° W 25'50 24° W 19'28 23° W 30'44 20° W 39'54 18° W 28'11 26° M 28'18 0° Ω	0°42'10 0°41'32 0.60268 AU	asc. node  evening max el retrograde evening set inferior conj minimum elong min. Earth dist. morning rise desc. node direct	13433 Jul 08 08:09 13433 Jul 17 03:14 13433 Jul 23 06:04 13433 Jul 26 01:44 13433 Aug 03 13:29 13433 Aug 09 23:22 13433 Aug 12 15:46 13433 Aug 18 23:21 13433 Aug 19 01:48 13433 Aug 21 19:27 13433 Aug 25 09:36 13433 Aug 25 07:11 13433 Sep 01 01:54	0° \( \Omega\) 14° \( \Omega\) 53'45 25° \( \Omega\) 20'34 0° \( \omega\) 11° \( \omega\) 35'18 14° \( \omega\) 55'48 14° \( \omega\) 19'17 9° \( \omega\) 06'23 8° \( \omega\) 59'54 6° \( \omega\) 07'37 2° \( \omega\) 56'59 3° \( \omega\) 01'23 0° \( \omega\) 30'57	1°47'40 1°46'27 0.62542 AU
evening set  inferior conj minimum elong desc. node min. Earth dist. morning rise direct morning max el	13432 Aug 21 22:39 13432 Aug 26 19:13 13432 Aug 29 03:21 13432 Aug 31 20:15 13432 Sep 05 02:04 13432 Sep 05 03:22 13432 Sep 07 09:39 13432 Sep 08 07:20 13432 Sep 12 00:15 13432 Sep 12 00:15 13432 Oct 02 20:45 13432 Oct 06 04:37 13432 Oct 26 09:54	0° \( \Omega\) 1° \( \Omega\) 47'46 1° \( \Omega\) 23'22 30° \( \Omega\) 26° \( \Omega\) 25'50 24° \( \Omega\) 19'28 23° \( \Omega\) 30'44 20° \( \Omega\) 35'11 26° \( \Omega\) 28'18 0° \( \Omega\)	0°42'10 0°41'32 0.60268 AU	asc. node  evening max el retrograde evening set inferior conj minimum elong min. Earth dist. morning rise desc. node	13433 Jul 08 08:09 13433 Jul 17 03:14 13433 Jul 23 06:04 13433 Aug 03 13:29 13433 Aug 09 23:22 13433 Aug 12 15:46 13433 Aug 18 23:21 13433 Aug 19 01:48 13433 Aug 21 19:27 13433 Aug 25 09:36 13433 Aug 25 07:11 13433 Sep 01 01:54 13433 Sep 15 03:49	0° \( \Omega\) 14° \( \Omega\) 53'45 25° \( \Omega\) 20'34 0° \( \omega\) 11° \( \omega\) 35'18 14° \( \omega\) 55'48 14° \( \omega\) 19'17 9° \( \omega\) 06'23 8° \( \omega\) 59'54 6° \( \omega\) 07'37 2° \( \omega\) 56'59 3° \( \omega\) 01'23 0° \( \omega\) 30'57 8° \( \omega\) 32'33	1°47'40 1°46'27 0.62542 AU
evening set  inferior conj minimum elong desc. node min. Earth dist. morning rise direct morning max el	13432 Aug 21 22:39 13432 Aug 26 19:13 13432 Aug 29 03:21 13432 Aug 31 20:15 13432 Sep 05 02:04 13432 Sep 07 09:39 13432 Sep 08 07:20 13432 Sep 12 00:15 13432 Sep 18 13:32 13432 Oct 02 20:45 13432 Oct 06 04:37 13432 Oct 26 09:54 13432 Nov 01 11:21	0° \( \Omega\) 1° \( \Omega\) 47'46 1° \( \Omega\) 23'22 30° \( \Omega\) 26° \( \Omega\) 25'50 24° \( \Omega\) 19'28 23° \( \Omega\) 30'44 20° \( \Omega\) 35'11 26° \( \Omega\) 28'18 0° \( \Omega\) 0° \( \Omega\) 11° \( \Omega\) 33'54	0°42'10 0°41'32 0.60268 AU	asc. node  evening max el retrograde evening set inferior conj minimum elong min. Earth dist. morning rise desc. node direct	13433 Jul 08 08:09 13433 Jul 17 03:14 13433 Jul 23 06:04 13433 Jul 26 01:44 13433 Aug 03 13:29 13433 Aug 09 23:22 13433 Aug 12 15:46 13433 Aug 18 23:21 13433 Aug 19 01:48 13433 Aug 21 19:27 13433 Aug 25 09:36 13433 Aug 25 07:11 13433 Sep 01 01:54 13433 Sep 15 03:49 13433 Oct 01 17:35	0° \( \Omega\) 14° \( \Omega\) 53'45 25° \( \Omega\) 20'34 0° \( \omega\) 11° \( \omega\) 35'18 14° \( \omega\) 55'48 14° \( \omega\) 19'17 9° \( \omega\) 06'23 8° \( \omega\) 59'54 6° \( \omega\) 07'37 2° \( \omega\) 56'59 3° \( \omega\) 01'23 0° \( \omega\) 30'57 8° \( \omega\) 32'33 0° \( \omega\)	1°47'40 1°46'27 0.62542 AU
evening set  inferior conj minimum elong desc. node min. Earth dist. morning rise direct morning max el	13432 Aug 21 22:39 13432 Aug 26 19:13 13432 Aug 29 03:21 13432 Aug 31 20:15 13432 Sep 05 02:04 13432 Sep 07 09:39 13432 Sep 08 07:20 13432 Sep 12 00:15 13432 Sep 18 13:32 13432 Oct 06 04:37 13432 Oct 06 04:37 13432 Nov 01 11:21 13432 Nov 04 09:38	0° \( \Omega\) 1° \( \Omega\) 47'46 1° \( \Omega\) 23'22 30° \( \Omega\) 26° \( \Omega\) 28'52 26° \( \Omega\) 25'50 24° \( \Omega\) 19'28 23° \( \Omega\) 30'44 20° \( \Omega\) 39'54 18° \( \Omega\) 28'18 0° \( \Omega\) 0° \( \Omega\) 11° \( \Omega\) 33'54 17° \( \Omega\) 34'07	0°42'10 0°41'32 0.60268 AU	asc. node  evening max el retrograde evening set inferior conj minimum elong min. Earth dist. morning rise desc. node direct morning max el	13433 Jul 08 08:09 13433 Jul 17 03:14 13433 Jul 23 06:04 13433 Jul 26 01:44 13433 Aug 03 13:29 13433 Aug 09 23:22 13433 Aug 12 15:46 13433 Aug 18 23:21 13433 Aug 19 01:48 13433 Aug 21 19:27 13433 Aug 25 09:36 13433 Aug 25 07:11 13433 Sep 01 01:54 13433 Sep 15 03:49 13433 Oct 01 17:35 13433 Oct 18 14:46	0° Ω 14° Ω53'45 25° Ω20'34 0° m 11° my 35'18 14° my 55'48 14° my 19'17 9° my 06'23 8° my 59'54 6° my 07'37 2° my 56'59 3° my 01'23 0° my 30'57 8° my 32'33 0° Ω 0° M	1°47'40 1°46'27 0.62542 AU
evening set  inferior conj minimum elong desc. node min. Earth dist. morning rise direct morning max el  asc. node morning set	13432 Aug 21 22:39 13432 Aug 26 19:13 13432 Aug 29 03:21 13432 Aug 31 20:15 13432 Sep 05 02:04 13432 Sep 07 09:39 13432 Sep 08 07:20 13432 Sep 12 00:15 13432 Sep 18 13:32 13432 Oct 02 20:45 13432 Oct 02 20:45 13432 Oct 06 04:37 13432 Oct 26 09:54 13432 Nov 01 11:21 13432 Nov 04 09:38 13432 Nov 10 03:39	0° \( \oldsymbol{\Omega}\) 1° \( \oldsymbol{\Omega}\) 1° \( \oldsymbol{\Omega}\) 26° \( \oldsymbol{\Omega}\) 26° \( \oldsymbol{\Omega}\) 26° \( \oldsymbol{\Omega}\) 26° \( \oldsymbol{\Omega}\) 23° \( \oldsymbol{\Omega}\) 30'44 20° \( \oldsymbol{\Omega}\) 30'44 20° \( \oldsymbol{\Omega}\) 35'11 26° \( \oldsymbol{\Omega}\) 0° \( \oldsymbol{\Omega}\) 11° \( \oldsymbol{\Omega}\) 33'54 17° \( \oldsymbol{\Omega}\) 0° \( \oldsymbol{\Omega}\)	0°42'10 0°41'32 0.60268 AU 27°51'50	asc. node  evening max el retrograde evening set inferior conj minimum elong min. Earth dist. morning rise desc. node direct morning max el  morning set	13433 Jul 08 08:09 13433 Jul 17 03:14 13433 Jul 23 06:04 13433 Jul 26 01:44 13433 Aug 03 13:29 13433 Aug 09 23:22 13433 Aug 12 15:46 13433 Aug 18 23:21 13433 Aug 19 01:48 13433 Aug 21 19:27 13433 Aug 25 09:36 13433 Aug 25 07:11 13433 Sep 01 01:54 13433 Sep 15 03:49 13433 Oct 01 17:35 13433 Oct 18 14:46 13433 Oct 19 08:08	0° Ω 14° Ω53'45 25° Ω20'34 0° m 11° m 35'18 14° m 55'48 14° m 19'17 9° m 06'23 8° m 59'54 6° m 07'37 2° m 56'59 3° m 01'23 0° m 30'57 8° m 32'33 0° Ω 0° m 1° m 27'58	1°47'40 1°46'27 0.62542 AU
evening set  inferior conj minimum elong desc. node min. Earth dist. morning rise direct morning max el	13432 Aug 21 22:39 13432 Aug 26 19:13 13432 Aug 29 03:21 13432 Aug 31 20:15 13432 Sep 05 02:04 13432 Sep 07 09:39 13432 Sep 08 07:20 13432 Sep 12 00:15 13432 Sep 18 13:32 13432 Oct 06 04:37 13432 Oct 06 04:37 13432 Nov 01 11:21 13432 Nov 04 09:38	0° \( \Omega\) 1° \( \Omega\) 47'46 1° \( \Omega\) 23'22 30° \( \Omega\) 26° \( \Omega\) 28'52 26° \( \Omega\) 25'50 24° \( \Omega\) 19'28 23° \( \Omega\) 30'44 20° \( \Omega\) 39'54 18° \( \Omega\) 28'18 0° \( \Omega\) 0° \( \Omega\) 11° \( \Omega\) 33'54 17° \( \Omega\) 34'07	0°42'10 0°41'32 0.60268 AU	asc. node  evening max el retrograde evening set inferior conj minimum elong min. Earth dist. morning rise desc. node direct morning max el  morning set asc. node	13433 Jul 08 08:09 13433 Jul 17 03:14 13433 Jul 23 06:04 13433 Jul 26 01:44 13433 Aug 03 13:29 13433 Aug 09 23:22 13433 Aug 12 15:46 13433 Aug 18 23:21 13433 Aug 19 01:48 13433 Aug 21 19:27 13433 Aug 25 09:36 13433 Aug 25 07:11 13433 Sep 15 03:49 13433 Oct 01 17:35 13433 Oct 18 14:46 13433 Oct 19 08:08 13433 Oct 19 08:02	0° N 14° N53'45 25° N20'34 0° m 11° m35'18 14° m55'48 14° m19'17 9° m06'23 8° m59'54 6° m07'37 2° m56'59 3° m01'23 0° m30'57 8° m32'33 0° Ω 0° m 1° m27'58 1° m27'58	1°47'40 1°46'27 0.62542 AU 27°55'24
evening set  inferior conj minimum elong desc. node min. Earth dist. morning rise direct morning max el  asc. node morning set  max. Earth dist.	13432 Aug 21 22:39 13432 Aug 26 19:13 13432 Aug 29 03:21 13432 Aug 31 20:15 13432 Sep 05 02:04 13432 Sep 07 09:39 13432 Sep 08 07:20 13432 Sep 12 00:15 13432 Sep 18 13:32 13432 Oct 02 20:45 13432 Oct 06 04:37 13432 Nov 10 11:21 13432 Nov 04 09:38 13432 Nov 10 03:39 13432 Nov 10 11:00	0° \( \oldsymbol{\Omega}\) 1° \( \oldsymbol{\Omega}\) 1° \( \oldsymbol{\Omega}\) 26° \( \oldsymbol{\Omega}\) 26° \( \oldsymbol{\Omega}\) 26° \( \oldsymbol{\Omega}\) 23° \( \oldsymbol{\Omega}\) 30' 44 20° \( \oldsymbol{\Omega}\) 30' 44 20° \( \oldsymbol{\Omega}\) 30' \( \oldsymbol{\Omega}\) 11° \( \oldsymbol{\Omega}\) 30' \( \oldsymbol{\Omega}\) 11° \( \oldsymbol{\Omega}\) 30' \( \oldsymbol{\Omega}\) 10° \( \oldsymbol{\Omega}\) 0° \( \oldsymbol{\Omega}\)	0°42'10 0°41'32 0.60268 AU 27°51'50	asc. node  evening max el retrograde evening set inferior conj minimum elong min. Earth dist. morning rise desc. node direct morning max el  morning set	13433 Jul 08 08:09 13433 Jul 17 03:14 13433 Jul 23 06:04 13433 Jul 26 01:44 13433 Aug 03 13:29 13433 Aug 09 23:22 13433 Aug 12 15:46 13433 Aug 18 23:21 13433 Aug 19 01:48 13433 Aug 21 19:27 13433 Aug 25 09:36 13433 Aug 25 07:11 13433 Sep 01 01:54 13433 Sep 15 03:49 13433 Oct 01 17:35 13433 Oct 18 14:46 13433 Oct 19 08:08	0° N 14° N53'45 25° N20'34 0° m 11° m35'18 14° m55'48 14° m19'17 9° m06'23 8° m59'54 6° m07'37 2° m56'59 3° m01'23 0° m30'57 8° m32'33 0° Ω 0° m 1° m27'58 1° m27'58	1°47'40 1°46'27 0.62542 AU
evening set  inferior conj minimum elong desc. node min. Earth dist. morning rise direct morning max el  asc. node morning set  max. Earth dist.  superior conj	13432 Aug 21 22:39 13432 Aug 26 19:13 13432 Aug 29 03:21 13432 Aug 31 20:15 13432 Sep 05 02:04 13432 Sep 05 03:22 13432 Sep 07 09:39 13432 Sep 08 07:20 13432 Sep 12 00:15 13432 Sep 18 13:32 13432 Oct 02 20:45 13432 Oct 06 04:37 13432 Oct 26 09:54 13432 Nov 04 09:38 13432 Nov 10 11:21 13432 Nov 10 03:39 13432 Nov 10 11:00	0° \( \oldsymbol{\Omega}\) 1° \( \oldsymbol{\Omega}\) 1° \( \oldsymbol{\Omega}\) 26° \( \oldsymbol{\Omega}\) 26° \( \oldsymbol{\Omega}\) 26° \( \oldsymbol{\Omega}\) 28' \( \oldsymbol{\Omega}\) 20° \( \oldsymbol{\Omega}\) 30' \( \oldsymbol{\Omega}\) 11° \( \oldsymbol{\Omega}\) 30' \( \oldsymbol{\Omega}\) 11° \( \oldsymbol{\Omega}\) 30' \( \oldsymbol{\Omega}\) 0° \( \oldsymbol{\Omega}\) 0° \( \oldsymbol{\Omega}\) 3° \( \old	0°42'10 0°41'32 0.60268 AU 27°51'50 1.31304 AU 1°23'05	asc. node  evening max el retrograde evening set inferior conj minimum elong min. Earth dist. morning rise desc. node direct morning max el  morning set asc. node max. Earth dist.	13433 Jul 08 08:09 13433 Jul 17 03:14 13433 Jul 23 06:04 13433 Jul 26 01:44 13433 Aug 03 13:29 13433 Aug 09 23:22 13433 Aug 12 15:46 13433 Aug 18 23:21 13433 Aug 19 01:48 13433 Aug 21 19:27 13433 Aug 25 09:36 13433 Aug 25 07:11 13433 Sep 01 01:54 13433 Sep 01 01:54 13433 Oct 19 08:08 13433 Oct 19 08:08 13433 Oct 19 08:08 13433 Oct 24 14:46	0° N 14° N53'45 25° N20'34 0° m 11° m35'18 14° m55'48 14° m19'17 9° m06'23 8° m59'54 6° m07'37 2° m56'59 3° m01'23 0° m30'57 8° m32'33 0° Ω 0° M 1° M27'58 1° M27'58 1° M27'25 12° M33'12	1°47'40 1°46'27 0.62542 AU 27°55'24
evening set  inferior conj minimum elong desc. node min. Earth dist. morning rise direct morning max el  asc. node morning set  max. Earth dist.  superior conj minimum elong	13432 Aug 21 22:39 13432 Aug 26 19:13 13432 Aug 29 03:21 13432 Aug 31 20:15 13432 Sep 05 02:04 13432 Sep 05 03:22 13432 Sep 07 09:39 13432 Sep 12 00:15 13432 Sep 12 00:15 13432 Sep 18 13:32 13432 Oct 02 20:45 13432 Oct 06 04:37 13432 Oct 26 09:54 13432 Nov 10 11:21 13432 Nov 10 03:39 13432 Nov 10 11:00 13432 Nov 11 13:10 13432 Nov 11 13:10	0° \( \oldsymbol{\Omega}\) 1° \( \oldsymbol{\Omega}\) 1° \( \oldsymbol{\Omega}\) 26° \( \oldsymbol{\Omega}\) 26° \( \oldsymbol{\Omega}\) 26° \( \oldsymbol{\Omega}\) 28' \( \oldsymbol{\Omega}\) 20° \( \oldsymbol{\Omega}\) 30' \( \oldsymbol{\Omega}\) 11° \( \oldsymbol{\Omega}\) 30' \( \oldsymbol{\Omega}\) 11° \( \oldsymbol{\Omega}\) 30' \( \oldsymbol{\Omega}\) 00' \( \oldsymbol{\Omega}\) 30'	0°42'10 0°41'32 0.60268 AU 27°51'50	asc. node  evening max el retrograde evening set inferior conj minimum elong min. Earth dist. morning rise desc. node direct morning max el  morning set asc. node max. Earth dist. superior conj	13433 Jul 08 08:09 13433 Jul 17 03:14 13433 Jul 23 06:04 13433 Jul 26 01:44 13433 Aug 03 13:29 13433 Aug 09 23:22 13433 Aug 12 15:46 13433 Aug 18 23:21 13433 Aug 19 01:48 13433 Aug 25 09:36 13433 Aug 25 09:36 13433 Aug 25 07:11 13433 Sep 01 01:54 13433 Sep 01 01:54 13433 Oct 19 08:08 13433 Oct 19 08:02 13433 Oct 24 14:46 13433 Oct 26 22:05	0° \( \Omega\) 14° \( \Omega\) 53'45 25° \( \Omega\) 20'34 0° \( \omega\) 11° \( \omega\) 35'18 14° \( \omega\) 55'48 14° \( \omega\) 19'17 9° \( \omega\) 06'23 8° \( \omega\) 59'54 6° \( \omega\) 07'37 2° \( \omega\) 56'59 3° \( \omega\) 01'23 0° \( \omega\) 30'57 8° \( \omega\) 32'33 0° \( \omega\) 1° \( \omega\) 27'25 12° \( \omega\) 33'12 17° \( \omega\) 34'22	1°47'40 1°46'27 0.62542 AU 27°55'24 1.31897 AU 1°07'03
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evening set  inferior conj minimum elong desc. node min. Earth dist. morning rise direct morning max el  asc. node morning set  max. Earth dist. superior conj minimum elong evening rise  desc. node evening max el	13432 Aug 21 22:39 13432 Aug 26 19:13 13432 Aug 29 03:21 13432 Aug 31 20:15 13432 Sep 05 02:04 13432 Sep 07 09:39 13432 Sep 08 07:20 13432 Sep 12 00:15 13432 Sep 18 13:32 13432 Oct 02 20:45 13432 Oct 06 04:37 13432 Oct 26 09:54 13432 Nov 01 11:21 13432 Nov 04 09:38 13432 Nov 10 03:39 13432 Nov 10 11:00 13432 Nov 11 11:11 13432 Nov 11 11:11 13432 Nov 18 05:55 13432 Nov 24 02:40 13432 Dec 04 06:30 13432 Dec 13 19:33 13432 Dec 15 20:35	0° \( \overline{\Omega}\) 1° \( \overline{\Omega}\) 47'46 1° \( \overline{\Omega}\) 23'22 30° \( \overline{\Omega}\) 28'52 26° \( \overline{\Omega}\) 25'50 24° \( \overline{\Omega}\) 30'44 20° \( \overline{\Omega}\) 39'54 18° \( \overline{\Omega}\) 35'11 26° \( \overline{\Omega}\) 28'18 0° \( \overline{\Omega}\) 0° \( \overline{\Omega}\) 11° \( \overline{\Omega}\) 34'07 0° \( \overline{\Omega}\) 40'45 3° \( \overline{\Omega}\) 30'6'10 2° \( \overline{\Omega}\) 3'3'44 0° \( \overline{\Omega}\) 40'17 0° \( \overline{\Omega}\) 40'17 0° \( \overline{\Omega}\) 40'17 0° \( \overline{\Omega}\) 3'02'02	0°42'10 0°41'32 0.60268 AU 27°51'50 1.31304 AU 1°23'05	asc. node  evening max el retrograde evening set inferior conj minimum elong min. Earth dist. morning rise desc. node direct morning max el  morning set asc. node max. Earth dist. superior conj minimum elong evening rise desc. node	13433 Jul 08 08:09 13433 Jul 17 03:14 13433 Jul 23 06:04 13433 Jul 26 01:44 13433 Aug 03 13:29 13433 Aug 09 23:22 13433 Aug 12 15:46 13433 Aug 18 23:21 13433 Aug 19 01:48 13433 Aug 25 09:36 13433 Aug 25 07:11 13433 Sep 01 01:54 13433 Sep 15 03:49 13433 Oct 01 17:35 13433 Oct 18 14:46 13433 Oct 19 08:08 13433 Oct 24 14:46 13433 Oct 26 22:05 13433 Oct 26 19:48 13433 Nov 01 13:48 13433 Nov 01 13:48 13433 Nov 02 16:48 13433 Nov 02 16:48 13433 Nov 17 09:53 13433 Nov 21 03:40	0° N 14° N53'45 25° N20'34 0° m 11° m35'18 14° m55'48 14° m19'17 9° m06'23 8° m59'54 6° m07'37 2° m56'59 3° m01'23 0° m30'57 8° m32'33 0° Ω 0° M 1° M27'58 1° M27'58 1° M27'58 1° M33'12 17° M34'22 17° M21'53 0° √ 2° √26'17 0° ♂ 5° ♂18'31	1°47'40 1°46'27 0.62542 AU 27°55'24 1.31897 AU 1°07'03 1°07'23
evening set  inferior conj minimum elong desc. node min. Earth dist. morning rise direct morning max el  asc. node morning set  max. Earth dist.  superior conj minimum elong evening rise  desc. node evening max el retrograde	13432 Aug 21 22:39 13432 Aug 26 19:13 13432 Aug 29 03:21 13432 Aug 31 20:15 13432 Sep 05 02:04 13432 Sep 07 09:39 13432 Sep 08 07:20 13432 Sep 12 00:15 13432 Sep 18 13:32 13432 Oct 02 20:45 13432 Oct 06 04:37 13432 Oct 06 04:37 13432 Nov 01 11:21 13432 Nov 04 09:38 13432 Nov 10 03:39 13432 Nov 10 11:00 13432 Nov 11 11:11 13432 Nov 11 11:11 13432 Nov 18 05:55 13432 Nov 24 02:40 13432 Dec 04 06:30 13432 Dec 13 19:33 13432 Dec 15 20:35 13432 Dec 29 18:10	0° \( \oldsymbol{\Omega}\) 1° \( \oldsymbol{\Omega}\) 1° \( \oldsymbol{\Omega}\) 26° \( \oldsymbol{\Omega}\) 26° \( \oldsymbol{\Omega}\) 26° \( \oldsymbol{\Omega}\) 26° \( \oldsymbol{\Omega}\) 20° \( \oldsymbol{\Omega}\) 11° \( \oldsymbol{\Omega}\) 11° \( \oldsymbol{\Omega}\) 11° \( \oldsymbol{\Omega}\) 10° \( \oldsymbol{\Omega}\) 2° \( \oldsymbol{\Omega}\) 2° \( \oldsymbol{\Omega}\) 0' \( \oldsymbol{\Omega}\) 10° \( \oldsymbol{\Omega}\) 2° \( \oldsymbol{\Omega}\) 0' \( \oldsymbol{\Omega}\) 2° \( \oldsymbol{\Omega}\) 0' \( \oldsymbol{\Omega}\) 2° \( \oldsymbol{\Omega}\) 2° \( \oldsymbol{\Omega}\) 0' \( \oldsymbol{\Omega}\) 2° \( \oldsymbol{\Omega}\) 3°	0°42'10 0°41'32 0.60268 AU 27°51'50 1.31304 AU 1°23'05 1°23'43	asc. node  evening max el retrograde evening set inferior conj minimum elong min. Earth dist. morning rise desc. node direct morning max el  morning set asc. node max. Earth dist. superior conj minimum elong evening rise desc. node evening max el	13433 Jul 08 08:09 13433 Jul 17 03:14 13433 Jul 23 06:04 13433 Jul 26 01:44 13433 Aug 03 13:29 13433 Aug 09 23:22 13433 Aug 12 15:46 13433 Aug 18 23:21 13433 Aug 19 01:48 13433 Aug 21 19:27 13433 Aug 25 09:36 13433 Aug 25 07:11 13433 Sep 01 01:54 13433 Sep 15 03:49 13433 Oct 01 17:35 13433 Oct 18 14:46 13433 Oct 19 08:08 13433 Oct 19 08:02 13433 Oct 24 14:46 13433 Oct 26 19:48 13433 Nov 01 13:48 13433 Nov 02 16:48 13433 Nov 01 13:48 13433 Nov 02 16:48 13433 Nov 21 03:40 13433 Nov 21 03:40 13433 Nov 27 08:31	0° N 14° N53'45 25° N20'34 0° m 11° m35'18 14° m55'48 14° m19'17 9° m06'23 8° m59'54 6° m07'37 2° m56'59 3° m01'23 0° m30'57 8° m32'33 0° Ω 0° m 1° m27'58 1° m27'58 1° m27'58 1° m33'12 17° m34'22 17° m34'22 17° m34'22 17° m34'21	1°47'40 1°46'27 0.62542 AU 27°55'24 1.31897 AU 1°07'03 1°07'23
evening set  inferior conj minimum elong desc. node min. Earth dist. morning rise direct morning max el  asc. node morning set  max. Earth dist.  superior conj minimum elong evening rise  desc. node evening max el retrograde evening set	13432 Aug 21 22:39 13432 Aug 26 19:13 13432 Aug 29 03:21 13432 Aug 31 20:15 13432 Sep 05 02:04 13432 Sep 05 03:22 13432 Sep 07 09:39 13432 Sep 12 00:15 13432 Sep 12 00:15 13432 Sep 18 13:32 13432 Oct 02 20:45 13432 Oct 06 04:37 13432 Oct 26 09:54 13432 Nov 01 11:21 13432 Nov 04 09:38 13432 Nov 10 03:39 13432 Nov 10 11:00  13432 Nov 11 11:11 13432 Nov 11 11:11 13432 Nov 12 05:55 13432 Nov 24 02:40 13432 Dec 13 19:33 13432 Dec 15 20:35 13432 Dec 29 18:10 13433 Jan 04 20:00	0° \( \overline{\Omega}\) 1° \( \overline{\Omega}\) 47'46 1° \( \overline{\Omega}\) 23'22 30° \( \overline{\Omega}\) 26° \( \overline{\Omega}\) 28'52 26° \( \overline{\Omega}\) 25'50 24° \( \overline{\Omega}\) 30'44 20° \( \overline{\Omega}\) 30'44 20° \( \overline{\Omega}\) 39'54 18° \( \overline{\Omega}\) 28'18 0° \( \overline{\Omega}\) 10° \( \overline{\Omega}\) 40'45 3° \( \overline{\Omega}\) 30'6'10 2° \( \overline{\Omega}\) 3'6'44 0° \( \overline{\Omega}\) 3'6'44 0° \( \overline{\Omega}\) 40'17 0° \( \overline{\Omega}\) 40'17 0° \( \overline{\Omega}\) 3'8'25	0°42'10 0°41'32 0.60268 AU 27°51'50 1.31304 AU 1°23'05 1°23'43	asc. node  evening max el retrograde evening set inferior conj minimum elong min. Earth dist. morning rise desc. node direct morning max el  morning set asc. node max. Earth dist. superior conj minimum elong evening rise desc. node evening max el retrograde	13433 Jul 08 08:09 13433 Jul 17 03:14 13433 Jul 23 06:04 13433 Jul 26 01:44 13433 Aug 03 13:29 13433 Aug 09 23:22 13433 Aug 12 15:46 13433 Aug 18 23:21 13433 Aug 19 01:48 13433 Aug 21 19:27 13433 Aug 25 09:36 13433 Aug 25 07:11 13433 Sep 01 01:54 13433 Sep 15 03:49 13433 Oct 01 17:35 13433 Oct 18 14:46 13433 Oct 19 08:08 13433 Oct 19 08:02 13433 Oct 24 14:46  13433 Oct 26 19:48 13433 Nov 01 13:48 13433 Nov 02 16:48 13433 Nov 02 16:48 13433 Nov 27 08:31 13433 Dec 10 23:44	0° N 14° N53'45 25° N20'34 0° m 11° m35'18 14° m55'48 14° m19'17 9° m06'23 8° m59'54 6° m07'37 2° m56'59 3° m01'23 0° m30'57 8° m32'33 0° Ω 0° m 1° m27'58 1° m27'58 1° m27'58 1° m21'53 0° ¾ 2° ¾26'17 0° ♂ 5° ♂ 18'31 12° ♂ 23'06 19° ♂ 10'46	1°47'40 1°46'27 0.62542 AU 27°55'24 1.31897 AU 1°07'03 1°07'23
evening set  inferior conj minimum elong desc. node min. Earth dist. morning rise direct morning max el  asc. node morning set  max. Earth dist.  superior conj minimum elong evening rise desc. node evening max el retrograde evening set min. Earth dist.	13432 Aug 21 22:39 13432 Aug 26 19:13 13432 Aug 29 03:21 13432 Aug 31 20:15 13432 Sep 05 02:04 13432 Sep 05 03:22 13432 Sep 07 09:39 13432 Sep 12 00:15 13432 Sep 12 00:15 13432 Sep 18 13:32 13432 Oct 02 20:45 13432 Oct 06 04:37 13432 Nov 04 09:38 13432 Nov 04 09:38 13432 Nov 10 03:39 13432 Nov 10 11:00 13432 Nov 11 11:11 13432 Nov 11 11:11 13432 Nov 12 10:55 13432 Nov 24 02:40 13432 Dec 04 06:30 13432 Dec 13 19:33 13432 Dec 15 20:35 13432 Dec 29 18:10 13433 Jan 04 20:00 13433 Jan 09 09:10	0° \( \overline{\Omega}\) 1° \( \overline{\Omega}\) 47'46 1° \( \overline{\Omega}\) 23'22 30° \( \overline{\Omega}\) 26° \( \overline{\Omega}\) 28'52 26° \( \overline{\Omega}\) 25'50 24° \( \overline{\Omega}\) 19'28 23° \( \overline{\Omega}\) 30'44 20° \( \overline{\Omega}\) 39'54 18° \( \overline{\Omega}\) 28'18 0° \( \overline{\Omega}\) 10° \( \overline{\Omega}\) 40'45 10° \( \overline{\Omega}\) 40'45 3° \( \overline{\Omega}\) 30'6'10 2° \( \overline{\Omega}\) 3'55'07 17° \( \overline{\Omega}\) 40'45 17° \( \overline{\Omega}\) 40'17 0° \( \overline{\Omega}\) 2° \( \overline{\Omega}\) 3'02 9° \( \overline{\Omega}\) 4'04'45 5° \( \overline{\Omega}\) 3'25 5° \( \overline{\Omega}\) 0'43	0°42'10 0°41'32 0.60268 AU 27°51'50 1.31304 AU 1°23'05 1°23'43 25°43'19 0.57491 AU	asc. node  evening max el retrograde evening set inferior conj minimum elong min. Earth dist. morning rise desc. node direct morning max el  morning set asc. node max. Earth dist. superior conj minimum elong evening rise desc. node evening max el retrograde evening set	13433 Jul 08 08:09 13433 Jul 17 03:14 13433 Jul 23 06:04 13433 Jul 26 01:44 13433 Aug 03 13:29 13433 Aug 09 23:22 13433 Aug 12 15:46 13433 Aug 18 23:21 13433 Aug 19 01:48 13433 Aug 21 19:27 13433 Aug 25 09:36 13433 Aug 25 07:11 13433 Sep 15 03:49 13433 Oct 01 17:35 13433 Oct 18 14:46 13433 Oct 19 08:08 13433 Oct 19 08:08 13433 Oct 24 14:46 13433 Oct 26 19:48 13433 Nov 17 09:53 13433 Nov 17 09:53 13433 Nov 27 08:31 13433 Dec 10 23:44 13433 Dec 10 23:44 13433 Dec 10 23:44	0° N 14° N53'45 25° N20'34 0° m 11° m35'18 14° m55'48 14° m19'17 9° m06'23 8° m59'54 6° m07'37 2° m56'59 3° m01'23 0° m30'57 8° m32'33 0° Ω 0° m 1° m27'58 1° m27'58 1° m27'58 1° m21'53 0° ¾ 2° ¾26'17 0° ♂ 5° ♂18'31 12° ♂3'06 19° ♂10'46 18° ♂16'06	1°47'40 1°46'27 0.62542 AU 27°55'24 1.31897 AU 1°07'03 1°07'23
evening set  inferior conj minimum elong desc. node min. Earth dist. morning rise direct morning max el  asc. node morning set  max. Earth dist.  superior conj minimum elong evening rise  desc. node evening max el retrograde evening set	13432 Aug 21 22:39 13432 Aug 26 19:13 13432 Aug 29 03:21 13432 Aug 31 20:15 13432 Sep 05 02:04 13432 Sep 05 03:22 13432 Sep 07 09:39 13432 Sep 12 00:15 13432 Sep 12 00:15 13432 Sep 18 13:32 13432 Oct 02 20:45 13432 Oct 06 04:37 13432 Oct 26 09:54 13432 Nov 01 11:21 13432 Nov 04 09:38 13432 Nov 10 03:39 13432 Nov 10 11:00  13432 Nov 11 11:11 13432 Nov 11 11:11 13432 Nov 12 05:55 13432 Nov 24 02:40 13432 Dec 13 19:33 13432 Dec 15 20:35 13432 Dec 29 18:10 13433 Jan 04 20:00	0° \( \overline{\Omega}\) 1° \( \overline{\Omega}\) 47'46 1° \( \overline{\Omega}\) 23'22 30° \( \overline{\Omega}\) 26° \( \overline{\Omega}\) 28'52 26° \( \overline{\Omega}\) 25'50 24° \( \overline{\Omega}\) 30'44 20° \( \overline{\Omega}\) 30'44 20° \( \overline{\Omega}\) 39'54 18° \( \overline{\Omega}\) 28'18 0° \( \overline{\Omega}\) 10° \( \overline{\Omega}\) 40'45 3° \( \overline{\Omega}\) 30'6'10 2° \( \overline{\Omega}\) 3'6'44 0° \( \overline{\Omega}\) 3'6'44 0° \( \overline{\Omega}\) 40'17 0° \( \overline{\Omega}\) 40'17 0° \( \overline{\Omega}\) 3'8'25	0°42'10 0°41'32 0.60268 AU 27°51'50 1.31304 AU 1°23'05 1°23'43 25°43'19 0.57491 AU -4°42'27	asc. node  evening max el retrograde evening set inferior conj minimum elong min. Earth dist. morning rise desc. node direct morning max el  morning set asc. node max. Earth dist. superior conj minimum elong evening rise desc. node evening max el retrograde	13433 Jul 08 08:09 13433 Jul 17 03:14 13433 Jul 23 06:04 13433 Jul 26 01:44 13433 Aug 03 13:29 13433 Aug 09 23:22 13433 Aug 12 15:46 13433 Aug 18 23:21 13433 Aug 19 01:48 13433 Aug 21 19:27 13433 Aug 25 09:36 13433 Aug 25 07:11 13433 Sep 01 01:54 13433 Sep 15 03:49 13433 Oct 01 17:35 13433 Oct 18 14:46 13433 Oct 19 08:08 13433 Oct 19 08:02 13433 Oct 24 14:46  13433 Oct 26 19:48 13433 Nov 01 13:48 13433 Nov 02 16:48 13433 Nov 02 16:48 13433 Nov 27 08:31 13433 Dec 10 23:44	0° N 14° N53'45 25° N20'34 0° m 11° m35'18 14° m55'48 14° m19'17 9° m06'23 8° m59'54 6° m07'37 2° m56'59 3° m01'23 0° m30'57 8° m32'33 0° Ω 0° m 1° m27'58 1° m27'58 1° m27'58 1° m21'53 0° ¾ 2° ¾26'17 0° ♂ 5° ♂ 18'31 12° ♂ 23'06 19° ♂ 10'46	1°47'40 1°46'27 0.62542 AU 27°55'24 1.31897 AU 1°07'03 1°07'23

minimum elong	13433 Dec 24 05:03	13° <b>る</b> 54'08	5°39'24	minimum elong	13434 Dec 03 18:46	24° <b>∡</b> °26′05	5°53'31
morning rise	13434 Jan 01 12:22	10° <b>පි</b> 04'21		morning rise	13434 Dec 12 07:37	20° <b>∡</b> ³35′02	
direct	13434 Jan 04 00:37	9° <b>ප්</b> 48'03		direct	13434 Dec 15 14:16	20° <b>∡</b> 10'44	
morning max el	13434 Jan 14 06:57	14° <b>る</b> 43'45	19°54'44	morning max el	13434 Dec 27 09:34	25° <b>∡</b> ¹49'17	21°21'18
asc. node	13434 Jan 15 07:49	15° <b>る</b> 46'32		, and the second	13434 Dec 31 05:11	0°₹	
	13434 Jan 25 02:28	0°≈		asc. node	13435 Jan 02 05:04	2° <b>る</b> 36'38	
morning set	13434 Feb 01 02:11	13° <b>≈</b> 33'03		morning set	13435 Jan 16 11:24	28° <b>ろ</b> 16'28	
morning set	13434160 01 02.11	13 ~33 03		morning set		28 <b>⊘</b> 1028	
	12424 F 1 00 21 10	20021144	100212.4		13435 Jan 17 07:11	0 ≈	
superior conj	13434 Feb 08 21:18	29° <b>≈</b> 21'44	1°03'34				
minimum elong	13434 Feb 09 00:04	29° <b>≈</b> 35'30	1°03'48	superior conj	13435 Jan 23 17:31	13° <b>≈</b> 31′10	
	13434 Feb 09 05:00	0° <b>∀</b>		minimum elong	13435 Jan 23 19:51		1°22'18
max. Earth dist.	13434 Feb 14 21:05	10° <b>∺</b> 56′29	1.37165 AU	max. Earth dist.	13435 Jan 28 07:38		1.35119 AU
desc. node	13434 Feb 17 03:59	15° <b>)</b> €09'50		evening rise	13435 Feb 01 09:51	0° <b>)</b> 46′12	
evening rise	13434 Feb 18 14:47	17° <b>) √</b> 46′56			13435 Feb 01 00:04	0° <b>∀</b>	
	13434 Feb 25 17:34	$0^{\circ}\mathbf{\Upsilon}$		desc. node	13435 Feb 04 00:34	5° <b>)</b> 36′49	
	13434 Mar 18 09:20	$9^{\circ}$ 8			13435 Feb 18 19:45	$0^{\circ}\mathbf{\Upsilon}$	
evening max el	13434 Mar 26 02:44	8° <b>8</b> 40'15	25°30'46	evening max el	13435 Mar 08 16:34	22° <b>Y</b> '27'56	26°33'55
retrograde	13434 Apr 07 10:04	15° <b>8</b> 46'39		retrograde	13435 Mar 21 17:38	29° <b>Ƴ</b> 49'48	
evening set	13434 Apr 13 08:09	13° <b>8</b> 19'39		evening set	13435 Mar 28 02:16	27° <b>Υ</b> 17'58	
asc. node	13434 Apr 13 04:28	13° <b>8</b> 27'20		asc. node	13435 Mar 31 01:55	24°Υ24'00	
min. Earth dist.	13434 Apr 17 15:45	8° <b>8</b> 36'19	0.67731 AU	min. Earth dist.	13435 Apr 01 04:01	23° <b>Y</b> '09'16	0.66503 AU
	13434 Apr 19 01:05	6° <b>8</b> 49'07	1°44'14			20° <b>Υ</b> 52'22	0.00303 AO
inferior conj		_		inferior conj	13435 Apr 03 01:42		
minimum elong	13434 Apr 18 23:02	6° <b>8</b> 55'44	1°43'02	minimum elong	13435 Apr 03 00:20	20°Υ′56'28	0°55'08
morning rise	13434 Apr 24 14:23	0° <b>8</b> 57'20		morning rise	13435 Apr 08 23:26	15° <b>Y</b> 11'33	
	13434 Apr 26 15:16	30° <b>₹Ƴ</b>		direct	13435 Apr 12 00:09	14° <b>Y</b> ′20′15	
direct	13434 Apr 28 01:35	29° <b>Y</b> ′48′22		morning max el	13435 Apr 18 10:53		18°21'38
	13434 Apr 29 12:38	$9^{\circ}$ 8			13435 Apr 27 19:22	$0^{\circ}S$	
morning max el	13434 May 04 22:50	3° <b>8</b> 33'13	19°04'55	desc. node	13435 May 03 02:54	8° <b>8</b> 14'48	
desc. node	13434 May 16 06:11	18° <b>8</b> 15'48		morning set	13435 May 08 11:37	16° <b>8</b> 45'06	
greatest brilliancy	13434 May 18 01:03	20° <b>8</b> 55'31	-0.7m		13435 May 16 20:39	$\Pi^{\circ}0$	
	13434 May 24 00:11	$\Pi^{\circ}0$					
morning set	13434 May 28 10:05	6° <b>Ⅱ</b> 48′03		superior conj	13435 May 24 03:23	11° <b>Ⅲ</b> 24'27	-2°02'25
max. Earth dist.	13434 Jun 11 02:29	28° <b>Ⅱ</b> 04'49	1.45454 AU	minimum elong	13435 May 23 19:58	10° <b>Ⅱ</b> 55'30	2°02'56
	13434 Jun 12 07:49	0°ಅ		max. Earth dist.	13435 May 24 22:14	12° <b>Ⅲ</b> 38′04	1.45847 AU
					13435 Jun 05 01:09	0°9	
superior conj	13434 Jun 13 19:26	2°\$20'07	-2°13'34	evening rise	13435 Jun 09 01:29	6° <b>©</b> 17'14	
minimum elong	13434 Jun 13 19:09	2° <b>©</b> 19'00		greatest brilliancy	13435 Jun 19 00:16	21° <b>5</b> 48'43	-0.8m
evening rise	13434 Jun 28 14:35	26° <b>©</b> 05'22	2 1430	greatest oriniancy	13435 Jun 24 11:56	0°Ω	0.0111
evening rise	13434 Jul 01 00:01	0°Ω		aca mada	13435 Jun 26 23:44	3° <b>Ω</b> 26'43	
asc. node	13434 Jul 10 02:51	14° <b>Ω</b> 37'02		asc. node	13435 Jul 01 14:19	8°Ω53'22	10056140
			10022105	evening max el			18 30 49
evening max el	13434 Jul 18 03:23	25° <b>Ω</b> 09'29	18°22'05	retrograde	13435 Jul 08 08:15	12° <b>Ω</b> 36'04	
retrograde	13434 Jul 24 12:53	28° <b>Ω</b> 34'23		evening set	13435 Jul 11 18:12	11° <b>Ω</b> 28'41	
evening set	13434 Jul 27 13:55	27° <b>Ω</b> 43'12		inferior conj	13435 Jul 17 06:33	5° <b>Ω</b> 44'19	
inferior conj	13434 Aug 02 10:04	22° <b>Ω</b> 13'49	2°32'12	minimum elong	13435 Jul 17 08:05	5° <b>Ω</b> 39'26	
minimum elong	13434 Aug 02 12:23	22° <b>Ω</b> 07′00	2°30'57	min. Earth dist.	13435 Jul 18 22:46	3° <b>Ω</b> 36'49	0.66370 AU
min. Earth dist.	13434 Aug 04 16:54	19° <b>Ω</b> 33'41	0.64629 AU		13435 Jul 22 03:54	30° <b>₹</b> 5	
morning rise	13434 Aug 08 09:31	15° <b>Ω</b> 53'35		morning rise	13435 Jul 22 21:16	29° <b>5</b> 20'21	
desc. node	13434 Aug 12 04:41	13° <b>Ω</b> 42'40		direct	13435 Jul 29 03:16	26° <b>5</b> 340'18	
direct	13434 Aug 14 23:00	13° <b>Ω</b> 15'33		desc. node	13435 Jul 30 02:07	26° <b>©</b> 43'38	
morning max el	13434 Aug 28 14:01	21° <b>Ω</b> 13'39	27°23'22		13435 Aug 06 03:44	$0^{\circ}\Omega$	
	13434 Sep 05 04:50	o° mp		morning max el	13435 Aug 11 01:08	4° <b>Ω</b> 21′07	26°23'08
	13434 Sep 24 21:16	0∘ <b>⊽</b>			13435 Aug 30 15:02	o∘ <b>m</b> y	
morning set	13434 Oct 02 21:46	14° <b>≏</b> 54'32		morning set	13435 Sep 15 23:22	27° <b>m</b> 46'30	
asc. node	13434 Oct 06 04:39	21° <b>Ω</b> 29'15			13435 Sep 17 03:40	0∘ <b>⊽</b>	
max. Earth dist.	13434 Oct 07 10:49	24° <b>Ω</b> 04'17	1.33033 AU	max. Earth dist.	13435 Sep 19 21:09	ა <b>—</b> 5° <b>ჲ</b> 16'05	1.34688 AU
max. Lattii dist.	13434 Oct 10 06:38	0°M	1.55055 AC	asc. node	13435 Sep 23 01:15	11° <b>≏</b> 35'28	1.54000 AC
	13434 Oct 10 00.38	O IIG		asc. node	13433 Sep 23 01.13	11 = 33 28	
superior con-	13/13/1 Opt 11 02:20	10 <b>m</b> 16122	0°45'25	superior coni	12/25 Can 25 00:25	150.0.26121	0°18'30
superior conj	13434 Oct 11 02:38	1°M46'33	0°45'25	superior conj	13435 Sep 25 00:25	15° <b>Ω</b> 36'31	
minimum elong	13434 Oct 11 00:38	1°M35'50	0°45'31	minimum elong	13435 Sep 24 23:24	15° <b>≏</b> 31'20	0°18'29
evening rise	13434 Oct 18 03:46	16°M56'48			13435 Oct 01 21:30	0°M	
	13434 Oct 24 13:26	0° <b>∡</b>		evening rise	13435 Oct 02 12:54	1° <b>M</b> 20′27	
desc. node	13434 Nov 08 00:56	21° <b>≯</b> 38'44			13435 Oct 19 01:55	0° <b>∡</b> 7	
evening max el	13434 Nov 08 19:07	22° <b>≯</b> 24'18	22°27'25	evening max el	13435 Oct 21 13:45	2° <b>х</b> ⁴43'36	20°53'50
retrograde	13434 Nov 21 16:25	28° <b>∡</b> ⁴47'43		desc. node	13435 Oct 25 22:18	6° <b>∡</b> 14'54	
evening set	13434 Nov 25 07:10	28° <b>₰</b> 19'06		retrograde	13435 Nov 02 03:01	8° <b>∡</b> °28'09	
min. Earth dist.	13434 Dec 03 02:35	24° <b>₹</b> 148'54	0.54722 AU	evening set	13435 Nov 04 13:30	8° <b>∡</b> 13'56	
inferior conj	13434 Dec 03 21:18	24° <b>₹</b> 22'31	-5°54'40	inferior conj	13435 Nov 13 12:41	4° <b>₹</b> 20'04	-5°08'28
-				-			

	1010531 10 00 16	10 30005	5005121		124268 15 15 5	1.50.0.00141	
minimum elong	13435 Nov 13 03:16	4° <b>х</b> ³33′27		evening rise	13436 Sep 15 17:54	15° <b>Ω</b> 30'41	
min. Earth dist.	13435 Nov 14 08:43	3°×751'33	0.54552 AU		13436 Sep 23 05:54	0°M	10020106
morning rise	13435 Nov 21 17:18	0° <b>∡</b> 726'36		evening max el	13436 Oct 02 22:09	13°M46'05	19°39'06
1' '	13435 Nov 23 15:54	30°RM.		desc. node	13436 Oct 11 19:44	18°M40'04 18°M43'02	
direct	13435 Nov 25 22:02 13435 Nov 28 03:27	29°M48'52 0°⊀		retrograde evening set	13436 Oct 12 19:59 13436 Oct 14 17:25	18°M33'00	
morning max el	13435 Nov 28 03.27 13435 Dec 08 23:55	0 <b>x</b> . 6° <b>∡</b> 108'18	23°05'29	inferior conj	13436 Oct 14 17.23 13436 Oct 23 12:02	14°M29'17	2024156
asc. node	13435 Dec 08 23.33 13435 Dec 20 02:11	20° × 25'33	23 03 29	minimum elong	13436 Oct 23 12.02 13436 Oct 23 03:04		3°31'13
asc. Houe	13435 Dec 25 12:31	20 x 23 33		min. Earth dist.	13436 Oct 25 17:41		0.55316 AU
morning set	13435 Dec 25 12:51 13435 Dec 31 22:53	13°る02'55		morning rise	13436 Oct 31 10:54	10°M09'12	0.55510 AU
morning set	13433 Dec 31 22.33	13 002 33		direct	13436 Nov 05 12:32	9°M12'11	
superior conj	13436 Jan 07 21:07	27°る59'20	1°33'02	morning max el	13436 Nov 19 09:46	16°M07'29	24°53'57
minimum elong	13436 Jan 07 22:32	28° <b>る</b> 06'54	1°33'55	morning max er	13436 Nov 30 13:13	0° <b>√</b>	24 33 37
minimum crong	13436 Jan 08 19:40	0°≈	1 33 33	asc. node	13436 Dec 05 23:11	8° <b>×</b> 758'18	
max. Earth dist.	13436 Jan 11 01:28	4° <b>≈</b> 44'25	1.33426 AU	morning set	13436 Dec 15 10:43	27° <b>×7</b> 46'19	
evening rise	13436 Jan 15 18:13	14° <b>≈</b> 18'12	-100 120 120		13436 Dec 16 11:30	0°ਰ	
desc. node	13436 Jan 21 21:14	25° <b>≈</b> 52'32				• •	
	13436 Jan 24 05:06	0° <b>∀</b>		superior conj	13436 Dec 22 05:28	12° <b>る</b> 38'07	1°37'57
	13436 Feb 13 15:50	0° <b>Υ</b>		minimum elong	13436 Dec 22 05:47		1°38'58
evening max el	13436 Feb 19 06:01	6° <b>Y</b> ′00'26	27°17'07	max. Earth dist.	13436 Dec 24 02:36	16° <b>ප්</b> 45'09	1.32177 AU
retrograde	13436 Mar 03 18:58	13° <b>Y</b> 27'30		evening rise	13436 Dec 29 12:41	28° <b>る</b> 14'23	
evening set	13436 Mar 10 12:02	10° <b>Y</b> ′56′32			13436 Dec 30 09:25	0° <b>≈</b>	
min. Earth dist.	13436 Mar 14 09:05	7° <b>Y</b> ′20'27	0.64893 AU	desc. node	13437 Jan 07 18:00	15° <b>≈</b> 51'09	
inferior conj	13436 Mar 16 18:49	4° <b>Y</b> '42'26	-0°03'42		13437 Jan 16 09:54	0° <b>)</b>	
minimum elong	13436 Mar 16 18:55	4° <b>Ƴ</b> 42'09	0°03'38	evening max el	13437 Jan 31 17:26	19° <b>)</b> 05′50	27°33'37
transit middle	13436 Mar 16 18:55	4° <b>Y</b> '42'09	0°03'38	retrograde	13437 Feb 14 13:24	26° <b>)</b> € 30'38	
transit begin	13436 Mar 16 15:57	4° <b>Y</b> 50'19		evening set	13437 Feb 21 11:01	24° <b>)</b> €07'44	
transit end	13436 Mar 16 21:53	4° <b>Y</b> 34'00		min. Earth dist.	13437 Feb 25 05:11	21° <b>∺</b> 00′11	0.62960 AU
asc. node	13436 Mar 16 23:25	4° <b>Y</b> 29'49		inferior conj	13437 Feb 28 01:32	18° <b>¥</b> 12′28	-1°14'27
	13436 Mar 21 19:33	30° <b>Ŗ</b> ₩		minimum elong	13437 Feb 28 04:00	18° <b>¥</b> 06′23	1°13'07
morning rise	13436 Mar 23 03:35	29° <b>)</b> 15′00		asc. node	13437 Mar 03 20:53	14° <b>) (</b> 47′28	
direct	13436 Mar 25 19:04	28° <b>∺</b> 38′20		morning rise	13437 Mar 06 23:34	13° <b>米</b> 01′02	
	13436 Mar 29 19:02	$0^{\circ}$ $\Upsilon$		direct	13437 Mar 09 07:22	12° <b>∺</b> 35'31	
morning max el	13436 Apr 01 03:15	1° <b>Y</b> 55'41	17°55'16	morning max el	13437 Mar 15 21:03	15° <b>¥</b> 56'32	17°46'20
morning set	13436 Apr 18 17:27	28° <b>Y</b> ′04'54			13437 Mar 25 20:25	0° <b>Υ</b>	
desc. node	13436 Apr 18 23:30	28° <b>Y</b> ′29'54		morning set	13437 Apr 01 00:40	10° <b>Y</b> 37'15	
	13436 Apr 19 21:16	0° <b>8</b>		desc. node	13437 Apr 05 20:03	18° <b>Y</b> ′56′23	
					13437 Apr 12 09:11	0°B	
superior conj	13436 May 02 17:41	20° <b>8</b> 52'02			10.407 4 10.04.10	101110110	0055101
minimum elong	13436 May 02 08:46	20° <b>8</b> 16'37		superior conj	13437 Apr 13 04:12	1° <b>8</b> 18'42	
max. Earth dist.	13436 May 06 18:30	27° <b>8</b> 14'27	1.45484 AU	minimum elong	13437 Apr 12 22:42	0° <b>8</b> 55'58	
	13436 May 08 12:45	0°Ⅱ 150Ⅲ47/25		max. Earth dist.	13437 Apr 19 12:25	_	1.44415 AU
evening rise	13436 May 18 17:38	15° <b>Ⅱ</b> 47'35 0° <b>⑤</b>		evening rise	13437 Apr 28 05:08	25° <b>8</b> 14'32 0° <b>Ⅱ</b>	
greatest brilliancy	13436 May 28 01:49 13436 Jun 02 02:52	0 ᢒ 7°529'01	-0.6m		13437 May 01 07:48 13437 May 22 05:21	0°©	
asc. node	13436 Jun 12 20:43	21°539'56	-0.0111	evening max el	13437 May 27 20:11	6° <b>9</b> 29'47	20052140
evening max el	13436 Jun 13 20:11	22°541'00	19°47'46	asc. node	13437 May 27 20:11 13437 May 30 17:48	9°904'50	20 32 48
retrograde	13436 Jun 21 06:33	26°953'45	17 47 40	retrograde	13437 Jun 05 05:33	11°9521'57	
evening set	13436 Jun 25 01:57	25°\$29'35		evening set	13437 Jun 09 11:04	9°9541'13	
inferior conj	13436 Jun 30 09:43	19° <b>©</b> 31'43	3°11'14	inferior conj	13437 Jun 14 17:05	3°931'27	3°11'03
minimum elong	13436 Jun 30 10:14	19° <b>5</b> 29'58	3°10'12	minimum elong	13437 Jun 14 16:35	3°933'09	3°10'00
min. Earth dist.	13436 Jul 01 11:31	18° <b>©</b> 05'08	0.67682 AU	min. Earth dist.	13437 Jun 15 05:09	2°9549'38	0.68530 AU
morning rise	13436 Jul 05 18:09	13° <b>©</b> 08'39			13437 Jun 17 08:03	30°R <b>Ⅱ</b>	
direct	13436 Jul 11 13:37	10° <b>©</b> 35'25		morning rise	13437 Jun 19 21:52	27° <b>Ⅱ</b> 12'22	
desc. node	13436 Jul 15 23:27	11° <b>5</b> 647'08		direct	13437 Jun 25 05:12	24° <b>Ⅱ</b> 52'39	
morning max el	13436 Jul 23 11:45	17° <b>5</b> 644'10	25°03'45	desc. node	13437 Jul 02 20:39	28° <b>Ⅲ</b> 26′20	
-	13436 Aug 02 18:26	$0^{\circ}\Omega$			13437 Jul 04 14:58	0ಂಣ	
	13436 Aug 22 15:19	0° m/y		morning max el	13437 Jul 05 22:12	1° <b>©</b> 16'11	23°35'06
morning set	13436 Aug 28 08:51	9° m 53'46			13437 Jul 27 16:34	$0^{\circ}\Omega$	
max. Earth dist.	13436 Aug 31 22:45	16° Mp 23'20	1.36772 AU	morning set	13437 Aug 09 21:42	21° <b>Ω</b> 05'49	
				max. Earth dist.	13437 Aug 13 20:24	27° <b>Q</b> 52'25	1.39098 AU
superior conj	13436 Sep 07 12:20	28° <b>m</b> 56'11			13437 Aug 15 01:25	0° <b>™</b>	
minimum elong	13436 Sep 07 13:10	29° <b>m</b> 00'18	0°12'58				
behind sun begin	13436 Sep 07 09:16	$28^{\circ}$ Mp $41'07$		superior conj	13437 Aug 21 10:47	11° <b>m</b> 37'29	-0°47'30
behind sun end	13436 Sep 07 17:04	29° <b>m</b> 19'30		minimum elong	13437 Aug 21 14:13	11° <b>m</b> 53'31	0°47'21
	13436 Sep 08 01:16	0∘ <b>⊽</b>		asc. node	13437 Aug 26 18:21	21°M/45'16	
asc. node	13436 Sep 08 21:47	1° <b>≏</b> 41'51		evening rise	13437 Aug 30 16:02	29° <b>m</b> 20'45	

	13437 Aug 31 00:07	0∘ <b>亚</b>		asc. node	13438 Aug 13 14:57	11° <b>m</b> 41'40	
evening max el	13437 Sep 15 19:57	25° <b>≏</b> 37'48	18°46'16	evening rise	13438 Aug 14 03:46	12°Mp41'12	
retrograde	13437 Sep 24 05:09	29° <b>ჲ</b> 50'37			13438 Aug 23 22:09	0∘ <b>⊽</b>	
evening set	13437 Sep 26 02:45	29° <b>Ω</b> 38'25		evening max el	13438 Aug 30 03:22	8° <b>≙</b> 11'15	18°14'43
desc. node	13437 Sep 28 17:12	28° <b>£</b> 45'28	1045104	retrograde	13438 Sep 06 09:29	11° <b>Ω</b> 52'12	
inferior conj	13437 Oct 04 06:10 13437 Oct 04 01:48	25° <b>≙</b> 16'42 25° <b>≙</b> 24'41	1°43'19	evening set	13438 Sep 08 13:18 13438 Sep 15 22:09	11° <b>≙</b> 33'17 6° <b>≙</b> 50'35	0°05'40
minimum elong min. Earth dist.	13437 Oct 04 01:48 13437 Oct 07 08:02	23° <b>£</b> 2441 23° <b>£</b> 02'40	0.56884 AU	inferior conj minimum elong	13438 Sep 15 22:09 13438 Sep 15 21:57	6° <b>£</b> 50'55	0°05'42
morning rise	13437 Oct 11 21:30	20° <b>⊆</b> 19'34	0.30004 710	transit middle	13438 Sep 15 21:57	6° <b>£</b> 51'01	0°05'42
direct	13437 Oct 17 17:20	18° <b>£</b> 57'06		transit begin	13438 Sep 15 18:43	6° <b>£</b> 57'54	
morning max el	13437 Oct 31 23:08	26° <b>£</b> 20'54	26°28'02	transit end	13438 Sep 16 01:10	6° <b>£</b> 44'08	
	13437 Nov 04 10:40	$0^{\circ}$ M.		desc. node	13438 Sep 15 14:41	7° <b>ჲ</b> 06'26	
asc. node	13437 Nov 22 20:04	28°M03'54		min. Earth dist.	13438 Sep 19 05:34	4° <b>ഫ</b> 02'33	0.58968 AU
	13437 Nov 23 20:15	0° <b>∡</b> ¹		morning rise	13438 Sep 23 03:09	1° <b>≏</b> 18'31	
morning set	13437 Nov 29 21:12	12° <b>≯</b> 22'05			13438 Sep 26 02:19	30°₹ <b>™</b>	
	12427 D 07 17 25	270 721114	1027147	direct	13438 Sep 29 12:07	29° m/28'23	
superior conj	13437 Dec 06 16:25	27° <b>₹</b> 121'14 27° <b>₹</b> 17'05	1°36'47		13438 Oct 02 23:54 13438 Oct 13 19:46	0° <b>ჲ</b> 7° <b>ჲ</b> 12'30	27922102
minimum elong max. Earth dist.	13437 Dec 06 15:40 13437 Dec 07 08:57	28° <b>x</b> 1703	1°37'46 1.31429 AU	morning max el	13438 Oct 13 19:46 13438 Oct 30 23:45	0°M	27-32-03
max. Earth dist.	13437 Dec 07 08:57	20 × 33 21	1.31429 AU	asc. node	13438 Nov 09 16:52	17°M33'48	
evening rise	13437 Dec 13 14:33	0 <b>3</b> 12° <b>る</b> 28'13		morning set	13438 Nov 14 04:37	26°M45'57	
<i>y</i>	13437 Dec 22 12:44	0° <b>≈</b>		5 5 5	13438 Nov 15 16:55	0° <b>∡</b> 7	
desc. node	13437 Dec 25 14:51	5° <b>≈</b> 25'17		max. Earth dist.	13438 Nov 20 17:24	11° <b>х¹</b> 03'49	1.31199 AU
	13438 Jan 12 11:24	0° <b>)</b>					
evening max el	13438 Jan 14 00:35	1° <b>)</b> 31′35	27°17'44	superior conj	13438 Nov 21 04:03	12° <b>∡</b> 03'19	1°29'45
retrograde	13438 Jan 27 23:42	8° <b>)</b> 48'42		minimum elong	13438 Nov 21 02:26	11° <b>∡</b> 754'15	1°30'33
evening set	13438 Feb 03 20:05	6° <b>)</b> 42′25		evening rise	13438 Nov 27 21:33	26° <b>₹</b> 54'08	
min. Earth dist.	13438 Feb 07 15:09		0.60821 AU		13438 Nov 29 08:32	0°る	
inferior conj	13438 Feb 10 18:28	1° <b>光</b> 13'05 1° <b>光</b> 01'07		desc. node	13438 Dec 12 11:48	24°る25'38 0°≈	
minimum elong	13438 Feb 10 23:59 13438 Feb 12 04:44	1°π0107 30°R≈	2-31-44	evening max el	13438 Dec 16 03:38 13438 Dec 27 01:03	0°≈ 13°≈08'24	26°27'05
morning rise	13438 Feb 18 06:59	26°≈20'26		retrograde	13439 Jan 10 00:05	20°≈14'54	20 27 03
asc. node	13438 Feb 18 18:19	26°≈13'17		evening set	13439 Jan 16 11:24	18°≈33'02	
direct	13438 Feb 20 09:24	26°≈02'20		min. Earth dist.	13439 Jan 20 14:45	15° <b>≈</b> 56′23	0.58657 AU
morning max el	13438 Feb 27 12:52	29° <b>≈</b> 37'29	17°55'37	inferior conj	13439 Jan 23 18:01	13° <b>≈</b> 34'57	-3°57'42
	13438 Feb 27 21:51	0° <b>∀</b>		minimum elong	13439 Jan 24 02:16	13° <b>≈</b> 19′24	3°54'15
morning set	13438 Mar 15 03:00	24° <b>)</b> €02'48		morning rise	13439 Jan 31 20:07	9° <b>≈</b> 03'23	
	13438 Mar 18 09:24	$0^{\circ}\mathbf{\Upsilon}$		direct	13439 Feb 02 21:05	8° <b>≈</b> 49'00	
desc. node	13438 Mar 23 16:33	9° <b>Ƴ</b> 29'34		asc. node	13439 Feb 05 15:43	9°≈16'59	
:	12429 M 25 14.52	1200052122	0015114	morning max el	13439 Feb 10 23:01	12°≈48′10	18°24'34
superior conj minimum elong	13438 Mar 25 14:53 13438 Mar 25 13:33	12° <b>Y</b> 52'23 12° <b>Y</b> 46'33	-0°15'14 0°15'09	morning set	13439 Feb 22 11:54 13439 Feb 26 18:53	0° <b>∺</b> 8° <b>∺</b> 04'55	
behind sun begin	13438 Mar 25 10:56	12° <b>Y</b> 35'09	0 1309	morning set	13439 100 20 16.33	6 <b>1</b> (0433	
behind sun end	13438 Mar 25 16:10	12° <b>Υ</b> 57'56		superior conj	13439 Mar 07 23:23	25° <b>¥</b> 25'50	0°20'33
max. Earth dist.	13438 Apr 02 02:04	25° <b>Ƴ</b> 30'13	1.42760 AU	minimum elong	13439 Mar 08 00:51	25° <b>)</b> €32'30	0°20'30
	13438 Apr 04 20:17	0°8			13439 Mar 10 11:46	$0^{\circ}\mathbf{\Upsilon}$	
evening rise	13438 Apr 08 03:20	5° <b>8</b> 15'33		desc. node	13439 Mar 10 13:05	0° <b>Y</b> 05'57	
	13438 Apr 24 14:44	$\Pi^{\circ}0$		max. Earth dist.	13439 Mar 15 11:31	8° <b>Ƴ</b> 45'50	1.40696 AU
evening max el	13438 May 10 14:55	20° <b>Ⅱ</b> 19'10	22°08'15	evening rise	13439 Mar 19 21:07	16° <b>Y</b> 09'58	
asc. node	13438 May 17 14:59	25° <b>Ⅱ</b> 25'50			13439 Mar 28 14:04	0°8	
retrograde	13438 May 20 03:21	25° <b>I</b> I54'52			13439 Apr 19 09:24	0°II	22020154
evening set inferior conj	13438 May 24 19:46 13438 May 30 02:26	23° <b>Ⅲ</b> 58'24 17° <b>Ⅲ</b> 38'47	2°59'57	evening max el retrograde	13439 Apr 23 06:11 13439 May 03 22:31	4° <b>Ⅱ</b> 10'37 10° <b>Ⅱ</b> 27'41	23°28'54
minimum elong	13438 May 30 02.20	17 <b>II</b> 3847	2°58'48	asc. node	13439 May 04 12:15	10 <b>H</b> 2/41 10° <b>H</b> 26'11	
min. Earth dist.	13438 May 30 01:26	17° <b>Ⅱ</b> 42'18	0.68906 AU	evening set	13439 May 09 02:30	8° <b>I</b> 17'02	
morning rise	13438 Jun 04 06:12	11° <b>II</b> 25'40	0.00900110	inferior conj	13439 May 14 11:51	1° <b>П</b> 50'15	2°38'38
direct	13438 Jun 09 00:49	9° <b>Ⅱ</b> 24'07		minimum elong	13439 May 14 09:55	1° <b>Ⅱ</b> 56'55	
morning max el	13438 Jun 18 10:38	14° <b>Ⅱ</b> 55'14	22°06'27	min. Earth dist.	13439 May 13 22:09	2° <b>Ⅱ</b> 37'21	0.68811 AU
desc. node	13438 Jun 19 17:46	16° <b>Ⅱ</b> 16′06			13439 May 15 20:21	30° <b>₹</b> 8	
	13438 Jun 30 15:36	0ංම		morning rise	13439 May 19 17:16	25° <b>8</b> 44'33	
	13438 Jul 20 15:56	0° <b>Ω</b>		direct	13439 May 23 23:12	24° <b>8</b> 03'30	
morning set	13438 Jul 21 09:57	1° <b>Ω</b> 12'16	1 41 40 4 4 7 7	morning max el	13439 Jun 01 04:24	28° <b>8</b> 44'47	20°45'29
max. Earth dist.	13438 Jul 26 20:38	10° <b>Ω</b> 07'39	1.41404 AU	daga rada	13439 Jun 02 09:32	0°Ⅱ 4°Ⅱ57'42	
superior conj	13438 Aug 03 15:26	23° <b>Ω</b> 30'13	-1°22'09	desc. node	13439 Jun 06 14:47 13439 Jun 24 05:21	4°Ш3/742 0°©	
minimum elong	13438 Aug 03 13.20	$23^{\circ}\Omega50^{\circ}13$		morning set	13439 Jun 30 22:38	10° <b>©</b> 17'39	
	13438 Aug 07 06:29	0° m		max. Earth dist.	13439 Jul 09 03:51	23°9518'21	1.43416 AU
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	13439 Jul 13 06:16	$0^{\circ}\Omega$		max. Earth dist.	13440 Jun 20 17:45	7°©14'19	1.44897 AU
superior conj	13439 Jul 15 22:02	4° <b>Ω</b> 25'11	-1°52'08	superior conj	13440 Jun 25 04:55	14°520'43	-2°10'43
minimum elong	13439 Jul 16 05:11	4° <b>Ω</b> 55′08	1°52'24	minimum elong	13440 Jun 25 08:45	14°936'06	2°11'38
evening rise	13439 Jul 28 00:37	25° <b>Ω</b> 20'53			13440 Jul 04 19:04	$0^{\circ}\Omega$	
	13439 Jul 30 15:52	0° <b>m</b>		evening rise	13440 Jul 09 01:36	7° <b>Ω</b> 08'19	
asc. node	13439 Jul 31 11:35	1° <b>™</b> 26'41		asc. node	13440 Jul 17 08:20	20° <b>Ω</b> 55'43	
evening max el	13439 Aug 13 16:09	21°M/15'26	18°02'56		13440 Jul 23 08:04	0° <b>m</b>	
retrograde	13439 Aug 20 06:19	24° <b>m</b> 39'14		evening max el	13440 Jul 27 06:34	4° Mp 41'14	18°09'51
evening set	13439 Aug 22 18:04	24° Mp 09'52		retrograde	13440 Aug 02 15:10	8° Mp 02′06	
inferior conj	13439 Aug 29 09:52	19° <b>m</b> 07'07	1°12'44	evening set	13440 Aug 05 11:11	7° <b>m</b> 19'32	
minimum elong	13439 Aug 29 11:52	19° <b>m</b> 02'13	1°11'45	inferior conj	13440 Aug 11 13:25	1° <b>m</b> 59'04	2°08'56
min. Earth dist.	13439 Sep 01 11:54	16° Mp 06'23	0.61252 AU	minimum elong	13440 Aug 11 15:56	1° m/52'06	2°07'39
desc. node	13439 Sep 02 12:15	15° m 11'05		i Patra	13440 Aug 13 08:16	30°R <b>Ω</b>	0.62464.444
morning rise direct	13439 Sep 05 02:58	13° Mp 08'30		min. Earth dist.	13440 Aug 14 04:02	29° <b>Ω</b> 06'26 25° <b>Ω</b> 43'56	0.63464 AU
morning max el	13439 Sep 11 18:24 13439 Sep 25 23:39	10° Mp 53'55 18° Mp 50'55	27050102	morning rise desc. node	13440 Aug 17 18:52 13440 Aug 19 09:46	23 <b>δ l</b> 43 36 24° <b>Ω</b> 38'20	
morning max er	13439 Sep 23 23:39 13439 Oct 05 10:06	0° <b>⊽</b>	27 38 03	direct	13440 Aug 19 09:40 13440 Aug 24 10:29	24 <b>δι</b> 38 20 23° <b>Ω</b> 11'58	
	13439 Oct 03 10:00 13439 Oct 23 19:58	0°ML		direct	13440 Aug 24 10.29 13440 Sep 06 02:31	0°m	
asc. node	13439 Oct 27 13:35	7°M20'16		morning max el	13440 Sep 07 08:37	1° <b>m</b> ) 13'16	27°45'49
morning set	13439 Oct 29 07:00	10°ML52'06		morning max or	13440 Sep 28 14:22	0∘ <del>ত</del>	27 13 15
max. Earth dist.	13439 Nov 04 00:09	23°ML06'18	1.31494 AU	morning set	13440 Oct 12 02:06	24° <b>£</b> 35'23	
				asc. node	13440 Oct 13 10:15	27° <b>£</b> 18′02	
superior conj	13439 Nov 05 14:29	26°M37'51	1°16'58		13440 Oct 14 17:45	0° <b>M</b> .	
minimum elong	13439 Nov 05 12:19	26°M25'51	1°17'29	max. Earth dist.	13440 Oct 17 01:18	4°M51'36	1.32322 AU
	13439 Nov 07 02:55	0° <b>∡</b> ¹					
evening rise	13439 Nov 12 07:32	11° <b>∡</b> ¹25'39		superior conj	13440 Oct 19 21:49	10°M59'53	0°58'32
	13439 Nov 21 14:23	8°0		minimum elong	13440 Oct 19 19:34	10°M47'43	0°58'46
desc. node	13439 Nov 29 08:54	12° <b>る</b> 38'32		evening rise	13440 Oct 26 18:43	25°M58'06	
evening max el	13439 Dec 08 17:02	23° <b>る</b> 52'37	25°05'38		13440 Oct 28 16:14	0° <b>∡</b> ¹	
	13439 Dec 17 23:02	0° <b>≈</b>		desc. node	13440 Nov 15 06:06	29° <b>∡</b> ¹46′21	
retrograde	13439 Dec 22 12:25	0° <b>≈</b> 47'49			13440 Nov 15 10:38	0°ਰ	
	13439 Dec 27 02:34	30°₹₹		evening max el	13440 Nov 19 03:06	3° <b>る</b> 59'16	23°25'53
evening set	13439 Dec 28 04:45	29° <b>る</b> 35'23	0.56700 ATT	retrograde	13440 Dec 02 12:10	10°る38'40	
min. Earth dist.	13440 Jan 02 05:01	26° <b>ප්</b> 52'54 25° <b>ප්</b> 08'11		evening set	13440 Dec 06 22:36	9° <b>る</b> 55'54	0.55233 AU
inferior conj minimum elong	13440 Jan 04 21:14 13440 Jan 05 05:29	23° <b>る</b> 0811 24° <b>る</b> 54'42		min. Earth dist. inferior conj	13440 Dec 13 13:12 13440 Dec 15 04:17	5°る4813	
morning rise	13440 Jan 13 08:31	24 33442 20°る58'38	3 0037	minimum elong	13440 Dec 15 06:58	5°る47'16	
direct	13440 Jan 15 14:24	20°る44'11		morning rise	13440 Dec 23 17:03	1° <b>る</b> 59'19	3 32 32
asc. node	13440 Jan 23 13:04	23° <b>る</b> 59'31		direct	13440 Dec 26 12:17	1°る40'21	
morning max el	13440 Jan 24 23:23	25° <b>ට</b> 16'31	19°15'15	morning max el	13441 Jan 06 10:28	6° <b>ප</b> 53'29	20°29'01
C	13440 Jan 29 00:43	0° <b>≈</b>		asc. node	13441 Jan 09 10:21	10° <b>ට</b> 07'56	
morning set	13440 Feb 10 19:54	22° <b>≈</b> 30′00			13441 Jan 21 13:56	0° <b>≈</b>	
	13440 Feb 14 14:08	0° <b>∀</b>		morning set	13441 Jan 25 02:49	7° <b>≈</b> 08'41	
superior conj	13440 Feb 19 01:08	8° <b>)</b> 45′57	0°49'54	superior conj	13441 Feb 01 15:42	22° <b>≈</b> 40'33	1°12'08
minimum elong	13440 Feb 19 03:47	8° <b>¥</b> 58'45	0°49'58	minimum elong	13441 Feb 01 18:22	22° <b>≈</b> 54'03	1°12'31
desc. node	13440 Feb 25 09:36	20° <b>)</b> √41′26			13441 Feb 05 07:52	0° <b>∀</b>	
max. Earth dist.	13440 Feb 25 18:12	21° <b>∺</b> 20′25	1.38444 AU	max. Earth dist.	13441 Feb 07 01:43	3° <b>¥</b> 22'45	1.36254 AU
evening rise	13440 Feb 29 11:58	27° <b>¥</b> 58′13		evening rise	13441 Feb 10 21:41	10° <b>)</b> ₹33′52	
	13440 Mar 01 16:12	0°Υ		desc. node	13441 Feb 11 06:09	11° <b>)</b> 12'32	
	13440 Mar 21 00:57 13440 Apr 04 19:50	0° <b>と</b> 18° <b>と</b> 03'22	24949124		13441 Feb 22 07:02 13441 Mar 16 12:28	0° <b>႘</b>	
evening max el retrograde	13440 Apr 04 19.30 13440 Apr 16 14:00	24° <b>8</b> 54'40	24 46 24	evening max el	13441 Mar 18 09:16	1° <b>8</b> 53'52	25050120
asc. node	13440 Apr 20 09:38	23° <b>8</b> 51'05		retrograde	13441 Mar 31 00:48	9° <b>8</b> 08'42	23 39 36
evening set	13440 Apr 22 05:43	22° <b>8</b> 32'23		evening set	13441 Apr 06 03:41	6° <b>8</b> 38'40	
min. Earth dist.	13440 Apr 26 17:13	17° <b>8</b> 28'57	0.68251 AU	asc. node	13441 Apr 07 07:05	5° <b>8</b> 36'44	
inferior conj	13440 Apr 27 19:28	16° <b>8</b> 02'00	2°07'08	min. Earth dist.	13441 Apr 10 08:31	2° <b>8</b> 10'33	0.67252 AU
minimum elong	13440 Apr 27 17:18	16° <b>8</b> 09'10	2°05'50	inferior conj	13441 Apr 11 23:14	0° <b>8</b> 09'28	1°25'06
morning rise	13440 May 03 05:08	10° <b>8</b> 05'00		minimum elong	13441 Apr 11 21:23	0° <b>8</b> 15'15	1°24'01
direct	13440 May 06 22:56	8° <b>8</b> 44'44		-	13441 Apr 12 02:15	30° <b>₹Ƴ</b>	
morning max el	13440 May 14 05:39	12° <b>8</b> 46'20	19°37'20	morning rise	13441 Apr 17 15:49	24° <b>Ƴ</b> 22'25	
desc. node	13440 May 23 11:41	24° <b>8</b> 17'08		direct	13441 Apr 20 22:22	23° <b>Y</b> 21'26	
greatest brilliancy	13440 May 26 21:39	29° <b>8</b> 12'07	-0.6m	morning max el	13441 Apr 27 14:14	26° <b>Ƴ</b> 56'17	18°44'33
	13440 May 27 10:43	$\Pi^{\circ}0$			13441 Apr 30 09:10	0°8	
morning set	13440 Jun 09 00:09	18° <b>∏</b> 58'32		desc. node	13441 May 10 08:27	14° <b>8</b> 03'43	
	13440 Jun 16 03:06	0ං <b>ව</b>		morning set	13441 May 19 11:45	28° <b>8</b> 13'18	

	13441 May 20 15:06	0°П		superior conj	13442 May 15 01:51	2° <b>∏</b> 41'46	1051157
max. Earth dist.	13441 Jun 03 11:45		1.45705 AU	minimum elong	13442 May 14 16:58		1°52'06
max. Earth dist.	13441 Juli 03 11.43	21 Д3/14	1.43703 AU	max. Earth dist.	13442 May 17 07:29	2 <b>H</b> 00 30 6° <b>H</b> 11'44	1.45777 AU
superior conj	13441 Jun 04 17:18	23° <b>∏</b> 32'46	2011/20	evening rise	13442 May 31 04:06	27° <b>I</b> I43'59	1.43/// AU
minimum elong	13441 Jun 04 17:18	23° <b>I</b> I18'26		evening rise	13442 Jun 01 15:14	27 <b>11</b> 43 39	
minimum eiong	13441 Jun 08 20:02	23 <u>ш</u> 1820	2 12 10	grantagt brillianav	13442 Jun 12 05:46	16°9915'38	-0.7m
avanina riaa	13441 Jun 20 02:29	17° <b>©</b> 53'58		greatest brilliancy asc. node	13442 Jun 21 02:06	28°©37'28	-0.7111
evening rise	13441 Jun 26 12:06	28°909'00	-0.9m	asc. node	13442 Jun 21 02:06 13442 Jun 22 05:46	28°93/28 0°Ω	
greatest brilliancy		28 <b>3</b> 09 00 0°Ω	-0.9111	avanina may al		2°Ω05'58	19°16'36
1	13441 Jun 27 16:02			evening max el	13442 Jun 24 04:24		19-10-30
asc. node	13441 Jul 04 05:10	10° <b>Ω</b> 01'57	10024142	retrograde	13442 Jul 01 04:33	6° <b>Ω</b> 00'10	
evening max el	13441 Jul 10 19:26	18° <b>Ω</b> 20'02	18°34'42	evening set	13442 Jul 04 18:21	4° <b>Ω</b> 45'53	
retrograde	13441 Jul 17 07:40	21° <b>Ω</b> 51'20			13442 Jul 09 08:34	30°₹©	2005140
evening set	13441 Jul 20 12:19	20° <b>Ω</b> 53'32	2045124	inferior conj	13442 Jul 10 04:25	28°\$55'48	3°05'48
inferior conj	13441 Jul 26 04:44	15° <b>Ω</b> 17'30		minimum elong	13442 Jul 10 05:32	28°952'09	3°04'44
minimum elong	13441 Jul 26 06:47	15°Ω11'18	2°44'19	min. Earth dist.	13442 Jul 11 14:32	27°504'38	0.66984 AU
min. Earth dist.	13441 Jul 28 05:24	12° <b>Ω</b> 49'46	0.65415 AU	morning rise	13442 Jul 15 16:07	22°531'36	
morning rise	13441 Aug 01 00:10	8° <b>Ω</b> 54'38		direct	13442 Jul 21 18:00	19° <b>©</b> 53'09	
desc. node	13441 Aug 06 07:15	6°Ω19'20		desc. node	13442 Jul 24 04:38	20° <b>©</b> 15'12	
direct	13441 Aug 07 10:47	6° <b>Ω</b> 14'34		morning max el	13442 Aug 03 06:34	27° <b>©</b> 22'42	25°51'00
morning max el	13441 Aug 20 19:40	14° <b>Ω</b> 07'54	27°00'39		13442 Aug 05 17:39	$0$ ° $\Omega$	
	13441 Sep 02 17:14	0° <b>™</b>			13442 Aug 27 09:06	0° <b>m</b>	
	13441 Sep 21 07:03	0∘ <b>⊽</b>		morning set	13442 Sep 08 06:21	20° <b>m</b> 22'52	
morning set	13441 Sep 25 11:04	7° <b>ഫ</b> 48'30		max. Earth dist.	13442 Sep 11 23:11	27° <b>m</b> ) 18'47	1.35530 AU
max. Earth dist.	13441 Sep 29 17:22	16° <b>≏</b> 13'38	1.33678 AU		13442 Sep 13 08:39	0∘ <b>⊽</b>	
asc. node	13441 Sep 30 06:51	17° <b>≙</b> 22'07		asc. node	13442 Sep 17 03:24	7° <b>≏</b> 28'47	
superior conj	13441 Oct 03 23:47	25° <b>≙</b> 03'13		superior conj	13442 Sep 17 17:47	8° <b>≏</b> 41'22	0°05'39
minimum elong	13441 Oct 03 22:07	24° <b>≙</b> 54'23	0°34'38	minimum elong	13442 Sep 17 17:27	8° <b>≏</b> 39'41	0°05'38
	13441 Oct 06 07:45	0° <b>M</b> ₊		behind sun begin	13442 Sep 17 11:40	8° <b>≏</b> 10'27	
evening rise	13441 Oct 11 05:09	10°M26'07		behind sun end	13442 Sep 17 23:15	9° <b>ഫ</b> 08'59	
	13441 Oct 21 06:32	0° <b>∡</b>		evening rise	13442 Sep 25 12:48	24° <b>≏</b> 44'33	
evening max el	13441 Oct 31 15:53	14° <b>₹</b> 03'24	21°45'41		13442 Sep 28 02:40	$0^{\circ}$ M	
desc. node	13441 Nov 02 03:24	15° <b>∡</b> ′25'42		evening max el	13442 Oct 13 16:14	24° <b>M</b> 39'55	20°19'26
retrograde	13441 Nov 13 01:34	20° <b>∡</b> 12'37		desc. node	13442 Oct 20 00:48	29° <b>M</b> 09'05	
evening set	13441 Nov 16 02:30	19° <b>∡</b> ′51'48			13442 Oct 23 07:26	0° <b>∡</b> ¹	
inferior conj	13441 Nov 24 21:48	15° <b>∡</b> 757'45	-5°42'20	retrograde	13442 Oct 24 13:00	0° <b>≯</b> 04'00	
minimum elong	13441 Nov 24 15:38	16° <b>₰</b> 06'24	5°40'35		13442 Oct 25 18:59	30°RM₊	
min. Earth dist.	13441 Nov 24 19:28	16° <b>∡</b> 01'02	0.54531 AU	evening set	13442 Oct 26 15:50	29°M52'38	
morning rise	13441 Dec 03 05:43	12° <b>҂</b> 10′04		inferior conj	13442 Nov 04 14:53	25°M56'26	-4°32'51
direct	13441 Dec 06 21:22	11° <b>∡</b> ′40′54		minimum elong	13442 Nov 04 04:47	26° <b>M</b> ₊11'16	4°29'14
morning max el	13441 Dec 19 07:24	17° <b>∡</b> ³37'52	22°04'08	min. Earth dist.	13442 Nov 06 02:46	25°MJ03'41	0.54768 AU
asc. node	13441 Dec 27 07:31	27° <b>∡</b> ¹25'01		morning rise	13442 Nov 12 17:03	21°M53'31	
	13441 Dec 28 23:42	8°0		direct	13442 Nov 17 07:07	21°ML08'04	
morning set	13442 Jan 09 13:14	21° <b>る</b> 54'05		morning max el	13442 Nov 30 18:38	27° <b>M</b> 44'11	23°52'05
C	13442 Jan 13 08:33	0° <b>≈</b>		Č	13442 Dec 03 00:18	0° <b>∡</b> ¹	
				asc. node	13442 Dec 14 04:34	15° <b>∡</b> °34'10	
superior conj	13442 Jan 16 15:26	6°≈59'22	1°27'20		13442 Dec 21 20:47	ರ°0	
minimum elong	13442 Jan 16 17:25	7° <b>≈</b> 09'47	1°28'03	morning set	13442 Dec 25 01:03	6° <b>る</b> 39'36	
max. Earth dist.	13442 Jan 20 14:49	15° <b>≈</b> 13'44	1.34340 AU	Č			
evening rise	13442 Jan 24 22:51	23° <b>≈</b> 48'25		superior conj	13442 Dec 31 21:20	21° <b>る</b> 32'50	1°35'53
Č	13442 Jan 28 05:51	0° <b>∀</b>		minimum elong	13442 Dec 31 22:17	21° <b>る</b> 38'01	1°36'50
desc. node	13442 Jan 29 02:45	1° <b>)</b> €35'25		max. Earth dist.	13443 Jan 03 11:48	27° <b>පි</b> 09'16	1.32836 AU
	13442 Feb 15 21:35	0° <b>Υ</b>			13443 Jan 04 20:03	0° <b>≈</b>	
evening max el	13442 Feb 28 22:55	15° <b>Y</b> 36'08	26°55'14	evening rise	13443 Jan 08 11:54	7° <b>≈</b> 31'52	
retrograde	13442 Mar 14 06:04	23° <b>Y</b> '02'21	20 33 11	desc. node	13443 Jan 15 23:25	21° <b>≈</b> 44'32	
evening set	13442 Mar 20 18:32	20° <b>Y</b> 29'57		desc. node	13443 Jan 20 18:32	0° <b>∀</b>	
min. Earth dist.	13442 Mar 24 18:01	16° <b>Υ</b> 35'25	0.65852 AU	evening max el	13443 Feb 11 11:52	28° <b>)</b> 58'58	27°27'54
asc. node	13442 Mar 25 04:32	16° <b>Υ</b> 05'29	5.05052 AU	Croming mus of	13443 Feb 12 14:03	28 <b>γ</b> (38 38	<i>⊒ , ⊒ , J</i> -T
inferior conj	13442 Mar 26 20:59	16 γ 03 29 14° <b>Υ</b> '08'03	0°32'01	retrograde	13443 Feb 12 14.03	6° <b>Υ</b> 25'53	
minimum elong	13442 Mar 26 20:39	14 Y 08 03 14° <b>Υ</b> 10'31	0°31'32	evening set	13443 Feb 23 04.37 13443 Mar 04 00:00	3° <b>Υ</b> 57'44	
		8° <b>Υ</b> 32'41	0 3134	Č		0° <b>Υ</b> 34'05	0.64099 AU
morning rise	13442 Apr 01 23:06	8° γ 32'41 7° <b>Υ</b> 48'10		min. Earth dist.	13443 Mar 07 19:38	0° ₹ 34 05 30° R <del>X</del>	0.04099 AU
direct	13442 Apr 04 19:36		100001	inforior con:	13443 Mar 08 08:54	*	0022126
morning max el	13442 Apr 11 04:29	11° <b>Y</b> 08'53	18°08'21	inferior conj	13443 Mar 10 10:02	27°¥50'31	
daga == -1-	13442 Apr 24 14:52	0°8 4°810'14		minimum elong	13443 Mar 10 11:02	27° <b>)</b> (47'53	0.3131
desc. node	13442 Apr 27 05:06			asc. node	13443 Mar 12 02:00	26° <b>∺</b> 07'59	
morning set	13442 Apr 30 01:11	8° <b>႘</b> 45'09		morning rise	13443 Mar 17 00:11	22° <b>)</b> € 29'14	
	13442 May 13 08:39	$\Pi$ $^{\circ}0$		direct	13443 Mar 19 12:08	21° <b>)</b> € 57'46	

morning max el	13443 Mar 25 21:44	25° <b>∺</b> 15'39	17°49'16	morning set	13444 Mar 24 10:34	3° <b>Ƴ</b> 34'39	
	13443 Mar 29 21:43	$0^{\circ}\mathbf{\Upsilon}$		desc. node	13444 Mar 30 22:09	14° <b>Ƴ</b> 59'45	
morning set	13443 Apr 11 18:29	20° <b>Ƴ</b> 37'38					
desc. node	13443 Apr 14 01:39	24° <b>Y</b> '30'20		superior conj	13444 Apr 04 20:13	23° <b>Y</b> °25'20	-0°37'53
desc. node	13443 Apr 17 08:21	0°8		minimum elong	13444 Apr 04 16:35	23° <b>Υ</b> '09'59	
	13443 Apr 17 06.21	v <b>O</b>		minimum clong	1	0° <b>8</b>	0 37 38
	12442 4 24 22 24	1001 100150	1015140	P 4 1	13444 Apr 08 18:58	_	1 10550 177
superior conj	13443 Apr 24 23:31	12° <b>8</b> 30'52		max. Earth dist.	13444 Apr 11 19:33	4° <b>8</b> 55'53	1.43779 AU
minimum elong	13443 Apr 24 15:43	11° <b>8</b> 59'23		evening rise	13444 Apr 19 06:35	16° <b>8</b> 44'24	
max. Earth dist.	13443 Apr 30 02:47	20° <b>8</b> 42'49	1.45112 AU		13444 Apr 27 23:59	$\Pi$ °0	
	13443 May 06 01:14	$\Pi^{\circ}0$		evening max el	13444 May 20 05:31	29° <b>Ⅱ</b> 42'58	21°23'59
evening rise	13443 May 10 16:08	7° <b>Ⅲ</b> 07'02			13444 May 20 12:22	$0$ $\circ$ $\odot$	
	13443 May 25 23:12	0∘ <b>©</b>		asc. node	13444 May 24 20:15	3°531'01	
evening max el	13443 Jun 07 07:53	15° <b>©</b> 54'22	20°14'00	retrograde	13444 May 29 01:51	4° <b>©</b> 53'02	
asc. node	13443 Jun 07 23:07	16° <b>©</b> 31'38		evening set	13444 Jun 02 12:02	3°905'14	
retrograde	13443 Jun 15 03:15	20°922'35		evening set	13444 Jun 05 09:58	30°R <b>Ⅱ</b>	
•	13443 Jun 19 02:54	18°951'20		inferior conj	13444 Jun 07 18:03	26° <b>Ⅱ</b> 51'03	3°07'39
evening set			2012122	,			
inferior conj	13443 Jun 24 09:38	12°5548'28	3°12'33	minimum elong	13444 Jun 07 17:10	26° <b>Ⅱ</b> 54'07	3°06'33
minimum elong	13443 Jun 24 09:42	12° <b>©</b> 48'12	3°11'31	min. Earth dist.	13444 Jun 08 00:25	26° <b>Ⅱ</b> 28'50	0.68747 AU
min. Earth dist.	13443 Jun 25 05:33	11° <b>©</b> 40'32	0.68102 AU	morning rise	13444 Jun 12 22:06	20° <b>Ⅱ</b> 34'36	
morning rise	13443 Jun 29 16:12	6° <b>5</b> 26'59		direct	13444 Jun 18 00:05	18° <b>Ⅱ</b> 22'19	
direct	13443 Jul 05 06:46	3° <b>©</b> 58'35		desc. node	13444 Jun 26 23:05	23° <b>Ⅱ</b> 13'46	
desc. node	13443 Jul 11 01:55	6° <b>©</b> 02'22		morning max el	13444 Jun 28 03:38	24° <b>Ⅲ</b> 23'15	22°57'00
morning max el	13443 Jul 16 16:43	10° <b>©</b> 48'57	24°26'37	Č	13444 Jul 03 03:58	0° <b>©</b>	
	13443 Jul 31 23:26	0°N			13444 Jul 24 09:28	0°N	
	13443 Aug 20 02:02	0° mp		morning set	13444 Aug 01 10:21	12° <b>Ω</b> 52'20	
. ,	=			=	_		1 40007 ATT
morning set	13443 Aug 21 07:40	2° m/08'07		max. Earth dist.	13444 Aug 05 20:53	20° <b>Ω</b> 20′20	1.40097 AU
max. Earth dist.	13443 Aug 24 22:15	8° <b>m</b> y31'41	1.37746 AU		13444 Aug 11 09:10	0° <b>m</b> )	
superior conj	13443 Sep 01 00:33	21°Mp46'32	-0°27'22	superior conj	13444 Aug 13 15:58	4° Mp 08'02	-1°02'24
minimum elong	13443 Sep 01 02:25	21° <b>m</b> 55'31	0°27'18	minimum elong	13444 Aug 13 20:36	4° <b>™</b> 29'12	1°02'13
asc. node	13443 Sep 03 23:57	27° m 34'38		asc. node	13444 Aug 20 20:32	17° <b>m</b> 35'19	
	13443 Sep 05 05:23	0∘ <b>⊽</b>		evening rise	13444 Aug 23 09:29	22° m/26'09	
evening rise	13443 Sep 09 15:17	8° <b>≏</b> 47'31		Ç	13444 Aug 27 09:34	0° ق	
e vennig rise	13443 Sep 21 09:14	0°M		evening max el	13444 Sep 08 09:10	ა — 18° <b>ჲ</b> 14'40	18°30'19
avanina may al	13443 Sep 26 06:48	6°M04'37	19°13'58	retrograde	13444 Sep 16 05:33	22° <b>2</b> 12'34	18 30 19
evening max el	1		19 13 38	-	•		
retrograde	13443 Oct 05 11:51	10°M41'17		evening set	13444 Sep 18 05:24	21° <b>2</b> 57'59	
desc. node	13443 Oct 06 22:16	10°M35'01		desc. node	13444 Sep 22 19:48	19° <b>≏</b> 48'25	
evening set	13443 Oct 07 08:26	10°M30′50		inferior conj	13444 Sep 26 00:54	17° <b>≏</b> 26'58	
inferior conj	13443 Oct 15 21:27	6° <b>™</b> 20'05	-2°48'37	minimum elong	13444 Sep 25 22:30	17° <b>≏</b> 31'39	0°59'50
minimum elong	13443 Oct 15 14:14	6°M32′06	2°45'22	min. Earth dist.	13444 Sep 29 06:32	14° <b>≏</b> 56'25	0.57724 AU
min. Earth dist.	13443 Oct 18 13:34	4°M33'33	0.55905 AU	morning rise	13444 Oct 03 12:09	12° <b>≙</b> 14'14	
morning rise	13443 Oct 23 17:30	1°M45'12		direct	13444 Oct 09 14:06	10° <b>≏</b> 40'22	
direct	13443 Oct 29 03:37	0° <b>™</b> 37'54		morning max el	13444 Oct 23 21:27	18° <b>≏</b> 13'11	26°59'39
morning max el	13443 Nov 12 05:02	7° <b>™</b> 45'25	25°36'42	. 8	13444 Nov 02 18:24	0° <b>M</b>	
morning man or	13443 Nov 28 14:43	0° <b>∡</b> 7	20 00 .2	asc. node	13444 Nov 16 22:22	23°M39'08	
asc. node	13443 Dec 01 01:31	4° <b>⋌</b> ¹22'27		asc. node	13444 Nov 20 02:46	0° <b>⊼</b> ¹	
				. ,			
morning set	13443 Dec 09 12:34	21° <b>∡</b> <sup>7</sup> 20'37		morning set	13444 Nov 22 22:00	5° <b>∡</b> '51'53	
	13443 Dec 13 11:33	0°ಕ			1011127 - 22 - 22	200 =	100
				superior conj	13444 Nov 29 18:32	20° <b>∡</b> 57′18	
superior conj	13443 Dec 16 07:03	6° <b>る</b> 14'19		minimum elong	13444 Nov 29 17:23	20° <b>₹</b> ′50'54	
minimum elong	13443 Dec 16 06:55	6° <b>る</b> 13'30	1°39'12	max. Earth dist.	13444 Nov 29 23:39	21° <b>×</b> <sup>7</sup> 25'52	1.31274 AU
max. Earth dist.	13443 Dec 17 15:46	9° <b>る</b> 14'59	1.31807 AU		13444 Dec 03 20:20	0°₹	
evening rise	13443 Dec 23 09:53	21° <b>る</b> 36'48		evening rise	13444 Dec 06 14:13	5°₹56'08	
S	13443 Dec 27 13:48	0° <b>≈</b>		Ç	13444 Dec 19 04:00	0° <b>≈</b>	
desc. node	13444 Jan 02 20:13	11° <b>≈</b> 33'52		desc. node	13444 Dec 19 17:09	0° <b>≈</b> 55'00	
desc. flode		0° <b>\</b>				23°≈54'51	27900112
	13444 Jan 14 17:58		27021100	evening max el	13445 Jan 06 02:34		27 00 12
evening max el	13444 Jan 24 22:02	11° <b>)</b> (49'33	27 31 00	, ,	13445 Jan 14 19:48	0° <b>)</b> {	
retrograde	13444 Feb 07 19:28	19° <b>)</b> 10′30		retrograde	13445 Jan 20 01:33	1° <b>米</b> 07′21	
evening set	13444 Feb 14 17:25	16° <b>¥</b> 53'55			13445 Jan 25 03:54	30°R <b>≈</b>	
min. Earth dist.	13444 Feb 18 11:31		0.62075 AU	evening set	13445 Jan 26 19:27	29° <b>≈</b> 10′18	
inferior conj	13444 Feb 21 11:20	11° <b>∺</b> 09'06	-1°47'29	min. Earth dist.	13445 Jan 30 16:47	26° <b>≈</b> 29'57	0.59899 AU
minimum elong	13444 Feb 21 15:02	11° <b>∺</b> 00′25	1°45'32	inferior conj	13445 Feb 02 21:18	23° <b>≈</b> 54'10	-3°09'54
asc. node	13444 Feb 26 23:28	6° <b>)</b> 48'43		minimum elong	13445 Feb 03 04:07	23° <b>≈</b> 40'14	
morning rise	13444 Feb 28 15:27	6° <b>)</b> €05'01		morning rise	13445 Feb 10 15:55	19° <b>≈</b> 10'27	
direct	13444 Mar 01 20:44	5° <b>)</b> 42'58		direct	13445 Feb 12 17:14	18° <b>≈</b> 54'19	
morning max el		9° <b>H</b> 08'34	17°47'56	asc. node	13445 Feb 12 20:53	18°≈54'25	
HIOTHINE HIAX CI	3/1/1/  Mar 110   5.11/						
	13444 Mar 08 15:03 13444 Mar 22 10:07	9 πus 34 0° <b>Υ</b>	17 47 30	morning max el	13445 Feb 20 04:59		18°05'27

	12445 F. 1. 25 22 24	001/		1	12446 1 20 10 16	20: 41101	
	13445 Feb 25 23:04	0° <b>)</b> {		asc. node	13446 Jan 30 18:16	2°≈41'01	1004004
morning set	13445 Mar 07 19:18	17° <b>)</b> 17'33		morning max el	13446 Feb 03 11:35	5°≈32'32	18°43'24
	13445 Mar 14 16:15	$0^{\circ}$ Y			13446 Feb 18 20:52	0° <b>∀</b>	
				morning set	13446 Feb 19 15:31	1° <b>∺</b> 30'35	
superior conj	13445 Mar 17 16:47	5° <b>Y</b> 26′21	0°00'38				
minimum elong	13445 Mar 17 16:50	5° <b>Y</b> 26′33	0°00'39	superior conj	13446 Feb 28 09:14	18° <b>∺</b> 21′29	0°33'50
behind sun begin	13445 Mar 17 09:06	4° <b>Y</b> 52'06		minimum elong	13446 Feb 28 11:23	18° <b>∺</b> 31'30	0°33'49
behind sun end	13445 Mar 18 00:34	6° <b>Ƴ</b> 00'55		desc. node	13446 Mar 04 15:11	26° <b>∺</b> 11′08	
desc. node	13445 Mar 17 18:41	5° <b>Ƴ</b> 34'48			13446 Mar 06 18:25	$0^{\circ}\mathbf{\Upsilon}$	
max. Earth dist.	13445 Mar 25 07:41	18° <b>Ƴ</b> 35'15	1.41918 AU	max. Earth dist.	13446 Mar 07 15:09	1° <b>Y</b> '31'11	1.39740 AU
evening rise	13445 Mar 30 12:32	27° <b>Ƴ</b> ′06'50		evening rise	13446 Mar 11 15:24	8° <b>Y</b> ′24'41	
Č	13445 Apr 01 07:56	0°B		, and the second	13446 Mar 25 07:09	0° <b>႘</b>	
	13445 Apr 21 16:57	0°II		evening max el	13446 Apr 15 12:37	27° <b>8</b> 24'09	24°03'15
evening max el	13445 May 02 22:24	13° <b>Ⅲ</b> 32'33	22°42'16	ovening man er	13446 Apr 18 08:27	0°II	2. 03 10
asc. node	13445 May 11 17:30	19° <b>Ⅱ</b> 19'58	22 42 10	retrograde	13446 Apr 26 16:40	3° <b>Ⅱ</b> 57'43	
retrograde	13445 May 12 22:46	19° <b>Ⅱ</b> 26'48		asc. node	13446 Apr 28 14:49	3° <b>Ⅱ</b> 41'08	
-	•	17° <b>Ⅱ</b> 23'47				1° <b>∏</b> 41'47	
evening set	13445 May 17 20:07		2052110	evening set	13446 May 02 01:33		
inferior conj	13445 May 23 03:40	11° <b>Ⅱ</b> 00′32			13446 May 03 18:41	30°₹ <b>႘</b>	0.60604.477
minimum elong	13445 May 23 02:01	11° <b>Ⅱ</b> 06'14		min. Earth dist.	13446 May 06 17:30	26° <b>8</b> 17'23	0.68624 AU
min. Earth dist.	13445 May 22 21:08	11° <b>Ⅲ</b> 23'15	0.68918 AU	inferior conj	13446 May 07 12:34	25° <b>8</b> 12'40	
morning rise	13445 May 28 07:49	4° <b>Ⅱ</b> 50'32		minimum elong	13446 May 07 10:28	25° <b>8</b> 19'46	2°25'14
direct	13445 Jun 01 20:54	2° <b>Ⅱ</b> 57'48		morning rise	13446 May 12 19:27	19° <b>8</b> 10'21	
morning max el	13445 Jun 10 18:10	8° <b>Ⅱ</b> 07'05	21°30'49	direct	13446 May 16 20:02	17° <b>8</b> 38'20	
desc. node	13445 Jun 13 20:09	11° <b>Ⅲ</b> 27′32		morning max el	13446 May 24 15:00	22° <b>8</b> 01'45	20°14'40
	13445 Jun 27 16:02	$0$ $\circ$ $\odot$			13446 May 31 09:05	$\Pi^{\circ}0$	
morning set	13445 Jul 12 11:58	22° <b>5</b> 31'00		desc. node	13446 May 31 17:05	0° <b>Ⅱ</b> 26'30	
-	13445 Jul 17 04:02	$0^{\circ}\Omega$			13446 Jun 20 21:03	0°©	
max. Earth dist.	13445 Jul 18 23:57	2° <b>Ω</b> 59′29	1.42305 AU	morning set	13446 Jun 21 17:32	1° <b>©</b> 18'51	
				max. Earth dist.	13446 Jul 01 09:29	16° <b>©</b> 28'11	1.44117 <b>A</b> U
superior conj	13445 Jul 26 11:39	15° <b>Ω</b> 36'27	-1°35'48				
minimum elong	13445 Jul 26 18:34	16°Ω06'20		superior conj	13446 Jul 07 08:01	26°905'00	-2°01'50
minimum ciong	13445 Aug 03 14:39	0° m)	1 33 10	minimum elong	13446 Jul 07 14:25	26°931'16	
evening rise	13445 Aug 06 15:31	5° mp 30'42		minimum clong	13446 Jul 09 16:57	0°Ω	2 02 24
•	-					17° <b>Ω</b> 48'50	
asc. node	13445 Aug 07 17:10	7° Mp 27'21		evening rise	13446 Jul 20 04:29		
	13445 Aug 21 19:47	0∘ <b>⊽</b>	10007101	asc. node	13446 Jul 25 13:52	27° <b>Ω</b> 05'57	
evening max el	13445 Aug 22 19:18	1° <b>Ω</b> 01'45	18°07'21		13446 Jul 27 07:08	0° m/y	
retrograde	13445 Aug 29 17:32	4° <b>≙</b> 34'01		evening max el	13446 Aug 06 09:11	14° <b>m</b> 15'49	18°03'43
evening set	13445 Sep 01 00:28	4° <b>₽</b> 11'12		retrograde	13446 Aug 12 19:50	17° <b>m</b> 36'38	
	13445 Sep 07 07:52	30°R, Mp		evening set	13446 Aug 15 11:02	17° <b>m</b> 02'03	
inferior conj	13445 Sep 08 01:44	29° <b>m</b> 19'46	0°30'17	inferior conj	13446 Aug 21 20:39	11° <b>m</b> 51'49	1°39'09
minimum elong	13445 Sep 08 02:42	29° <b>m</b> 17'33	0°29'47	minimum elong	13446 Aug 21 23:01	11° <b>m</b> 45'40	1°37'58
desc. node	13445 Sep 09 17:20	27° <b>m</b> 49'15		min. Earth dist.	13446 Aug 24 18:30	8° <b>m</b> 51'49	0.62211 AU
min. Earth dist.	13445 Sep 11 07:52	26° Mp 23'27	0.59926 AU	desc. node	13446 Aug 27 14:51	6° Mp 18′18	
morning rise	13445 Sep 15 01:41	23° Mp 34'46		morning rise	13446 Aug 28 08:38	5° <b>m</b> 44'58	
direct	13445 Sep 21 14:02	21° m 33'33		direct	13446 Sep 04 01:00	3°m/21'31	
morning max el	13445 Oct 05 21:35	29° m 24'54	27°47'57	morning max el	13446 Sep 18 03:51	11° <b>m</b> )22'19	27°57'19
Č	13445 Oct 06 11:40	0∘ <u>⊽</u>		Č	13446 Oct 02 20:34	0∘ <u>v</u>	
	13445 Oct 27 17:58	0° <b>M</b> ,			13446 Oct 20 02:21	0°M₊	
asc. node	13445 Nov 03 19:08	13°M16'34		asc. node	13446 Oct 21 15:51	3°M08'26	
morning set	13445 Nov 07 03:34	20°M08'51		morning set	13446 Oct 22 03:11	4°M06'11	
morning set	13445 Nov 11 17:12	0° <b>⊼</b>		max. Earth dist.	13446 Oct 27 12:26	15°M28'50	1.31770 AU
max. Earth dist.	13445 Nov 13 07:48		1.31257 AU	max. Earth dist.	13440 Oct 27 12.20	13 1162830	1.31770 AO
max. Earm dist.	13443 NOV 13 U7.48	3 X 33 34	1.31237 AU		12446 0-4 20 15.10	200 <b>m</b> 00155	1900/51
	1244533 14 05 55	50 70 (140	1005101	superior conj	13446 Oct 29 15:18	20°M06'55	1°09'51
superior conj	13445 Nov 14 05:55	5° <b>∡</b> 136'40	1°25'01	minimum elong	13446 Oct 29 13:02	19° <b>™</b> 54'28	1°10'15
minimum elong	13445 Nov 14 04:01	5° <b>∡</b> ¹26′04	1°25'43		13446 Nov 03 02:52	0° <b>∡</b> ¹	
evening rise	13445 Nov 20 22:42	20° <b>∡</b> ¹24'35		evening rise	13446 Nov 05 09:26	4° <b>∡</b> 757'11	
	13445 Nov 25 13:09	0°₹			13446 Nov 18 11:22	0°₹	
desc. node	13445 Dec 06 14:12	19° <b>る</b> 37'01		desc. node	13446 Nov 23 11:20	7° <b>る</b> 25'11	
	13445 Dec 14 04:22	0° <b>≈</b> ≈		evening max el	13446 Nov 30 12:11	15° <b>る</b> 34'12	24°24'37
evening max el	13445 Dec 18 23:13	5° <b>≈</b> 07'52	25°55'33	retrograde	13446 Dec 14 04:51	22° <b>る</b> 23'53	
retrograde	13446 Jan 01 21:25	12° <b>≈</b> 10'38		evening set	13446 Dec 19 09:17	21° <b>る</b> 24'47	
evening set	13446 Jan 08 01:59	10° <b>≈</b> 40'39		min. Earth dist.	13446 Dec 24 23:48	18° <b>る</b> 33'44	0.55994 AU
min. Earth dist.	13446 Jan 12 12:08	8° <b>≈</b> 03'42	0.57781 AU	inferior conj	13446 Dec 27 06:55	17° <b>る</b> 08'20	
inferior conj	13446 Jan 15 12:26	5°≈55'52		minimum elong	13446 Dec 27 13:33	16°る58'02	
minimum elong	13446 Jan 15 21:13	5° <b>≈</b> 40'18		morning rise	13447 Jan 04 19:49	13°පි06'56	5 5250
•	13446 Jan 23 19:18	1°≈34'09	T 21 JT	direct	13447 Jan 07 06:05	13 <b>3</b> 00 30	
morning rise	1.7 <del>11</del> 0.1811 4.7 17.18	1 ~>34 09		uncci	13 <del>11</del> /Jan 0/ 00.03	14 031 13	
direct	13446 Jan 25 21:15	1° <b>≈</b> 20'21		morning max el	13447 Jan 17 06:45	17°る40'50	100/21/10

asc. node	13447 Jan 17 15:35	18° <b>ප</b> 02'30		direct	13447 Dec 18 21:37	23° <b>∡</b> ¹22'07	
	13447 Jan 26 08:40	0° <b>≈</b>		morning max el	13447 Dec 30 11:29	28° <b>∡</b> 53'55	21°07'04
morning set	13447 Feb 03 19:26	16°≈02'50			13447 Dec 31 14:02	0°る	
	13447 Feb 10 17:11	0° <b>∺</b>		asc. node	13448 Jan 04 12:48 13448 Jan 18 19:25	4°る41'49 0°≈	
superior conj	13447 Feb 11 16:58	1° <b>¥</b> 57'59	1°00'11	morning set	13448 Jan 19 04:08	0 ≈ 0°≈45'12	
minimum elong	13447 Feb 11 19:44	2° <b>)</b> 11'38	1°00'22	morning sec	15110 3411 17 01.00	0 70 13 12	
max. Earth dist.	13447 Feb 17 21:27	13° <b>)</b> 49'38	1.37497 AU	superior conj	13448 Jan 26 11:49	16° <b>≈</b> 03'40	1°19'25
desc. node	13447 Feb 19 11:44	16° <b>¥</b> 45'31		minimum elong	13448 Jan 26 14:15	16° <b>≈</b> 16′13	1°19'55
evening rise	13447 Feb 21 14:46	20° <b>¥</b> 35′01		max. Earth dist.	13448 Jan 31 07:12	25° <b>≈</b> 46′03	1.35406 AU
	13447 Feb 27 02:06	$0^{\circ}$ Y			13448 Feb 02 11:31	0° <b>)</b>	
	13447 Mar 19 07:29	0°8		evening rise	13448 Feb 04 07:30	3° <b>¥</b> 28′18	
evening max el	13447 Mar 29 02:13	11° <b>8</b> 17'08	25°20'07	desc. node	13448 Feb 06 08:18	7° <b>)</b> 13′37	
retrograde	13447 Apr 10 06:17 13447 Apr 15 12:13	18° <b>8</b> 19'46 16° <b>8</b> 23'05			13448 Feb 20 00:35 13448 Mar 10 15:59	0°Υ 25°Υ05'50	26925125
asc. node evening set	13447 Apr 16 02:43	16 <b>8</b> 23 03		evening max el	13448 Mar 16 15:24	0° <b>8</b>	20 23 33
min. Earth dist.	13447 Apr 20 11:20	11° <b>8</b> 05'23	0.67883 AU	retrograde	13448 Mar 23 14:39	2° <b>8</b> 25'57	
inferior conj	13447 Apr 21 18:48	9° <b>8</b> 23'22	1°50'37	evening set	13448 Mar 29 21:53	29° <b>Y</b> '54'25	
minimum elong	13447 Apr 21 16:42	9° <b>8</b> 30'11	1°49'23	, and the second	13448 Mar 29 19:07	30° <b>Ŗ</b> ♈	
morning rise	13447 Apr 27 07:04	3° <b>8</b> 30'05		asc. node	13448 Apr 01 09:39	27° <b>Y</b> 31'31	
direct	13447 Apr 30 19:58	2° <b>8</b> 18'11		min. Earth dist.	13448 Apr 03 00:25	25° <b>Ƴ</b> 40'47	0.66713 AU
morning max el	13447 May 07 19:22	6° <b>8</b> 06'54	19°12'44	inferior conj	13448 Apr 04 20:19	23° <b>Y</b> ′27'44	1°03'58
desc. node	13447 May 18 13:54	19° <b>8</b> 58'22		minimum elong	13448 Apr 04 18:47	23° <b>Y</b> ′32′22	1°03'06
greatest brilliancy	13447 May 20 16:32	23° <b>8</b> 05'13	-0.7m	morning rise	13448 Apr 10 16:37	17° <b>Y</b> 45'19	
marning gat	13447 May 25 06:31 13447 May 31 20:34	0° <b>Ц</b> 10° <b>Ц</b> 06'01		direct	13448 Apr 13 18:51 13448 Apr 20 06:35	16° <b>Υ</b> 51'33 20° <b>Υ</b> 18'32	18°27'00
morning set	13447 May 31 20:34 13447 Jun 13 15:53	0.20		morning max el	13448 Apr 20 06:35 13448 Apr 27 22:39	0° <b>8</b>	18-2/00
max. Earth dist.	13447 Jun 14 01:15	0°936'44	1.45336 AU	desc. node	13448 May 04 10:37	9° <b>8</b> 54'11	
mun. Durun uibu	13 , van 1 . v	0 230	10330110	morning set	13448 May 10 18:11	19° <b>8</b> 51'23	
superior conj	13447 Jun 17 05:48	5° <b>©</b> 38'27	-2°13'28	C	13448 May 17 04:37	$\Pi^{\circ}$	
minimum elong	13447 Jun 17 06:42	5° <b>©</b> 41'59	2°14'30				
evening rise	13447 Jul 01 19:27	29° <b>5</b> 09'34		superior conj	13448 May 26 14:20	14° <b>Ⅱ</b> 43'17	
	13447 Jul 02 07:43	$0$ $^{\circ}\Omega$		minimum elong	13448 May 26 07:44	14° <b>Ⅱ</b> 17'32	
asc. node	13447 Jul 12 10:39	16° <b>Ω</b> 25'44	10010101	max. Earth dist.	13448 May 26 20:50	15° <b>Ⅱ</b> 08'39	1.45835 AU
evening max el	13447 Jul 20 23:18 13447 Jul 23 16:06	27° <b>Ω</b> 47'51	18°18'21	avanina riaa	13448 Jun 05 08:52 13448 Jun 11 09:54	0°95 9°9530'04	
retrograde	13447 Jul 23 16:06 13447 Jul 27 08:13	0°Mp 1°Mp11'09		evening rise greatest brilliancy	13448 Jun 20 13:32	23°952'18	-0.8m
evening set	13447 Jul 27 08:13	0° m <sub>22'12</sub>		greatest offinality	13448 Jun 24 14:06	0°Ω	-0.6111
e vening sec	13447 Jul 30 22:59	30°R <b>Ω</b>		asc. node	13448 Jun 28 07:31	5° <b>Ω</b> 20'09	
inferior conj	13447 Aug 05 05:35	24° <b>Ω</b> 55'02	2°26'37	evening max el	13448 Jul 03 10:48	11° <b>Ω</b> 30'44	18°50'30
minimum elong	13447 Aug 05 07:59	24° <b>Ω</b> 48′06	2°25'23	retrograde	13448 Jul 10 02:59	15° <b>Ω</b> 10′06	
min. Earth dist.	13447 Aug 07 14:28	22° <b>Ω</b> 11'17	0.64339 AU	evening set	13448 Jul 13 11:33	14° <b>Ω</b> 05'11	
morning rise	13447 Aug 11 06:32	18° <b>Ω</b> 35'58		inferior conj	13448 Jul 19 00:50	8° <b>Ω</b> 22'49	
desc. node	13447 Aug 14 12:21	16° <b>Ω</b> 38'47		minimum elong	13448 Jul 19 02:31	8° <b>Ω</b> 17'32	
direct	13447 Aug 17 20:45	15° <b>Ω</b> 59'15 23° <b>Ω</b> 58'18	27920111	min. Earth dist.	13448 Jul 20 19:13 13448 Jul 24 16:42	6° <b>Ω</b> 09'52	0.66136 AU
morning max el	13447 Aug 31 13:43 13447 Sep 05 23:39	0° m)	2/3011	morning rise	13448 Jul 24 16:42 13448 Jul 27 18:01	1° <b>Ω</b> 58'57 30° <b>№</b>	
	13447 Sep 05 25:35 13447 Sep 26 05:46	0∘ <del>ত</del> الأس		direct	13448 Jul 30 23:57	29° <b>©</b> 18'44	
morning set	13447 Oct 05 18:16	17° <b>≏</b> 36'40		desc. node	13448 Jul 31 09:45	29° <b>©</b> 19'21	
asc. node	13447 Oct 08 12:27	23° <b>ഫ</b> 08'55			13448 Aug 03 11:18	$0^{\circ}\Omega$	
max. Earth dist.	13447 Oct 10 09:51	27° <b>ഫ</b> 03'05	1.32829 AU	morning max el	13448 Aug 13 00:55	7° <b>Ω</b> 03'07	26°33'32
	13447 Oct 11 19:33	$0^{\circ}$ M			13448 Aug 30 19:44	0° <b>™</b>	
				morning set	13448 Sep 17 21:50	0° <b>≙</b> 34'08	
superior conj	13447 Oct 13 20:36	4°M21'21	0°49'04	P. 4. P.	13448 Sep 17 14:35	0° <b>⊽</b>	104415 477
minimum elong evening rise	13447 Oct 13 18:31 13447 Oct 20 20:28	4°M10'08 19°M27'56	0°49'11	max. Earth dist. asc. node	13448 Sep 21 21:46 13448 Sep 24 09:02	8° <b>♀</b> 17'36 13° <b>♀</b> 14'33	1.34415 AU
evening rise	13447 Oct 25 22:48	0° <b>√</b>		asc. node	13446 Sep 24 09.02	15 = 14 55	
desc. node	13447 Nov 10 08:36	23° <b>×</b> <sup>7</sup> 58'25		superior conj	13448 Sep 26 19:31	18° <b>≏</b> 14'39	0°22'55
evening max el	13447 Nov 11 22:18	25° <b>⋌</b> 35'11	22°42'29	minimum elong	13448 Sep 26 18:19	18° <b>≏</b> 08'22	0°22'53
-	13447 Nov 17 15:51	8°0		3	13448 Oct 02 09:46	0° <b>M</b>	
retrograde	13447 Nov 24 23:00	2° <b>පි</b> 03'06		evening rise	13448 Oct 04 06:00	3°M52'41	
evening set	13447 Nov 28 18:56	1°₹31′06			13448 Oct 18 17:10	0° <b>∡</b> ¹	
	13447 Dec 02 17:55	30°₹ <b>⋌</b> ¹	0.54055 / 55	evening max el	13448 Oct 23 15:03	5° <b>∡</b> ¹48'35	21°06'39
min. Earth dist.	13447 Dec 06 06:39	28° × 07'25	0.54827 AU	desc. node	13448 Oct 27 05:55	8° 🗷 51'27	
inferior conj	13447 Dec 07 06:57	27° <b>х</b> 32′58 27° <b>х</b> 34′34		retrograde	13448 Nov 04 09:55	11° <b>х</b> 40'04 11° <b>х</b> 24'29	
minimum elong morning rise	13447 Dec 07 05:49 13447 Dec 15 18:03	27° <b>x</b> '34'34 23° <b>x</b> '44'54	5 55 17	evening set inferior conj	13448 Nov 06 23:42 13448 Nov 15 22:16	7° <b>∡</b> ′30′52	-5°19'05
morning 1150	15TT DCC 15 10.05	23 A TT 34		inicioi conj	13770 110V 13 22.10	, ^ 30 32	5 1705

minimum elong	13448 Nov 15 13:28	7° <b>∡</b> '43'18	5°16'27	retrograde	13449 Oct 16 01:11	21°M48'00	
min. Earth dist.	13448 Nov 16 12:33	7° <b>х</b> 10'41	0.54516 AU	evening set	13449 Oct 17 23:26	21°M37'53	
morning rise	13448 Nov 24 03:43	3°×739'38	0.54510 AO	inferior conj	13449 Oct 26 19:37	17°M36'27	-3°50'55
direct	13448 Nov 28 05:03	3° <b>₹</b> ′04′22		minimum elong	13449 Oct 26 10:10	17°ML51'03	3°47'06
morning max el	13448 Dec 11 03:16	9°×718'03	22°49'24	min. Earth dist.	13449 Oct 28 21:06	16°M20'10	0.55146 AU
asc. node	13448 Dec 21 09:54	22° ×7'22'09	22 4) 24	morning rise	13449 Nov 03 19:20	13°M21'09	0.55140 AC
asc. node	13448 Dec 25 20:55	0°る		direct	13449 Nov 08 18:03	12°M27'18	
morning set	13449 Jan 02 15:22	0 <b>ろ</b> 15° <b>ろ</b> 31'07		morning max el	13449 Nov 22 13:14	19°M18'10	24°38'19
morning sec	13449 Jan 09 09:01	0° <b>≈</b>		morning max or	13449 Dec 01 12:23	0° <b>₹</b>	21 30 17
	1311) 3411 0) 0).01	0 , 0 .		asc. node	13449 Dec 08 06:55	10° <b>х</b> 48′59	
superior conj	13449 Jan 09 14:29	0° <b>≈</b> 29'17	1°31'45	morning set	13449 Dec 18 03:16	0° <b>る</b> 15'17	
minimum elong	13449 Jan 09 16:03	0°≈37'39	1°32'34	morning sec	13449 Dec 18 00:25	0°る	
max. Earth dist.	13449 Jan 12 23:45	7° <b>≈</b> 38'00	1.33645 AU		10.1.9 200 10 00.20	<b>° G</b>	
evening rise	13449 Jan 17 14:04	16° <b>≈</b> 55'29		superior conj	13449 Dec 24 22:17	15° <b>る</b> 07'04	1°37'36
desc. node	13449 Jan 23 04:57	27° <b>≈</b> 31'06		minimum elong	13449 Dec 24 22:46	15° <b>る</b> 09'44	1°38'37
	13449 Jan 24 14:14	0° <b>∀</b>		max. Earth dist.	13449 Dec 26 23:48	19° <b>る</b> 37'00	1.32327 AU
	13449 Feb 13 10:21	0° <b>Υ</b>			13449 Dec 31 21:43	0° <b>≈</b>	
evening max el	13449 Feb 21 05:27	8° <b>Υ</b> 40'54	27°12'15	evening rise	13450 Jan 01 07:15	0°≈48'44	
retrograde	13449 Mar 06 17:01	16° <b>Y</b> ′08'10	_,	desc. node	13450 Jan 10 01:42	17° <b>≈</b> 32'43	
evening set	13449 Mar 13 09:03	13° <b>Y</b> '36'27		dese. node	13450 Jan 17 13:40	0° <b>∀</b>	
min. Earth dist.	13449 Mar 17 06:37	9° <b>Υ</b> 55'51	0.65152 AU	evening max el	13450 Feb 03 17:17	21° <b>X</b> 51'13	27°33'11
asc. node	13449 Mar 19 07:07	7° <b>Υ</b> 41'18	***************************************	retrograde	13450 Feb 17 12:41	29° <b>)</b> 17'08	_,
inferior conj	13449 Mar 19 14:42	7° <b>Υ</b> 20'07	0°06'05	evening set	13450 Feb 24 09:51	26°\(\frac{1}{52}\)'35	
minimum elong	13449 Mar 19 14:31	7° <b>Υ</b> 20'36	0°05'59	min. Earth dist.	13450 Feb 28 04:15		0.63259 AU
transit middle	13449 Mar 19 14:31	7° <b>Y</b> ′20'36	0°05'59	inferior conj	13450 Mar 02 23:11	20° <b>)</b> 53'50	
transit begin	13449 Mar 19 11:43	7° <b>Y</b> ′28′26		minimum elong	13450 Mar 03 01:14	20° <b>)</b> 48'41	1°01'55
transit end	13449 Mar 19 17:19	7° <b>Υ</b> 12'48		asc. node	13450 Mar 06 04:34	17° <b>)</b> 53'08	- 0
morning rise	13449 Mar 25 21:41	1° <b>Y</b> ′50'39		morning rise	13450 Mar 09 19:08	15° <b>)</b> 39'49	
direct	13449 Mar 28 14:25	1° <b>Y</b> °12'06		direct	13450 Mar 12 03:53	15° <b>¥</b> 12'56	
morning max el	13449 Apr 03 22:31	4° <b>Y</b> ′29'54	17°58'07	morning max el	13450 Mar 18 16:19	18° <b>)</b> 32′54	17°46'33
desc. node	13449 Apr 21 07:14	0° <b>8</b> 07'02	-,	8	13450 Mar 27 02:26	0°Υ	-,
	13449 Apr 21 05:31	0°8		morning set	13450 Apr 03 23:41	13° <b>Y</b> ′21'46	
morning set	13449 Apr 21 19:50	0° <b>8</b> 58'53		desc. node	13450 Apr 08 03:48	20° <b>Y</b> ′32'03	
5	· · ·				13450 Apr 13 18:25	0°8	
superior conj	13449 May 06 02:39	24° <b>8</b> 04'42	-1°38'44		13 13 0 11p1 13 10.23	. •	
superior conj minimum elong	13449 May 06 02:39 13449 May 05 17:33	24° <b>8</b> 04'42 23° <b>8</b> 28'42		superior conj	-	4° <b>8</b> 21'38	-1°01'07
superior conj minimum elong max. Earth dist.	13449 May 06 02:39 13449 May 05 17:33 13449 May 09 17:03	_		superior conj minimum elong	13450 Apr 16 09:44 13450 Apr 16 03:35		
minimum elong	13449 May 05 17:33	23° <b>8</b> 28'42	1°38'36	superior conj minimum elong max. Earth dist.	13450 Apr 16 09:44	4° <b>8</b> 21'38	
minimum elong	13449 May 05 17:33 13449 May 09 17:03 13449 May 09 20:53	23° <b>8</b> 28'42 29° <b>8</b> 45'00	1°38'36	minimum elong	13450 Apr 16 09:44 13450 Apr 16 03:35	4° <b>8</b> 21'38 3° <b>8</b> 56'22	1°00'46
minimum elong max. Earth dist.	13449 May 05 17:33 13449 May 09 17:03 13449 May 09 20:53 13449 May 22 04:04	23° <b>8</b> 28'42 29° <b>8</b> 45'00 0° <b>I</b> I	1°38'36	minimum elong max. Earth dist.	13450 Apr 16 09:44 13450 Apr 16 03:35 13450 Apr 22 11:13	4° <b>8</b> 21'38 3° <b>8</b> 56'22 14° <b>8</b> 09'33	1°00'46
minimum elong max. Earth dist.	13449 May 05 17:33 13449 May 09 17:03 13449 May 09 20:53	23° <b>8</b> 28'42 29° <b>8</b> 45'00 0° <b>I</b> 19° <b>I</b> I04'12	1°38'36	minimum elong max. Earth dist.	13450 Apr 16 09:44 13450 Apr 16 03:35 13450 Apr 22 11:13 13450 May 01 15:13	4°821'38 3°856'22 14°809'33 28°828'56	1°00'46
minimum elong max. Earth dist.	13449 May 05 17:33 13449 May 09 17:03 13449 May 09 20:53 13449 May 22 04:04 13449 May 29 07:38	23°828'42 29°845'00 0°Ⅲ 19°Ⅲ04'12 0°ℱ	1°38'36 1.45582 AU	minimum elong max. Earth dist.	13450 Apr 16 09:44 13450 Apr 16 03:35 13450 Apr 22 11:13 13450 May 01 15:13 13450 May 02 15:00	4°\21'38 3°\56'22 14°\509'33 28°\528'56 0°II 0°\$	1°00'46
minimum elong max. Earth dist. evening rise greatest brilliancy	13449 May 05 17:33 13449 May 09 17:03 13449 May 09 20:53 13449 May 22 04:04 13449 May 29 07:38 13449 Jun 05 00:51	23°♂28'42 29°♂45'00 0°Ⅲ 19°Ⅲ04'12 0°☞ 10°©03'41	1°38'36 1.45582 AU	minimum elong max. Earth dist. evening rise	13450 Apr 16 09:44 13450 Apr 16 03:35 13450 Apr 22 11:13 13450 May 01 15:13 13450 May 02 15:00 13450 May 23 04:04	4°821'38 3°856'22 14°809'33 28°828'56 0°Ⅱ	1°00'46 1.44617 AU
minimum elong max. Earth dist. evening rise greatest brilliancy asc. node	13449 May 05 17:33 13449 May 09 17:03 13449 May 09 20:53 13449 May 22 04:04 13449 May 29 07:38 13449 Jun 05 00:51 13449 Jun 15 04:29	23°828'42 29°8'45'00 0°Ⅲ 19°Ⅲ04'12 0°© 10°©03'41 23°©39'28	1°38'36 1.45582 AU -0.6m	minimum elong max. Earth dist. evening rise	13450 Apr 16 09:44 13450 Apr 16 03:35 13450 Apr 22 11:13 13450 May 01 15:13 13450 May 02 15:00 13450 May 23 04:04 13450 May 30 18:23	4°\S21'38 3°\S56'22 14°\S09'33 28°\S28'56 0°\II 0°\S 9°\S06'20	1°00'46 1.44617 AU
minimum elong max. Earth dist. evening rise greatest brilliancy asc. node evening max el retrograde	13449 May 05 17:33 13449 May 09 17:03 13449 May 09 20:53 13449 May 22 04:04 13449 May 29 07:38 13449 Jun 05 00:51 13449 Jun 15 04:29 13449 Jun 16 17:29	23°828'42 29°845'00 0°Ⅲ 19°Ⅲ04'12 0°© 10°©03'41 23°©39'28 25°©17'44	1°38'36 1.45582 AU -0.6m	minimum elong max. Earth dist. evening rise evening max el asc. node retrograde	13450 Apr 16 09:44 13450 Apr 16 03:35 13450 Apr 22 11:13 13450 May 01 15:13 13450 May 02 15:00 13450 May 23 04:04 13450 May 30 18:23 13450 Jun 02 01:34	4°\21'38 3°\56'22 14°\509'33 28°\528'56 0°\II 0°\9 9°\\$06'20 11°\\$12'23	1°00'46 1.44617 AU
minimum elong max. Earth dist. evening rise greatest brilliancy asc. node evening max el	13449 May 05 17:33 13449 May 09 17:03 13449 May 09 20:53 13449 May 22 04:04 13449 May 29 07:38 13449 Jun 05 00:51 13449 Jun 15 04:29 13449 Jun 16 17:29 13449 Jun 24 01:02	23°828'42 29°845'00 0°II 19°II04'12 0°S 10°S03'41 23°S39'28 25°S17'44 29°S25'31	1°38'36 1.45582 AU -0.6m	minimum elong max. Earth dist. evening rise evening max el asc. node	13450 Apr 16 09:44 13450 Apr 16 03:35 13450 Apr 22 11:13 13450 May 01 15:13 13450 May 02 15:00 13450 May 23 04:04 13450 May 30 18:23 13450 Jun 02 01:34 13450 Jun 08 00:02	4°\(\delta\)21'38 3°\(\delta\)56'22 14°\(\delta\)09'33 28°\(\delta\)28'56 0°\(\mathbb{II}\) 0°\(\overline{\text{0}}\) 9°\(\sigma\)06'20 11°\(\overline{\text{0}}\)12'23 13°\(\overline{\text{0}}\)52'09	1°00'46 1.44617 AU
minimum elong max. Earth dist. evening rise greatest brilliancy asc. node evening max el retrograde evening set	13449 May 05 17:33 13449 May 09 17:03 13449 May 09 20:53 13449 May 22 04:04 13449 May 29 07:38 13449 Jun 05 00:51 13449 Jun 15 04:29 13449 Jun 16 17:29 13449 Jun 24 01:02 13449 Jun 27 18:56	23°828'42 29°845'00 0°II 19°II04'12 0°S 10°S03'41 23°S39'28 25°S17'44 29°S25'31 28°S03'57	1°38'36 1.45582 AU -0.6m 19°39'12	minimum elong max. Earth dist. evening rise  evening max el asc. node retrograde evening set inferior conj	13450 Apr 16 09:44 13450 Apr 16 03:35 13450 Apr 22 11:13 13450 May 01 15:13 13450 May 02 15:00 13450 May 23 04:04 13450 May 30 18:23 13450 Jun 02 01:34 13450 Jun 08 00:02 13450 Jun 12 03:58	4°\dagger 22'138 3°\dagger 56'22 14°\dagger 909'33 28°\dagger 22'56 0°\dagger 009'20 11°\signiz'23 13°\signiz'23 13°\signiz'56	1°00'46 1.44617 AU 20°42'21
minimum elong max. Earth dist. evening rise greatest brilliancy asc. node evening max el retrograde evening set inferior conj	13449 May 05 17:33 13449 May 09 17:03 13449 May 09 20:53 13449 May 22 04:04 13449 May 29 07:38 13449 Jun 05 00:51 13449 Jun 15 04:29 13449 Jun 16 17:29 13449 Jun 24 01:02 13449 Jun 27 18:56 13449 Jul 03 03:12	23°828'42 29°845'00 0°II 19°II 04'12 0°S 10°S 03'41 23°S 39'28 25°S 17'44 29°S 25'31 28°S 03'57 22°S 07'59	1°38'36 1.45582 AU -0.6m 19°39'12 3°10'11	minimum elong max. Earth dist. evening rise  evening max el asc. node retrograde evening set	13450 Apr 16 09:44 13450 Apr 16 03:35 13450 Apr 22 11:13 13450 May 01 15:13 13450 May 02 15:00 13450 May 23 04:04 13450 May 30 18:23 13450 Jun 02 01:34 13450 Jun 08 00:02 13450 Jun 12 03:58 13450 Jun 17 10:06	4°\dagger 22'138 3°\dagger 56'22 14°\dagger 328'56 0°\mathbb{\textbf{I}} 0°\sigma 9°\sigma 6'20 11°\sigma 12'23 13°\sigma 52'09 12°\sigma 13'56 6°\sigma 05'55	1°00'46 1.44617 AU 20°42'21 3°11'49
minimum elong max. Earth dist.  evening rise  greatest brilliancy asc. node evening max el retrograde evening set inferior conj minimum elong min. Earth dist.	13449 May 05 17:33 13449 May 09 17:03 13449 May 09 20:53 13449 May 22 04:04 13449 May 29 07:38 13449 Jun 05 00:51 13449 Jun 15 04:29 13449 Jun 16 17:29 13449 Jun 27 18:56 13449 Jun 03 03:12 13449 Jul 03 03:53	23°828'42 29°845'00 0°II 19°II 04'12 0°© 10°©03'41 23°©39'28 25°©17'44 29°©25'31 28°©03'57 22°©07'59 22°©05'43	1°38'36 1.45582 AU -0.6m 19°39'12 3°10'11 3°09'09	minimum elong max. Earth dist. evening rise  evening max el asc. node retrograde evening set inferior conj minimum elong	13450 Apr 16 09:44 13450 Apr 16 03:35 13450 Apr 22 11:13 13450 May 01 15:13 13450 May 02 15:00 13450 May 23 04:04 13450 May 30 18:23 13450 Jun 02 01:34 13450 Jun 02 01:34 13450 Jun 12 03:58 13450 Jun 17 10:06 13450 Jun 17 09:45	4°\dagger*\dag	1°00'46 1.44617 AU 20°42'21 3°11'49 3°10'45
minimum elong max. Earth dist.  evening rise  greatest brilliancy asc. node evening max el retrograde evening set inferior conj minimum elong	13449 May 05 17:33 13449 May 09 17:03 13449 May 09 20:53 13449 May 22 04:04 13449 May 29 07:38 13449 Jun 05 00:51 13449 Jun 15 04:29 13449 Jun 16 17:29 13449 Jun 27 18:56 13449 Jun 27 18:56 13449 Jul 03 03:12 13449 Jul 03 03:53 13449 Jul 04 07:08	23°828'42 29°845'00 0°II 19°II 04'12 0°5 10°503'41 23°539'28 25°517'44 29°525'31 28°503'57 22°507'59 22°505'43 20°534'53	1°38'36 1.45582 AU -0.6m 19°39'12 3°10'11 3°09'09	minimum elong max. Earth dist. evening rise  evening max el asc. node retrograde evening set inferior conj minimum elong	13450 Apr 16 09:44 13450 Apr 16 03:35 13450 Apr 22 11:13 13450 May 01 15:13 13450 May 02 15:00 13450 May 23 04:04 13450 May 30 18:23 13450 Jun 02 01:34 13450 Jun 02 01:34 13450 Jun 12 03:58 13450 Jun 17 10:06 13450 Jun 17 09:45 13450 Jun 18 00:13	4°\( \begin{align*} \delta \cdot \beta 21'38 \\ 3°\( \beta 56'22 \end{align*} \delta \cdot \beta 09'33 \\ 28°\( \beta 28'56 \\ 0°\( \beta \) \\ 9°\( \beta 06'20 \\ 11°\( \beta 12'23 \\ 13°\( \beta 52'09 \\ 12°\( \beta 13'56 \\ 6°\( \beta 07'06 \\ 5°\( \beta 17'09 \end{align*} \)	1°00'46 1.44617 AU 20°42'21 3°11'49 3°10'45
minimum elong max. Earth dist.  evening rise  greatest brilliancy asc. node evening max el retrograde evening set inferior conj minimum elong min. Earth dist. morning rise	13449 May 05 17:33 13449 May 09 17:03 13449 May 09 20:53 13449 May 22 04:04 13449 May 29 07:38 13449 Jun 05 00:51 13449 Jun 16 17:29 13449 Jun 24 01:02 13449 Jun 27 18:56 13449 Jul 03 03:12 13449 Jul 03 03:53 13449 Jul 04 07:08 13449 Jul 08 12:24	23°828'42 29°845'00 0°II 19°II 04'12 0°S 10°S03'41 23°S39'28 25°S17'44 29°S25'31 28°S03'57 22°S07'59 22°S05'43 20°S34'53 15°S44'25	1°38'36 1.45582 AU -0.6m 19°39'12 3°10'11 3°09'09	minimum elong max. Earth dist. evening rise  evening max el asc. node retrograde evening set inferior conj minimum elong min. Earth dist.	13450 Apr 16 09:44 13450 Apr 16 03:35 13450 Apr 22 11:13 13450 May 01 15:13 13450 May 02 15:00 13450 May 23 04:04 13450 May 30 18:23 13450 Jun 02 01:34 13450 Jun 08 00:02 13450 Jun 12 03:58 13450 Jun 17 10:06 13450 Jun 17 09:45 13450 Jun 18 00:13 13450 Jun 22 09:10	4°821'38 3°856'22 14°809'33 28°828'56 0°II 0°\$ 9°\$06'20 11°\$12'23 13°\$52'09 12°\$13'56 6°\$05'55 6°\$07'06 5°\$17'09 30°RII	1°00'46 1.44617 AU 20°42'21 3°11'49 3°10'45
minimum elong max. Earth dist.  evening rise  greatest brilliancy asc. node evening max el retrograde evening set inferior conj minimum elong min. Earth dist. morning rise direct	13449 May 05 17:33 13449 May 09 17:03 13449 May 09 20:53 13449 May 22 04:04 13449 May 29 07:38 13449 Jun 05 00:51 13449 Jun 16 17:29 13449 Jun 24 01:02 13449 Jun 27 18:56 13449 Jul 03 03:12 13449 Jul 03 03:53 13449 Jul 04 07:08 13449 Jul 08 12:24 13449 Jul 14 09:32	23°828'42 29°845'00 0°II 19°II 04'12 0°96 10°903'41 23°939'28 25°917'44 29°925'31 28°903'57 22°907'59 22°905'43 20°934'53 15°944'25 13°909'38	1°38'36 1.45582 AU -0.6m 19°39'12 3°10'11 3°09'09 0.67515 AU	minimum elong max. Earth dist. evening rise  evening max el asc. node retrograde evening set inferior conj minimum elong min. Earth dist.  morning rise	13450 Apr 16 09:44 13450 Apr 16 03:35 13450 Apr 22 11:13 13450 May 01 15:13 13450 May 02 15:00 13450 May 23 04:04 13450 May 30 18:23 13450 Jun 02 01:34 13450 Jun 08 00:02 13450 Jun 17 10:06 13450 Jun 17 09:45 13450 Jun 18 00:13 13450 Jun 22 09:10 13450 Jun 22 15:15	4°821'38 3°856'22 14°809'33 28°828'56 0°11 0°9 9°906'20 11°912'23 13°952'09 12°913'56 6°905'55 6°907'06 5°917'09 30°R11 29°146'03	1°00'46 1.44617 AU 20°42'21 3°11'49 3°10'45
minimum elong max. Earth dist.  evening rise  greatest brilliancy asc. node evening max el retrograde evening set inferior conj minimum elong min. Earth dist. morning rise direct desc. node	13449 May 05 17:33 13449 May 09 17:03 13449 May 09 20:53 13449 May 29 07:38 13449 Jun 05 00:51 13449 Jun 15 04:29 13449 Jun 16 17:29 13449 Jun 24 01:02 13449 Jun 27 18:56 13449 Jul 03 03:12 13449 Jul 03 03:53 13449 Jul 04 07:08 13449 Jul 08 12:24 13449 Jul 14 09:32 13449 Jul 18 07:05	23°828'42 29°845'00 0°II 19°II 04'12 0°S 10°S03'41 23°S39'28 25°S17'44 29°S25'31 28°S03'57 22°S07'59 22°S05'43 20°S34'53 15°S44'25 13°S09'38 14°S05'46	1°38'36 1.45582 AU -0.6m 19°39'12 3°10'11 3°09'09 0.67515 AU	minimum elong max. Earth dist. evening rise  evening max el asc. node retrograde evening set inferior conj minimum elong min. Earth dist.  morning rise	13450 Apr 16 09:44 13450 Apr 16 03:35 13450 Apr 22 11:13 13450 May 01 15:13 13450 May 02 15:00 13450 May 23 04:04 13450 May 30 18:23 13450 Jun 02 01:34 13450 Jun 08 00:02 13450 Jun 12 03:58 13450 Jun 17 10:06 13450 Jun 17 09:45 13450 Jun 18 00:13 13450 Jun 22 09:10 13450 Jun 22 15:15 13450 Jun 28 00:31	4°821'38 3°856'22 14°809'33 28°828'56 0°11 0°\$ 9°\$06'20 11°\$12'23 13°\$52'09 12°\$13'56 6°\$05'55 6°\$07'06 5°\$17'09 30°\$11 29°1146'03 27°1123'50	1°00'46 1.44617 AU 20°42'21 3°11'49 3°10'45
minimum elong max. Earth dist.  evening rise  greatest brilliancy asc. node evening max el retrograde evening set inferior conj minimum elong min. Earth dist. morning rise direct desc. node	13449 May 05 17:33 13449 May 09 17:03 13449 May 09 20:53 13449 May 29 07:38 13449 Jun 05 00:51 13449 Jun 16 17:29 13449 Jun 24 01:02 13449 Jun 27 18:56 13449 Jul 03 03:12 13449 Jul 03 03:53 13449 Jul 04 07:08 13449 Jul 04 07:08 13449 Jul 14 09:32 13449 Jul 18 07:05 13449 Jul 26 11:43 13449 Aug 03 17:30	23°828'42 29°845'00 0°II 19°II04'12 0°S 10°S03'41 23°S39'28 25°S17'44 29°S25'31 28°S03'57 22°S07'59 22°S05'43 20°S34'53 15°S44'25 13°S09'38 14°S05'46 20°S24'31 0°\$\Omega\$	1°38'36 1.45582 AU -0.6m 19°39'12 3°10'11 3°09'09 0.67515 AU	minimum elong max. Earth dist. evening rise  evening max el asc. node retrograde evening set inferior conj minimum elong min. Earth dist.  morning rise direct  desc. node	13450 Apr 16 09:44 13450 Apr 16 03:35 13450 Apr 22 11:13 13450 May 01 15:13 13450 May 02 15:00 13450 May 23 04:04 13450 May 30 18:23 13450 Jun 02 01:34 13450 Jun 08 00:02 13450 Jun 17 09:45 13450 Jun 17 09:45 13450 Jun 18 00:13 13450 Jun 22 09:10 13450 Jun 22 15:15 13450 Jun 28 00:31 13450 Jul 04 11:31	4°821'38 3°856'22 14°809'33 28°828'56 0°11 0°9 9°906'20 11°912'23 13°952'09 12°913'56 6°905'55 6°907'06 5°917'09 30°811 29°1146'03 27°1123'50 0°9	1°00'46 1.44617 AU 20°42'21 3°11'49 3°10'45
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minimum elong max. Earth dist.  evening rise  greatest brilliancy asc. node evening max el retrograde evening set inferior conj minimum elong min. Earth dist. morning rise direct desc. node morning max el  morning set max. Earth dist.	13449 May 05 17:33 13449 May 09 17:03 13449 May 09 20:53 13449 May 29 07:38 13449 Jun 05 00:51 13449 Jun 15 04:29 13449 Jun 24 01:02 13449 Jun 27 18:56 13449 Jul 03 03:12 13449 Jul 03 03:53 13449 Jul 04 07:08 13449 Jul 08 12:24 13449 Jul 14 09:32 13449 Jul 18 07:05 13449 Jul 26 11:43 13449 Aug 03 17:30 13449 Aug 31 10:01 13449 Sep 04 00:19 13449 Sep 09 13:03	23°828'42 29°845'00 0°II 19°II 04'12 0°S 10°S03'41 23°S39'28 25°S17'44 29°S25'31 28°S03'57 22°S07'59 22°S05'43 20°S34'53 15°S44'25 13°S09'38 14°S05'46 20°S24'31 0°R 12°IP48'49 19°IP23'20 0°S 1°S39'13 1°S41'43	1°38'36 1.45582 AU -0.6m 19°39'12 3°10'11 3°09'09 0.67515 AU 25°16'21 1.36442 AU -0°08'00	minimum elong max. Earth dist. evening rise  evening max el asc. node retrograde evening set inferior conj minimum elong min. Earth dist.  morning rise direct  desc. node morning max el morning set max. Earth dist.	13450 Apr 16 09:44 13450 Apr 16 03:35 13450 Apr 22 11:13 13450 May 01 15:13 13450 May 02 15:00 13450 May 23 04:04 13450 May 30 18:23 13450 Jun 02 01:34 13450 Jun 12 03:58 13450 Jun 17 10:06 13450 Jun 17 09:45 13450 Jun 18 00:13 13450 Jun 22 09:10 13450 Jun 22 09:10 13450 Jun 22 15:15 13450 Jun 28 00:31 13450 Jun 28 00:31 13450 Jul 04 11:31 13450 Jul 05 04:20 13450 Jul 08 21:59 13450 Jul 28 22:11 13450 Aug 16 11:23 13450 Aug 16 21:52 13450 Aug 16 21:52	4°821'38 3°856'22 14°809'33 28°828'56 0°11 0°9 9°906'20 11°912'23 13°952'09 12°913'56 6°905'55 6°907'06 5°917'09 30°R11 29°146'03 27°123'50 0°9 0°931'51 3°954'44 0°10 24°109'31 0°10 0°1046'05	1°00'46 1.44617 AU 20°42'21 3°11'49 3°10'45 0.68437 AU 23°48'25 1.38746 AU -0°42'12
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minimum elong max. Earth dist.  evening rise  greatest brilliancy asc. node evening max el retrograde evening set inferior conj minimum elong min. Earth dist. morning rise direct desc. node morning max el  morning set max. Earth dist.	13449 May 05 17:33 13449 May 09 17:03 13449 May 09 20:53 13449 May 29 07:38 13449 Jun 05 00:51 13449 Jun 15 04:29 13449 Jun 24 01:02 13449 Jun 27 18:56 13449 Jul 03 03:12 13449 Jul 03 03:53 13449 Jul 04 07:08 13449 Jul 08 12:24 13449 Jul 18 07:05 13449 Jul 18 07:05 13449 Jul 26 11:43 13449 Aug 03 17:30 13449 Aug 23 23:36 13449 Aug 23 23:36 13449 Sep 04 00:19 13449 Sep 10 09:07 13449 Sep 10 15:14 13449 Sep 10 15:14	23° 828'42 29° 845'00 0° II 19° II 04'12 0° 95 10° 903'41 23° 939'28 25° 917'44 29° 925'31 28° 903'57 22° 905'43 20° 934'53 15° 944'25 13° 909'38 14° 905'46 20° 924'31 0° N 12° II 48'49 19° II 23'20 0° 9 1° \$\textbf{23}'21 1° \$\textbf{24}'43 1° \$\textbf{24}'43 1° \$\textbf{21}'35'7 2° \$\textbf{20}'93'3	1°38'36 1.45582 AU -0.6m 19°39'12 3°10'11 3°09'09 0.67515 AU 25°16'21 1.36442 AU -0°08'00	minimum elong max. Earth dist. evening rise  evening max el asc. node retrograde evening set inferior conj minimum elong min. Earth dist.  morning rise direct  desc. node morning max el morning set max. Earth dist.  superior conj minimum elong asc. node	13450 Apr 16 09:44 13450 Apr 16 03:35 13450 Apr 22 11:13 13450 May 01 15:13 13450 May 02 15:00 13450 May 23 04:04 13450 May 30 18:23 13450 Jun 02 01:34 13450 Jun 12 03:58 13450 Jun 17 10:06 13450 Jun 17 09:45 13450 Jun 18 00:13 13450 Jun 22 09:10 13450 Jun 22 15:15 13450 Jun 28 00:31 13450 Jun 28 00:31 13450 Jul 04 11:31 13450 Jul 05 04:20 13450 Jul 08 21:59 13450 Jul 28 22:11 13450 Aug 16 11:23 13450 Aug 16 11:23 13450 Aug 24 09:52 13450 Aug 24 12:52 13450 Aug 29 02:10 13450 Sep 01 10:56	4°821'38 3°856'22 14°809'33 28°828'56 0°11 0°9 9°906'20 11°912'23 13°952'09 12°913'56 6°905'55 6°907'06 5°917'09 30°R11 29°1146'03 27°1123'50 0°9 0°931'51 3°954'44 0°0 24°009'31 0°10 0°10 0°10 0°10 0°10 0°10 14°10 14°10 14°10 156 23°10 25'08 0°9	1°00'46 1.44617 AU 20°42'21 3°11'49 3°10'45 0.68437 AU 23°48'25 1.38746 AU -0°42'12
minimum elong max. Earth dist.  evening rise  greatest brilliancy asc. node evening max el retrograde evening set inferior conj minimum elong min. Earth dist. morning rise direct desc. node morning max el  morning set max. Earth dist.	13449 May 05 17:33 13449 May 09 17:03 13449 May 09 20:53 13449 May 29 07:38 13449 May 29 07:38 13449 Jun 05 00:51 13449 Jun 16 17:29 13449 Jun 24 01:02 13449 Jun 27 18:56 13449 Jul 03 03:12 13449 Jul 03 03:53 13449 Jul 04 07:08 13449 Jul 14 09:32 13449 Jul 18 07:05 13449 Jul 18 07:05 13449 Jul 26 11:43 13449 Aug 03 17:30 13449 Aug 23 23:36 13449 Aug 31 10:01 13449 Sep 04 00:19 13449 Sep 10 09:07 13449 Sep 10 09:07 13449 Sep 10 09:38 13449 Sep 10 09:38 13449 Sep 10 09:36 13449 Sep 10 15:14 13449 Sep 11 05:36 13449 Sep 11 05:36 13449 Sep 11 05:36	23°828'42 29°845'00 0°II 19°II 04'12 0°S 10°S03'41 23°S39'28 25°S17'44 29°S25'31 28°S03'57 22°S07'59 22°S05'43 20°S34'53 15°S44'25 13°S09'38 14°S05'46 20°S24'31 0°N 12°M48'49 19°M23'20 0°S 1°S4'143 1°S13'57 2°S09'33 3°S21'07 18°S05'08	1°38'36 1.45582 AU -0.6m 19°39'12 3°10'11 3°09'09 0.67515 AU 25°16'21 1.36442 AU -0°08'00	minimum elong max. Earth dist. evening rise  evening max el asc. node retrograde evening set inferior conj minimum elong min. Earth dist.  morning rise direct  desc. node morning max el morning set max. Earth dist.  superior conj minimum elong asc. node evening rise	13450 Apr 16 09:44 13450 Apr 16 03:35 13450 Apr 22 11:13 13450 May 01 15:13 13450 May 02 15:00 13450 May 23 04:04 13450 May 30 18:23 13450 Jun 02 01:34 13450 Jun 12 03:58 13450 Jun 17 10:06 13450 Jun 17 09:45 13450 Jun 18 00:13 13450 Jun 22 09:10 13450 Jun 22 15:15 13450 Jun 28 00:31 13450 Jun 28 00:31 13450 Jul 04 11:31 13450 Jul 05 04:20 13450 Jul 08 21:59 13450 Jul 28 22:11 13450 Aug 16 11:23 13450 Aug 16 11:23 13450 Aug 24 09:52 13450 Aug 24 12:52 13450 Aug 29 02:10 13450 Sep 01 10:56 13450 Sep 02 11:07	4°821'38 3°856'22 14°809'33 28°828'56 0°II 0°S 9°S06'20 11°S12'23 13°S52'09 12°S13'56 6°S05'55 6°S07'06 5°S17'09 30°RII 29°I146'03 27°II23'50 0°S 0°S31'51 3°S54'44 0°R 24°R09'31 0°IP 0°IP46'05 14°IP26'46 14°IP40'56 23°IP25'08 0°S 1°S58'30	1°00'46 1.44617 AU 20°42'21 3°11'49 3°10'45 0.68437 AU 23°48'25 1.38746 AU -0°42'12 0°42'02
minimum elong max. Earth dist.  evening rise  greatest brilliancy asc. node evening max el retrograde evening set inferior conj minimum elong min. Earth dist. morning rise direct desc. node morning max el  morning set max. Earth dist.	13449 May 05 17:33 13449 May 09 17:03 13449 May 09 20:53 13449 May 22 04:04 13449 May 29 07:38 13449 Jun 05 00:51 13449 Jun 16 17:29 13449 Jun 24 01:02 13449 Jun 27 18:56 13449 Jul 03 03:12 13449 Jul 04 07:08 13449 Jul 18 07:05 13449 Jul 18 07:05 13449 Jul 18 07:05 13449 Jul 26 11:43 13449 Aug 03 17:30 13449 Aug 23 23:36 13449 Aug 31 10:01 13449 Sep 04 00:19 13449 Sep 10 09:07 13449 Sep 10 09:07 13449 Sep 10 09:07 13449 Sep 10 09:38 13449 Sep 10 09:38 13449 Sep 10 09:36 13449 Sep 10 09:36 13449 Sep 10 09:36 13449 Sep 10 09:36 13449 Sep 10 05:36 13449 Sep 11 05:36 13449 Sep 18 11:46 13449 Sep 24 13:08	23° 828'42 29° 845'00 0° II 19° II 04'12 0° 90 10° 903'41 23° 939'28 25° 917'44 29° 925'31 28° 903'57 22° 905'43 20° 934'53 15° 944'25 13° 909'38 14° 905'46 20° 924'31 0° N 12° III 48'49 19° III 23'20 0° 9 1° 939'13 1° 941'43 1° 913'57 2° 909'33 3° 921'07 18° 905'08 0° III	1°38'36 1.45582 AU  -0.6m  19°39'12  3°10'11 3°09'09 0.67515 AU  25°16'21  1.36442 AU  -0°08'00 0°07'59	minimum elong max. Earth dist. evening rise  evening max el asc. node retrograde evening set inferior conj minimum elong min. Earth dist.  morning rise direct  desc. node morning max el morning set max. Earth dist.  superior conj minimum elong asc. node	13450 Apr 16 09:44 13450 Apr 16 03:35 13450 Apr 22 11:13 13450 May 01 15:13 13450 May 02 15:00 13450 May 30 18:23 13450 May 30 18:23 13450 Jun 02 01:34 13450 Jun 12 03:58 13450 Jun 17 10:06 13450 Jun 17 09:45 13450 Jun 18 00:13 13450 Jun 22 09:10 13450 Jun 22 15:15 13450 Jun 28 00:31 13450 Jun 28 00:31 13450 Jun 28 13:15 13450 Jun 08 21:59 13450 Jul 08 21:59 13450 Jul 08 21:59 13450 Jul 28 22:11 13450 Aug 16 11:23 13450 Aug 16 11:23 13450 Aug 16 11:23 13450 Aug 24 09:52 13450 Aug 24 09:52 13450 Aug 29 02:10 13450 Sep 01 10:56 13450 Sep 02 11:07 13450 Sep 02 11:07	4°821'38 3°856'22 14°809'33 28°828'56 0°II 0°S 9°S06'20 11°S12'23 13°S52'09 12°S13'56 6°S05'55 6°S07'06 5°S17'09 30°RII 29°I146'03 27°I123'50 0°S 0°S31'51 3°S54'44 0°R 24°R09'31 0°ID 0°ID 14°ID 14°ID 14°ID 156 23°ID 125'08 0°S 11°S 14°ID 156 14°ID 156 14°ID 158'30 28°S 29'03	1°00'46 1.44617 AU 20°42'21 3°11'49 3°10'45 0.68437 AU 23°48'25 1.38746 AU -0°42'12
minimum elong max. Earth dist.  evening rise  greatest brilliancy asc. node evening max el retrograde evening set inferior conj minimum elong min. Earth dist. morning rise direct desc. node morning max el  morning set max. Earth dist.	13449 May 05 17:33 13449 May 09 17:03 13449 May 09 20:53 13449 May 29 07:38 13449 May 29 07:38 13449 Jun 05 00:51 13449 Jun 16 17:29 13449 Jun 24 01:02 13449 Jun 27 18:56 13449 Jul 03 03:12 13449 Jul 03 03:53 13449 Jul 04 07:08 13449 Jul 14 09:32 13449 Jul 18 07:05 13449 Jul 18 07:05 13449 Jul 26 11:43 13449 Aug 03 17:30 13449 Aug 23 23:36 13449 Aug 31 10:01 13449 Sep 04 00:19 13449 Sep 10 09:07 13449 Sep 10 09:07 13449 Sep 10 09:38 13449 Sep 10 09:38 13449 Sep 10 09:36 13449 Sep 10 15:14 13449 Sep 11 05:36 13449 Sep 11 05:36 13449 Sep 11 05:36	23°828'42 29°845'00 0°II 19°II 04'12 0°S 10°S03'41 23°S39'28 25°S17'44 29°S25'31 28°S03'57 22°S07'59 22°S05'43 20°S34'53 15°S44'25 13°S09'38 14°S05'46 20°S24'31 0°N 12°M48'49 19°M23'20 0°S 1°S4'143 1°S13'57 2°S09'33 3°S21'07 18°S05'08	1°38'36 1.45582 AU -0.6m 19°39'12 3°10'11 3°09'09 0.67515 AU 25°16'21 1.36442 AU -0°08'00	minimum elong max. Earth dist. evening rise  evening max el asc. node retrograde evening set inferior conj minimum elong min. Earth dist.  morning rise direct  desc. node morning max el morning set max. Earth dist.  superior conj minimum elong asc. node evening rise	13450 Apr 16 09:44 13450 Apr 16 03:35 13450 Apr 22 11:13 13450 May 01 15:13 13450 May 02 15:00 13450 May 23 04:04 13450 May 30 18:23 13450 Jun 02 01:34 13450 Jun 12 03:58 13450 Jun 17 10:06 13450 Jun 17 09:45 13450 Jun 18 00:13 13450 Jun 22 09:10 13450 Jun 22 15:15 13450 Jun 28 00:31 13450 Jun 28 00:31 13450 Jul 04 11:31 13450 Jul 05 04:20 13450 Jul 08 21:59 13450 Jul 28 22:11 13450 Aug 16 11:23 13450 Aug 16 11:23 13450 Aug 24 09:52 13450 Aug 24 12:52 13450 Aug 29 02:10 13450 Sep 01 10:56 13450 Sep 02 11:07	4°821'38 3°856'22 14°809'33 28°828'56 0°II 0°S 9°S06'20 11°S12'23 13°S52'09 12°S13'56 6°S05'55 6°S07'06 5°S17'09 30°RII 29°I146'03 27°II23'50 0°S 0°S31'51 3°S54'44 0°R 24°R09'31 0°IP 0°IP46'05 14°IP26'46 14°IP40'56 23°IP25'08 0°S 1°S58'30	1°00'46 1.44617 AU 20°42'21 3°11'49 3°10'45 0.68437 AU 23°48'25 1.38746 AU -0°42'12 0°42'02

. ,	12450 G 20 04 25	20M 25150			12451 6 00 00 07	1.40 <b>0</b> .41150	
evening set	13450 Sep 29 04:35	2°M35'59		retrograde	13451 Sep 09 09:07	14° <b>£</b> 41'58	
desc. node	13450 Oct 01 00:50	2°M03'33		evening set	13451 Sep 11 11:54	14° <b>£</b> 24'15	
	13450 Oct 04 22:45	30° <b>₹</b> Ω		desc. node	13451 Sep 17 22:22	10° <b>£</b> 36'10	
inferior conj	13450 Oct 07 10:39	28° <b>≙</b> 17'20		inferior conj	13451 Sep 18 23:28	9° <b>≏</b> 44'31	
minimum elong	13450 Oct 07 05:31	28° <b>Ω</b> 26'28	1°59'22	minimum elong	13451 Sep 18 22:45	9° <b>≙</b> 46'01	0°19'19
min. Earth dist.	13450 Oct 10 10:33	26° <b>Ω</b> 09'56	0.56611 AU	min. Earth dist.	13451 Sep 22 06:47	7° <b>≙</b> 00'28	0.58638 AU
morning rise	13450 Oct 15 03:16	23° <b>£</b> 26′03		morning rise	13451 Sep 26 06:10	4° <b>≏</b> 17'20	
direct	13450 Oct 20 20:49	22° <b>≏</b> 07'28		direct	13451 Oct 02 13:34	2° <b>≏</b> 31'25	
morning max el	13450 Nov 04 01:38	29° <b>≏</b> 27'24	26°15'37	morning max el	13451 Oct 16 21:09	10° <b>≏</b> 12'31	27°24'50
	13450 Nov 04 15:01	0°M₊			13451 Nov 01 03:48	0°M₊	
asc. node	13450 Nov 25 03:50	29°M50'23		asc. node	13451 Nov 12 00:39	19°M17'09	
	13450 Nov 25 05:52	0° <b>∡</b> ¹		morning set	13451 Nov 16 22:04	29°M18'19	
morning set	13450 Dec 02 14:04	14° <b>₹</b> 52′24			13451 Nov 17 05:54	0° <b>∡</b> ¹	
						=	
superior conj	13450 Dec 09 08:59	29° <b>√</b> 49'55	1°37'19	superior conj	13451 Nov 23 20:38	14° <b>∡</b> ³32′20	1°31'10
minimum elong	13450 Dec 09 08:23	29° <b>∡</b> ¹46'37	1°38'21	minimum elong	13451 Nov 23 19:08	14° <b>∡</b> ¹23'56	1°32'02
	13450 Dec 09 10:47	0°₹		max. Earth dist.	13451 Nov 23 14:05	13° <b>∡</b> ¹55'41 −	1.31205 AU
max. Earth dist.	13450 Dec 10 05:35	1° <b>る</b> 44'28	1.31508 AU	evening rise	13451 Nov 30 14:34	29° <b>∡</b> ¹24'54	
evening rise	13450 Dec 16 08:11	15° <b>ට</b> 00'28			13451 Nov 30 21:08	0°ਰ	
	13450 Dec 23 21:50	0° <b>≈</b>		desc. node	13451 Dec 14 19:32	26° <b>ප</b> 17'14	
desc. node	13450 Dec 27 22:33	7° <b>≈</b> 11'05			13451 Dec 17 04:20	0° <b>≈</b>	
	13451 Jan 12 20:23	0° <b>∀</b>		evening max el	13451 Dec 30 03:02	16° <b>≈</b> 08′13	26°36'42
evening max el	13451 Jan 17 01:23	4° <b>)</b> 23′55	27°22'21	retrograde	13452 Jan 13 02:00	23° <b>≈</b> 15'55	
retrograde	13451 Jan 31 00:16	11° <b>) (</b> 42′07		evening set	13452 Jan 19 15:22	21° <b>≈</b> 30′00	
evening set	13451 Feb 06 21:11	9° <b>∺</b> 33'02		min. Earth dist.	13452 Jan 23 16:53	18° <b>≈</b> 52'50	0.58977 AU
min. Earth dist.	13451 Feb 10 15:52	6° <b>)</b> 43′53	0.61146 AU	inferior conj	13452 Jan 26 20:45	16° <b>≈</b> 27'18	-3°45'20
inferior conj	13451 Feb 13 18:25	3° <b>¥</b> 59′26	-2°21'53	minimum elong	13452 Jan 27 04:42	16° <b>≈</b> 12'01	3°41'54
minimum elong	13451 Feb 13 23:27	3° <b>)</b> 48′17	2°19'22	morning rise	13452 Feb 03 21:01	11° <b>≈</b> 52′26	
	13451 Feb 19 00:08	30° <b>R</b> ≈		direct	13452 Feb 05 21:57	11° <b>≈</b> 37'41	
morning rise	13451 Feb 21 04:45	29° <b>≈</b> 03'36		asc. node	13452 Feb 07 23:25	11° <b>≈</b> 53'27	
asc. node	13451 Feb 21 02:01	29° <b>≈</b> 05'39		morning max el	13452 Feb 13 19:50	15° <b>≈</b> 32'27	18°18'56
direct	13451 Feb 23 07:46	28° <b>≈</b> 44'37		Č	13452 Feb 23 20:16	0° <b>)</b>	
	13451 Feb 27 11:40	0° <b>∀</b>		morning set	13452 Feb 29 13:42	10° <b>)</b> € 37'42	
morning max el	13451 Mar 02 08:39	2° <b>)</b> 17′06	17°53'01	C			
morning set	13451 Mar 17 23:35	26° <b>)</b> (40′29		superior conj	13452 Mar 09 22:20	28° <b>₩</b> 10'07	0°15'30
	13451 Mar 19 19:38	0°Υ		minimum elong	13452 Mar 09 23:29	28° <b>¥</b> 15'18	0°15'28
desc. node	13451 Mar 26 00:19	11° <b>Υ</b> 04'16		behind sun begin	13452 Mar 09 21:41	28° <b>)</b> (07'07	
				behind sun end	13452 Mar 10 01:16	28° <b>)</b> 23'28	
superior conj	13451 Mar 28 16:51	15° <b>Ƴ</b> 45'11	-0°21'07	ocimia sun cha	13452 Mar 10 22:34	0°Υ	
minimum elong	13451 Mar 28 14:57			desc. node	13452 Mar 11 20:50	1° <b>Y</b> '40'07	
max. Earth dist.	13451 Apr 05 01:42	28° <b>Y</b> ′08'16	1.43041 AU	max. Earth dist.	13452 Mar 17 11:57	11° <b>Y</b> '30'30	1.41021 AU
max. Latin dist.	13451 Apr 06 05:06	0°8	1.43041 AC	evening rise	13452 Mar 22 01:41	19° <b>Υ</b> 08'48	1.41021 AO
evening rise	13451 Apr 00 03:00	8° <b>8</b> 23'12		evening rise	13452 Mar 28 21:17	0° <b>8</b>	
evening rise	13451 Apr 25 19:11	0°Ⅱ			13452 Apr 19 04:32	0°II	
evening max el	13451 May 13 13:55	22° <b>I</b> 55'54	21056124	evening max el	13452 Apr 25 05:32	6° <b>Ⅱ</b> 46'51	23°16'49
asc. node	•	22 <b>H</b> 33 34 27° <b>H</b> 44'15	21 30 34	retrograde	-	12° <b>I</b> I58'02	23 10 49
	13451 May 19 22:45	27 <b>H</b> 44 13 28° <b>H</b> 24'45		asc. node	13452 May 05 17:42	12 <b>II</b> 58 02	
retrograde	13451 May 22 22:03 13451 May 27 12:52	26° <b>II</b> 30'32			13452 May 05 20:02	12 <b>∏</b> 38 00 10° <b>∏</b> 49'13	
evening set	13451 Jun 01 19:18	20° II 12'20	3°02'21	evening set min. Earth dist.	13452 May 10 20:00	5° <b>∏</b> 04'14	0.68854 AU
inferior conj			3°01'11		13452 May 15 16:58		
minimum elong	13451 Jun 01 18:04	20° <b>I</b> 16'39		inferior conj	13452 May 16 04:50	4° <b>Ⅱ</b> 23'17	2°42'32
min. Earth dist.	13451 Jun 01 20:13	20°II09'08	0.68883 AU	minimum elong	13452 May 16 02:57	4° <b>Ⅱ</b> 29'46	2°41'16
morning rise	13451 Jun 06 23:04	13° <b>I</b> 58′20			13452 May 19 14:54	30°R8	
direct	13451 Jun 11 19:38	11° <b>I</b> I53'49	22212112	morning rise	13452 May 21 09:50	28° <b>8</b> 16'34	
morning max el	13451 Jun 21 09:54	17° <b>Ⅱ</b> 32′28	22°19'19	direct	13452 May 25 17:38	26° <b>8</b> 32'28	
desc. node	13451 Jun 22 01:28	18° <b>Ⅱ</b> 12'15			13452 Jun 01 16:32	0°II	
	13451 Jul 01 17:18	0°©		morning max el	13452 Jun 03 02:46	1° <b>Ⅱ</b> 20'34	20°56'53
• .	13451 Jul 21 23:57	0°N		desc. node	13452 Jun 07 22:29	6° <b>Ⅱ</b> 46'57	
morning set	13451 Jul 24 18:19	4° <b>Ω</b> 26'07	4 440== :==		13452 Jun 24 11:37	0°©	
max. Earth dist.	13451 Jul 29 21:40	12° <b>Ω</b> 54'45	1.41075 AU	morning set	13452 Jul 03 10:07	13°539'32	
				max. Earth dist.	13452 Jul 11 04:03	25°958'32	1.43145 AU
superior conj	13451 Aug 06 17:30	26° <b>Ω</b> 27'46			13452 Jul 13 15:11	$0$ $\circ$ $\Omega$	
minimum elong	13451 Aug 06 23:16	26° <b>Ω</b> 53'29	1°16'54			_	
	13451 Aug 08 16:47	0° <b>m</b>		superior conj	13452 Jul 18 03:37	7° <b>Ω</b> 31'43	
asc. node	13451 Aug 15 22:47	13° <b>m</b> 23'03		minimum elong	13452 Jul 18 10:50	8° <b>Ω</b> 02'11	1°48'20
evening rise	13451 Aug 17 00:42	15° <b>m</b> 24'18		evening rise	13452 Jul 30 00:08	28° <b>Ω</b> 11′05	
	13451 Aug 25 02:03	0∘ <b>⊽</b>			13452 Jul 31 00:37	0° <b>m</b>	
evening max el	13451 Sep 01 23:45	10° <b>≙</b> 57'10	18°18'08	asc. node	13452 Aug 01 19:27	3° <b>m</b> ) 10'15	

arranina marral	12452 Aug 15 11.56	220 m 57107	10002126		13453 Jul 24 07:23	0° m	
evening max el	13452 Aug 15 11:56	23° m 57'07	18 03 20		13453 Jul 30 02:16	0 ių 7°Mo20'04	18°07'37
retrograde evening set	13452 Aug 22 03:52	27° My 22'43		evening max el		10° Mp 40'36	18 0/3/
inferior conj	13452 Aug 24 14:20 13452 Aug 31 08:29	26° m 55'09 21° m 55'07	1°02'16	retrograde evening set	13453 Aug 05 11:09 13453 Aug 08 05:53	10° Mp 00'14	
minimum elong	•	-	1°02'10 1°01'23	inferior conj	13453 Aug 08 03:55	4° m 42'20	2°01'41
min. Earth dist.	13452 Aug 31 10:16 13452 Sep 03 11:44	21° m 50'50 18° m 54'57	0.60909 AU	minimum elong	0	4° my 35'29	2°00'26
			0.60909 AU	U	13453 Aug 14 12:25	1° Mp 47'08	
desc. node	13452 Sep 03 19:55	18° M) 36'22		min. Earth dist.	13453 Aug 17 02:30	-	0.63148 AU
morning rise	13452 Sep 07 03:21	15° <b>m</b> 59'41			13453 Aug 18 21:44	30°R€	
direct	13452 Sep 13 18:09	13° m 48'29	2707 (142	morning rise	13453 Aug 20 17:00	28° <b>Ω</b> 28'54	
morning max el	13452 Sep 28 00:10	21° m/44'08	27°56'42	desc. node	13453 Aug 21 17:24	27° <b>Ω</b> 46'20	
	13452 Oct 05 05:59	0∘ <b>亚</b>		direct	13453 Aug 27 08:55	25° <b>Ω</b> 58'50	
	13452 Oct 24 06:00	0°M			13453 Sep 05 20:37	0° my	250 40152
asc. node	13452 Oct 28 21:24	9° <b>™</b> 01'27		morning max el	13453 Sep 10 08:35	4° 100'36	27°49'52
morning set	13452 Oct 31 01:21	13°M27'25			13453 Sep 29 20:25	0∘ <b>⊽</b>	
max. Earth dist.	13452 Nov 05 21:22	25°M59'59	1.31418 AU	morning set	13453 Oct 14 21:41	27° <b>△</b> 14'30	
				asc. node	13453 Oct 15 18:04	28° <b>♀</b> 57'50	
superior conj	13452 Nov 07 07:22	29°M08'10	1°19'17		13453 Oct 16 06:14	0°M	
minimum elong	13452 Nov 07 05:16	28°M56'27	1°19'50	max. Earth dist.	13453 Oct 19 23:29	7° <b>M</b> 47'49	1.32160 AU
	13452 Nov 07 16:42	0° <b>∡</b> ¹					
evening rise	13452 Nov 14 00:14	13° <b>∡</b> ′55'42		superior conj	13453 Oct 22 15:16	13°M32'21	1°01'43
	13452 Nov 21 22:30	0°ಕ		minimum elong	13453 Oct 22 13:00	13°M20'00	1°01'58
desc. node	13452 Nov 30 16:37	14° <b>る</b> 38'19		evening rise	13453 Oct 29 11:19	28°M28'06	
evening max el	13452 Dec 10 20:07	26° <b>る</b> 59'20	25°19'14		13453 Oct 30 04:28	0° <b>∡</b> ¹	
	13452 Dec 14 09:29	0° <b>≈</b>			13453 Nov 16 01:26	0°ಕ	
retrograde	13452 Dec 24 16:18	3° <b>≈</b> 56'37		desc. node	13453 Nov 17 13:48	1° <b>る</b> 57'28	
evening set	13452 Dec 30 12:15	2° <b>≈</b> 39'29		evening max el	13453 Nov 22 06:36	7° <b>る</b> 09'49	23°41'14
	13453 Jan 04 07:42	30°Ŗる		retrograde	13453 Dec 05 18:09	13° <b>る</b> 52'34	
min. Earth dist.	13453 Jan 04 08:15	29° <b>る</b> 59'07	0.56967 AU	evening set	13453 Dec 10 09:25	13° <b>る</b> 05'46	
inferior conj	13453 Jan 07 03:04	28°る08'00	-5°01'39	min. Earth dist.	13453 Dec 16 17:12	10°る02'59	0.55402 AU
minimum elong	13453 Jan 07 11:38	27° <b>る</b> 53'43	4°58'44	inferior conj	13453 Dec 18 12:54	8° <b>る</b> 58'19	-5°50'22
morning rise	13453 Jan 15 13:28	23° <b>る</b> 55'29		minimum elong	13453 Dec 18 16:47	8° <b>る</b> 52'32	5°49'02
direct	13453 Jan 17 18:05	23° <b>ප්</b> 41'21		morning rise	13453 Dec 27 01:58	5° <b>る</b> 04'22	
asc. node	13453 Jan 24 20:46	26° <b>පි</b> 21'41		direct	13453 Dec 29 18:29	4° <b>る</b> 46'30	
morning max el	13453 Jan 26 21:57	28° <b>る</b> 08'02	19°06'17	morning max el	13454 Jan 09 11:13	9° <b>る</b> 53'33	20°16'35
	13453 Jan 28 16:13	0° <b>≈</b>		asc. node	13454 Jan 11 18:02	12° <b>る</b> 18'24	
morning set	13453 Feb 12 13:34	25° <b>≈</b> 00'06			13454 Jan 22 23:54	0° <b>≈</b>	
	13453 Feb 15 02:03	0° <b>)</b> €		morning set	13454 Jan 27 19:46	9° <b>≈</b> 37'23	
superior conj	13453 Feb 20 21:49	11° <b>)</b> €24'25	0°45'54	superior conj	13454 Feb 04 10:43	25° <b>≈</b> 14'49	1°09'13
minimum elong	13453 Feb 21 00:22	11° <b>∺</b> 36'39	0°45'55	minimum elong	13454 Feb 04 13:26	25° <b>≈</b> 28′29	1°09'31
desc. node	13453 Feb 26 17:21	22° <b>∺</b> 16′10			13454 Feb 06 19:56	0° <b>∀</b>	
max. Earth dist.	13453 Feb 27 18:46	24° <b>₭</b> 10'45	1.38777 AU	max. Earth dist.	13454 Feb 10 01:39	6° <b>ℋ</b> 16'16	1.36565 AU
	13453 Mar 03 02:01	$\gamma^{\circ}$		evening rise	13454 Feb 13 20:34	13° <b>¥</b> 18′52	
evening rise	13453 Mar 03 13:28	0° <b>Ƴ</b> 49'25		desc. node	13454 Feb 13 13:53	12° <b>)</b> 48′25	
	13453 Mar 22 04:14	0°B			13454 Feb 23 14:26	$0^{\circ}$ Y	
evening max el	13453 Apr 07 19:13	20° <b>8</b> 39'20	24°36'53		13454 Mar 17 02:45	0° <b>႘</b>	
retrograde	13453 Apr 19 09:50	27° <b>8</b> 26'33		evening max el	13454 Mar 21 08:35	4° <b>8</b> 30'32	25°49'51
asc. node	13453 Apr 22 17:22	26° <b>8</b> 38'14		retrograde	13454 Apr 02 21:28	11° <b>8</b> 42'56	
evening set	13453 Apr 24 23:50	25° <b>8</b> 05'41		evening set	13454 Apr 08 22:39	9° <b>8</b> 13'48	
min. Earth dist.	13453 Apr 29 12:23	19° <b>8</b> 56'55	0.68361 AU	asc. node	13454 Apr 09 14:46	8° <b>8</b> 38'21	
inferior conj	13453 Apr 30 12:49	18° <b>8</b> 35'27	2°12'35	min. Earth dist.	13454 Apr 13 04:24	4° <b>8</b> 40'24	0.67427 AU
minimum elong	13453 Apr 30 10:39	18° <b>8</b> 42'39	2°11'17	inferior conj	13454 Apr 14 17:16	2° <b>8</b> 43'57	1°32'10
morning rise	13453 May 05 21:41	12° <b>8</b> 37'05		minimum elong	13454 Apr 14 15:20	2° <b>8</b> 50'05	1°31'03
direct	13453 May 09 17:11	11° <b>8</b> 13'54			13454 Apr 16 23:11	30° <b>ŖƳ</b>	
morning max el	13453 May 17 02:54	15° <b>8</b> 20'47	19°46'35	morning rise	13454 Apr 20 08:38	26° <b>Ƴ</b> 55'13	
desc. node	13453 May 25 19:21	26° <b>8</b> 01'27		direct	13454 Apr 23 16:46	25° <b>Ƴ</b> 51'31	
	13453 May 28 14:42	$\Pi$ $^{\circ}0$		morning max el	13454 Apr 30 10:24	29° <b>Ƴ</b> 29'44	18°51'19
greatest brilliancy	13453 May 30 00:25	2° <b>Ⅱ</b> 02'16	-0.6m		13454 Apr 30 22:31	0°8	
morning set	13453 Jun 12 12:02	22° <b>II</b> 20'43		desc. node	13454 May 12 16:06	15° <b>8</b> 44'25	
-	13453 Jun 17 10:55	0ಂತಾ		greatest brilliancy	13454 May 14 03:57	18° <b>8</b> 00'18	-0.8m
max. Earth dist.	13453 Jun 23 16:52		1.44716 AU	-	13454 May 21 22:29	0°Щ	
				morning set	13454 May 22 20:44	1° <b>Ⅱ</b> 26′26	
superior conj	13453 Jun 28 13:54	17° <b>©</b> 35'37	-2°08'56	max. Earth dist.	13454 Jun 06 10:06	24° <b>Ⅱ</b> 07'02	1.45632 AU
minimum elong	13453 Jun 28 18:35	17° <b>9</b> 54'30				· · -	-
<b>U</b>	13453 Jul 06 03:45	0°N		superior conj	13454 Jun 08 04:17	26° <b>Ⅱ</b> 52'09	-2°12'35
evening rise	13453 Jul 12 04:25	10° <b>Ω</b> 07'09		minimum elong	13454 Jun 08 01:48	26° <b>∏</b> 42'27	
asc. node	13453 Jul 19 16:11	22° <b>Ω</b> 42'14			13454 Jun 10 04:08	0°95	

	12454 7 22 00 56	210001117			12455 X 22 22 22	22.0	
evening rise	13454 Jun 23 08:56	21°501'47		1	13455 Jun 22 23:30	0° <b>N</b>	
1	13454 Jun 28 22:25	0°Ω		asc. node	13455 Jun 23 09:53	0° <b>Ω</b> 33'11	10000125
asc. node	13454 Jul 06 12:59	11° <b>Ω</b> 52'27	10020155	evening max el	13455 Jun 27 01:14		19°09'25
evening max el	13454 Jul 13 15:33	20°Ω57'34 24°Ω26'23	18°29'55	retrograde	13455 Jul 03 23:02	8°Ω32'47 7°Ω20'55	
retrograde	13454 Jul 20 02:41	$24^{\circ} \Omega 26^{\circ} 23^{\circ} \Omega 31^{\circ} 00$		evening set	13455 Jul 07 11:30 13455 Jul 12 22:18	1°Ω32'54	2902127
evening set	13454 Jul 23 06:02 13454 Jul 28 23:41	$17^{\circ} \Omega 57'19$	2°41'01	inferior conj	13455 Jul 12 22:18 13455 Jul 12 23:34	$1^{\circ} \Omega 28'47$	
inferior conj minimum elong	13454 Jul 29 01:50	$17^{\circ}\Omega_{50'50}$	2°39'49	minimum elong	13455 Jul 14 03:01	30°RS	3 02 32
min. Earth dist.	13454 Jul 31 02:34	$15^{\circ}\Omega 24'53$	0.65147 AU	min. Earth dist.	13455 Jul 14 10:34	29°©35'50	0.66777 AU
morning rise	13454 Aug 03 20:29	13° <b>Ω</b> 35'11	0.03147 AU	morning rise	13455 Jul 18 11:01	25°\$08'44	0.00777 AC
desc. node	13454 Aug 08 14:50	9° <b>Ω</b> 06'15		direct	13455 Jul 24 14:24	22° <b>©</b> 29'31	
direct	13454 Aug 10 08:12	8°Ω55'32		desc. node	13455 Jul 26 12:13	22°942'58	
morning max el	13454 Aug 23 19:24	16° <b>Ω</b> 51'04	27°09'09	dese. Hode	13455 Aug 06 05:01	0°Ω	
morning max er	13454 Sep 03 17:46	0° mp	27 07 07	morning max el	13455 Aug 06 06:17	0° <b>Ω</b> 03'14	26°02'35
	13454 Sep 22 16:48	0∘ <del>⊽</del>		morning man or	13455 Aug 28 15:39	0° m)	20 0235
morning set	13454 Sep 28 08:22	10° <b>≏</b> 32'58		morning set	13455 Sep 11 05:55	23° m) 13'41	
max. Earth dist.	13454 Oct 02 16:55	19° <b>₽</b> 13'03	1.33439 AU		13455 Sep 14 20:04	0∘ <del>ত</del>	
asc. node	13454 Oct 02 14:41	19° <b>Ω</b> 01'40		max. Earth dist.	13455 Sep 15 00:14	0° <b>£</b> 20'08	1.35227 AU
				asc. node	13455 Sep 19 11:15	9° <b>ഫ</b> 08'26	
superior conj	13454 Oct 06 18:13	27° <b>≏</b> 39'23	0°38'36		1		
minimum elong	13454 Oct 06 16:24	27° <b>≏</b> 29'48	0°38'39	superior conj	13455 Sep 20 13:36	11° <b>≏</b> 22'00	0°10'21
	13454 Oct 07 20:42	$0^{\circ}$ M		minimum elong	13455 Sep 20 13:00	11° <b>≏</b> 18'59	0°10'20
evening rise	13454 Oct 13 21:59	12°M57'28		behind sun begin	13455 Sep 20 08:19	10° <b>≙</b> 55'08	
	13454 Oct 22 12:01	0°∡7		behind sun end	13455 Sep 20 17:42	11° <b>≏</b> 42'51	
evening max el	13454 Nov 03 18:28	17° <b>∡</b> 12'44	22°00'04	evening rise	13455 Sep 28 06:12	27° <b>≏</b> 17'59	
desc. node	13454 Nov 04 11:04	17° <b>∡</b> 52′21			13455 Sep 29 13:39	$0^{\circ}$ M	
retrograde	13454 Nov 16 08:37	23° <b>∡</b> ¹27'14		evening max el	13455 Oct 16 16:45	27° <b>M</b> 42'57	20°31'04
evening set	13454 Nov 19 14:09	23° <b>х</b> 03′59			13455 Oct 19 07:00	0° <b>∡</b> ¹	
inferior conj	13454 Nov 28 07:47	19° <b>₹</b> ′09′23	-5°48'01	desc. node	13455 Oct 22 08:27	1° <b>∡</b> °55′11	
minimum elong	13454 Nov 28 02:50	19° <b>∡</b> 16′20	5°46'33	retrograde	13455 Oct 27 19:19	3° <b>х</b> 14′10	
min. Earth dist.	13454 Nov 27 23:41	19° <b>∡</b> ¹20'44	0.54577 AU	evening set	13455 Oct 30 00:32	3° <b>∡</b> 01'58	
morning rise	13454 Dec 06 16:33	15° <b>∡</b> °22'06			13455 Nov 06 10:57	30°RM	
direct	13454 Dec 10 04:58	14° <b>₹</b> 54'44		inferior conj	13455 Nov 07 23:57	29°M06'54	-4°46'25
morning max el	13454 Dec 22 10:06	20° <b>х</b> 45′31	21°48'46	minimum elong	13455 Nov 07 13:55	29°M21'26	
asc. node	13454 Dec 29 15:13	29° <b>∡</b> ¹26′26		min. Earth dist.	13455 Nov 09 06:30	28°M22'36	0.54675 AU
	13454 Dec 30 00:23	0° <b>ろ</b>		morning rise	13455 Nov 16 02:57	25° <b>™</b> 07'43	
morning set	13455 Jan 12 05:49	24° <b>る</b> 22'27		direct	13455 Nov 20 13:53	24°M25'02	
	13455 Jan 14 21:35	0° <b>≈</b>			13455 Dec 02 21:54	0° <b>∡</b>	
				morning max el	13455 Dec 03 22:11	0° <b>₹</b> 55'23	23°35'46
superior conj	13455 Jan 19 09:18	9° <b>≈</b> 30'46	1°25'27	asc. node	13455 Dec 16 12:17	17° <b>∡</b> 28'34	
minimum elong	13455 Jan 19 11:24	9° <b>≈</b> 41'50	1°26'06	. ,	13455 Dec 23 07:44	0°る	
max. Earth dist.	13455 Jan 23 13:45	18°≈08'03	1.34606 AU	morning set	13455 Dec 27 17:34	9° <b>る</b> 08'25	
evening rise	13455 Jan 27 19:42	26° <b>≈</b> 28'37 0° <b>)</b> €			12456 I 02 14:27	240₹02122	1924/50
desc. node	13455 Jan 29 16:31 13455 Jan 31 10:30	0 <del>X</del> 3° <b>¥</b> 13'11		superior conj minimum elong	13456 Jan 03 14:27 13456 Jan 03 15:35	24°る02'32 24°る08'36	1°34'59 1°35'55
desc. Hode	13455 Feb 16 23:35	5 χ 15 11 0° <b>Υ</b>		minimum ciong	13456 Jan 06 09:09	24 <b>3</b> 00 30 0 ∞	1 33 33
evening max el	13455 Mar 03 22:20		26°48'13	max. Earth dist.	13456 Jan 06 09:42		1.33035 AU
retrograde	13455 Mar 17 03:32	25° <b>Υ</b> 39'53	20 70 13	evening rise	13456 Jan 11 07:13	0 ≈02 34 10°≈08'20	1.55055 AU
evening set	13455 Mar 23 14:40	23° <b>Υ</b> '07'39		desc. node	13456 Jan 18 07:13	23°≈24'55	
min. Earth dist.	13455 Mar 27 14:57	19° <b>Y</b> ′08′07	0.66089 AU	***************************************	13456 Jan 22 01:55	0° <b>∀</b>	
asc. node	13455 Mar 27 12:11	19° <b>Y</b> 16'03			13456 Feb 12 18:42	0° <b>Υ</b>	
inferior conj	13455 Mar 29 16:03	16° <b>Ƴ</b> 44'14	0°40'49	evening max el	13456 Feb 14 11:35	1° <b>Υ</b> 41'50	27°24'43
minimum elong	13455 Mar 29 15:00	16° <b>Ƴ</b> 47'19	0°40'13	retrograde	13456 Feb 28 03:05	9° <b>Ƴ</b> 08'44	
morning rise	13455 Apr 04 16:35	11° <b>Y</b> ′06'51		evening set	13456 Mar 05 21:42	6° <b>Ƴ</b> 39'31	
direct	13455 Apr 07 14:31	10° <b>Y</b> ′20′02		min. Earth dist.	13456 Mar 09 17:50	3° <b>Y</b> 11'36	0.64384 AU
morning max el	13455 Apr 13 23:53	13° <b>Y</b> ′42'01	18°12'34	inferior conj	13456 Mar 12 06:37	0° <b>Y</b> 29'48	-0°21'52
-	13455 Apr 25 21:11	0° <b>႘</b>		minimum elong	13456 Mar 12 07:16	0° <b>Y</b> 28'02	0°21'31
desc. node	13455 Apr 29 12:47	5° <b>8</b> 48'17			13456 Mar 12 17:49	30° <b>Ŗ</b> ₩	
morning set	13455 May 03 05:50	11° <b>8</b> 45'31		asc. node	13456 Mar 13 09:39	29° <b>∺</b> 18'35	
	13455 May 14 16:54	$\Pi$ °0		morning rise	13456 Mar 18 18:50	25° <b>¥</b> 06′14	
				direct	13456 Mar 21 08:00	24° <b>)</b> 32′59	
superior conj	13455 May 18 12:08	5° <b>Ⅱ</b> 58′08		morning max el	13456 Mar 27 16:55		17°51'00
minimum elong	13455 May 18 03:38		1°56'17		13456 Mar 29 16:37	0° <b>Ƴ</b>	
max. Earth dist.	13455 May 20 05:43	8° <b>∏</b> 40'42	1.45817 AU	morning set	13456 Apr 13 19:18	23° <b>Y</b> 27'24	
	13455 Jun 02 22:29	0ა <b>ௐ</b>		desc. node	13456 Apr 15 09:24	26° <b>Y</b> ′07'04	
evening rise	13455 Jun 03 13:31	0°958'27			13456 Apr 17 17:13	0°B	
greatest brilliancy	13455 Jun 14 22:15	18° <b>©</b> 30'52	-0.7m				

superior conj	13456 Apr 27 07:03	15° <b>8</b> 39'27	1022122		13457 Apr 10 04:03	0° <b>႘</b>	
minimum elong	13456 Apr 26 22:47	15° <b>8</b> 06'14		max. Earth dist.	13457 Apr 14 18:58	7° <b>8</b> 32'08	1.44013 AU
max. Earth dist.	13456 May 02 01:37		1.45257 AU	evening rise	13457 Apr 22 15:52	19° <b>8</b> 56'50	1.44013710
max. Earth dist.	13456 May 06 09:05	0°II	1.43237 110	evening rise	13457 Apr 29 06:11	0°Ⅱ	
evening rise	13456 May 13 02:43	10° <b>Ⅱ</b> 23'39			13457 May 20 23:40	0°©	
e vennig 1190	13456 May 26 03:12	0ಂತಿ		evening max el	13457 May 23 04:02	2°520'02	21°12'51
greatest brilliancy	13456 May 28 02:36	2° <b>©</b> 52'51	-0.6m	asc. node	13457 May 27 04:00	5°9643'30	
evening max el	13456 Jun 09 05:36	18° <b>©</b> 31'27	20°04'33	retrograde	13457 May 31 20:27	7° <b>5</b> 23'49	
asc. node	13456 Jun 09 06:53	18° <b>©</b> 34'38		evening set	13457 Jun 05 05:00	5°538'24	
retrograde	13456 Jun 16 21:39	22°553'58		inferior conj	13457 Jun 10 10:58	29° <b>Ⅱ</b> 25'40	3°09'06
evening set	13456 Jun 20 19:49	21° <b>©</b> 25'07		minimum elong	13457 Jun 10 10:13	29° <b>Ⅱ</b> 28'16	3°08'00
inferior conj	13456 Jun 26 02:51	15° <b>5</b> 23'59	3°12'19		13457 Jun 10 01:05	30° <b>Ŗ</b> Ⅱ	
minimum elong	13456 Jun 26 03:06	15° <b>5</b> 23'11	3°11'16	min. Earth dist.	13457 Jun 10 19:18	28° <b>Ⅱ</b> 56'40	0.68682 AU
min. Earth dist.	13456 Jun 27 00:49	14°509'31	0.67964 AU	morning rise	13457 Jun 15 15:13	23° <b>II</b> 08'16	
morning rise	13456 Jul 01 10:02	9° <b>©</b> 01'58		direct	13457 Jun 20 19:03	20° <b>∏</b> 53′23	
direct	13456 Jul 07 02:21	6°531'48		desc. node	13457 Jun 29 06:45	25° <b>Ⅱ</b> 15'41	
desc. node	13456 Jul 12 09:32	8°9515'18		morning max el	13457 Jul 01 03:23	27° <b>II</b> 02'20	23°10'16
morning max el	13456 Jul 18 16:37	13° <b>©</b> 28'42	24°39'46		13457 Jul 03 21:34	0ංම	
	13456 Aug 01 02:02	$0^{\circ}\Omega$			13457 Jul 25 16:09	$0^{\circ}\Omega$	
	13456 Aug 20 11:08	0° <b>m</b>		morning set	13457 Aug 04 16:30	16° <b>Ω</b> 00'57	
morning set	13456 Aug 23 10:11	5° <b>™</b> 06'58		max. Earth dist.	13457 Aug 08 22:22	23° <b>£</b> 12′22	1.39750 AU
max. Earth dist.	13456 Aug 27 00:13	11° <b>m</b> /31'08	1.37403 AU		13457 Aug 12 19:20	0° <b>m</b> )	
superior conj	13456 Sep 02 22:16	24° Mp 32'36	-0°22'11	superior conj	13457 Aug 16 16:13	7° <b>m</b> ,00'58	-0°57'07
minimum elong	13456 Sep 02 23:45	24° <b>m</b> 39'47	0°22'06	minimum elong	13457 Aug 16 20:25	7° Mp 20′22	0°56'55
asc. node	13456 Sep 05 07:50	29° <b>m</b> 14'50		asc. node	13457 Aug 23 04:25	19° <b>m</b> 16'32	
	13456 Sep 05 16:58	0∘ <b>⊽</b>		evening rise	13457 Aug 26 05:17	25° Mp 06'35	
evening rise	13456 Sep 11 09:38	11° <b>≏</b> 23'52			13457 Aug 28 18:41	0∘ <b>⊽</b>	
	13456 Sep 21 09:38	0°M₊		evening max el	13457 Sep 11 06:02	21° <b>≏</b> 03'37	18°35'29
evening max el	13456 Sep 28 05:13	8°M59'56	19°22'17	retrograde	13457 Sep 19 06:47	25° <b>≏</b> 06'35	
retrograde	13456 Oct 07 15:58	13°M43'35		evening set	13457 Sep 21 05:42	24° <b>£</b> 52'58	
desc. node	13456 Oct 08 05:54	13°M42'34		desc. node	13457 Sep 25 03:24	23° <b>≙</b> 13'45	
evening set	13456 Oct 09 12:40	13°M33'21		inferior conj	13457 Sep 29 04:00	20° <b>≙</b> 25'13	
inferior conj	13456 Oct 18 03:49	9° <b>M</b> 25′06		minimum elong	13457 Sep 29 00:56	20° <b>≙</b> 31'05	1°15'03
minimum elong	13456 Oct 17 19:55	9° <b>M</b> 37′59	3°01'48	min. Earth dist.	13457 Oct 02 08:34	18° <b>≙</b> 00'05	0.57418 AU
min. Earth dist.	13456 Oct 20 16:30	7°M46'17	0.55687 AU	morning rise	13457 Oct 06 16:42	15° <b>≙</b> 17'49	
morning rise	13456 Oct 26 00:53	4°M55'36		direct	13457 Oct 12 16:35	13° <b>≙</b> 47'58	
direct	13456 Oct 31 08:08	3°M52'03		morning max el	13457 Oct 26 23:37	21° <b>⊆</b> 17'55	26°49'20
morning max el	13456 Nov 14 08:15	10°M55'13	25°22'09		13457 Nov 03 14:01	0°M	
,	13456 Nov 28 19:52	0° <b>⊼</b>		asc. node	13457 Nov 19 06:12	25°M25'01	
asc. node	13456 Dec 02 09:17	6° <b>₹</b> 11'41			13457 Nov 21 14:06	0° <b>∡</b> 7	
morning set	13456 Dec 11 05:15	23° <b>₹</b> 50′26		morning set	13457 Nov 25 15:08	8° <b>∡</b> 123′51	
	13456 Dec 14 01:09	0° <b>ろ</b>		aumariar aani	12457 Dec. 02 11:06	220.72647	1°35'26
superior conj	13456 Dec 17 23:45	8° <b>る</b> 43'09	1020112	superior conj minimum elong	13457 Dec 02 11:06 13457 Dec 02 10:06	23° <b>х</b> 26'47 23° <b>х</b> 21'09	1°36'24
minimum elong	13456 Dec 17 23:46		1°39'15	max. Earth dist.	13457 Dec 02 10:00	24° 🖈 17'46	1.31314 AU
max. Earth dist.	13456 Dec 19 12:48	8 34313 12° <b>る</b> 07'11	1.31927 AU	max. Earm dist.	13457 Dec 02 20.14 13457 Dec 05 09:50	24 x・1746 0°る	1.31314 AU
evening rise	13456 Dec 25 04:02	12 30711 24° <b>3</b> 10'19	1.31927 AU	evening rise	13457 Dec 09 07:34	8° <b>る</b> 28'12	
evening rise	13456 Dec 28 01:05	0°≈		evening rise	13457 Dec 20 10:28	0°≈	
desc. node	13457 Jan 04 04:00	0 <b>~</b> 13° <b>≈</b> 17'40		desc. node	13457 Dec 20 10:28 13457 Dec 22 00:54	0 ~ 2°≈43'59	
dese. Hode	13457 Jan 14 17:12	0° <b>\</b>		evening max el	13458 Jan 09 03:44	26°≈50'50	27°07'04
evening max el	13457 Jan 26 22:14	14° <b>)</b> 37'51	27°32'36	evening max or	13458 Jan 12 20:47	0° <b>∀</b>	27 07 01
retrograde	13457 Feb 09 19:07	22° <b>H</b> 00'08	27 3230	retrograde	13458 Jan 23 02:51	4° <b>)</b> €05'11	
evening set	13457 Feb 16 17:08	19° <b>)</b> (41'11		evening set	13458 Jan 29 21:47	2° <b>)</b> (04'41	
min. Earth dist.	13457 Feb 20 11:11		0.62387 AU	evening sec	13458 Feb 01 22:59	30°R≈	
inferior conj	13457 Feb 23 09:53	13° <b>¥</b> 52′38		min. Earth dist.	13458 Feb 02 18:06	29° <b>≈</b> 22'29	0.60220 AU
minimum elong	13457 Feb 23 13:09	13° <b>)</b> (44'52		inferior conj	13458 Feb 05 22:25	26°≈43'47	
asc. node	13457 Feb 28 07:07	9° <b>)</b> 49'54	-	minimum elong	13458 Feb 06 04:47	26°≈30'29	
morning rise	13457 Mar 02 11:51	8° <b>)</b> 45′58		morning rise	13458 Feb 13 14:57	21°≈56'59	- <del></del>
direct	13457 Mar 04 18:00	8° <b>)</b> 22'46		asc. node	13458 Feb 15 04:34	21° <b>≈</b> 41'15	
morning max el	13457 Mar 11 10:29	11° <b>)</b> 46'26	17°47'03	direct	13458 Feb 15 16:33	21°≈40'16	
<i>5</i>	13457 Mar 23 18:41	0°Υ		morning max el	13458 Feb 23 01:13	25°≈20'44	18°01'36
morning set	13457 Mar 27 08:27	6° <b>Υ</b> 16'24		<i>3</i>	13458 Feb 26 22:47	0° <b>)</b> €	- *
desc. node	13457 Apr 02 05:58	16° <b>Ƴ</b> 35'45		morning set	13458 Mar 10 15:04	19° <b>¥</b> 53'52	
				Č	13458 Mar 16 02:45	0°Υ	
superior conj	13457 Apr 08 00:13	26° <b>Y</b> 24′25	-0°44'00	desc. node	13458 Mar 20 02:30	7° <b>Υ</b> 10'25	
minimum elong	13457 Apr 07 19:56	26° <b>Y</b> 06′26	0°43'42				
Č							

superior conj	13458 Mar 20 17:27	8° <b>Y</b> 16'33	-0°04'58	superior conj	13459 Mar 03 07:09	21° <b>∺</b> 04'08	0°29'13
minimum elong	13458 Mar 20 17:02	8° <b>Ƴ</b> 14'43	0°04'57	minimum elong	13459 Mar 03 09:05	21° <b>∺</b> 13′05	0°29'10
behind sun begin	13458 Mar 20 09:28	7° <b>Y</b> 41′20		desc. node	13459 Mar 06 22:59	27° <b>)</b> 46′46	
behind sun end	13458 Mar 21 00:35	8° <b>Y</b> 48'02			13459 Mar 08 04:44	$0^{\circ}$ Y	
max. Earth dist.	13458 Mar 28 07:34	21° <b>Y</b> 16'34	1.42220 AU	max. Earth dist.	13459 Mar 10 15:33	4° <b>Υ</b> 18'52	1.40079 AU
evening rise	13458 Apr 02 19:01	0° <b>8</b> 11'50		evening rise	13459 Mar 14 18:40	11° <b>Ƴ</b> 21'24	
	13458 Apr 02 16:03	$0^{\circ}S$			13459 Mar 26 12:55	$_{0\circ}$ 8	
	13458 Apr 22 18:42	$\Pi$ °0			13459 Apr 18 11:33	$\Pi$ °0	
evening max el	13458 May 05 21:31	16° <b>Ⅱ</b> 09'39	22°30'13	evening max el	13459 Apr 18 12:04	0° <b>Ⅱ</b> 01'16	23°51'17
asc. node	13458 May 14 01:13	21° <b>Ⅱ</b> 44'30		retrograde	13459 Apr 29 12:08	6° <b>Ⅱ</b> 29'15	
retrograde	13458 May 15 17:45	21° <b>Ⅱ</b> 57'35		asc. node	13459 Apr 30 22:31	6° <b>Ⅱ</b> 20′00	
evening set	13458 May 20 13:21	19° <b>Ⅱ</b> 56′50		evening set	13459 May 04 19:16	4° <b>Ⅱ</b> 15'10	
inferior conj	13458 May 25 20:33	13° <b>Ⅲ</b> 34'43	2°55'11		13459 May 08 14:16	30° <b>₹႘</b>	
minimum elong	13458 May 25 19:00	13° <b>Ⅱ</b> 40′06	2°53'58	min. Earth dist.	13459 May 09 12:29	28° <b>8</b> 45'21	0.68700 AU
min. Earth dist.	13458 May 25 15:56	13° <b>Ⅱ</b> 50'47	0.68927 AU	inferior conj	13459 May 10 05:39	27° <b>8</b> 46'47	2°31'04
morning rise	13458 May 31 00:31	7° <b>Ⅲ</b> 23'32		minimum elong	13459 May 10 03:37	27° <b>8</b> 53'46	2°29'47
direct	13458 Jun 04 15:30	5° <b>Ⅱ</b> 27'43		morning rise	13459 May 15 11:58	21° <b>8</b> 43'12	
morning max el	13458 Jun 13 17:07	10° <b>Ⅱ</b> 44'39	21°43'01	direct	13459 May 19 14:25	20° <b>8</b> 07'59	
desc. node	13458 Jun 16 03:50	13° <b>Ⅲ</b> 21′22		morning max el	13459 May 27 12:49	24° <b>8</b> 37'29	20°25'08
	13458 Jun 28 20:09	0°99			13459 Jun 01 06:43	$\Pi^{\circ}$ 0	
morning set	13458 Jul 15 21:46	25° <b>5</b> 49'05		desc. node	13459 Jun 03 00:47	2° <b>Ⅱ</b> 14'25	
	13458 Jul 18 12:23	$0^{\circ}\Omega$			13459 Jun 22 03:59	0°©	
max. Earth dist.	13458 Jul 22 00:15	5° <b>Ω</b> 42'32	1.42000 AU	morning set	13459 Jun 25 05:31	4°9642'32	
				max. Earth dist.	13459 Jul 04 08:58	19° <b>©</b> 05'25	1.43885 AU
superior conj	13458 Jul 29 15:05	18° <b>Ω</b> 37'50	-1°31'03				
minimum elong	13458 Jul 29 21:46	19° <b>Ω</b> 06'57	1°31'00	superior conj	13459 Jul 10 15:06	29°516'11	-1°58'39
C	13458 Aug 05 00:32	0° <b>m</b> )		minimum elong	13459 Jul 10 21:52	29°544'10	1°59'07
evening rise	13458 Aug 09 13:23	8° m 16'43		C	13459 Jul 11 01:42	$0^{\circ}\Omega$	
asc. node	13458 Aug 10 01:01	9° <b>m</b> 10'01		evening rise	13459 Jul 23 05:16	20° <b>Ω</b> 43′03	
	13458 Aug 22 10:18	0∘ <u>⊽</u>		asc. node	13459 Jul 27 21:42	28° <b>Ω</b> 51'17	
evening max el	13458 Aug 25 15:17	3° <b>-</b> 45′51	18°09'33		13459 Jul 28 13:43	0° <b>m</b> )	
retrograde	13458 Sep 01 16:04	7° <b>ჲ</b> 20'53		evening max el	13459 Aug 09 04:52	16° <b>m</b> 57'04	18°03'02
evening set	13458 Sep 03 21:52	6° <b>₽</b> 59'32		retrograde	13459 Aug 15 16:30	20° m 18'29	
inferior conj	13458 Sep 11 01:45	2° <b>₽</b> 11'12	0°17'51	evening set	13459 Aug 18 06:30	19° <b>m</b> 45'47	
minimum elong	13458 Sep 11 02:20	2° <b>₾</b> 09'53	0°17'34	inferior conj	13459 Aug 24 18:13	14° <b>m</b> 38'10	1°30'07
desc. node	13458 Sep 12 00:55	1° <b>≏</b> 19′23		minimum elong	13459 Aug 24 20:29	14° <b>m</b> 32'24	1°29'00
	13458 Sep 13 12:41	30°R, Mp		min. Earth dist.	13459 Aug 27 17:38	11° <b>m</b> )37'30	0.61881 AU
min. Earth dist.	13458 Sep 14 08:35	29° <b>m</b> 17'15	0.59586 AU	desc. node	13459 Aug 29 22:26	9° <b>m</b> 38'07	
morning rise	13458 Sep 18 03:28	26°M 30'31		morning rise	13459 Aug 31 07:59	8° <b>m</b> 34'03	
direct	13458 Sep 24 14:46	24° Mp 33'00		direct	13459 Sep 07 00:13	6° Mp 13′30	
	13458 Oct 06 08:32	0∘ <b>⊽</b>		morning max el	13459 Sep 21 03:54	14° <b>m</b> 13'03	27°58'20
morning max el	13458 Oct 08 22:30	2° <b>≏</b> 22'14	27°43'15		13459 Oct 03 21:58	0∘ <b>ऌ</b>	
	13458 Oct 29 01:07	$0^{\circ}$ M			13459 Oct 21 13:31	0° <b>M</b> .	
asc. node	13458 Nov 06 02:59	14°M59'51		asc. node	13459 Oct 23 23:40	4° <b>ጤ</b> 49'49	
morning set	13458 Nov 09 21:21	22°M43'11		morning set	13459 Oct 24 21:56	6° <b>M</b> 43′28	
	13458 Nov 13 06:36	0° <b>∡</b> ¹		max. Earth dist.	13459 Oct 30 09:51	18°M23'45	1.31662 AU
max. Earth dist.	13458 Nov 16 04:29	6° <b>∡</b> 126′15	1.31220 AU				
				superior conj	13459 Nov 01 08:21	22°M38'50	1°12'32
superior conj	13458 Nov 16 22:35	8° <b>₮</b> 07'04		minimum elong	13459 Nov 01 06:07	22°M26'28	1°12'57
minimum elong	13458 Nov 16 20:46	7° <b>∡</b> ¹56'59	1°27'34		13459 Nov 04 16:08	0° <b>∡</b> ¹	
evening rise	13458 Nov 23 15:31	22° <b>∡</b> ′55'41		evening rise	13459 Nov 08 02:00	7° <b>∡</b> ¹27'52	
	13458 Nov 27 00:16	ರ°ರ			13459 Nov 19 15:13	0°₹	
desc. node	13458 Dec 08 21:54	21° <b>る</b> 32'49		desc. node	13459 Nov 25 19:00	9° <b>る</b> 29'56	
	13458 Dec 14 19:28	0° <b>≈</b>		evening max el	13459 Dec 03 15:39	18° <b>る</b> 44'12	24°39'19
evening max el	13458 Dec 22 01:43	8° <b>≈</b> 12'12	26°07'17	retrograde	13459 Dec 17 09:25	25° <b>る</b> 35'47	
retrograde	13459 Jan 05 00:25	15° <b>≈</b> 16′26		evening set	13459 Dec 22 18:14	24° <b>る</b> 32'07	
evening set	13459 Jan 11 07:30	13° <b>≈</b> 42′13		min. Earth dist.	13459 Dec 28 03:27	21° <b>る</b> 44'26	0.56229 AU
min. Earth dist.	13459 Jan 15 14:58	11° <b>≈</b> 05'42	0.58081 AU	inferior conj	13459 Dec 30 13:59	20°る12'11	-5°27'08
inferior conj	13459 Jan 18 16:34	8° <b>≈</b> 52'44	-4°19'37	minimum elong	13459 Dec 30 21:20	20° <b>පි</b> 00'35	5°24'53
minimum elong	13459 Jan 19 01:14	8° <b>≈</b> 37'03	4°16'11	morning rise	13460 Jan 08 02:30	16° <b>ට</b> 07'58	
morning rise	13459 Jan 26 21:52	4° <b>≈</b> 27'32		direct	13460 Jan 10 11:04	15° <b>る</b> 52'49	
direct	13459 Jan 28 23:15	4° <b>≈</b> 13'40		asc. node	13460 Jan 19 23:17	20° <b>る</b> 19'59	
asc. node	13459 Feb 02 01:59	5° <b>≈</b> 12'27		morning max el	13460 Jan 20 06:07	20° <b>පි</b> 36'17	19°33'13
morning max el	13459 Feb 06 09:09	8° <b>≈</b> 21'11	18°36'18	-	13460 Jan 27 12:31	0° <b>≈</b>	
	13459 Feb 20 07:14	0° <b>)</b> €		morning set	13460 Feb 06 12:44	18° <b>≈</b> 32'52	
morning set	13459 Feb 22 09:49	4° <b>)</b> €03'06			13460 Feb 12 05:17	0° <b>)</b>	

superior conj	13460 Feb 14 12:50	4° <b>)</b> 34′51	0°56'39	morning set	13461 Jan 20 20:53	3° <b>≈</b> 14'16	
minimum elong	13460 Feb 14 15:35	4° <b>)</b> 48′18	0°56'47				
max. Earth dist.	13460 Feb 20 21:52	16° <b>)</b> 42′34	1.37828 AU	superior conj	13461 Jan 28 06:16	18° <b>≈</b> 37'01	1°16'56
desc. node	13460 Feb 21 19:31	18° <b>∺</b> 21'30		minimum elong	13461 Jan 28 08:47	18° <b>≈</b> 49'58	1°17'24
evening rise	13460 Feb 24 15:04	23° <b>∺</b> 24'01		max. Earth dist.	13461 Feb 02 06:53	28° <b>≈</b> 41'17	1.35694 AU
	13460 Feb 28 10:55	0° <b>Υ</b>			13461 Feb 02 23:05	0° <b>∀</b>	
	13460 Mar 19 07:21	$0^{\circ}$ 8		evening rise	13461 Feb 06 05:26	6° <b>∺</b> 11'27	
evening max el	13460 Mar 31 01:40	13° <b>8</b> 54'11	25°09'15	desc. node	13461 Feb 07 16:05	8° <b>¥</b> 50'56	
retrograde	13460 Apr 12 02:19	20° <b>8</b> 52'55			13461 Feb 20 06:03	0° <b>Υ</b>	
asc. node	13460 Apr 16 19:54	19° <b>8</b> 17'01		evening max el	13461 Mar 13 15:19	27° <b>Y</b> 44'04	26°16'52
evening set	13460 Apr 17 21:08	18° <b>8</b> 28'17			13461 Mar 16 02:36	0° <b>8</b>	
min. Earth dist.	13460 Apr 22 06:46	13° <b>8</b> 34'32	0.68022 AU	retrograde	13461 Mar 26 11:33	5° <b>8</b> 02'29	
inferior conj	13460 Apr 23 12:23	11° <b>8</b> 57'45	1°56'44	evening set	13461 Apr 01 17:20	2° <b>8</b> 31'18	
minimum elong	13460 Apr 23 10:15	12° <b>8</b> 04'43	1°55'29	asc. node	13461 Apr 03 17:18	0° <b>8</b> 38'39	
morning rise	13460 Apr 28 23:41	6° <b>8</b> 03'07		· Patra	13461 Apr 04 07:39	30°RΥ	0.66010.441
direct	13460 May 02 14:18	4° <b>8</b> 48'16	10921100	min. Earth dist.	13461 Apr 05 20:38	28° <b>Y</b> 12'44	0.66912 AU
morning max el	13460 May 09 16:02	8° <b>8</b> 41'07 21° <b>8</b> 41'51	19°21'00	inferior conj	13461 Apr 07 14:45	26° <b>Y</b> 03'39 26° <b>Y</b> 08'44	1°11'48
desc. node	13460 May 19 21:37		0.7	minimum elong	13461 Apr 07 13:06		1°10'51
greatest brilliancy	13460 May 22 09:28	25° <b>႘</b> 20'46 0°Ⅱ	-0./m	morning rise direct	13461 Apr 13 09:42	20° <b>Y</b> 19'39 19° <b>Y</b> 23'23	
marning sat	13460 May 25 12:13 13460 Jun 03 07:32	13° <b>Ⅱ</b> 26'02		5	13461 Apr 16 13:27 13461 Apr 23 02:26	$19^{\circ}$ <b>Y</b> 23 23 $22^{\circ}$ <b>Y</b> 52'46	18°32'48
morning set	13460 Jun 13 23:45	0°€		morning max el	13461 Apr 28 23:43	0° <b>8</b>	16 32 46
max. Earth dist.	13460 Jun 16 00:11	აფ10'09	1.45198 AU	desc. node	13461 May 06 18:21	11° <b>8</b> 34'43	
max. Earm dist.	13400 Juli 10 00.11	3 2010 09	1.43198 AU	morning set	13461 May 14 01:25	23° <b>8</b> 00'22	
superior conj	13460 Jun 19 15:53	8°956'47	2012/5/	morning set	13461 May 18 12:16	0°II	
minimum elong	13460 Jun 19 17:54		2°13'54		13401 Way 16 12.10	υш	
minimum ciong	13460 Jul 02 15:33	9 <b>3</b> 04 48	2 13 34	superior conj	13461 May 30 01:24	18° <b>Ⅱ</b> 03'15	-2°07'55
evening rise	13460 Jul 03 23:47	2° <b>Ω</b> 13'14		minimum elong	13461 May 29 19:45		2°08'40
asc. node	13460 Jul 13 18:27	18°Ω14'30		max. Earth dist.	13461 May 29 19:26	17° <b>Ⅱ</b> 39'57	1.45806 AU
use. Houe	13460 Jul 22 08:27	0° m)		man. Barur alou	13461 Jun 06 16:33	0ಂತ	1.10000110
evening max el	13460 Jul 22 19:09	0° Mp 27'08	18°14'58	evening rise	13461 Jun 14 17:50	12° <b>©</b> 42'27	
retrograde	13460 Jul 29 03:43	3° <b>m</b> ) 49'17	10 1130	greatest brilliancy	13461 Jun 23 01:12	25°950'14	-0.8m
evening set	13460 Aug 01 02:11	3° m/ 02'33		greatest stilliane)	13461 Jun 25 17:40	0°Ω	0.0111
	13460 Aug 04 21:20	30°R€		asc. node	13461 Jun 30 15:18	7° <b>Ω</b> 13'19	
inferior conj	13460 Aug 07 01:20	27° <b>Ω</b> 37'37	2°20'39	evening max el	13461 Jul 06 07:11	14° <b>Ω</b> 08'43	18°44'37
minimum elong	13460 Aug 07 03:47	27° <b>Ω</b> 30'37	2°19'23	retrograde	13461 Jul 12 21:49	17° <b>Ω</b> 45'03	
min. Earth dist.	13460 Aug 09 12:14	24° <b>Q</b> 50'32	0.64041 AU	evening set	13461 Jul 16 05:00	16° <b>Ω</b> 42'38	
morning rise	13460 Aug 13 03:50	21° <b>Ω</b> 19'49		inferior conj	13461 Jul 21 19:19	11° <b>Ω</b> 02'23	2°52'29
desc. node	13460 Aug 15 19:55	19° <b>Ω</b> 38'56		minimum elong	13461 Jul 21 21:08	10° <b>Ω</b> 56'44	2°51'19
direct	13460 Aug 19 18:38	18° <b>Ω</b> 44'37		min. Earth dist.	13461 Jul 23 15:52	8° <b>Ω</b> 44'06	0.65892 AU
morning max el	13460 Sep 02 13:28	26° <b>Ω</b> 44'28	27°36'18	morning rise	13461 Jul 27 12:22	4° <b>Ω</b> 38'41	
	13460 Sep 05 14:41	0° <b>m</b> )		direct	13461 Aug 02 20:49	1° <b>Ω</b> 58′26	
	13460 Sep 26 13:30	0∘ <b>⊽</b>		desc. node	13461 Aug 02 17:21	1° <b>Ω</b> 58'31	
morning set	13460 Oct 07 14:28	20° <b>≙</b> 18'27		morning max el	13461 Aug 16 00:46	9° <b>Ω</b> 46′17	26°43'28
asc. node	13460 Oct 09 20:18	24° <b>≏</b> 49'23			13461 Aug 31 23:22	0° <b>m</b>	
	13460 Oct 12 08:17	$0^{\circ}$ M			13461 Sep 19 01:05	0∘ <b>ত</b>	
max. Earth dist.	13460 Oct 12 08:41	0°M02'05	1.32644 AU	morning set	13461 Sep 20 20:00	3° <b>≏</b> 21'34	
				max. Earth dist.	13461 Sep 24 22:08	11° <b>≏</b> 19'22	1.34150 AU
superior conj	13460 Oct 15 14:24	6°M55'54	0°52'35	asc. node	13461 Sep 26 16:53	14° <b>≏</b> 54'36	
minimum elong	13460 Oct 15 12:14	6° <b>M</b> 44'16	0°52'43				
evening rise	13460 Oct 22 13:07	21°M59'16		superior conj	13461 Sep 29 14:27	20° <b>£</b> 52'49	
	13460 Oct 26 09:03	0° <b>⊼</b>		minimum elong	13461 Sep 29 13:03	20° <b>£</b> 45'32	0°27'12
desc. node	13460 Nov 11 16:13	26° <b>₹</b> 15'41			13461 Oct 03 22:12	0° <b>M</b> ,	
evening max el	13460 Nov 14 01:30	28° <b>∡</b> ¹46'00	22°57'31	evening rise	13461 Oct 06 23:01	6°M25'17	
	13460 Nov 15 09:29	0°る			13461 Oct 19 14:15	0° <b>∡</b> 7	21010152
retrograde	13460 Nov 27 05:20	5° <b>る</b> 18'11		evening max el	13461 Oct 26 16:40	8° ₹ 55′21	21°19'53
evening set	13460 Dec 01 06:25	4°る42'36	0.54050 ATT	desc. node	13461 Oct 29 13:33	11° <b>х</b> 25'46	
min. Earth dist.	13460 Dec 08 10:33 13460 Dec 09 16:13	1°624'54 0° <b>6</b> 42'30	0.54950 AU	retrograde	13461 Nov 07 17:00	14° <b>₹</b> 53'26 14° <b>₹</b> 36'14	
•				evening set	13461 Nov 10 10:22		5020122
minimum elong	13460 Dec 09 16:30	0°る42'07 30°Ŗ <b>ズ</b>	J JJ <b>37</b>	inferior conj	13461 Nov 19 08:01	10° <b>₹</b> 42'40 10° <b>₹</b> 53'57	
morning riss	13460 Dec 10 22:10	30° <b>₹×</b> ¹ 26° <b>₹</b> ¹53'30		minimum elong min. Earth dist.	13461 Nov 18 24:00	10°×'53'5/ 10°×'30'44	0.54500 AU
morning rise direct	13460 Dec 18 04:02 13460 Dec 21 04:36	26° <b>x</b> ′33′30 26° <b>x</b> ′32′10		min. Earth dist.	13461 Nov 19 16:30 13461 Nov 27 14:19	6° <b>₹</b> 753'08	0.54500 AU
uncei	13460 Dec 21 04:36 13460 Dec 30 06:26	0°る		direct	13461 Nov 27 14:19 13461 Dec 01 12:13	6° <b>∡</b> ′33'08	
morning max el	13461 Jan 01 13:01	0 る 1° <b>る</b> 57'23	20°53'25	morning max el	13461 Dec 01 12.13	12° <b>×</b> <sup>2</sup> 28'09	22°33'26
asc. node	13461 Jan 05 20:30	6°る48'24	20 00 20	asc. node	13461 Dec 23 17:39	24° × 20'41	
use. Houc	13461 Jan 19 07:07	0°≈		ase. Houc	13461 Dec 27 03:43	24 x 2041 0°る	
	15 151 5411 17 07.07	U /V:			15 101 200 27 05.75	ÿ <b>O</b>	

		_					
morning set	13462 Jan 05 07:52	18° <b>る</b> 00'01		morning rise	13462 Nov 07 04:18	16°M35'13	
	13462 Jan 10 22:12	0° <b>≈</b>		direct	13462 Nov 12 00:02	15° <b>™</b> 44'23	
				morning max el	13462 Nov 25 16:50	22°M30'25	24°22'17
superior conj	13462 Jan 12 07:58	3° <b>≈</b> 00′20	1°30'17		13462 Dec 02 07:29	0° <b>∡</b> 7	
minimum elong	13462 Jan 12 09:41	3° <b>≈</b> 09'29	1°31'05	asc. node	13462 Dec 10 14:42	12° <b>∡</b> ′41'49	
max. Earth dist.	13462 Jan 15 22:10	10° <b>≈</b> 32′20	1.33875 AU		13462 Dec 19 12:47	8°0	
evening rise	13462 Jan 20 10:10	19° <b>≈</b> 34'12		morning set	13462 Dec 20 19:49	2° <b>る</b> 45'02	
desc. node	13462 Jan 25 12:43	29° <b>≈</b> 10′21					
	13462 Jan 25 23:44	0° <b>)</b> €		superior conj	13462 Dec 27 15:12	17° <b>る</b> 37'06	1°37'06
	13462 Feb 14 07:21	$0^{\circ}$ $\Upsilon$		minimum elong	13462 Dec 27 15:51	17° <b>පි</b> 40'41	1°38'06
evening max el	13462 Feb 24 04:49	11° <b>Y</b> ′21'35	27°06'49	max. Earth dist.	13462 Dec 29 21:08	22° <b>る</b> 30'00	1.32495 AU
retrograde	13462 Mar 09 14:59	18° <b>Ƴ</b> 48'55			13463 Jan 02 10:09	0° <b>≈</b>	
evening set	13462 Mar 16 05:51	16° <b>Ƴ</b> 16'45		evening rise	13463 Jan 04 02:01	3° <b>≈</b> 24'31	
min. Earth dist.	13462 Mar 20 04:02	12° <b>Ƴ</b> 31'25	0.65403 AU	desc. node	13463 Jan 12 09:28	19° <b>≈</b> 14'50	
asc. node	13462 Mar 21 14:46	10° <b>Y</b> ′53'56			13463 Jan 18 18:31	0° <b>\</b>	
inferior conj	13462 Mar 22 10:22	9° <b>Y</b> ′58'17	0°15'39	evening max el	13463 Feb 06 17:07	24° <b>)</b> 36'30	27°31'56
minimum elong	13462 Mar 22 09:56	9° <b>Y</b> ′59'31	0°15'24		13463 Feb 13 16:12	0°Υ	_,
transit middle	13462 Mar 22 09:56	9° <b>Υ</b> 59'31	0°15'24	retrograde	13463 Feb 20 11:47	2°Υ'03'04	
transit begin	13462 Mar 22 09:07	10° <b>Υ</b> 01'51	0 13 2 1	retrograde	13463 Feb 26 18:55	30°R <b></b> ₩	
transit end	13462 Mar 22 10:45	9° <b>Υ</b> 57'11		evening set	13463 Feb 27 08:21	29°\\37'08	
morning rise	13462 Mar 28 15:37	4° <b>Υ</b> 26'47		min. Earth dist.	13463 Mar 03 03:08	26°\(\frac{1}{2}\)25	0.63558 AU
direct	13462 Mar 31 09:37	3° <b>Υ</b> 46'15		inferior conj	13463 Mar 05 20:32	23° <b>H</b> 35'09	
		7° <b>Υ</b> 04'50	18°01'22	-		23° <del>X</del> 33'09 23° <del>X</del> 30'55	
morning max el	13462 Apr 06 17:52		18-01-22	minimum elong	13463 Mar 05 22:11		0-30-36
1 1	13462 Apr 22 13:13	0°8		asc. node	13463 Mar 08 12:13	21°\(\)(00'53	
desc. node	13462 Apr 23 15:01	1° <b>8</b> 45'25		morning rise	13463 Mar 12 14:25	18° <b>)</b> (18'32	
morning set	13462 Apr 24 22:49	3° <b>8</b> 55'27		direct	13463 Mar 15 00:14	17° <b>)</b> € 50'08	15045105
				morning max el	13463 Mar 21 11:33	21° <b>)</b> €09'14	17°47'07
superior conj	13462 May 09 12:05	27° <b>8</b> 19'34			13463 Mar 28 06:36	0°Υ	
minimum elong	13462 May 09 02:56	26° <b>8</b> 43'29	1°43'39	morning set	13463 Apr 06 23:07	16° <b>Y</b> 07'58	
	13462 May 11 04:51	0°II		desc. node	13463 Apr 10 11:37	22° <b>Y</b> ′08'48	
max. Earth dist.	13462 May 12 15:27	2° <b>Ⅱ</b> 15'37	1.45667 AU		13463 Apr 15 03:29	$0^{\circ}$ 8	
evening rise	13462 May 25 14:21	22° <b>Ⅱ</b> 21'20					
	13462 May 30 13:46	$0$ $\circ$		superior conj	13463 Apr 19 15:46	7° <b>8</b> 26'24	
greatest brilliancy	13462 Jun 07 21:01	12° <b>©</b> 32'45	-0.7m	minimum elong	13463 Apr 19 08:59	. •	1°06'46
asc. node	13462 Jun 17 12:15	25° <b>©</b> 38'34		max. Earth dist.	13463 Apr 25 09:55	16° <b>8</b> 42'08	1.44805 AU
evening max el	13462 Jun 19 14:40	27° <b>©</b> 55'14	19°31'00		13463 May 03 22:15	$\Pi$ °0	
	13462 Jun 21 23:07	$0$ $^{\circ}$ $\Omega$		evening rise	13463 May 05 01:29	1° <b>Ⅱ</b> 44'32	
retrograde	13462 Jun 26 19:33	1° <b>Ω</b> 58′10			13463 May 24 04:36	$0$ $\circ$	
evening set	13462 Jun 30 11:59	0° <b>Ω</b> 39'11		evening max el	13463 Jun 02 16:31	11° <b>©</b> 43'52	20°32'12
	13462 Jul 01 07:50	30° <b>₹ॐ</b>		asc. node	13463 Jun 04 09:18	13° <b>©</b> 19'23	
inferior conj	13462 Jul 05 20:49	24° <b>©</b> 45'14	3°08'51	retrograde	13463 Jun 10 18:28	16° <b>5</b> 23'20	
minimum elong	13462 Jul 05 21:39	24°9542'27	3°07'48	evening set	13463 Jun 14 20:53	14° <b>©</b> 47'35	
min. Earth dist.	13462 Jul 07 02:55	23° <b>©</b> 05'38	0.67338 AU	inferior conj	13463 Jun 20 03:11	8° <b>©</b> 41'24	3°12'17
morning rise	13462 Jul 11 06:50	18° <b>©</b> 21'17		minimum elong	13463 Jun 20 02:59	8°9342'04	3°11'14
direct	13462 Jul 17 05:39	15° <b>©</b> 45'02		min. Earth dist.	13463 Jun 20 19:21	7° <b>©</b> 45'48	0.68331 AU
desc. node	13462 Jul 20 14:43	16° <b>©</b> 27'14		morning rise	13463 Jun 25 08:47	2° <b>5</b> 20'52	
morning max el	13462 Jul 29 11:39	23° <b>©</b> 05'35	25°28'42		13463 Jun 29 22:16	30°RⅡ	
	13462 Aug 04 14:18	$0^{\circ}\Omega$		direct	13463 Jun 30 19:56	29° <b>Ⅱ</b> 56′20	
	13462 Aug 25 07:19	0° <b>m</b> y			13463 Jul 01 18:05	$0$ $\circ$ $\odot$	
morning set	13462 Sep 03 10:48	15° <b>m</b> 43'39		desc. node	13463 Jul 07 12:00	2° <b>©</b> 39'52	
max. Earth dist.	13462 Sep 07 01:42		1.36113 AU	morning max el	13463 Jul 11 21:48	6° <b>ॐ</b> 34'15	24°01'47
	13462 Sep 11 00:38	0∘ <u>⊽</u>		· ·	13463 Jul 30 02:54	$0^{\circ}\Omega$	
	1			morning set	13463 Aug 16 06:17	27° <b>Ω</b> 12'58	
superior conj	13462 Sep 13 05:41	4° <b>ഫ</b> 22'32	-0°03'04	Ü	13463 Aug 17 20:58	0° m)	
minimum elong	13462 Sep 13 05:52	4° <b>£</b> 23'27		max. Earth dist.	13463 Aug 19 23:33		1.38393 AU
behind sun begin	13462 Sep 12 23:40	3° <b>ჲ</b> 52'28	* ** *-		10 100 1100 1		
behind sun end	13462 Sep 13 12:05	4° <b>£</b> 54'31		superior conj	13463 Aug 27 08:38	17° <b>m</b> ) 16'19	-0°36'53
asc. node	13462 Sep 13 13:29	5° <b>₽</b> 01'31		minimum elong	13463 Aug 27 11:13	17° mg 28'37	
evening rise	13462 Sep 21 05:32	20° <b>Ω</b> 40'13		asc. node	13463 Aug 31 10:03	25° m/06'07	0 20
2.0	13462 Sep 25 21:37	0°M		a.c. 1040	13463 Sep 02 21:54	ე∘ <b>ი</b>	
evening max el	13462 Oct 08 20:57	19°M44'36	19°59'09	evening rise	13463 Sep 02 21:34 13463 Sep 05 06:03	0 <b>=</b> 4° <b>ჲ</b> 36'52	
desc. node	13462 Oct 16 10:57	24°M33'20	17 37 07	Cvennig 1150	13463 Sep 03 00:03	4 <b>=</b> 30 32 0° <b>M</b>	
retrograde	13462 Oct 19 06:48	24 IIL33 20 24°M55'40		evening max el	13463 Sep 20 08.17 13463 Sep 21 15:12	1°M22'32	18°59'48
evening set	13462 Oct 19 06:48 13462 Oct 21 06:18	24°11635'40 24°11635'40		retrograde	13463 Sep 21 15:12 13463 Sep 30 10:16	5°M47'06	10 3748
•			4006125	evening set	=	5°M35'59	
inferior conj	13462 Oct 30 03:45 13462 Oct 29 17:56	20°M45'57 21°M00'49		desc. node	13463 Oct 02 07:04 13463 Oct 03 08:26	5°M20'19	
minimum elong							2010124
min. Earth dist.	13462 Nov 01 00:45	17 1163/4/	0.54994 AU	inferior conj	13463 Oct 10 15:41	1°M20'16	-2 10 24

minimum elong	13463 Oct 10 09:48	1° <b>M</b> .30'29	2°15'40	inferior conj	13464 Sep 21 01:12	12° <b>≏</b> 39'57	-0°34'02
	13463 Oct 12 13:42	30° <b>₽</b> Ω		minimum elong	13464 Sep 20 23:56	12° <b>-</b> 42'33	0°33'23
min. Earth dist.	13463 Oct 13 13:13	29° <b>≏</b> 19'54	0.56350 AU	min. Earth dist.	13464 Sep 24 08:09	10° <b>ഫ</b> 00'18	0.58314 AU
morning rise	13463 Oct 18 09:33	26° <b>≙</b> 34'50		morning rise	13464 Sep 28 09:32	7° <b>≙</b> 17'44	
direct	13463 Oct 24 00:41	25° <b>≏</b> 20'12		direct	13464 Oct 04 15:11	5° <b>£</b> 36′03	
	13463 Nov 04 05:11	$0^{\circ}$ M		morning max el	13464 Oct 18 22:44	13° <b>≏</b> 14'09	27°16'50
morning max el	13463 Nov 07 04:22	2°M35'54	26°02'32	-	13464 Nov 01 06:02	$0^{\circ}$ M	
	13463 Nov 26 14:20	0° <b>∡</b> ¹		asc. node	13464 Nov 13 08:31	21° <b>M</b> 01'58	
asc. node	13463 Nov 27 11:40	1° <b>∡</b> ³38'45			13464 Nov 17 18:26	0°⊀	
morning set	13463 Dec 05 06:54	17° <b>∡</b> ¹23'28		morning set	13464 Nov 18 15:25	1° <b>∡</b> ¹50'59	
	13463 Dec 11 00:31	5°0					
				superior conj	13464 Nov 25 13:12	17° <b>∡</b> 701'47	1°32'29
superior conj	13463 Dec 12 01:36	2° <b>る</b> 19'29	1°37'45	minimum elong	13464 Nov 25 11:49	16° <b>₹</b> 754'04	1°33'22
minimum elong	13463 Dec 12 01:09	2° <b>る</b> 17'04	1°38'46	max. Earth dist.	13464 Nov 25 10:43	16° <b>≯</b> 748′00	1.31218 AU
max. Earth dist.	13463 Dec 13 02:22	4° <b>る</b> 36'58	1.31604 AU		13464 Dec 01 10:00	0°ಕ	
evening rise	13463 Dec 19 01:59	17° <b>る</b> 33'57		evening rise	13464 Dec 02 07:39	1° <b>る</b> 56′21	
	13463 Dec 25 07:30	0° <b>≈</b>		desc. node	13464 Dec 16 03:12	28° <b>පි</b> 08'24	
desc. node	13463 Dec 30 06:18	8° <b>≈</b> 57'03			13464 Dec 17 06:54	0° <b>≈</b>	
	13464 Jan 13 10:59	0° <b>∀</b>		evening max el	13465 Jan 01 04:45	19° <b>≈</b> 07'26	26°45'39
evening max el	13464 Jan 20 02:03	7° <b>¥</b> 15'50	27°26'06	retrograde	13465 Jan 15 03:40	26°≈16'39	
retrograde	13464 Feb 03 00:30	14° <b>)</b> (34′54		evening set	13465 Jan 21 18:53	24° <b>≈</b> 26'43	
evening set	13464 Feb 09 21:53	12° <b>)</b> €23'08		min. Earth dist.	13465 Jan 25 18:44		0.59297 AU
min. Earth dist.	13464 Feb 13 16:19		0.61473 AU	inferior conj	13465 Jan 28 23:02	19° <b>≈</b> 19'21	
inferior conj	13464 Feb 16 17:58	6° <b>)</b> 45′27		minimum elong	13465 Jan 29 06:37	19° <b>≈</b> 04'27	3°29'27
minimum elong	13464 Feb 16 22:31	6° <b>)</b> 35′10	2°07'09	morning rise	13465 Feb 05 21:23	14°≈41'21	
asc. node	13464 Feb 23 09:41	2° <b>)</b> €00'55		direct	13465 Feb 07 22:23	14°≈26′10	
morning rise	13464 Feb 24 02:06	1° <b>)</b> 46'34		asc. node	13465 Feb 09 07:08	14° <b>≈</b> 33'13	10012145
direct	13464 Feb 26 05:51	1° <b>)</b> € 26'35	15050151	morning max el	13465 Feb 15 16:28	18°≈16'45	18°13'47
morning max el	13464 Mar 04 04:16	4° <b>¥</b> 56'30	17°50'51		13465 Feb 24 03:03	0° <b>∀</b>	
morning set	13464 Mar 19 20:25	29° <b>¥</b> 19'31 0° <b>Ƴ</b>		morning set	13465 Mar 03 08:43	13° <b>光</b> 11'48 0° <b>Ƴ</b>	
daga mada	13464 Mar 20 05:25	12° <b>Υ</b> 40'08			13465 Mar 12 09:13	Os. A.	
desc. node	13464 Mar 27 08:10	12 1 40 08		superior conj	13465 Mar 12 21:40	0° <b>Y</b> 56'21	0°10'20
superior conj	13464 Mar 30 19:16	18° <b>Ƴ</b> 39'52	0°27'02	minimum elong	13465 Mar 12 22:27	0° <b>Υ</b> 59'54	0°10'17
minimum elong	13464 Mar 30 16:46	18° <b>Υ</b> 29'09		behind sun begin	13465 Mar 12 16:40	0 1 39 34 0° <b>Υ</b> 33'47	0 1017
minimum clong	13464 Apr 06 13:55	0° <b>8</b>	0 20 32	behind sun end	13465 Mar 13 04:13	1° <b>Υ</b> 25'57	
max. Earth dist.	13464 Apr 07 01:19	0° <b>と</b> 46'30	1.43309 AU	desc. node	13465 Mar 14 04:38	3°Υ15'29	
evening rise	13464 Apr 13 19:16	11° <b>8</b> 32'37	1.43307 AC	max. Earth dist.	13465 Mar 20 12:17	14° <b>Υ</b> 15'03	1.41339 AU
evening rise	13464 Apr 26 00:04	0° <b>Ⅱ</b>		evening rise	13465 Mar 25 06:42	22° <b>Υ</b> '09'37	1.41337 110
evening max el	13464 May 15 12:48	25° <b>I</b> 33'29	21°45'00	evening rise	13465 Mar 30 04:40	0°8	
asc. node	13464 May 21 06:26	0°501'44	21 13 00		13465 Apr 20 02:04	0°II	
uov. nouv	13464 May 21 05:03	0°9		evening max el	13465 Apr 28 04:47	9° <b>Ⅱ</b> 23'41	23°04'41
retrograde	13464 May 24 16:42	0°955'35		asc. node	13465 May 08 03:41	15° <b>Ⅲ</b> 28'21	
	13464 May 27 22:06	30°R <b>Ⅱ</b>		retrograde	13465 May 08 12:47	15° <b>Ⅲ</b> 29'01	
evening set	13464 May 29 05:54	29° <b>Ⅱ</b> 03'33		evening set	13465 May 13 13:23	13° <b>Ⅲ</b> 22'06	
inferior conj	13464 Jun 03 12:09	22° <b>I</b> I46'49	3°04'26	inferior conj	13465 May 18 21:43	6° <b>Ⅱ</b> 57'04	2°46'11
minimum elong	13464 Jun 03 11:02	22° <b>I</b> I50'41	3°03'18	minimum elong	13465 May 18 19:55	7° <b>Ⅱ</b> 03'18	2°44'57
min. Earth dist.	13464 Jun 03 14:58	22° <b>II</b> 36'57	0.68848 AU	min. Earth dist.	13465 May 18 11:42	7° <b>Ⅱ</b> 31'45	0.68888 AU
morning rise	13464 Jun 08 15:58	16° <b>Ⅱ</b> 31'57		morning rise	13465 May 24 02:23	0° <b>Ⅱ</b> 49'14	
direct	13464 Jun 13 14:28	14° <b>Ⅱ</b> 24'37			13465 May 25 06:02	30° <b>₹</b> 8	
desc. node	13464 Jun 23 09:10	20° <b>Ⅱ</b> 10'36		direct	13465 May 28 12:00	29° <b>8</b> 02'09	
morning max el	13464 Jun 23 09:18	20° <b>Ⅱ</b> 10′56	22°32'24		13465 Jun 01 00:02	$\Pi$ °0	
	13464 Jul 01 17:18	$0$ $\circ$ $\odot$		morning max el	13465 Jun 06 01:17	3° <b>Ⅱ</b> 57′23	21°08'33
	13464 Jul 22 07:28	$0^{\circ}\Omega$		desc. node	13465 Jun 10 06:11	8°Ⅲ38′01	
morning set	13464 Jul 27 02:08	7° <b>Ω</b> 39'25			13465 Jun 25 17:15	$0$ $\circ$ $\odot$	
max. Earth dist.	13464 Jul 31 22:57	15° <b>Ω</b> 44'18	1.40741 AU	morning set	13465 Jul 06 21:13	17° <b>©</b> 01'15	
				max. Earth dist.	13465 Jul 14 04:16	28°540'02	1.42864 AU
superior conj	13464 Aug 08 19:07	29° <b>Ω</b> 24'51			13465 Jul 14 23:51	$0$ $^{\circ}$ $\Omega$	
minimum elong	13464 Aug 09 00:30	29° <b>Ω</b> 49'04	1°11'42				
	13464 Aug 09 02:55	0° <b>m</b> )		superior conj	13465 Jul 21 08:36	10° <b>Ω</b> 37'21	
asc. node	13464 Aug 17 06:38	15° <b>m</b> 05'05		minimum elong	13465 Jul 21 15:47	11° <b>Ω</b> 07'56	1°44'02
evening rise	13464 Aug 18 21:21	18° <b>m</b> 07'24			13465 Aug 01 09:39	0° <b>m</b>	
_	13464 Aug 25 07:55	0∘ <b>亚</b>		evening rise	13465 Aug 01 23:11	1° Mp 00'40	
evening max el	13464 Sep 03 20:12	13° <b>≏</b> 44'16	18°21'56	asc. node	13465 Aug 04 03:15	4° <b>m</b> 53'56	
retrograde	13464 Sep 11 09:09	17° <b>≏</b> 33'18		evening max el	13465 Aug 18 07:42		18°04'21
evening set	13464 Sep 13 10:52	17° <b>≏</b> 16'44		_	13465 Aug 23 19:32	0∘ <b>⊽</b>	
desc. node	13464 Sep 19 05:56	14° <b>≏</b> 05'48		retrograde	13465 Aug 25 01:38	0° <b>ჲ</b> 07'22	

	13465 Aug 26 07:59	30°R, M⊅		retrograde	13466 Aug 08 07:16	13° <b>m</b> ) 19'55	
evening set	13465 Aug 27 10:50	29° Mp 41'33		evening set	13466 Aug 11 00:43	13 mg 19 33 12° mg 41'40	
inferior conj	13465 Sep 03 07:25	24° m) 44'24	0°51'17	inferior conj	13466 Aug 17 06:39	7° m) 26'26	1°54'02
minimum elong	13465 Sep 03 08:56	24° Mp 40'47	0°50'32	minimum elong	13466 Aug 17 00:39	7° mg 19'46	1°52'47
desc. node	13465 Sep 06 03:28	22° <b>m</b> ) 03'59	0 30 32	min. Earth dist.	13466 Aug 20 01:10	4° mg 29'06	0.62826 AU
min. Earth dist.	13465 Sep 06 05:28	21° Mp 45'07	0.60567 AU	morning rise	13466 Aug 23 15:25	1° Mg 25'00	0.02020710
morning rise	13465 Sep 10 04:03	18° <b>m</b> 52'19	0.00307710	desc. node	13466 Aug 24 00:59	0° m <sub>0</sub> 57'50	
direct	13465 Sep 16 18:05	16° Mp 44'33		dese. Hode	13466 Aug 25 14:45	30°R <b>Ω</b>	
morning max el	13465 Oct 01 00:49	24° m/38'52	27°54'30	direct	13466 Aug 30 07:35	28° <b>Ω</b> 47'02	
morning max or	13465 Oct 05 22:14	0∘ <b>ಹ</b>	27 3130	uncet	13466 Sep 04 08:18	0°m)	
	13465 Oct 25 15:16	0° <b>m</b> ₊		morning max el	13466 Sep 13 08:33	6° <b>m</b> 48'55	27°53'10
asc. node	13465 Oct 31 05:16	10°M43'52		morning max or	13466 Oct 01 01:24	0∘ <b>⊽</b>	27 33 10
morning set	13465 Nov 02 19:32	16°ML02'55		morning set	13466 Oct 17 17:03	ა <b>_</b> 29° <b>ჲ</b> 53'29	
max. Earth dist.	13465 Nov 08 18:25	28°M53'46	1.31345 AU	morning sec	13466 Oct 17 18:20	0°M	
max. Lartii dist.	13465 Nov 09 06:22	0° <b>√</b>	1.51545710	asc. node	13466 Oct 18 01:55	0°M38'29	
	13 103 1101 07 00.22	• •		max. Earth dist.	13466 Oct 22 21:25	10°M43'49	1.32010 AU
superior conj	13465 Nov 10 00:10	1° <b>∡</b> ³38'51	1°21'27	max. Earth dist.	13 100 001 22 21:23	10 10 13 17	1.52010110
minimum elong	13465 Nov 09 22:08	1° <b>×</b> <sup>7</sup> 27'29	1°22'04	superior conj	13466 Oct 25 08:38	16°ML05'03	1°04'44
evening rise	13465 Nov 16 16:55	16°×726'20	1 22 0 1	minimum elong	13466 Oct 25 06:21	15°M52'35	1°05'03
e vening rise	13465 Nov 23 07:33	0°ਰ ਹ		minimum crong	13466 Oct 31 17:03	0° <b>₹</b>	1 03 03
desc. node	13465 Dec 03 00:14	16° <b>පි</b> 37'20		evening rise	13466 Nov 01 03:54	0° <b>∡</b> 758'35	
dese. node	13465 Dec 13 20:29	0°≈		evening rise	13466 Nov 16 21:23	0°る	
evening max el	13465 Dec 13 23:04	0°≈06'09	25°32'32	desc. node	13466 Nov 19 21:24	4° <b>る</b> 07'00	
retrograde	13465 Dec 27 20:03	7°≈05'35	20 32 32	evening max el	13466 Nov 25 10:12	10°る21'03	23°56'36
evening set	13466 Jan 02 19:17	5°≈43'48		retrograde	13466 Dec 08 23:54	17° <b>ろ</b> 06'38	25 5050
min. Earth dist.	13466 Jan 07 11:23	3°≈05'07	0.57240 AU	evening set	13466 Dec 13 19:53	16° <b>る</b> 15'38	
inferior conj	13466 Jan 10 08:30	1°≈07'45		min. Earth dist.	13466 Dec 19 21:16	13° <b>る</b> 17'19	0.55590 AU
minimum elong	13466 Jan 10 17:15	0°≈52'52		inferior conj	13466 Dec 21 21:13	12° <b>る</b> 05'16	
g	13466 Jan 12 01:00	30°Ŗ <b>ට</b>	015	minimum elong	13466 Dec 22 02:13	11° <b>る</b> 57'45	
morning rise	13466 Jan 18 17:50	26° <b>ප</b> 52'11		morning rise	13466 Dec 30 10:25	8° <b>ろ</b> 08'53	
direct	13466 Jan 20 21:20	26° <b>පි</b> 38'16		direct	13467 Jan 02 00:27	7° <b>る</b> 51'58	
asc. node	13466 Jan 27 04:30	28° <b>ප්</b> 47'06		morning max el	13467 Jan 12 11:40	12° <b>る</b> 52'56	20°04'37
use. Houe	13466 Jan 28 18:14	0°≈		asc. node	13467 Jan 14 01:48	14° <b>る</b> 31'14	20 0.57
morning max el	13466 Jan 29 20:17	0°≈59'37	18°57'47		13467 Jan 24 08:40	0° <b>≈</b>	
morning set	13466 Feb 15 07:23	27° <b>≈</b> 31'20		morning set	13467 Jan 30 12:51	12° <b>≈</b> 06'45	
3	13466 Feb 16 13:33	0° <b>)</b> €		. 8			
				superior conj	13467 Feb 07 05:59	27° <b>≈</b> 50'07	1°06'06
superior conj	13466 Feb 23 18:48	14° <b>₩</b> 04'32	0°41'43	minimum elong	13467 Feb 07 08:44	28° <b>≈</b> 03'52	1°06'22
minimum elong				8		0° <b>∀</b>	
	13466 Feb 23 21:14	14° <b>米</b> 16'06	0°41'43		13467 Feb 08 08:04	υ·π	
Č		14° <b> ∺</b> 16'06 23° <b>∺</b> 51'45	0°41′43	max. Earth dist.			1.36886 AU
desc. node	13466 Mar 01 01:07	23° <b>¥</b> 51'45		max. Earth dist.	13467 Feb 13 01:45	9° <b>∺</b> 09'54	1.36886 AU
Č	13466 Mar 01 01:07 13466 Mar 02 19:17	23° <b>)</b> 51'45 27° <b>)</b> €00'55	1.39115 AU	desc. node	13467 Feb 13 01:45 13467 Feb 15 21:39	9° <b>光</b> 09'54 14° <b>光</b> 24'37	1.36886 AU
desc. node max. Earth dist.	13466 Mar 01 01:07 13466 Mar 02 19:17 13466 Mar 04 11:54	23°¥51'45 27°¥00'55 0°℃			13467 Feb 13 01:45 13467 Feb 15 21:39 13467 Feb 16 19:53	9° <b>光</b> 09'54 14° <b>光</b> 24'37 16° <b>光</b> 05'22	1.36886 AU
desc. node	13466 Mar 01 01:07 13466 Mar 02 19:17 13466 Mar 04 11:54 13466 Mar 06 15:24	23°¥51'45 27°¥00'55 0°℃ 3°℃42'31		desc. node	13467 Feb 13 01:45 13467 Feb 15 21:39 13467 Feb 16 19:53 13467 Feb 24 22:18	9°₩09'54 14°₩24'37 16°₩05'22 0°Ψ	1.36886 AU
desc. node max. Earth dist. evening rise	13466 Mar 01 01:07 13466 Mar 02 19:17 13466 Mar 04 11:54 13466 Mar 06 15:24 13466 Mar 23 08:15	23°¥51'45 27°¥00'55 0°℃ 3°℃42'31 0°8	1.39115 AU	desc. node evening rise	13467 Feb 13 01:45 13467 Feb 15 21:39 13467 Feb 16 19:53 13467 Feb 24 22:18 13467 Mar 17 20:47	9°¥09'54 14°¥24'37 16°¥05'22 0°Ƴ 0° <b>४</b>	
desc. node max. Earth dist. evening rise evening max el	13466 Mar 01 01:07 13466 Mar 02 19:17 13466 Mar 04 11:54 13466 Mar 06 15:24 13466 Mar 23 08:15 13466 Apr 10 18:34	23°¥51'45 27°¥00'55 0°Y 3°Y42'31 0°8 23°815'40		desc. node evening rise evening max el	13467 Feb 13 01:45 13467 Feb 15 21:39 13467 Feb 16 19:53 13467 Feb 24 22:18 13467 Mar 17 20:47 13467 Mar 24 07:59	9°¥09'54 14°¥24'37 16°¥05'22 0°Y' 0°8 7°807'22	
desc. node max. Earth dist. evening rise evening max el retrograde	13466 Mar 01 01:07 13466 Mar 02 19:17 13466 Mar 04 11:54 13466 Mar 06 15:24 13466 Mar 23 08:15 13466 Apr 10 18:34 13466 Apr 22 05:35	23°\text{\fish}51'45 27°\text{\fish}00'55 0°\text{\text{\text{\$0\$}}} 3°\text{\text{\text{\$42'}}}31 0°\text{\text{\$23'}} 23°\text{\text{\$51'40}} 29°\text{\text{\$58'27}}	1.39115 AU	desc. node evening rise  evening max el retrograde	13467 Feb 13 01:45 13467 Feb 15 21:39 13467 Feb 16 19:53 13467 Feb 24 22:18 13467 Mar 17 20:47 13467 Mar 24 07:59 13467 Apr 05 17:58	9°¥09'54 14°¥24'37 16°¥05'22 0° <b>Y</b> 0° <b>8</b> 7° <b>8</b> 07'22 14° <b>8</b> 16'44	
desc. node max. Earth dist. evening rise evening max el retrograde asc. node	13466 Mar 01 01:07 13466 Mar 02 19:17 13466 Mar 04 11:54 13466 Mar 06 15:24 13466 Mar 23 08:15 13466 Apr 10 18:34 13466 Apr 22 05:35 13466 Apr 25 01:01	23°\\$51'45 27°\\$00'55 0°\\$\\$3°\\$42'31 0°\\$\\$23°\\$15'40 29°\\$58'27 29°\\$23'26	1.39115 AU	desc. node evening rise  evening max el retrograde evening set	13467 Feb 13 01:45 13467 Feb 15 21:39 13467 Feb 16 19:53 13467 Feb 24 22:18 13467 Mar 17 20:47 13467 Mar 24 07:59 13467 Apr 05 17:58 13467 Apr 11 17:30	9°¥09'54 14°¥24'37 16°¥05'22 0°Y 0°8 7°807'22 14°816'44 11°848'42	
desc. node max. Earth dist.  evening rise  evening max el retrograde asc. node evening set	13466 Mar 01 01:07 13466 Mar 02 19:17 13466 Mar 04 11:54 13466 Mar 06 15:24 13466 Mar 23 08:15 13466 Apr 10 18:34 13466 Apr 22 05:35 13466 Apr 25 01:01 13466 Apr 27 17:48	23°\t51'45 27°\t00'55 0°\tag{7} 3°\tag{42'31} 0°\tag{23} 23°\tag{58'27} 29°\tag{58'27} 29°\tag{23'26} 27°\tag{39'08}	1.39115 AU 24°25'11	evening rise  evening max el retrograde evening set asc. node	13467 Feb 13 01:45 13467 Feb 15 21:39 13467 Feb 16 19:53 13467 Feb 24 22:18 13467 Mar 17 20:47 13467 Mar 24 07:59 13467 Apr 05 17:58 13467 Apr 11 17:30 13467 Apr 11 22:26	9° ★09'54 14° ★24'37 16° ★05'22 0° ❤ 0° ℧ 7° ℧07'22 14° ℧16'44 11° ℧48'42 11° ℧38'09	25°39'42
desc. node max. Earth dist.  evening rise  evening max el retrograde asc. node evening set min. Earth dist.	13466 Mar 01 01:07 13466 Mar 02 19:17 13466 Mar 04 11:54 13466 Mar 06 15:24 13466 Mar 23 08:15 13466 Apr 10 18:34 13466 Apr 22 05:35 13466 Apr 25 01:01 13466 Apr 27 17:48 13466 May 02 07:29	23°\t51'45 27°\t00'55 0°\tag{7} 3°\tag{42'31} 0°\tag{23} 23°\tag{515'40} 29°\tag{58'27} 29°\tag{23'26} 27°\tag{39'08} 22°\tag{24'57}	1.39115 AU 24°25'11 0.68465 AU	evening rise  evening max el retrograde evening set asc. node min. Earth dist.	13467 Feb 13 01:45 13467 Feb 15 21:39 13467 Feb 16 19:53 13467 Feb 24 22:18 13467 Mar 17 20:47 13467 Mar 24 07:59 13467 Apr 05 17:58 13467 Apr 11 17:30 13467 Apr 11 22:26 13467 Apr 16 00:14	9° ★09'54 14° ★24'37 16° ★05'22 0° ❤ 0° ℧ 7° ℧07'22 14° ℧16'44 11° ℧48'42 11° ℧38'09 7° ℧09'55	25°39'42 0.67596 AU
desc. node max. Earth dist.  evening rise  evening max el retrograde asc. node evening set min. Earth dist. inferior conj	13466 Mar 01 01:07 13466 Mar 02 19:17 13466 Mar 04 11:54 13466 Mar 06 15:24 13466 Mar 23 08:15 13466 Apr 10 18:34 13466 Apr 22 05:35 13466 Apr 25 01:01 13466 Apr 27 17:48 13466 May 02 07:29 13466 May 03 06:03	23°\\$51'45 27°\\$00'55 0°\\$\gamma\\$3°\\$42'31 0°\\$\ 23°\\$58'27 29°\\$58'27 29°\\$23'26 27°\\$39'08 22°\\$24'57 21°\\$09'08	1.39115 AU 24°25'11 0.68465 AU 2°17'49	evening rise  evening max el retrograde evening set asc. node min. Earth dist. inferior conj	13467 Feb 13 01:45 13467 Feb 15 21:39 13467 Feb 16 19:53 13467 Feb 24 22:18 13467 Mar 17 20:47 13467 Mar 24 07:59 13467 Apr 05 17:58 13467 Apr 11 17:30 13467 Apr 11 22:26 13467 Apr 16 00:14 13467 Apr 17 11:11	9° ★09'54 14° ★24'37 16° ★05'22 0° ❤ 0° ℧ 7° ℧07'22 14° ℧16'44 11° ℧48'42 11° ℧38'09 7° ℧09'55 5° ℧18'22	25°39'42 0.67596 AU 1°39'03
desc. node max. Earth dist.  evening rise  evening max el retrograde asc. node evening set min. Earth dist. inferior conj minimum elong	13466 Mar 01 01:07 13466 Mar 02 19:17 13466 Mar 04 11:54 13466 Mar 06 15:24 13466 Mar 23 08:15 13466 Apr 10 18:34 13466 Apr 22 05:35 13466 Apr 25 01:01 13466 Apr 27 17:48 13466 May 02 07:29 13466 May 03 06:03 13466 May 03 03:55	23°\\$51'45 27°\\$00'55 0°\\$\gamma\\$3°\\$42'31 0°\\$\bigsim 23°\\$58'27 29°\\$23'26 27°\\$39'08 22°\\$24'57 21°\\$09'08 21°\\$16'20	1.39115 AU 24°25'11 0.68465 AU	evening rise  evening max el retrograde evening set asc. node min. Earth dist.	13467 Feb 13 01:45 13467 Feb 15 21:39 13467 Feb 16 19:53 13467 Feb 24 22:18 13467 Mar 17 20:47 13467 Mar 24 07:59 13467 Apr 05 17:58 13467 Apr 11 17:30 13467 Apr 11 22:26 13467 Apr 16 00:14 13467 Apr 17 11:11 13467 Apr 17 09:11	9° χ09'54 14° χ24'37 16° χ05'22 0° γ 0° δ 7° δ07'22 14° δ16'44 11° δ48'42 11° δ38'09 7° δ09'55 5° δ18'22 5° δ24'48	25°39'42 0.67596 AU 1°39'03
desc. node max. Earth dist.  evening rise  evening max el retrograde asc. node evening set min. Earth dist. inferior conj minimum elong morning rise	13466 Mar 01 01:07 13466 Mar 02 19:17 13466 Mar 04 11:54 13466 Mar 06 15:24 13466 Mar 23 08:15 13466 Apr 10 18:34 13466 Apr 22 05:35 13466 Apr 25 01:01 13466 Apr 27 17:48 13466 May 02 07:29 13466 May 03 06:03 13466 May 03 03:55 13466 May 08 14:10	23°\\$51'45 27°\\$00'55 0°\\$7 3°\\$42'31 0°\\$8 23°\\$58'27 29°\\$23'26 27°\\$39'08 22°\\$24'57 21°\\$09'08 21°\\$16'20 15°\\$09'23	1.39115 AU 24°25'11 0.68465 AU 2°17'49	evening rise  evening max el retrograde evening set asc. node min. Earth dist. inferior conj minimum elong	13467 Feb 13 01:45 13467 Feb 15 21:39 13467 Feb 16 19:53 13467 Feb 24 22:18 13467 Mar 17 20:47 13467 Mar 24 07:59 13467 Apr 05 17:58 13467 Apr 11 17:30 13467 Apr 11 22:26 13467 Apr 16 00:14 13467 Apr 17 11:11 13467 Apr 17 09:11 13467 Apr 22 07:31	9° χ09'54 14° χ24'37 16° χ05'22 0° Υ 0° ϒ 7° ℧07'22 14° ℧16'44 11° ℧48'42 11° ℧38'09 7° ℧09'55 5° ℧18'22 5° ℧24'48 30° κΥ	25°39'42 0.67596 AU 1°39'03
desc. node max. Earth dist.  evening rise  evening max el retrograde asc. node evening set min. Earth dist. inferior conj minimum elong morning rise direct	13466 Mar 01 01:07 13466 Mar 02 19:17 13466 Mar 04 11:54 13466 Mar 06 15:24 13466 Mar 23 08:15 13466 Apr 10 18:34 13466 Apr 22 05:35 13466 Apr 25 01:01 13466 Apr 27 17:48 13466 May 02 07:29 13466 May 03 06:03 13466 May 03 03:55 13466 May 08 14:10 13466 May 12 11:25	23°\\$51'45 27°\\$00'55 0°\\$7 3°\\$42'31 0°\\$8 23°\\$58'27 29°\\$23'26 27°\\$39'08 22°\\$24'57 21°\\$09'08 21°\\$16'20 15°\\$09'23 13°\\$43'11	1.39115 AU 24°25'11 0.68465 AU 2°17'49 2°16'30	evening rise  evening max el retrograde evening set asc. node min. Earth dist. inferior conj minimum elong	13467 Feb 13 01:45 13467 Feb 15 21:39 13467 Feb 16 19:53 13467 Feb 24 22:18 13467 Mar 17 20:47 13467 Mar 24 07:59 13467 Apr 05 17:58 13467 Apr 11 17:30 13467 Apr 11 22:26 13467 Apr 16 00:14 13467 Apr 17 11:11 13467 Apr 17 09:11 13467 Apr 22 07:31 13467 Apr 23 01:25	9° χ09'54 14° χ24'37 16° χ05'22 0° Υ 0° ႘ 7° ႘07'22 14° ႘16'44 11° ႘48'42 11° ႘38'09 7° ႘09'55 5° ႘18'22 5° ႘24'48 30° R Υ 29° Υ27'58	25°39'42 0.67596 AU 1°39'03
desc. node max. Earth dist.  evening rise  evening max el retrograde asc. node evening set min. Earth dist. inferior conj minimum elong morning rise direct morning max el	13466 Mar 01 01:07 13466 Mar 02 19:17 13466 Mar 04 11:54 13466 Mar 06 15:24 13466 Mar 23 08:15 13466 Apr 10 18:34 13466 Apr 22 05:35 13466 Apr 25 01:01 13466 Apr 27 17:48 13466 May 02 07:29 13466 May 03 06:03 13466 May 03 03:55 13466 May 08 14:10 13466 May 12 11:25 13466 May 20 00:15	23°\\$51'45 27°\\$00'55 0°\\$ 3°\\$42'31 0°\\$ 23°\\$515'40 29°\\$58'27 29°\\$23'26 27°\\$39'08 22°\\$24'57 21°\\$09'08 21°\\$16'20 15°\\$09'23 13°\\$43'11 17°\\$55'39	1.39115 AU 24°25'11 0.68465 AU 2°17'49	evening rise  evening max el retrograde evening set asc. node min. Earth dist. inferior conj minimum elong	13467 Feb 13 01:45 13467 Feb 15 21:39 13467 Feb 16 19:53 13467 Feb 24 22:18 13467 Mar 17 20:47 13467 Mar 24 07:59 13467 Apr 05 17:58 13467 Apr 11 17:30 13467 Apr 11 22:26 13467 Apr 16 00:14 13467 Apr 17 11:11 13467 Apr 17 09:11 13467 Apr 22 07:31 13467 Apr 23 01:25 13467 Apr 26 11:10	9° χ09'54 14° χ24'37 16° χ05'22 0° Υ 0° ႘ 7° ႘07'22 14° ႘16'44 11° ႘48'42 11° ႘38'09 7° ႘09'55 5° ႘18'22 5° ႘24'48 30° R Υ 29° Υ27'58 28° Υ21'27	25°39'42 0.67596 AU 1°39'03
desc. node max. Earth dist.  evening rise  evening max el retrograde asc. node evening set min. Earth dist. inferior conj minimum elong morning rise direct	13466 Mar 01 01:07 13466 Mar 02 19:17 13466 Mar 04 11:54 13466 Mar 06 15:24 13466 Mar 23 08:15 13466 Apr 10 18:34 13466 Apr 22 05:35 13466 Apr 25 01:01 13466 Apr 27 17:48 13466 May 02 07:29 13466 May 03 03:55 13466 May 03 03:55 13466 May 08 14:10 13466 May 12 11:25 13466 May 20 00:15 13466 May 20 00:15 13466 May 28 03:05	23°\\$51'45 27°\\$00'55 0°\\$ 3°\\$42'31 0°\\$ 23°\\$5'40 29°\\$58'27 29°\\$23'26 27°\\$39'08 22°\\$24'57 21°\\$09'08 21°\\$16'20 15°\\$09'23 13°\\$43'11 17°\\$55'39 27°\\$47'02	1.39115 AU 24°25'11 0.68465 AU 2°17'49 2°16'30	desc. node evening rise  evening max el retrograde evening set asc. node min. Earth dist. inferior conj minimum elong  morning rise direct	13467 Feb 13 01:45 13467 Feb 15 21:39 13467 Feb 16 19:53 13467 Feb 24 22:18 13467 Mar 17 20:47 13467 Mar 24 07:59 13467 Apr 05 17:58 13467 Apr 11 17:30 13467 Apr 11 22:26 13467 Apr 16 00:14 13467 Apr 17 09:11 13467 Apr 22 07:31 13467 Apr 23 01:25 13467 Apr 26 11:10 13467 Apr 30 20:36	9° χ09'54 14° χ24'37 16° χ05'22 0° Υ 0° ႘ 7° ႘07'22 14° ႘16'44 11° ႘48'42 11° ႘38'09 7° ႘09'55 5° ႘18'22 5° ႘24'48 30° κΥ 29° Υ27'58 28° Υ21'27 0° ႘	25°39'42 0.67596 AU 1°39'03 1°37'52
desc. node max. Earth dist.  evening rise  evening max el retrograde asc. node evening set min. Earth dist. inferior conj minimum elong morning rise direct morning max el desc. node	13466 Mar 01 01:07 13466 Mar 02 19:17 13466 Mar 04 11:54 13466 Mar 06 15:24 13466 Mar 23 08:15 13466 Apr 10 18:34 13466 Apr 22 05:35 13466 Apr 27 17:48 13466 May 02 07:29 13466 May 03 06:03 13466 May 03 03:55 13466 May 03 03:55 13466 May 12 11:25 13466 May 20 00:15 13466 May 28 03:05 13466 May 29 17:26	23°\\$51'45 27°\\$00'55 0°\\$7 3°\\$42'31 0°\\$8 23°\\$515'40 29°\\$58'27 29°\\$23'26 27°\\$39'08 22°\\$24'57 21°\\$09'08 21°\\$16'20 15°\\$09'23 13°\\$43'11 17°\\$55'39 27°\\$47'02 0°\\$I	1.39115 AU 24°25'11 0.68465 AU 2°17'49 2°16'30	evening rise  evening max el retrograde evening set asc. node min. Earth dist. inferior conj minimum elong morning rise direct	13467 Feb 13 01:45 13467 Feb 15 21:39 13467 Feb 16 19:53 13467 Feb 24 22:18 13467 Mar 17 20:47 13467 Mar 24 07:59 13467 Apr 05 17:58 13467 Apr 11 17:30 13467 Apr 11 122:26 13467 Apr 16 00:14 13467 Apr 17 11:11 13467 Apr 17 09:11 13467 Apr 22 07:31 13467 Apr 23 01:25 13467 Apr 26 11:10 13467 Apr 30 20:36 13467 May 03 06:41	9° χ09'54 14° χ24'37 16° χ05'22 0° Υ 0° ႘ 7° ႘07'22 14° ႘16'44 11° ႘48'42 11° ႘38'09 7° ႘09'55 5° ႘18'22 5° ႘24'48 30° κΥ 29° Υ27'58 28° Υ21'27 0° ႘ 2° ႘03'09	25°39'42 0.67596 AU 1°39'03
desc. node max. Earth dist.  evening rise  evening max el retrograde asc. node evening set min. Earth dist. inferior conj minimum elong morning rise direct morning max el	13466 Mar 01 01:07 13466 Mar 02 19:17 13466 Mar 04 11:54 13466 Mar 06 15:24 13466 Mar 23 08:15 13466 Apr 10 18:34 13466 Apr 22 05:35 13466 Apr 27 17:48 13466 May 02 07:29 13466 May 03 06:03 13466 May 03 06:03 13466 May 03 03:55 13466 May 08 14:10 13466 May 20 00:15 13466 May 28 03:05 13466 May 29 17:26 13466 Jun 15 23:56	23°\\$51'45 27°\\$00'55 0°\Y 3°\Y42'31 0°\\$ 23°\\$15'40 29°\\$58'27 29°\\$23'26 27°\\$39'08 22°\\$24'57 21°\\$09'08 21°\\$16'20 15°\\$09'23 13°\\$43'11 17°\\$55'39 27°\\$47'02 0°\\$\\$1 25°\\$\\$143'18	1.39115 AU 24°25'11 0.68465 AU 2°17'49 2°16'30	evening rise  evening max el retrograde evening set asc. node min. Earth dist. inferior conj minimum elong morning rise direct  morning max el desc. node	13467 Feb 13 01:45 13467 Feb 15 21:39 13467 Feb 16 19:53 13467 Feb 24 22:18 13467 Mar 17 20:47 13467 Mar 24 07:59 13467 Apr 05 17:58 13467 Apr 11 17:30 13467 Apr 11 22:26 13467 Apr 16 00:14 13467 Apr 17 11:11 13467 Apr 17 09:11 13467 Apr 23 01:25 13467 Apr 26 11:10 13467 Apr 30 20:36 13467 May 03 06:41 13467 May 14 23:53	9° \cdot 09'54 14° \cdot 24'37 16° \cdot 05'22 0° \cdot 0° \cdot 0° \cdot 0'22 14° \cdot 016'44 11° \cdot 38'09 7° \cdot 09'55 5° \cdot 18'22 5° \cdot 24'48 30° \cdot \cdot \cdot 29' \cdot 27'58 28° \cdot \cdot 21'27 0° \cdot 20'803'09 17° \cdot 26'05	25°39'42 0.67596 AU 1°39'03 1°37'52
desc. node max. Earth dist.  evening rise  evening max el retrograde asc. node evening set min. Earth dist. inferior conj minimum elong morning rise direct morning max el desc. node  morning set	13466 Mar 01 01:07 13466 Mar 02 19:17 13466 Mar 04 11:54 13466 Mar 06 15:24 13466 Mar 23 08:15 13466 Apr 10 18:34 13466 Apr 22 05:35 13466 Apr 25 01:01 13466 Apr 27 17:48 13466 May 02 07:29 13466 May 03 06:03 13466 May 03 03:55 13466 May 08 14:10 13466 May 20 00:15 13466 May 20 00:15 13466 May 29 17:26 13466 Jun 15 23:56 13466 Jun 18 18:29	23°\\$51'45 27°\\$00'55 0°\Y 3°\Y42'31 0°\\$ 23°\\$15'40 29°\\$58'27 29°\\$23'26 27°\\$39'08 22°\\$24'57 21°\\$09'08 21°\\$16'20 15°\\$09'23 13°\\$43'11 17°\\$55'39 27°\\$47'02 0°\\$\\$1 25°\\$143'18	1.39115 AU 24°25'11  0.68465 AU 2°17'49 2°16'30  19°56'04	evening rise  evening max el retrograde evening set asc. node min. Earth dist. inferior conj minimum elong morning rise direct	13467 Feb 13 01:45 13467 Feb 15 21:39 13467 Feb 16 19:53 13467 Feb 24 22:18 13467 Mar 17 20:47 13467 Mar 24 07:59 13467 Apr 05 17:58 13467 Apr 11 17:30 13467 Apr 16 00:14 13467 Apr 17 11:11 13467 Apr 17 09:11 13467 Apr 22 07:31 13467 Apr 23 01:25 13467 Apr 26 11:10 13467 Apr 30 20:36 13467 May 03 06:41 13467 May 14 23:53 13467 May 16 14:28	9° ★09'54 14° ★24'37 16° ★05'22 0° ϒ 0° ℧ 7° ℧07'22 14° ℧16'44 11° ℧48'42 11° ℧38'09 7° ℧09'55 5° ℧18'22 5° ℧24'48 30° ℝ ϒ 29° ϒ 27'58 28° ϒ 21'27 0° ℧ 2° ℧03'09 17° ℧26'05 19° ℧50'59	25°39'42 0.67596 AU 1°39'03 1°37'52
desc. node max. Earth dist.  evening rise  evening max el retrograde asc. node evening set min. Earth dist. inferior conj minimum elong morning rise direct morning max el desc. node	13466 Mar 01 01:07 13466 Mar 02 19:17 13466 Mar 04 11:54 13466 Mar 06 15:24 13466 Mar 23 08:15 13466 Apr 10 18:34 13466 Apr 22 05:35 13466 Apr 27 17:48 13466 May 02 07:29 13466 May 03 06:03 13466 May 03 06:03 13466 May 03 03:55 13466 May 08 14:10 13466 May 20 00:15 13466 May 28 03:05 13466 May 29 17:26 13466 Jun 15 23:56	23°\\$51'45 27°\\$00'55 0°\\$\gamma\\$3°\\$42'31 0°\\$\23°\\$15'40 29°\\$58'27 29°\\$23'26 27°\\$39'08 22°\\$24'57 21°\\$09'08 21°\\$16'20 15°\\$09'23 13°\\$43'11 17°\\$55'39 27°\\$47'02 0°\\$\\$1 25°\\$143'18 0°\\$5	1.39115 AU 24°25'11 0.68465 AU 2°17'49 2°16'30	evening rise  evening max el retrograde evening set asc. node min. Earth dist. inferior conj minimum elong morning rise direct  morning max el desc. node greatest brilliancy	13467 Feb 13 01:45 13467 Feb 15 21:39 13467 Feb 16 19:53 13467 Feb 24 22:18 13467 Mar 17 20:47 13467 Mar 24 07:59 13467 Apr 05 17:58 13467 Apr 11 17:30 13467 Apr 11 22:26 13467 Apr 16 00:14 13467 Apr 17 11:11 13467 Apr 17 09:11 13467 Apr 22 07:31 13467 Apr 23 01:25 13467 Apr 26 11:10 13467 Apr 30 20:36 13467 May 03 06:41 13467 May 14 23:53 13467 May 16 14:28 13467 May 23 05:32	9° ★09'54 14° ★24'37 16° ★05'22 0° ϒ 0° ℧ 7° ℧07'22 14° ℧16'44 11° ℧48'42 11° ℧38'09 7° ℧09'55 5° ℧18'22 5° ℧24'48 30° ℝ ϒ 29° ϒ27'58 28° ϒ21'27 0° ℧ 2° ℧03'09 17° ℧26'05 19° ℧50'59 0° Ⅱ	25°39'42 0.67596 AU 1°39'03 1°37'52
desc. node max. Earth dist.  evening rise  evening max el retrograde asc. node evening set min. Earth dist. inferior conj minimum elong morning rise direct morning max el desc. node  morning set max. Earth dist.	13466 Mar 01 01:07 13466 Mar 02 19:17 13466 Mar 04 11:54 13466 Mar 06 15:24 13466 Mar 23 08:15 13466 Apr 10 18:34 13466 Apr 22 05:35 13466 Apr 25 01:01 13466 Apr 27 17:48 13466 May 02 07:29 13466 May 03 06:03 13466 May 03 03:55 13466 May 08 14:10 13466 May 12 11:25 13466 May 20 00:15 13466 May 20 00:15 13466 May 29 17:26 13466 Jun 15 23:56 13466 Jun 18 18:29 13466 Jun 26 15:54	23°\\$51'45 27°\\$00'55 0°\Y 3°\Y42'31 0°\\$ 23°\\$515'40 29°\\$58'27 29°\\$23'26 27°\\$39'08 22°\\$24'57 21°\\$09'08 21°\\$16'20 15°\\$09'23 13°\\$43'11 17°\\$55'39 27°\\$47'02 0°\\$\\$1 25°\\$143'18 0°\\$\\$12°\\$22'13	1.39115 AU 24°25'11 0.68465 AU 2°17'49 2°16'30 19°56'04	evening rise  evening max el retrograde evening set asc. node min. Earth dist. inferior conj minimum elong  morning rise direct  morning max el desc. node greatest brilliancy	13467 Feb 13 01:45 13467 Feb 15 21:39 13467 Feb 16 19:53 13467 Feb 24 22:18 13467 Mar 17 20:47 13467 Mar 24 07:59 13467 Apr 05 17:58 13467 Apr 11 17:30 13467 Apr 11 22:26 13467 Apr 16 00:14 13467 Apr 17 11:11 13467 Apr 17 09:11 13467 Apr 22 07:31 13467 Apr 23 01:25 13467 Apr 26 11:10 13467 Apr 30 20:36 13467 May 03 06:41 13467 May 14 23:53 13467 May 16 14:28 13467 May 23 05:32 13467 May 26 06:14	9° ★09'54 14° ★24'37 16° ★05'22 0° ϒ 0° ℧ 7° ℧07'22 14° ℧16'44 11° ℧48'42 11° ℧38'09 7° ℧09'55 5° ℧18'22 5° ℧24'48 30° ℝ ϒ 29° ϒ27'58 28° ϒ21'27 0° ℧ 2° ℧03'09 17° ℧26'05 19° ℧50'59 0° Ⅱ 4° Ⅱ41'12	25°39'42 0.67596 AU 1°39'03 1°37'52 18°58'26 -0.7m
desc. node max. Earth dist.  evening rise  evening max el retrograde asc. node evening set min. Earth dist. inferior conj minimum elong morning rise direct morning max el desc. node  morning set max. Earth dist. superior conj	13466 Mar 01 01:07 13466 Mar 02 19:17 13466 Mar 04 11:54 13466 Mar 06 15:24 13466 Mar 23 08:15 13466 Apr 10 18:34 13466 Apr 22 05:35 13466 Apr 25 01:01 13466 Apr 27 17:48 13466 May 02 07:29 13466 May 03 06:03 13466 May 03 03:55 13466 May 08 14:10 13466 May 12 11:25 13466 May 20 00:15 13466 May 20 00:15 13466 May 29 17:26 13466 Jun 15 23:56 13466 Jun 15 18:29 13466 Jun 26 15:54	23°\\$51'45 27°\\$00'55 0°\Y 3°\Y42'31 0°\\$ 23°\\$15'40 29°\\$58'27 29°\\$23'26 27°\\$39'08 22°\\$24'57 21°\\$09'08 21°\\$16'20 15°\\$09'23 13°\\$43'11 17°\\$55'39 27°\\$47'02 0°\\$\\$12°\\$21'13 20°\\$49'23	1.39115 AU 24°25'11 0.68465 AU 2°17'49 2°16'30 19°56'04 1.44521 AU -2°06'45	evening rise  evening max el retrograde evening set asc. node min. Earth dist. inferior conj minimum elong morning rise direct  morning max el desc. node greatest brilliancy	13467 Feb 13 01:45 13467 Feb 15 21:39 13467 Feb 16 19:53 13467 Feb 24 22:18 13467 Mar 17 20:47 13467 Mar 24 07:59 13467 Apr 05 17:58 13467 Apr 11 17:30 13467 Apr 11 22:26 13467 Apr 16 00:14 13467 Apr 17 11:11 13467 Apr 17 09:11 13467 Apr 22 07:31 13467 Apr 23 01:25 13467 Apr 26 11:10 13467 Apr 30 20:36 13467 May 03 06:41 13467 May 14 23:53 13467 May 16 14:28 13467 May 23 05:32	9° ★09'54 14° ★24'37 16° ★05'22 0° ϒ 0° ℧ 7° ℧07'22 14° ℧16'44 11° ℧48'42 11° ℧38'09 7° ℧09'55 5° ℧18'22 5° ℧24'48 30° ℝ ϒ 29° ϒ27'58 28° ϒ21'27 0° ℧ 2° ℧03'09 17° ℧26'05 19° ℧50'59 0° Ⅱ	25°39'42 0.67596 AU 1°39'03 1°37'52
desc. node max. Earth dist.  evening rise  evening max el retrograde asc. node evening set min. Earth dist. inferior conj minimum elong morning rise direct morning max el desc. node  morning set max. Earth dist.	13466 Mar 01 01:07 13466 Mar 02 19:17 13466 Mar 04 11:54 13466 Mar 06 15:24 13466 Mar 23 08:15 13466 Apr 10 18:34 13466 Apr 22 05:35 13466 Apr 25 01:01 13466 Apr 27 17:48 13466 May 02 07:29 13466 May 03 06:03 13466 May 03 03:55 13466 May 08 14:10 13466 May 12 11:25 13466 May 20 00:15 13466 May 20 00:15 13466 May 20 17:26 13466 Jun 15 23:56 13466 Jun 15 18:29 13466 Jun 26 15:54	23°\\$51'45 27°\\$00'55 0°\Y 3°\\$42'31 0°\\$ 23°\\$42'31 0°\\$ 23°\\$42'31 29°\\$23'26 27°\\$39'08 22°\\$24'57 21°\\$09'08 21°\\$16'20 15°\\$09'23 13°\\$43'11 17°\\$55'39 27°\\$47'02 0°\\$\\$1 25°\\$43'18 0°\\$ 12°\\$22'13 20°\\$49'23 21°\\$11'20	1.39115 AU 24°25'11 0.68465 AU 2°17'49 2°16'30 19°56'04 1.44521 AU -2°06'45	evening rise  evening max el retrograde evening set asc. node min. Earth dist. inferior conj minimum elong  morning rise direct  morning max el desc. node greatest brilliancy  morning set max. Earth dist.	13467 Feb 13 01:45 13467 Feb 15 21:39 13467 Feb 16 19:53 13467 Feb 24 22:18 13467 Mar 17 20:47 13467 Mar 24 07:59 13467 Apr 05 17:58 13467 Apr 11 17:30 13467 Apr 11 22:26 13467 Apr 16 00:14 13467 Apr 17 09:11 13467 Apr 22 07:31 13467 Apr 23 01:25 13467 Apr 26 11:10 13467 Apr 30 20:36 13467 May 03 06:41 13467 May 14 23:53 13467 May 16 14:28 13467 May 23 05:32 13467 May 26 06:14 13467 Jun 09 08:28	9°\text{\tex	25°39'42 0.67596 AU 1°39'03 1°37'52 18°58'26 -0.7m 1.45542 AU
desc. node max. Earth dist.  evening rise  evening max el retrograde asc. node evening set min. Earth dist. inferior conj minimum elong morning rise direct morning max el desc. node  morning set max. Earth dist. superior conj minimum elong	13466 Mar 01 01:07 13466 Mar 02 19:17 13466 Mar 04 11:54 13466 Mar 06 15:24 13466 Mar 23 08:15 13466 Apr 10 18:34 13466 Apr 22 05:35 13466 Apr 25 01:01 13466 Apr 27 17:48 13466 May 02 07:29 13466 May 03 06:03 13466 May 03 03:55 13466 May 08 14:10 13466 May 12 11:25 13466 May 20 00:15 13466 May 20 00:15 13466 May 28 03:05 13466 May 29 17:26 13466 Jun 15 23:56 13466 Jun 15 23:56 13466 Jun 16 18:29 13466 Jul 01 22:20 13466 Jul 01 22:20 13466 Jul 02 03:44 13466 Jul 07 12:28	23°\\$51'45 27°\\$00'55 0°\Y 3°\\$42'31 0°\\$ 23°\\$515'40 29°\\$58'27 29°\\$23'26 27°\\$39'08 22°\\$24'57 21°\\$09'08 21°\\$16'20 15°\\$09'23 13°\\$43'11 17°\\$55'39 27°\\$47'02 0°\\$\\$1 25°\\$143'18 0°\\$ 12°\\$22'13 20°\\$49'23 21°\\$11'20 0°\\$\\$0	1.39115 AU 24°25'11 0.68465 AU 2°17'49 2°16'30 19°56'04 1.44521 AU -2°06'45	evening rise  evening max el retrograde evening set asc. node min. Earth dist. inferior conj minimum elong  morning rise direct  morning max el desc. node greatest brilliancy  morning set max. Earth dist.	13467 Feb 13 01:45 13467 Feb 15 21:39 13467 Feb 16 19:53 13467 Feb 24 22:18 13467 Mar 17 20:47 13467 Mar 24 07:59 13467 Apr 05 17:58 13467 Apr 11 17:30 13467 Apr 16 00:14 13467 Apr 17 11:11 13467 Apr 17 09:11 13467 Apr 22 07:31 13467 Apr 23 01:25 13467 Apr 26 11:10 13467 Apr 30 20:36 13467 May 03 06:41 13467 May 14 23:53 13467 May 16 14:28 13467 May 26 06:14 13467 Jun 09 08:28	9°\text{\tex	25°39'42 0.67596 AU 1°39'03 1°37'52 18°58'26 -0.7m 1.45542 AU -2°13'19
desc. node max. Earth dist.  evening rise  evening max el retrograde asc. node evening set min. Earth dist. inferior conj minimum elong morning rise direct morning max el desc. node  morning set max. Earth dist.  superior conj minimum elong evening rise	13466 Mar 01 01:07 13466 Mar 02 19:17 13466 Mar 04 11:54 13466 Mar 06 15:24 13466 Mar 23 08:15 13466 Apr 10 18:34 13466 Apr 22 05:35 13466 Apr 25 01:01 13466 Apr 27 17:48 13466 May 02 07:29 13466 May 03 06:03 13466 May 03 03:55 13466 May 03 03:55 13466 May 02 00:15 13466 May 20 00:15 13466 May 20 00:15 13466 May 29 17:26 13466 Jun 15 23:56 13466 Jun 18 18:29 13466 Jul 01 22:20 13466 Jul 01 22:20 13466 Jul 01 22:20 13466 Jul 07 12:28 13466 Jul 07 12:28 13466 Jul 15 06:35	23°\\$51'45 27°\\$00'55 0°\\$ 3°\\$42'31 0°\\$ 23°\\$45'40 29°\\$58'27 29°\\$23'26 27°\\$39'08 22°\\$24'57 21°\\$09'08 21°\\$16'20 15°\\$09'23 13°\\$43'11 17°\\$55'39 27°\\$47'02 0°\\$\\$1 25°\\$143'18 0°\\$ 12°\\$22'13 20°\\$49'23 21°\\$11'20 0°\\$\\$1	1.39115 AU 24°25'11 0.68465 AU 2°17'49 2°16'30 19°56'04 1.44521 AU -2°06'45	evening rise  evening max el retrograde evening set asc. node min. Earth dist. inferior conj minimum elong  morning rise direct  morning max el desc. node greatest brilliancy  morning set max. Earth dist.	13467 Feb 13 01:45 13467 Feb 15 21:39 13467 Feb 16 19:53 13467 Feb 24 22:18 13467 Mar 17 20:47 13467 Mar 24 07:59 13467 Apr 05 17:58 13467 Apr 11 17:30 13467 Apr 16 00:14 13467 Apr 16 00:14 13467 Apr 17 11:11 13467 Apr 22 07:31 13467 Apr 23 01:25 13467 Apr 26 11:10 13467 Apr 30 20:36 13467 May 03 06:41 13467 May 14 23:53 13467 May 16 14:28 13467 May 26 06:14 13467 Jun 09 08:28	9°\t09'54 14°\t24'37 16°\t05'22 0°\tau 0°\tau 0°\tau 0°\tau 7°\tau 16'\tau 16'	25°39'42 0.67596 AU 1°39'03 1°37'52 18°58'26 -0.7m 1.45542 AU -2°13'19
desc. node max. Earth dist.  evening rise  evening max el retrograde asc. node evening set min. Earth dist. inferior conj minimum elong morning rise direct morning max el desc. node  morning set max. Earth dist. superior conj minimum elong	13466 Mar 01 01:07 13466 Mar 02 19:17 13466 Mar 04 11:54 13466 Mar 06 15:24 13466 Mar 23 08:15 13466 Apr 10 18:34 13466 Apr 22 05:35 13466 Apr 25 01:01 13466 Apr 27 17:48 13466 May 02 07:29 13466 May 03 06:03 13466 May 03 03:55 13466 May 03 03:55 13466 May 20 00:15 13466 May 20 00:15 13466 May 20 00:15 13466 May 29 17:26 13466 Jun 15 23:56 13466 Jun 18 18:29 13466 Jun 16 12:28 13466 Jul 01 22:20 13466 Jul 01 22:20 13466 Jul 01 22:20 13466 Jul 07 12:28 13466 Jul 15 06:35 13466 Jul 15 06:35 13466 Jul 21 23:56	23°\\$51'45 27°\\$00'55 0°\Y 3°\Y42'31 0°\\$ 23°\\$15'40 29°\\$58'27 29°\\$23'26 27°\\$39'08 22°\\$24'57 21°\\$09'08 21°\\$16'20 15°\\$09'23 13°\\$43'11 17°\\$55'39 27°\\$47'02 0°\\$\\$1 25°\\$143'18 0°\\$\\$12°\\$22'13 20°\\$49'23 21°\\$11'20 0°\\$\\$1 13°\\$\\$04'31 24°\\$\\$28'11	1.39115 AU 24°25'11 0.68465 AU 2°17'49 2°16'30 19°56'04 1.44521 AU -2°06'45	evening rise  evening max el retrograde evening set asc. node min. Earth dist. inferior conj minimum elong morning rise direct  morning max el desc. node greatest brilliancy morning set max. Earth dist. superior conj minimum elong	13467 Feb 13 01:45 13467 Feb 15 21:39 13467 Feb 16 19:53 13467 Feb 24 22:18 13467 Mar 17 20:47 13467 Mar 24 07:59 13467 Apr 05 17:58 13467 Apr 11 17:30 13467 Apr 16 00:14 13467 Apr 17 11:11 13467 Apr 17 09:11 13467 Apr 22 07:31 13467 Apr 23 01:25 13467 Apr 26 11:10 13467 Apr 30 20:36 13467 May 03 06:41 13467 May 14 23:53 13467 May 16 14:28 13467 May 26 06:14 13467 Jun 11 15:05 13467 Jun 11 15:05 13467 Jun 11 13:49 13467 Jun 11 12:13	9°\t09'54 14°\t24'37 16°\t05'22 0°\tau 0°\tau 0°\tau 7°\tau 07'22 14°\tau 16'44 11°\tau 11°\tau 18'42 11°\tau 18'22 5°\tau 18'22 5°\tau 28'\tau 21'27 0°\tau 2°\tau 20'\tau 10'\tau 11'13 0°\tau 0°\tau 11'13 0°\tau 11'13	25°39'42 0.67596 AU 1°39'03 1°37'52 18°58'26 -0.7m 1.45542 AU -2°13'19
desc. node max. Earth dist.  evening rise  evening max el retrograde asc. node evening set min. Earth dist. inferior conj minimum elong morning rise direct morning max el desc. node  morning set max. Earth dist.  superior conj minimum elong evening rise	13466 Mar 01 01:07 13466 Mar 02 19:17 13466 Mar 04 11:54 13466 Mar 06 15:24 13466 Mar 23 08:15 13466 Apr 10 18:34 13466 Apr 22 05:35 13466 Apr 25 01:01 13466 Apr 27 17:48 13466 May 02 07:29 13466 May 03 06:03 13466 May 03 03:55 13466 May 03 03:55 13466 May 02 00:15 13466 May 20 00:15 13466 May 20 00:15 13466 May 29 17:26 13466 Jun 15 23:56 13466 Jun 18 18:29 13466 Jul 01 22:20 13466 Jul 01 22:20 13466 Jul 01 22:20 13466 Jul 07 12:28 13466 Jul 07 12:28 13466 Jul 15 06:35	23°\\$51'45 27°\\$00'55 0°\\$ 3°\\$42'31 0°\\$ 23°\\$45'40 29°\\$58'27 29°\\$23'26 27°\\$39'08 22°\\$24'57 21°\\$09'08 21°\\$16'20 15°\\$09'23 13°\\$43'11 17°\\$55'39 27°\\$47'02 0°\\$\\$1 25°\\$143'18 0°\\$ 12°\\$22'13 20°\\$49'23 21°\\$11'20 0°\\$\\$1	1.39115 AU 24°25'11 0.68465 AU 2°17'49 2°16'30 19°56'04 1.44521 AU -2°06'45	evening rise  evening max el retrograde evening set asc. node min. Earth dist. inferior conj minimum elong  morning rise direct  morning max el desc. node greatest brilliancy  morning set max. Earth dist.	13467 Feb 13 01:45 13467 Feb 15 21:39 13467 Feb 16 19:53 13467 Feb 24 22:18 13467 Mar 17 20:47 13467 Mar 24 07:59 13467 Apr 05 17:58 13467 Apr 11 17:30 13467 Apr 16 00:14 13467 Apr 16 00:14 13467 Apr 17 11:11 13467 Apr 22 07:31 13467 Apr 23 01:25 13467 Apr 26 11:10 13467 Apr 30 20:36 13467 May 03 06:41 13467 May 14 23:53 13467 May 16 14:28 13467 May 26 06:14 13467 Jun 09 08:28	9°\t09'54 14°\t24'37 16°\t05'22 0°\tau 0°\tau 0°\tau 0°\tau 7°\tau 16'\tau 16'	25°39'42 0.67596 AU 1°39'03 1°37'52 18°58'26 -0.7m 1.45542 AU -2°13'19

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asc. node	13467 Jul 08 20:43	13° <b>Ω</b> 42'04		evening max el	13468 Jun 28 22:00		19°02'30
evening max el	13467 Jul 16 11:36	23° <b>Ω</b> 35'33	18°25'32	retrograde	13468 Jul 05 17:37	11° <b>Ω</b> 05'51	
retrograde	13467 Jul 22 21:47	27° <b>Ω</b> 02'08		evening set	13468 Jul 09 04:44	9° <b>£</b> 56′23	
evening set	13467 Jul 25 23:51	26° <b>Ω</b> 09'03		inferior conj	13468 Jul 14 16:21	4° <b>Ω</b> 10′21	3°01'07
inferior conj	13467 Jul 31 18:50	20° <b>Ω</b> 37'41	2°36'12	minimum elong	13468 Jul 14 17:46	4° <b>Ω</b> 05'48	3°00'01
minimum elong	13467 Jul 31 21:05	20° <b>Ω</b> 31′01	2°34'58	min. Earth dist.	13468 Jul 16 06:45	2° <b>Ω</b> 07'37	0.66562 AU
min. Earth dist.	13467 Aug 02 23:51	18° <b>Ω</b> 00'59	0.64871 AU		13468 Jul 18 01:08	30° <b>₹</b> 🥯	
morning rise	13467 Aug 06 17:03	14° <b>Ω</b> 16'31		morning rise	13468 Jul 20 06:07	27°9546'16	
desc. node	13467 Aug 10 22:28	11° <b>Ω</b> 56'39		direct	13468 Jul 26 10:56	25° <b>©</b> 06'34	
direct	13467 Aug 13 05:46	11° <b>Ω</b> 37'38		desc. node	13468 Jul 27 19:54	25°913'30	
morning max el	13467 Aug 26 19:04	19° <b>Ω</b> 34'43	27°17'03	desc. Hode	13468 Aug 05 08:31	0°Ω	
morning max cr	13467 Sep 04 16:27	0°m)	27 17 03	morning max el	13468 Aug 08 06:04	2° <b>Ω</b> 44'09	26°13'48
		0∘ <del>ت</del> ایان		morning max ci	-	0° <b>m</b> )	20 13 46
	13467 Sep 24 02:07				13468 Aug 28 21:37	-•	
morning set	13467 Oct 01 05:22	13° <b>Ω</b> 16'36		morning set	13468 Sep 13 05:06	26° Mp 03'11	
asc. node	13467 Oct 04 22:31	20° <b>≏</b> 41'18			13468 Sep 15 07:22	0∘ <b>⊽</b>	
max. Earth dist.	13467 Oct 05 16:17	22° <b>≏</b> 12'17	1.33217 AU	max. Earth dist.	13468 Sep 17 01:15	3° <b>≏</b> 21'46	1.34936 AU
	13467 Oct 09 09:39	$0^{\circ}$ M		asc. node	13468 Sep 20 19:05	10° <b>≏</b> 47'36	
superior conj	13467 Oct 09 12:30	0°M15'08	0°42'28	superior conj	13468 Sep 22 09:11	14° <b>≏</b> 01'35	0°14'57
minimum elong	13467 Oct 09 10:34	0° <b>IL</b> 04'52	0°42'32	minimum elong	13468 Sep 22 08:21	13° <b>≏</b> 57'19	0°14'56
evening rise	13467 Oct 16 14:47	15°M28'47		behind sun begin	13468 Sep 22 06:05	13° <b>≏</b> 45'44	
Ü	13467 Oct 23 19:21	0° <b>∡</b> 7		behind sun end	13468 Sep 22 10:36	14° <b>≏</b> 08'54	
desc. node	13467 Nov 06 18:41	20° <b>√</b> 16'06		evening rise	13468 Sep 29 23:30	29° <b>£</b> 50'50	
evening max el	13467 Nov 06 21:18	20°×722'31	22°14'39	evening rise	13468 Sep 30 01:16	0° <b>™</b>	
•			22 14 39		•	0° <b>⊼</b> 1	
retrograde	13467 Nov 19 15:24	26° <b>₹</b> 41'51			13468 Oct 17 23:27		20042104
evening set	13467 Nov 23 01:51	26° <b>₹</b> 15'50		evening max el	13468 Oct 18 17:34	0° <b>∡</b> ¹46'27	20°43'04
min. Earth dist.	13467 Dec 01 03:52	22° <b>∡</b> ³39'43	0.54647 AU	desc. node	13468 Oct 23 16:04	4° <b>∡</b> ³37'32	
inferior conj	13467 Dec 01 17:39	22° <b>∡</b> 20′21	-5°52'19	retrograde	13468 Oct 30 01:52	6° <b>≯</b> ′24'46	
minimum elong	13467 Dec 01 14:00	22° <b>∡</b> ¹25'29	5°51'02	evening set	13468 Nov 01 09:50	6° <b>∡</b> 11'33	
morning rise	13467 Dec 10 03:16	18° <b>∡</b> ³33′05		inferior conj	13468 Nov 10 09:14	2° <b>∡</b> 17'15	-4°58'57
direct	13467 Dec 13 12:34	18° <b>∡</b> ¹07'24		minimum elong	13468 Nov 09 23:28	2° <b>∡</b> ³31'15	4°55'46
morning max el	13467 Dec 25 12:31	23° <b>∡</b> 51'44	21°33'51	min. Earth dist.	13468 Nov 11 10:13	1° <b>∡</b> 741'24	0.54604 AU
Ü	13467 Dec 30 21:05	0°₹			13468 Nov 14 12:45	30°RM₊	
asc. node	13467 Dec 31 23:00	1° <b>る</b> 29'06		morning rise	13468 Nov 18 13:05	28°M21'20	
morning set	13468 Jan 14 22:28	26°₹50'41		direct	13468 Nov 22 20:48	27°M41'19	
morning set		20 <b>3</b> 041 0° <b>≈</b>		direct		27 IIC41 19 0° <b>⊼</b> ¹	
	13468 Jan 16 10:28	0°≈			13468 Nov 30 17:24		22010120
				morning max el	13468 Dec 06 01:42	4° <b>⋌</b> ¹05'49	23°19'29
superior conj	13468 Jan 22 03:20	12° <b>≈</b> 02'19	1°23'24	asc. node	13468 Dec 17 20:06	19° <b>∡</b> ¹23'45	
minimum elong	13468 Jan 22 05:34	12° <b>≈</b> 13'58	1°24'01		13468 Dec 23 17:55	0°ಕ	
max. Earth dist.	13468 Jan 26 12:55	21° <b>≈</b> 02'21	1.34878 AU	morning set	13468 Dec 29 10:07	11° <b>る</b> 36'45	
evening rise	13468 Jan 30 16:52	29° <b>≈</b> 09'18					
	13468 Jan 31 03:35	0° <b>∀</b>		superior conj	13469 Jan 05 07:41	26° <b>る</b> 31'58	1°33'57
desc. node	13468 Feb 02 18:16	4° <b>)</b> 50′20		minimum elong	13469 Jan 05 08:58	26° <b>る</b> 38'53	1°34'50
	13468 Feb 18 02:55	$0^{\circ}\mathbf{\Upsilon}$			13469 Jan 06 22:29	0° <b>≈</b>	
evening max el	13468 Mar 05 21:48	20° <b>Ƴ</b> 53'31	26°40'45	max. Earth dist.	13469 Jan 08 07:47	2° <b>≈</b> 56'23	1.33238 AU
retrograde	13468 Mar 19 00:52	28° <b>Y</b> 16'53		evening rise	13469 Jan 13 02:44	12° <b>≈</b> 44'46	
evening set	13468 Mar 25 10:40	25° <b>Υ</b> '44'52		desc. node	13469 Jan 19 14:57	25°≈04'12	
asc. node	13468 Mar 28 19:54	23 <b>Y</b> 44 32 22° <b>Y</b> 25'44		dese. Houc	13469 Jan 22 10:06	23 <b>≈</b> 04 12 0° <b>∀</b>	
			0.66214.411				
min. Earth dist.	13468 Mar 29 11:43	21° <b>Υ</b> '40'24	0.66314 AU		13469 Feb 12 06:31	0° <b>Υ</b>	27020150
inferior conj	13468 Mar 31 11:00	19° <b>Y</b> ′20′10	0°49'23	evening max el	13469 Feb 16 11:15	4° <b>Υ</b> 23'50	27°20'58
minimum elong	13468 Mar 31 09:46	19° <b>Y</b> ′23'51	0°48'40	retrograde	13469 Mar 02 01:24	11° <b>Y</b> ′50'53	
morning rise	13468 Apr 06 09:59	13° <b>Y</b> ′40′53		evening set	13469 Mar 08 19:13	9° <b>Ƴ</b> 20'41	
direct	13468 Apr 09 09:25	12° <b>Y</b> 51'40		min. Earth dist.	13469 Mar 12 15:50	5° <b>Ƴ</b> 48'26	0.64657 AU
morning max el	13468 Apr 15 19:25	16° <b>Ƴ</b> 15'09	18°17'16	inferior conj	13469 Mar 15 03:00	3° <b>Y</b> 08'34	-0°11'36
	13468 Apr 26 02:38	0° <b>႘</b>		minimum elong	13469 Mar 15 03:20	3° <b>Ƴ</b> 07'38	0°11'25
desc. node	13468 Apr 30 20:35	7° <b>8</b> 27'06		transit middle	13469 Mar 15 03:20	3° <b>Y</b> 07'38	0°11'25
morning set	13468 May 05 11:14	14° <b>8</b> 48'07		transit begin	13469 Mar 15 01:11	3° <b>Υ</b> 13'28	
Ü	13468 May 15 01:08	0°II		transit end	13469 Mar 15 05:29	3° <b>Y</b> 01'48	
				asc. node	13469 Mar 15 17:22	2° <b>Υ</b> 29'47	
superior conj	13468 May 20 22:47	9° <b>Ⅱ</b> 15'34	-1°59'42	200. 11000	13469 Mar 18 05:28	30°R <b></b> ₩	
	15700 IVIAY 20 22.41			morning rise		30 KA 27° <b>¥</b> 42'53	
minimum elong	13/60 May 20 14:40		∠ UU U /	morning rise	13469 Mar 21 13:19	ZI <b>八</b> 42つ3	
	13468 May 20 14:49	8° <b>∏</b> 44'25		J: 4	1246034 24 02 45	2701/07/40	
max. Earth dist.	13468 May 22 04:13	11° <b>Ⅱ</b> 10′30	1.45839 AU	direct	13469 Mar 24 03:45	27° <b>)</b> €07'48	
	13468 May 22 04:13 13468 Jun 03 05:58	11°∏10′30 0°©			13469 Mar 30 01:35	$0^{\circ}$ Y	
evening rise	13468 May 22 04:13 13468 Jun 03 05:58 13468 Jun 05 22:40	11°∏10′30 0°© 4°©12′31	1.45839 AU	morning max el	13469 Mar 30 01:35 13469 Mar 30 12:10	0°Υ 0°Υ25'03	17°53'10
	13468 May 22 04:13 13468 Jun 03 05:58 13468 Jun 05 22:40 13468 Jun 16 13:35	11° <b>I</b> 10'30 0°© 4°©12'31 20°©41'48		morning max el morning set	13469 Mar 30 01:35 13469 Mar 30 12:10 13469 Apr 16 20:44	0° <b>Υ</b> 0° <b>Υ</b> 25'03 26° <b>Υ</b> 18'46	17°53'10
evening rise	13468 May 22 04:13 13468 Jun 03 05:58 13468 Jun 05 22:40	11°¶10'30 0°ஒ 4°912'31	1.45839 AU	morning max el	13469 Mar 30 01:35 13469 Mar 30 12:10	0°Υ 0°Υ25'03 26°Υ18'46 27°Υ44'05	17°53'10
evening rise	13468 May 22 04:13 13468 Jun 03 05:58 13468 Jun 05 22:40 13468 Jun 16 13:35	11° <b>I</b> 10'30 0°© 4°©12'31 20°©41'48	1.45839 AU	morning max el morning set	13469 Mar 30 01:35 13469 Mar 30 12:10 13469 Apr 16 20:44	0° <b>Υ</b> 0° <b>Υ</b> 25'03 26° <b>Υ</b> 18'46	17°53'10

superior conj minimum elong max. Earth dist.	13469 Apr 30 15:12 13469 Apr 30 06:32 13469 May 05 00:32 13469 May 07 17:08	18°849'40 18°815'05 25°846'53 0°II		max. Earth dist.	13470 Apr 11 13:17 13470 Apr 17 18:09 13470 Apr 26 01:31 13470 Apr 30 12:53	0°8 10°806'48 23°809'52 0°耳	1.44236 AU
evening rise	13469 May 16 13:23	13° <b>∏</b> 40′29			13470 May 21 17:09	0. 0	
Č	13469 May 27 08:05	0ಂಣ		evening max el	13470 May 26 02:27	4°956'34	21°01'53
greatest brilliancy	13469 May 31 07:18	5° <b>©</b> 50'40	-0.6m	asc. node	13470 May 29 11:44	7° <b>9</b> 53'48	
asc. node	13469 Jun 11 14:38	20° <b>©</b> 35'56		retrograde	13470 Jun 03 15:01	9° <b>©</b> 54'04	
evening max el	13469 Jun 12 03:13	21°508'07	19°55'22	evening set	13470 Jun 07 21:57	8°5511'08	2010115
retrograde evening set	13469 Jun 19 16:07 13469 Jun 23 12:48	25° <b>©</b> 25'13 23° <b>©</b> 58'52		inferior conj minimum elong	13470 Jun 13 03:55 13470 Jun 13 03:18	1°959'57 2°902'03	3°10'15 3°09'11
inferior conj	13469 Jun 28 20:12	17° <b>©</b> 59'25	3°11'45	min. Earth dist.	13470 Jun 13 14:15	1° <b>©</b> 24'01	0.68609 AU
minimum elong	13469 Jun 28 20:36	17°958'06	3°10'43	mm. Burm Gige.	13470 Jun 14 14:45	30°R∏	0.00007110
min. Earth dist.	13469 Jun 29 20:12	16° <b>©</b> 38'27	0.67819 AU	morning rise	13470 Jun 18 08:26	25° <b>Ⅱ</b> 41'33	
morning rise	13469 Jul 04 04:03	11° <b>5</b> 36'49		direct	13470 Jun 23 14:07	23° <b>Ⅲ</b> 24′05	
direct	13469 Jul 09 22:04	9° <b>©</b> 05'00		desc. node	13470 Jul 01 14:26	27° <b>Ⅱ</b> 18'34	
desc. node	13469 Jul 14 17:13	10°529'58		morning max el	13470 Jul 04 03:09		23°23'33
morning max el	13469 Jul 21 16:36	16°508'19	24°52'42		13470 Jul 04 10:39	$0$ ಂ ${f v}$	
	13469 Aug 02 03:41 13469 Aug 21 20:04	0° <b>Ω</b> 0° <b>™</b>		morning set	13470 Jul 26 22:35 13470 Aug 07 22:05	0° <b>λ</b> ℓ 19° <b>Ω</b> 07'24	
morning set	13469 Aug 26 12:12	8° Mp 03'46		max. Earth dist.	13470 Aug 11 23:47	26°Ω04'12	1.39398 AU
max. Earth dist.	13469 Aug 30 02:01	14° mp 30'09	1.37063 AU		13470 Aug 14 05:32	0° m)	
	Č	•			C	•	
superior conj	13469 Sep 05 19:37	27° <b>m</b> 16'52		superior conj	13470 Aug 19 16:02	9° <b>™</b> 52'06	
minimum elong	13469 Sep 05 20:44	27° m/22'20	0°17'00	minimum elong	13470 Aug 19 19:49	10° <b>m</b> 09'39	0°51'37
,	13469 Sep 07 04:46	0° <b>⊽</b>		asc. node	13470 Aug 25 12:14	20° m 56'33	
asc. node	13469 Sep 07 15:39	0° <b>£</b> 53'54 13° <b>£</b> 58'56		evening rise	13470 Aug 29 00:49	27° <b>™</b> 45'33 0° <b>⊆</b>	
evening rise	13469 Sep 14 03:48 13469 Sep 22 13:31	0°M		evening max el	13470 Aug 30 04:40 13470 Sep 14 03:05	23° <b>£</b> 52'49	18°41'08
evening max el	13469 Oct 01 03:52	11°M 55'33	19°31'08	retrograde	13470 Sep 14 03:03	28° <b>⊆</b> 01'06	10 41 00
retrograde	13469 Oct 10 20:33	16°M46'20	17 31 00	evening set	13470 Sep 24 06:28	27° <b>≏</b> 48'18	
desc. node	13469 Oct 10 13:30	16° <b>™</b> 46′05		desc. node	13470 Sep 27 10:59	26° <b>≏</b> 36'11	
evening set	13469 Oct 12 17:32	16°M36'16		inferior conj	13470 Oct 02 07:33	23° <b>≏</b> 23'51	-1°32'28
inferior conj	13469 Oct 21 10:37	12°M30'27	-3°21'45	minimum elong	13470 Oct 02 03:46	23° <b>≏</b> 30'54	1°30'37
minimum elong	13469 Oct 21 02:06	12°M44'05	3°18'07	min. Earth dist.	13470 Oct 05 10:48	21° <b>≏</b> 04'31	0.57120 AU
min. Earth dist.	13469 Oct 23 19:38	10° <b>™</b> 59'27	0.55481 AU	morning rise	13470 Oct 09 21:38	18° <b>≏</b> 21'58	
morning rise	13469 Oct 29 08:39	8°M06'09		direct	13470 Oct 15 19:23	16° <b>≏</b> 56'06	
direct morning max el	13469 Nov 03 12:55 13469 Nov 17 11:34	7°M06'09 14°M05'05	25907!10	morning max el	13470 Oct 30 01:52	24° <b>£</b> 22'56 0° <b>I</b> L	26°38'14
morning max er	13469 Nov 29 23:16	0° <b>√</b>	23 07 10	asc. node	13470 Nov 04 05:37 13470 Nov 21 13:59	27°M10'42	
asc. node	13469 Dec 04 17:06	8° <b>×</b> 701'18		ase. Hode	13470 Nov 23 00:54	0°×7	
morning set	13469 Dec 13 21:53	26° <b>∡</b> 19'40		morning set	13470 Nov 28 08:07	10° <b>∡</b> 754'48	
S	13469 Dec 15 14:34	ರ°0		S			
				superior conj	13470 Dec 05 03:38	25° <b>₹</b> ′55'31	1°36'14
superior conj	13469 Dec 20 16:29	11° <b>る</b> 11'44		minimum elong	13470 Dec 05 02:46	25° <b>∡</b> 50′42	1°37'13
minimum elong	13469 Dec 20 16:40	11° <b>ろ</b> 12'45	1°39'09	max. Earth dist.	13470 Dec 05 16:48	27° <b>∡</b> 08'54	1.31370 AU
max. Earth dist.	13469 Dec 22 09:53	14°る59'00 26°る43'44	1.32057 AU		13470 Dec 06 23:34	0°る	
evening rise	13469 Dec 27 22:19 13469 Dec 29 12:52	20° <b>⇔</b> 43°44		evening rise	13470 Dec 12 00:58 13470 Dec 21 18:10	10°る59'49 0°≈	
desc. node	13470 Jan 06 11:43	0 <b>∞</b> 15° <b>≈</b> 00'11		desc. node	13470 Dec 24 08:34	0 <b>~</b> 4° <b>≈</b> 31'06	
dese. node	13470 Jan 15 18:31	0° <b>∀</b>		evening max el	13471 Jan 12 04:42	29° <b>≈</b> 44'50	27°13'07
evening max el	13470 Jan 29 22:18	17° <b>¥</b> 24'46	27°33'29	S	13471 Jan 12 11:09	0° <b>∀</b>	
retrograde	13470 Feb 12 18:42	24° <b>)</b> 48′32		retrograde	13471 Jan 26 03:52	7° <b>∺</b> 00'45	
evening set	13470 Feb 19 16:35	22° <b>)</b> €27'23		evening set	13471 Feb 01 23:37	4° <b>)</b> 57′03	
min. Earth dist.	13470 Feb 23 10:38	19° <b>¥</b> 23′02		min. Earth dist.	13471 Feb 05 19:12	2° <b>)</b> 12'38	0.60547 AU
inferior conj	13470 Feb 26 08:09	16° <b>)</b> ₹35'08			13471 Feb 08 09:46	30°R≈	2044/22
minimum elong	13470 Feb 26 10:57	16° <b>¥</b> 28'19 12° <b>¥</b> 52'33	1~22.12	inferior conj	13471 Feb 08 23:04	29°≈31'29	
asc. node morning rise	13470 Mar 02 14:52 13470 Mar 05 07:59	11°\(\frac{1}{25}\)'556		minimum elong morning rise	13471 Feb 09 04:58 13471 Feb 16 13:27	29°≈18'54 24°≈41'31	2 41 41
direct	13470 Mar 07 15:00	11° <b>X</b> 23'30		asc. node	13471 Feb 10 13.27 13471 Feb 17 12:17	24°≈29'18	
morning max el	13470 Mar 14 05:53	14° <b>)</b> 23'37	17°46'31	direct	13471 Feb 18 15:26	24°≈24'06	
<b>5</b>	13470 Mar 25 02:33	0° <b>Υ</b>		morning max el	13471 Feb 25 21:14	28° <b>≈</b> 01'36	17°58'09
morning set	13470 Mar 30 06:43	8° <b>Y</b> 58'47		-	13471 Feb 27 16:53	0° <b>)</b> €	
desc. node	13470 Apr 04 13:46	18° <b>Ƴ</b> 11'22		morning set	13471 Mar 13 11:02	22° <b>∺</b> 29'38	
					13471 Mar 17 13:21	0° <b>Υ</b>	
superior conj minimum elong	13470 Apr 11 04:46 13470 Apr 10 23:49	29° <b>Y</b> 24'41 29° <b>Y</b> '04'03		desc. node	13471 Mar 22 10:16	8° <b>Ƴ</b> 45'04	

aumorior coni	12471 Mar 22 19:29	11° <b>Y</b> ′06'39	0010120		12472 Eab 21 17:06	0° <b>\</b>	
superior conj minimum elong	13471 Mar 23 18:28 13471 Mar 23 17:33	11° <b>Y</b> 00'39		marning sat	13472 Feb 21 17:06 13472 Feb 25 04:14	6° <b>∺</b> 35'01	
	13471 Mar 23 17:33 13471 Mar 23 11:28	11° <b>Y</b> 02′39 10° <b>Y</b> ′35′59	0-1035	morning set	134/2 Feb 25 04:14	0°π35'01	
behind sun begin behind sun end	13471 Mar 23 23:38	10 <b>γ</b> 33 39 11° <b>γ</b> 29'16		superior conj	13472 Mar 05 05:23	23° <b>)</b> 46′36	0°24'27
max. Earth dist.	13471 Mar 23 23:38 13471 Mar 31 07:12	23° <b>Y</b> 55'26	1.42516 AU	minimum elong	13472 Mar 05 03:23	23° <b>H</b> 54'19	
max. Earm dist.	13471 Mai 31 07.12 13471 Apr 04 00:37	0° <b>8</b>	1.42310 AU	desc. node	13472 Mar 08 06:45	23 <b>X</b> 34 19 29° <b>X</b> 21'17	0 24 23
evening rise	13471 Apr 04 00:57	3° <b>8</b> 16'50		desc. node	13472 Mar 08 05.43	29 <b>Λ</b> 2117 0° <b>Υ</b>	
evening rise	13471 Apr 00 01:33	0°Ⅱ		max. Earth dist.	13472 Mar 12 15:53	7° <b>Υ</b> 04'41	1.40414 AU
evening max el	13471 May 08 20:34		22°18'20	evening rise	13472 Mar 16 22:20	14° <b>Υ</b> 18'12	1.40414 AU
asc. node	13471 May 08 20:54 13471 May 16 08:56	24° <b>I</b> 106'02	22 18 20	evening rise	13472 Mar 16 22:20	0°8	
retrograde	13471 May 18 12:38	24° <b>I</b> 100'02			13472 Mai 20 19:24 13472 Apr 17 23:31	0°II	
evening set	13471 May 18 12:38	22° <b>II</b> 28'52		evening max el	13472 Apr 17 23:31 13472 Apr 20 11:28	2° <b>Ⅱ</b> 37'34	23°39'18
inferior conj	13471 May 28 13:22	16° <b>I</b> 08'03	2°57'57	retrograde	13472 May 01 07:25	2 <b>П</b> 57 34 8° <b>П</b> 59'47	23 37 10
minimum elong	13471 May 28 11:56	16° <b>Ⅱ</b> 13'04	2°56'46	asc. node	13472 May 02 06:13	8° <b>П</b> 55'42	
min. Earth dist.	13471 May 28 10:42	16° <b>Ⅱ</b> 17'21	0.68921 AU	evening set	13472 May 06 12:52	6° <b>Ц</b> 47'32	
morning rise	13471 Jun 02 17:13	9° <b>П</b> 55'47	0.00721710	inferior conj	13472 May 11 22:40	0° <b>I</b> I20'01	2°35'26
direct	13471 Jun 07 10:09	7° <b>II</b> 56'50		minimum elong	13472 May 11 20:41	0° <b>П</b> 26'51	2°34'08
morning max el	13471 Jun 16 16:10	13° <b>Ⅲ</b> 21'27	21°55'31	min. Earth dist.	13472 May 11 07:23	1° <b>Ⅱ</b> 12'24	0.68763 AU
desc. node	13471 Jun 18 11:33	15° <b>I</b> I15'32	21 3331	mm. Luttii dist.	13472 May 12 04:31	30°R <b>8</b>	0.00703710
desc. Hode	13471 Jun 29 23:35	0°95		morning rise	13472 May 17 04:28	24° <b>8</b> 15'16	
morning set	13471 Jul 19 07:06	29° <b>©</b> 05'28		direct	13472 May 21 08:48	22° <b>8</b> 36'53	
morning sec	13471 Jul 19 20:43	0°Ω		morning max el	13472 May 29 10:47	27° <b>8</b> 12'39	20°35'59
max. Earth dist.	13471 Jul 25 00:47		1.41683 AU	morning max cr	13472 Jun 01 01:05	0°Ⅱ	20 33 37
max. Lartii tist.	13471 Jul 23 00.47	0 002031	1.41003710	desc. node	13472 Jun 04 08:31	4° <b>∏</b> 02'28	
superior conj	13471 Aug 01 18:03	21° <b>Ω</b> 37'37	-1°26'11	desc. node	13472 Jun 22 10:48	0°99	
minimum elong	13471 Aug 02 00:27	22°Ω05'42		morning set	13472 Jun 27 17:25	8° <b>©</b> 05'25	
minimum ciong	13471 Aug 06 10:41	0° m)	1 2001	max. Earth dist.	13472 Jul 06 08:44	21°9643'24	1.43639 AU
evening rise	13471 Aug 12 10:56	11° <b>m</b> )01'21		max. Earth dist.	13472 Jul 11 10:35	0° <b>Ω</b>	1.13037110
asc. node	13471 Aug 12 08:49	10° mp 51'38			151/2001 11 10.55	V 00	
use. Houe	13471 Aug 23 08:17	0∘ <del>⊽</del>		superior conj	13472 Jul 12 21:40	2° <b>Ω</b> 25'24	-1°55'10
evening max el	13471 Aug 28 11:22	ა <b>_</b> 6° <b>ჲ</b> 30'13	18°12'07	minimum elong	13472 Jul 13 04:42		1°55'31
retrograde	13471 Sep 04 14:55	10° <b>亞</b> 08'16	10 1207	evening rise	13472 Jul 25 05:34	23° <b>Ω</b> 35′26	1 33 31
evening set	13471 Sep 06 19:37	9° <b>£</b> 48'16		e vennig 1150	13472 Jul 28 21:22	0° m)	
inferior conj	13471 Sep 14 02:10	5° <b>ഫ</b> 03'01	0°04'55	asc. node	13472 Jul 29 05:29	0° mp 35'20	
minimum elong	13471 Sep 14 02:20	5° <b>₾</b> 02'39	0°04'50	evening max el	13472 Aug 11 00:36	19° <b>m</b> ) 38'05	18°02'46
transit middle	13471 Sep 14 02:20	5° <b>₾</b> 02'39	0°04'50	retrograde	13472 Aug 17 13:28	23° Mp 00'36	10 02 10
transit begin	13471 Sep 13 23:04	5° <b>Ω</b> 09'44		evening set	13472 Aug 20 02:15	22° m/29'43	
transit end	13471 Sep 14 05:36	4° <b>♀</b> 55'32		inferior conj	13472 Aug 26 16:09	17° <b>m</b> ) 24'39	1°20'36
desc. node	13471 Sep 14 08:31	4° <b>Ω</b> 49'11		minimum elong	13472 Aug 26 18:16	17° <b>m</b> ) 19'21	1°19'33
min. Earth dist.	13471 Sep 17 09:25	2° <b>₽</b> 12'01	0.59251 AU	min. Earth dist.	13472 Aug 29 17:01		0.61547 AU
	13471 Sep 20 08:09	30°R, M)		desc. node	13472 Aug 31 06:03	12° m 59'42	
morning rise	13471 Sep 21 05:38	29° m/26'53		morning rise	13472 Sep 02 07:42	11° m) 23'26	
direct	13471 Sep 27 15:48	27° m/33'15		direct	13472 Sep 08 23:36	9° <b>m</b> 06'01	
	13471 Oct 05 08:04	0∘ <u>⊽</u>		morning max el	13472 Sep 23 04:05	17° <b>m</b> 04'04	27°58'31
morning max el	13471 Oct 11 23:31	5° <b>₽</b> 19'53	27°37'40		13472 Oct 03 21:47	0° <del>ح</del>	
-	13471 Oct 30 07:21	0°M			13472 Oct 22 00:25	0° <b>M</b> .	
asc. node	13471 Nov 08 10:46	16°M42'30		asc. node	13472 Oct 25 07:29	6°ML30'28	
morning set	13471 Nov 12 14:58	25°M16'10		morning set	13472 Oct 26 16:32	9°M19'23	
	13471 Nov 14 19:57	0° <b>∡</b> ¹		max. Earth dist.	13472 Nov 01 07:12	21°ML17'37	1.31566 AU
max. Earth dist.	13471 Nov 19 01:06	9° <b>∡</b> 17'49	1.31200 AU				
				superior conj	13472 Nov 03 01:20	25°ML09'31	1°15'03
superior conj	13471 Nov 19 15:11	10° <b>∡</b> ³36'24	1°28'31	minimum elong	13472 Nov 02 23:07	24°M57'19	1°15'33
minimum elong	13471 Nov 19 13:29	10° <b>∡</b> ¹26'52	1°29'18		13472 Nov 05 05:46	0° <b>∡</b> ¹	
evening rise	13471 Nov 26 08:22	25° <b>∡</b> ¹26′03		evening rise	12472 N 00 10-26	9° <b>х</b> 57'43	
	134/11101 20 00.22	23 7 20 03		e vennig rise	13472 Nov 09 18:36	7 7 3173	
desc. node	13471 Nov 28 12:07	0°る		evening rise	13472 Nov 19 18:36 13472 Nov 19 21:07	ნ°0	
				desc. node			
	13471 Nov 28 12:07	8°0			13472 Nov 19 21:07	ნ°0	24°53'39
evening max el	13471 Nov 28 12:07 13471 Dec 11 05:32	0°ප 23°ප26'09 0°≈	26°18'16	desc. node	13472 Nov 19 21:07 13472 Nov 27 02:38	0°ಕ 11°ಕ31'56	24°53'39
evening max el retrograde	13471 Nov 28 12:07 13471 Dec 11 05:32 13471 Dec 15 15:16	0°ප 23°ප26'09 0°≈	26°18'16	desc. node evening max el	13472 Nov 19 21:07 13472 Nov 27 02:38 13472 Dec 05 19:01	0°පි 11°පි31'56 21°පි52'29	24°53'39
•	13471 Nov 28 12:07 13471 Dec 11 05:32 13471 Dec 15 15:16 13471 Dec 25 04:00	0°궁 23°♂26'09 0°≈ 11°≈14'16	26°18'16	desc. node evening max el retrograde	13472 Nov 19 21:07 13472 Nov 27 02:38 13472 Dec 05 19:01 13472 Dec 19 13:41	0°る 11°る31'56 21°る52'29 28°る45'59	24°53'39 0.56474 AU
retrograde	13471 Nov 28 12:07 13471 Dec 11 05:32 13471 Dec 15 15:16 13471 Dec 25 04:00 13472 Jan 08 02:56	0°පි 23°පි26'09 0°≈ 11°≈14'16 18°≈19'44	26°18'16 0.58389 AU	desc. node evening max el retrograde evening set	13472 Nov 19 21:07 13472 Nov 27 02:38 13472 Dec 05 19:01 13472 Dec 19 13:41 13472 Dec 25 02:40	0°ප 11°ප31'56 21°ප52'29 28°ප45'59 27°ප37'39	0.56474 AU
retrograde evening set	13471 Nov 28 12:07 13471 Dec 11 05:32 13471 Dec 15 15:16 13471 Dec 25 04:00 13472 Jan 08 02:56 13472 Jan 14 12:22	0° <b>ට</b> 23° <b>ට</b> 26'09 0°≈ 11°≈14'16 18°≈19'44 16°≈41'24	0.58389 AU	desc. node evening max el retrograde evening set min. Earth dist.	13472 Nov 19 21:07 13472 Nov 27 02:38 13472 Dec 05 19:01 13472 Dec 19 13:41 13472 Dec 25 02:40 13472 Dec 30 06:55	0°ප 11°ප31'56 21°ප52'29 28°ප45'59 27°ප37'39 24°ප52'58	0.56474 AU -5°18'50
retrograde evening set min. Earth dist.	13471 Nov 28 12:07 13471 Dec 11 05:32 13471 Dec 15 15:16 13471 Dec 25 04:00 13472 Jan 08 02:56 13472 Jan 14 12:22 13472 Jan 18 17:32	0°♂ 23°♂26'09 0°≈ 11°≈14'16 18°≈19'44 16°≈41'24 14°≈04'54	0.58389 AU -4°07'37	desc. node evening max el retrograde evening set min. Earth dist. inferior conj	13472 Nov 19 21:07 13472 Nov 27 02:38 13472 Dec 05 19:01 13472 Dec 19 13:41 13472 Dec 25 02:40 13472 Dec 30 06:55 13473 Jan 01 20:37	0°පි 11°පි31'56 21°පි52'29 28°පි45'59 27°පි37'39 24°පි52'58 23°පි13'58	0.56474 AU -5°18'50
retrograde evening set min. Earth dist. inferior conj	13471 Nov 28 12:07 13471 Dec 11 05:32 13471 Dec 15 15:16 13471 Dec 25 04:00 13472 Jan 08 02:56 13472 Jan 14 12:22 13472 Jan 18 17:32 13472 Jan 21 20:07	0°♂ 23°♂26'09 0°≈ 11°≈14'16 18°≈19'44 16°≈41'24 14°≈04'54 11°≈47'16	0.58389 AU -4°07'37	desc. node evening max el retrograde evening set min. Earth dist. inferior conj minimum elong	13472 Nov 19 21:07 13472 Nov 27 02:38 13472 Dec 05 19:01 13472 Dec 19 13:41 13472 Dec 25 02:40 13472 Dec 30 06:55 13473 Jan 01 20:37 13473 Jan 02 04:31	0°ප 11°ප31'56 21°ප52'29 28°ප45'59 27°ප37'39 24°ප52'58 23°ප13'58 23°ප01'15	0.56474 AU -5°18'50
retrograde evening set min. Earth dist. inferior conj minimum elong	13471 Nov 28 12:07 13471 Dec 11 05:32 13471 Dec 15 15:16 13471 Dec 25 04:00 13472 Jan 08 02:56 13472 Jan 14 12:22 13472 Jan 18 17:32 13472 Jan 21 20:07 13472 Jan 22 04:35	0°♂ 23°♂26'09 0°≈ 11°≈14'16 18°≈19'44 16°≈41'24 14°≈04'54 11°≈47'16 11°≈31'35	0.58389 AU -4°07'37	desc. node evening max el retrograde evening set min. Earth dist. inferior conj minimum elong morning rise	13472 Nov 19 21:07 13472 Nov 27 02:38 13472 Dec 05 19:01 13472 Dec 19 13:41 13472 Dec 25 02:40 13472 Dec 30 06:55 13473 Jan 01 20:37 13473 Jan 02 04:31 13473 Jan 10 08:34	0°ප 11°ප31'56 21°ප52'29 28°ප45'59 27°ප37'39 24°ප52'58 23°ප13'58 23°ප01'15 19°ප06'56	0.56474 AU -5°18'50
retrograde evening set min. Earth dist. inferior conj minimum elong morning rise	13471 Nov 28 12:07 13471 Dec 11 05:32 13471 Dec 15 15:16 13471 Dec 25 04:00 13472 Jan 08 02:56 13472 Jan 14 12:22 13472 Jan 18 17:32 13472 Jan 21 20:07 13472 Jan 22 04:35 13472 Jan 29 23:46	0°♂ 23°♂26'09 0°≈ 11°≈14'16 18°≈19'44 16°≈41'24 14°≈04'54 11°≈47'16 11°≈31'35 7°≈18'36 7°≈04'30 7°≈44'54	0.58389 AU -4°07'37	desc. node evening max el retrograde evening set min. Earth dist. inferior conj minimum elong morning rise direct	13472 Nov 19 21:07 13472 Nov 27 02:38 13472 Dec 05 19:01 13472 Dec 19 13:41 13472 Dec 25 02:40 13472 Dec 30 06:55 13473 Jan 01 20:37 13473 Jan 02 04:31 13473 Jan 10 08:34 13473 Jan 12 15:37	0°ට 11°ට 21°ට 28°ට 28°ට 27°ට 37'39 24°ට 52'58 23°ට 13'58 23°ට 115 19°ට 60'56 18°ට 52'12	0.56474 AU -5°18'50

morning set	13473 Feb 08 06:11 13473 Feb 12 17:27	21°≈02'33 0° <b>米</b>		morning max el asc. node	13474 Jan 04 14:22 13474 Jan 08 04:16	4°号59'40 8°号56'15	20°40'09
					13474 Jan 20 18:21	0° <b>≈</b>	
superior conj	13473 Feb 16 08:58	7° <b>)</b> 11′50	0°52'56	morning set	13474 Jan 23 13:45	5° <b>≈</b> 43'06	
minimum elong	13473 Feb 16 11:40	7° <b>∺</b> 24'58	0°53'02				
max. Earth dist.	13473 Feb 22 22:27	19° <b>)</b> 34′40	1.38158 AU	superior conj	13474 Jan 31 00:57		1°14'18
desc. node	13473 Feb 23 03:15	19° <b>¥</b> 56'30		minimum elong	13474 Jan 31 03:34	21° <b>≈</b> 23'53	1°14'42
evening rise	13473 Feb 26 15:47	26° <b>)</b> 13′21			13474 Feb 04 10:58	0° <b>∀</b>	
	13473 Feb 28 20:15	0° <b>Υ</b>		max. Earth dist.	13474 Feb 05 06:45	1° <b>¥</b> 36′03	1.35990 AU
	13473 Mar 20 08:49	0° <b>8</b>		evening rise	13474 Feb 09 03:44	8° <b>¥</b> 55′08	
evening max el	13473 Apr 03 01:07	16° <b>8</b> 30'41	24°58'07	desc. node	13474 Feb 09 23:49	10° <b>)</b> €27'11	
retrograde	13473 Apr 14 22:18	23° <b>8</b> 25'26			13474 Feb 21 12:26	0° <b>Υ</b>	
asc. node	13473 Apr 19 03:35	22° <b>8</b> 08'24		. 1	13474 Mar 16 05:59	0°8	26007141
evening set min. Earth dist.	13473 Apr 20 15:28 13473 Apr 25 02:05	21° <b>8</b> 02'01 16° <b>8</b> 03'06	0.68152 AU	evening max el	13474 Mar 16 14:40 13474 Mar 29 08:23	0° <b>と</b> 21'21 7° <b>と</b> 37'58	26°07'41
inferior conj	13473 Apr 26 05:54	14° <b>8</b> 31'32	2°02'41	retrograde evening set	13474 Mai 29 08.23 13474 Apr 04 12:39	5° <b>8</b> 07'18	
minimum elong	13473 Apr 26 03:45	14° <b>8</b> 38'38	2°01'24	asc. node	13474 Apr 04 12.39 13474 Apr 06 01:01	3° <b>8</b> 43'38	
morning rise	13473 May 01 16:18	8° <b>\(\beta\)</b> 35'39	2 01 24	min. Earth dist.	13474 Apr 08 16:45	0° <b>8</b> 43'39	0.67104 AU
direct	13473 May 05 08:38	7° <b>8</b> 17'52		mm. Lattii dist.	13474 Apr 09 06:57	30°RΥ	0.07104 AC
morning max el	13473 May 12 12:57	11° <b>8</b> 15'14	19°29'36	inferior conj	13474 Apr 10 09:04	28° <b>Y</b> 38'45	1°19'22
desc. node	13473 May 22 05:23	23° <b>8</b> 25'28	1, 2, 50	minimum elong	13474 Apr 10 07:18	28° <b>Y</b> '44'15	1°18'21
greatest brilliancy	13473 May 25 04:28	27° <b>8</b> 43'08	-0.7m	morning rise	13474 Apr 16 02:43	22°Υ′53'07	1 10 21
8	13473 May 26 17:29	0°II	****	direct	13474 Apr 19 07:58	21° <b>Y</b> ′54'20	
morning set	13473 Jun 06 18:54	16° <b>Ⅱ</b> 46'44		morning max el	13474 Apr 25 22:25	25° <b>Y</b> ′26'29	18°38'56
Ü	13473 Jun 15 07:43	0∘ <b>ௐ</b>		C	13474 Apr 29 22:04	0° <b>႘</b>	
max. Earth dist.	13473 Jun 18 23:18	5° <b>©</b> 43'42	1.45045 AU	desc. node	13474 May 09 02:08	13° <b>8</b> 15'07	
				morning set	13474 May 17 09:18	26° <b>8</b> 10'27	
superior conj	13473 Jun 23 01:36	12° <b>©</b> 13'36	-2°11'52		13474 May 19 19:58	$\Pi^{\circ}$	
minimum elong	13473 Jun 23 04:40	12° <b>5</b> 25'49	2°12'51	max. Earth dist.	13474 Jun 01 17:55	20° <b>Ⅲ</b> 10′07	1.45765 AU
	13473 Jul 03 23:50	$0^{\circ}\Omega$					
evening rise	13473 Jul 07 03:34	5° <b>Ω</b> 14'49		superior conj	13474 Jun 02 12:31	21° <b>Ⅲ</b> 22'46	-2°09'59
asc. node	13473 Jul 16 02:13	20° <b>Ω</b> 01'50		minimum elong	13474 Jun 02 07:56	21° <b>Ⅱ</b> 04'50	2°10'51
	13473 Jul 22 21:24	0° <b>™</b>			13474 Jun 08 00:34	$0$ $\circ$ $\odot$	
evening max el	13473 Jul 25 14:59	3°m/05'53	18°12'02	evening rise	13474 Jun 18 01:17	15° <b>©</b> 52'51	
retrograde	13473 Jul 31 23:28	6° Mp 27′13		greatest brilliancy	13474 Jun 25 10:23	27° <b>©</b> 37'28	-0.9m
evening set	13473 Aug 03 20:37	5° TQ 42'44			13474 Jun 26 22:38	$0^{\circ}\Omega$	
inferior conj	13473 Aug 09 21:24	0° To 20'08	2°14'13	asc. node	13474 Jul 02 23:04	9° <b>Ω</b> 04'54	
minimum elong	13473 Aug 09 23:53	0° TD 13'08	2°12'57	evening max el	13474 Jul 09 03:29	16° <b>Ω</b> 45'57	18°39'07
i Palita	13473 Aug 10 04:32	30°R€	0.62726.411	retrograde	13474 Jul 15 16:45	20° <b>Ω</b> 19'29	
min. Earth dist.	13473 Aug 12 10:17	27° <b>Ω</b> 29'58 24° <b>Ω</b> 03'40	0.63736 AU	evening set inferior conj	13474 Jul 18 22:34	19° <b>Ω</b> 19'35 13° <b>Ω</b> 41'34	2040140
morning rise desc. node	13473 Aug 16 01:28 13473 Aug 18 03:34	24°δ (03°40 22°Ω41'33		,	13474 Jul 24 13:58 13474 Jul 24 15:55	$13^{\circ} \Omega 35'35$	2°48'40 2°47'30
direct	13473 Aug 18 03.34 13473 Aug 22 16:43	22 <b>δ</b> (41 33 21° <b>Ω</b> 30'11		minimum elong min. Earth dist.	13474 Jul 24 13.33	$13^{\circ} \Omega 18'05$	0.65640 AU
morning max el	13473 Sep 05 13:23	21 <b>δζ</b> 3011 29° <b>Ω</b> 30'49	27°41'41	morning rise	13474 Jul 20 12.44 13474 Jul 30 08:17	7° <b>Ω</b> 18'12	0.03040 AU
morning max ci	13473 Sep 06 00:54	0° my	2/ 4141	desc. node	13474 Aug 05 01:03	4°Ω39'48	
	13473 Sep 00 00:54 13473 Sep 27 20:45	0° <del>م</del>		direct	13474 Aug 05 17:54	4°Ω38'00	
morning set	13473 Oct 10 10:28	22° <b>ჲ</b> 58'57		morning max el	13474 Aug 19 00:37	12° <b>Ω</b> 29'02	26°52'54
asc. node	13473 Oct 12 04:07	26° <b>Ω</b> 29'06		5 5	13474 Sep 02 02:08	0° m)	
	13473 Oct 13 21:02	$0^{\circ}$ M.			13474 Sep 20 11:24	0∘ <u>⊽</u>	
max. Earth dist.	13473 Oct 15 07:21	2°M59'59	1.32465 AU	morning set	13474 Sep 23 17:54	6° <b>ჲ</b> 07'42	
				max. Earth dist.	13474 Sep 27 22:14	14° <b>≏</b> 19'55	1.33890 AU
superior conj	13473 Oct 18 08:06	9°M29'23	0°55'57	asc. node	13474 Sep 29 00:43	16° <b>≏</b> 33'54	
minimum elong	13473 Oct 18 05:53	9° <b>™</b> 17′25	0°56'09				
evening rise	13473 Oct 25 05:48	24°M29'53		superior conj	13474 Oct 02 09:13	23° <b>ഫ</b> 29'59	0°31'23
	13473 Oct 27 20:16	0° <b>∡</b>		minimum elong	13474 Oct 02 07:39	23° <b>≏</b> 21'48	0°31'24
desc. node	13473 Nov 13 23:51	28° <b>∡</b> ³30′21			13474 Oct 05 10:58	$0^{\circ}$ M	
	13473 Nov 15 07:33	0° <b>ろ</b>		evening rise	13474 Oct 09 16:01	8° <b>ጤ</b> 57'12	
evening max el	13473 Nov 17 04:55	1°る56'48	23°12'48		13474 Oct 20 15:29	0° <b>∡</b> ¹	
retrograde	13473 Nov 30 11:42	8°る33'01		evening max el	13474 Oct 29 18:42	12° 🗷 03'02	21°33'37
evening set	13473 Dec 04 17:51	7°る53'39	0.55000 433	desc. node	13474 Oct 31 21:12	13° 🗷 57'06	
min. Earth dist.	13473 Dec 11 14:33		0.55089 AU	retrograde	13474 Nov 11 00:12	18° 🗷 07'18	
inferior conj	13473 Dec 13 01:24	3°る51'15		evening set	13474 Nov 13 21:32	17° 🗷 48'15	5026142
minimum elong morning rise	13473 Dec 13 03:02 13473 Dec 21 13:48	3°る48'54 0°る00'54	3 34 30	inferior conj minimum elong	13474 Nov 22 17:59 13474 Nov 22 10:54	13° <b>х</b> 54'33 14° <b>х</b> 04'28	-5°36'43 5°34'44
morning rise	13473 Dec 21 13:48 13473 Dec 21 15:25	0° <b>₹7</b>		min. Earth dist.	13474 Nov 22 10:54 13474 Nov 22 20:40	13° <b>x</b> '04' 28	0.54505 AU
direct	13473 Dec 21 13.23 13473 Dec 24 11:24	30 қх. 29° <b>₹</b> 40'55		morning rise	13474 Nov 22 20.40 13474 Dec 01 01:07	13 <b>x</b> · 30 40 10° <b>x</b> d6'11	0.57505 AU
direct	13473 Dec 24 11:24 13473 Dec 27 05:28	29 <b>ズ</b> ・40 33		direct	13474 Dec 01 01:07 13474 Dec 04 19:36	9° <b>×</b> <sup>7</sup> 35'20	
	15.75 500 27 05.20	<b>~ ~</b>			Dec of 17.50	, , 55 20	

morning max el	13474 Dec 17 09:40	15° <b>∡</b> ³37'32	22°17'37	morning rise	13475 Nov 10 13:35	19° <b>™</b> 49'00	
asc. node	13474 Dec 26 01:26	26° <b>≯</b> ′20′10		direct	13475 Nov 15 06:21	19°M01'05	
	13474 Dec 28 08:46	0°ರ		morning max el	13475 Nov 28 20:25	25°M41'55	24°06'04
morning set	13475 Jan 08 00:26	20° <b>පි</b> 28'36			13475 Dec 02 21:26	0° <b>∡</b> ¹	
	13475 Jan 12 11:27	0° <b>≈</b>		asc. node	13475 Dec 12 22:30	14° <b>√</b> 34'52	
					13475 Dec 21 00:47	0°る	
superior conj	13475 Jan 15 01:38	5° <b>≈</b> 31'27	1°28'41	morning set	13475 Dec 23 12:19	。3 5° <b>る</b> 13'50	
minimum elong	13475 Jan 15 03:29	5°≈41'19	1°29'25	morning set	134/3 DCC 23 12.19	3 01330	
Č					12475 D 20 00:00	20° <b>ろ</b> 06'26	1027120
max. Earth dist.	13475 Jan 18 20:45	13°≈26′20	1.34119 AU	superior conj	13475 Dec 30 08:09		1°36'28
evening rise	13475 Jan 23 06:34	22°≈13'22		minimum elong	13475 Dec 30 08:58	20° <b>ප</b> 10'55	1°37'26
	13475 Jan 27 09:48	0° <b>∀</b>		max. Earth dist.	13476 Jan 01 18:37	25° <b>る</b> 22'33	1.32675 AU
desc. node	13475 Jan 27 20:27	0° <b>)</b> 48′25			13476 Jan 03 22:58	0° <b>≈</b>	
	13475 Feb 15 06:41	$0^{\circ}$ Y		evening rise	13476 Jan 06 20:56	5° <b>≈</b> 59'59	
evening max el	13475 Feb 27 04:13	14° <b>Ƴ</b> 01'16	27°00'48	desc. node	13476 Jan 14 17:09	20° <b>≈</b> 55′27	
retrograde	13475 Mar 12 12:51	21° <b>Y</b> 28'15			13476 Jan 20 00:34	0° <b>∀</b>	
evening set	13475 Mar 19 02:26	18° <b>Ƴ</b> 55'53		evening max el	13476 Feb 09 16:54	27° <b>∺</b> 20'33	27°30'05
min. Earth dist.	13475 Mar 23 01:17	15° <b>Ƴ</b> 05'39	0.65649 AU		13476 Feb 12 17:00	$0^{\circ}\mathbf{\Upsilon}$	
asc. node	13475 Mar 23 22:29	14° <b>Ƴ</b> 05'37		retrograde	13476 Feb 23 10:37	4° <b>Ƴ</b> 47'25	
inferior conj	13475 Mar 25 05:50	12° <b>Ƴ</b> 35'26	0°24'54	evening set	13476 Mar 01 06:33	2° <b>Y</b> 20'15	
minimum elong	13475 Mar 25 05:10	12° <b>Y</b> '37'22	0°24'32	8 - 1 - 1	13476 Mar 04 01:18	30°R <b>)</b> €	
morning rise	13475 Mar 31 09:23	7° <b>Υ</b> '01'52	0 2 . 5 2	min. Earth dist.	13476 Mar 05 01:46	29° <b>)</b> 00'18	0.63849 AU
direct	13475 Apr 03 04:43	6° <b>Υ</b> 19'14		inferior conj	13476 Mar 07 17:35	26° <del>X</del> 15'21	
	•	9° <b>Υ</b> 38'51	18°04'56		13476 Mar 07 17:53	26° <del>X</del> 12'00	
morning max el	13475 Apr 09 13:14		18-04-30	minimum elong		26° <del>X</del> 12'00 24° <del>X</del> 09'13	0°40'13
	13475 Apr 23 20:35	0°8		asc. node	13476 Mar 09 19:58		
desc. node	13475 Apr 25 22:47	3° <b>8</b> 23'28		morning rise	13476 Mar 14 09:25	20° <b>)</b> 56′10	
morning set	13475 Apr 28 02:25	6° <b>8</b> 53'05		direct	13476 Mar 16 20:22	20° <b>∺</b> 26′10	
				morning max el	13476 Mar 23 06:42	23° <b>)</b> 44'33	17°48'07
superior conj	13475 May 12 21:55	0° <b>Ⅱ</b> 34'57			13476 Mar 28 08:28	$0^{\circ}\mathbf{\Upsilon}$	
minimum elong	13475 May 12 12:51	29° <b>8</b> 59'20	1°48'27	morning set	13476 Apr 08 23:00	18° <b>Y</b> 55′05	
	13475 May 12 13:01	$\Pi$ $\circ 0$		desc. node	13476 Apr 11 19:21	23° <b>Y</b> 45'03	
max. Earth dist.	13475 May 15 13:42	4° <b>Ⅱ</b> 45′00	1.45734 AU		13476 Apr 15 12:34	$9^{\circ}$ 8	
evening rise	13475 May 29 00:26	25° <b>Ⅱ</b> 37'34					
	13475 May 31 20:26	$0$ $\circ$ $\odot$		superior conj	13476 Apr 21 22:17	10° <b>8</b> 32'14	-1°13'05
greatest brilliancy	13475 Jun 10 15:57	14° <b>9</b> 57'06	-0.7m	minimum elong	13476 Apr 21 14:55	10° <b>8</b> 02'22	1°12'44
asc. node	13475 Jun 19 20:00	27° <b>5</b> 36'19		max. Earth dist.	13476 Apr 27 08:41	19° <b>8</b> 14'30	1.44975 AU
	13475 Jun 21 23:03	$0^{\circ}\Omega$			13476 May 04 05:46	$\Pi^{\circ}0$	
evening max el	13475 Jun 22 11:46	0° <b>Ω</b> 32'30	19°23'07	evening rise	13476 May 07 11:53	5° <b>Ⅱ</b> 00'27	
retrograde	13475 Jun 29 14:03	4° <b>Ω</b> 30'40		· ·	13476 May 24 06:44	0°©	
evening set	13475 Jul 03 05:03	3° <b>Ω</b> 14'15		evening max el	13476 Jun 04 14:30	14° <b>©</b> 21'18	20°22'17
	13475 Jul 06 12:53	30°Rூ		asc. node	13476 Jun 05 17:03	15°\$25'00	
inferior conj	13475 Jul 08 14:31	27° <b>©</b> 22'23	3°07'12	retrograde	13476 Jun 12 12:51	18°954'34	
minimum elong	13475 Jul 08 15:31	27° <b>©</b> 19'07	3°06'10	evening set	13476 Jun 16 13:46	17° <b>©</b> 21'15	
min. Earth dist.	13475 Jul 09 22:49	25°936'26	0.67151 AU	inferior conj	13476 Jun 21 20:16	11°9516'53	3°12'30
		20°958'14	0.07131 AU	·			3°11'28
morning rise	13475 Jul 14 01:26			minimum elong	13476 Jun 21 20:14	11°517'01	0.68214 AU
direct	13475 Jul 20 01:54	18°520'44		min. Earth dist.	13476 Jun 22 14:28	10°9514'35	0.08214 AU
desc. node	13475 Jul 22 22:26	18°950'54		morning rise	13476 Jun 27 02:23	4°955'48	
morning max el	13475 Aug 01 11:31	25°5546'22	25°40'50	direct	13476 Jul 02 15:24	2°\$29'07	
	13475 Aug 05 08:27	0° <b>Q</b>		desc. node	13476 Jul 08 19:42	4° <b>©</b> 49'45	2404 = 200
	13475 Aug 26 14:42	0° <b>m</b> )		morning max el	13476 Jul 13 21:37	9° <b>©</b> 13'49	24°15'08
morning set	13475 Sep 06 11:10	18° Mp 36'58			13476 Jul 30 06:51	$0 ^{\circ} \Omega$	
max. Earth dist.	13475 Sep 10 02:59	25° Mp 25'10	1.35795 AU	morning set	13476 Aug 18 09:46	0° Mp 14'42	
	13475 Sep 12 12:11	0∘ <b>⊽</b>			13476 Aug 18 06:22	0° <b>m</b> ∕	
asc. node	13475 Sep 15 21:17	6° <b>≙</b> 41'02		max. Earth dist.	13476 Aug 22 01:22	6°₩39'57	1.38048 AU
superior conj	13475 Sep 16 02:00	7° <b>₽</b> 04'46	0°01'52	superior conj	13476 Aug 29 06:59	20° Mp 04'35	-0°31'35
minimum elong	13475 Sep 16 01:53	7° <b>≙</b> 04'11	0°01'51	minimum elong	13476 Aug 29 09:10	20° Mp 15'01	0°31'29
behind sun begin	13475 Sep 15 19:43	6° <b>£</b> 33'09		asc. node	13476 Sep 01 17:50	26° Mp 46'23	
behind sun end	13475 Sep 16 08:04	7° <b>≙</b> 35'18			13476 Sep 03 09:08	0∘ <b>⊽</b>	
evening rise	13475 Sep 23 23:11	23° <b>♀</b> 14'27		evening rise	13476 Sep 07 00:44	7° <b>≏</b> 14'21	
	13475 Sep 27 07:20	0°ML			13476 Sep 19 22:27	0°M	
evening max el	13475 Oct 11 20:52	22°M45'42	20°09'53	evening max el	13476 Sep 23 13:08	4°M16'20	19°07'12
desc. node	13475 Oct 18 18:37	27°M25'11	20 07 03	retrograde	13476 Oct 02 13:28	8°M47'14	17 0/12
retrograde	13475 Oct 18 18.37 13475 Oct 22 12:35	27 11623 11 28°Mc03'46		evening set	13476 Oct 02 13.28 13476 Oct 04 10:05	8°M36'31	
•		28°11603'46 27°11603'46		desc. node		8°M33'29	
evening set	13475 Oct 24 13:46		4921110		13476 Oct 04 16:05		2025104
inferior conj	13475 Nov 02 12:12	23°M55'25		inferior conj	13476 Oct 12 21:07	4°M23'31	
minimum elong	13475 Nov 02 02:10	24°M10'22		minimum elong	13476 Oct 12 14:30	4°M34'46	
min. Earth dist.	13475 Nov 04 04:26	22°M55'29	0.54866 AU	min. Earth dist.	13476 Oct 15 15:53	2~11L30'30	0.56108 AU

	13476 Oct 20 01:21	30° <b>₹</b> Ω		min. Earth dist.	13477 Sep 27 09:41	13° <b>Ω</b> 01'23	0.57996 AU
morning rise	13476 Oct 20 01:21 13476 Oct 20 16:10	30 k== 29° <b>£</b> 43'51		morning rise	13477 Sep 27 09:41 13477 Oct 01 13:14	13 <b>≗</b> 01 23 10° <b>£</b> 19'10	0.57990 AU
direct	13476 Oct 26 04:44	29 <b>2</b> 43 31 28° <b>2</b> 33'09		direct	13477 Oct 01 13.14 13477 Oct 07 16:58	8° <b>£</b> 41'40	
direct	13476 Oct 26 04.44 13476 Nov 01 07:50	28 <b>=</b> 3309		morning max el	13477 Oct 07 16.38 13477 Oct 22 00:28	8 <b>2</b> 41 40 16° <b>2</b> 16'53	27000100
		5°M44'26	25040152	morning max ei			27 08 00
morning max el	13476 Nov 09 07:11		25°48'53	1	13477 Nov 02 06:12	0°M	
,	13476 Nov 26 21:44	0° ∡7		asc. node	13477 Nov 15 16:16	22°M46'49	
asc. node	13476 Nov 28 19:26	3° <b>₹</b> 27'01			13477 Nov 19 06:31	0° <b>∡</b> 7	
morning set	13476 Dec 06 23:37	19° <b>∡</b> 753'36		morning set	13477 Nov 21 08:39	4° <b>∡</b> ¹23'25	
	13476 Dec 11 14:16	0°₹				=	
				superior conj	13477 Nov 28 05:42	19° <b>∡</b> ³31'13	1°33'39
superior conj	13476 Dec 13 18:10	4° <b>ろ</b> 48'17	1°38'02	minimum elong	13477 Nov 28 04:27	19° <b>∡</b> ²24′13	1°34'34
minimum elong	13476 Dec 13 17:53	4° <b>ろ</b> 46'45	1°39'04	max. Earth dist.	13477 Nov 28 07:20	19° <b>∡</b> ′40'17	1.31240 AU
max. Earth dist.	13476 Dec 14 23:10	7° <b>る</b> 28'53	1.31707 AU		13477 Dec 02 23:07	0°る	
evening rise	13476 Dec 20 19:50	20° <b>る</b> 07'00		evening rise	13477 Dec 05 00:47	4° <b>පි</b> 28'01	
	13476 Dec 25 17:52	0° <b>≈</b>		desc. node	13477 Dec 18 10:54	29° <b>る</b> 58'59	
desc. node	13476 Dec 31 13:58	10° <b>≈</b> 41'51			13477 Dec 18 11:08	0° <b>≈</b>	
	13477 Jan 13 05:43	0° <b>∀</b>		evening max el	13478 Jan 04 06:15	22° <b>≈</b> 05'36	26°53'52
evening max el	13477 Jan 22 02:32	10° <b>)</b> 06′19	27°29'09	retrograde	13478 Jan 18 05:12	29° <b>≈</b> 16'35	
retrograde	13477 Feb 05 00:29	17° <b>¥</b> 26′25		evening set	13478 Jan 24 21:57	27° <b>≈</b> 22'46	
evening set	13477 Feb 11 22:13	15° <b>¥</b> 12'04		min. Earth dist.	13478 Jan 28 20:20	24° <b>≈</b> 43'43	0.59618 AU
min. Earth dist.	13477 Feb 15 16:27	12° <b>ℋ</b> 17'07	0.61793 AU	inferior conj	13478 Feb 01 00:53	22° <b>≈</b> 10'41	-3°20'10
inferior conj	13477 Feb 18 17:08	9° <b>)</b> 30′30	-1°57'11	minimum elong	13478 Feb 01 08:04	21° <b>≈</b> 56′16	3°16'54
minimum elong	13477 Feb 18 21:14	9° <b>∺</b> 21'05	1°55'05	morning rise	13478 Feb 08 21:15	17° <b>≈</b> 29'37	
asc. node	13477 Feb 24 17:25	4° <b>¥</b> 58'18		direct	13478 Feb 10 22:23	17° <b>≈</b> 13'57	
morning rise	13477 Feb 25 23:06	4° <b>)</b> €28'46		asc. node	13478 Feb 11 14:51	17°≈15'46	
direct	13477 Feb 28 03:39	4° <b>)(</b> 07'42		morning max el	13478 Feb 18 12:57	21° <b>≈</b> 00'41	18°09'06
morning max el	13477 Mar 06 23:46	7° <b>)</b> €35'11	17°49'07	. 8	13478 Feb 25 07:52	0° <b>)</b> €	
	13477 Mar 21 14:48	$0^{\circ}\Upsilon$		morning set	13478 Mar 06 03:58	15° <b>)(</b> 46'49	
morning set	13477 Mar 22 17:34	1° <b>Υ</b> '59'24			13478 Mar 13 19:47	0°Υ	
desc. node	13477 Mar 29 15:51	14° <b>Y</b> 15'36					
desc. node	15 17 7 17141 25 15.51	11   1330		superior conj	13478 Mar 15 21:26	3° <b>Y</b> 44'10	0°04'59
superior conj	13477 Apr 02 22:10	21° <b>Y</b> 35'55	-0°33'03	minimum elong	13478 Mar 15 21:50	3°Y45'56	0°04'58
minimum elong	13477 Apr 02 19:02	21° <b>Υ</b> '22'39		behind sun begin	13478 Mar 15 14:32	3°Υ13'14	0 0430
minimum ciong	13477 Apr 02 17:02 13477 Apr 07 22:51	0° <b>8</b>	0 32 30	behind sun end	13478 Mar 16 05:07	4°Υ18'34	
max. Earth dist.	13477 Apr 10 00:53	3° <b>8</b> 24'13	1.43565 AU	desc. node	13478 Mar 16 12:21	4°Υ50'47	
evening rise	13477 Apr 17 03:48	14° <b>8</b> 43'03	1.43303 AU	max. Earth dist.	13478 Mar 23 12:29	16°Υ58'44	1.41653 AU
evening rise	•	0°Ⅱ		evening rise		25°Υ12'02	1.41033 AU
	13477 Apr 27 05:28		21022122	evening rise	13478 Mar 28 12:12		
evening max el	13477 May 18 11:32	28°Ⅲ10'50 0° <b>©</b>	21°33'33		13478 Mar 31 12:20	8°0	
1	13477 May 20 10:03				13478 Apr 21 01:30	0°П 120Пооил	2205212.4
asc. node	13477 May 23 14:12	2°517'29		evening max el	13478 May 01 03:58	12° <b>∏</b> 00'41	22°52'34
retrograde	13477 May 27 11:17	3°526'22		asc. node	13478 May 10 11:27	17° <b>Ⅲ</b> 56'46	
evening set	13477 May 31 22:52	1°536'33		retrograde	13478 May 11 07:51	18° <b>Ⅱ</b> 00'04	
	13477 Jun 02 14:43	30°Ŗ <b>Ⅱ</b>		evening set	13478 May 16 06:42	15° <b>∏</b> 55'12	
inferior conj	13477 Jun 06 04:58	25° <b>Ⅲ</b> 21'12	3°06'19	inferior conj	13478 May 21 14:35	9° <b>Ⅲ</b> 31′04	
minimum elong	13477 Jun 06 03:59	25° <b>Ⅱ</b> 24'38	3°05'11	minimum elong	13478 May 21 12:52	9° <b>∏</b> 37'01	2°48'23
min. Earth dist.	13477 Jun 06 09:42	25° <b>∏</b> 04'41	0.68802 AU	min. Earth dist.	13478 May 21 06:26	9° <b>∏</b> 59'23	0.68911 AU
morning rise	13477 Jun 11 08:54	19° <b>∏</b> 05'29		morning rise	13478 May 26 18:57	3° <b>Ⅱ</b> 22'04	
direct	13477 Jun 16 09:16	16° <b>∏</b> 55'27		direct	13478 May 31 06:25	1° <b>∏</b> 31'59	
desc. node	13477 Jun 25 16:50	22° <b>Ⅱ</b> 10′12		morning max el	13478 Jun 08 23:58	6° <b>∏</b> 34'41	21°20'25
morning max el	13477 Jun 26 08:46	22° <b>∏</b> 49'33	22°45'33	desc. node	13478 Jun 12 13:51	10° <b>Ⅱ</b> 30′07	
	13477 Jul 02 15:25	$0$ $\circ$			13478 Jun 26 22:20	$0$ $\circ$ $\odot$	
	13477 Jul 23 14:38	$0$ $^{\circ}\Omega$		morning set	13478 Jul 10 07:54	20° <b>©</b> 22'05	
morning set	13477 Jul 30 09:19	10° <b>Ω</b> 50'59			13478 Jul 16 08:20	$0 {\circ} \Omega$	
max. Earth dist.	13477 Aug 04 00:19	18° <b>Ω</b> 34'55	1.40402 AU	max. Earth dist.	13478 Jul 17 04:29	1° <b>Ω</b> 22'16	1.42569 AU
	13477 Aug 10 13:03	0° <b>™</b>					
				superior conj	13478 Jul 24 13:02	13° <b>Ω</b> 41'48	-1°39'30
superior conj	13477 Aug 11 20:10	2°Mp20'21	-1°06'40	minimum elong	13478 Jul 24 20:06	14° <b>Ω</b> 12′09	1°39'32
minimum elong	13477 Aug 12 01:08	2° m/42'55	1°06'27		13478 Aug 02 18:58	0° <b>™</b>	
asc. node	13477 Aug 19 14:25	16°M/46'37		evening rise	13478 Aug 04 21:48	3° Mp 49'23	
evening rise	13477 Aug 21 17:37	20° m 49'30		asc. node	13478 Aug 06 11:04	6° <b>™</b> 37'40	
	13477 Aug 26 15:17	0∘ <b>⊽</b>		evening max el	13478 Aug 21 03:32	29° <b>m</b> 23'14	18°05'45
evening max el	13477 Sep 06 16:43	16° <b>≙</b> 31'49	18°26'12		13478 Aug 21 19:01	0∘ <b>⊽</b>	
retrograde	13477 Sep 14 09:34	20° <b>≏</b> 25'31		retrograde	13478 Aug 27 23:42	2° <b>ჲ</b> 53'19	
evening set	13477 Sep 16 10:14	20° <b>≙</b> 10'04		evening set	13478 Aug 30 07:38	2° <b>£</b> 29'11	
desc. node	13477 Sep 21 13:35	17° <b>≏</b> 33'57		-	13478 Sep 03 12:32	30°R, Mp	
inferior conj	13477 Sep 24 03:21	15° <b>≏</b> 36'18	-0°48'46	inferior conj	13478 Sep 06 06:44	27° m/35'05	0°39'47
minimum elong	13477 Sep 24 01:28	15° <b>≏</b> 40'03		minimum elong	13478 Sep 06 07:58	27° m/32'14	0°39'11
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min. Earth dist.	13480 Aug 04 21:21		0.64587 AU	minimum elong	13481 Jul 17 12:06	6° <b>Ω</b> 43'57	
morning rise	13480 Aug 08 13:55	16° <b>Ω</b> 59'15		min. Earth dist.	13481 Jul 19 03:03	4° <b>Ω</b> 40'39	0.66338 AU
desc. node	13480 Aug 12 06:07	14° <b>Ω</b> 51′06		morning rise	13481 Jul 23 01:25	0° <b>Ω</b> 24'55	
direct	13480 Aug 15 03:29	14° <b>Ω</b> 21′25			13481 Jul 23 13:24	30° <b>₹</b> 5	
morning max el	13480 Aug 28 18:45	22° <b>Ω</b> 19'36	27°24'22	direct	13481 Jul 29 07:34	27° <b>©</b> 44'55	
	13480 Sep 04 12:43	0° <b>m</b> y		desc. node	13481 Jul 30 03:32	27° <b>5</b> 47'28	
	13480 Sep 24 10:47	0∘ <b>⊽</b>			13481 Aug 04 19:04	$0 {\circ} \Omega$	
morning set	13480 Oct 03 02:06	16° <b>≙</b> 00'05		morning max el	13481 Aug 11 05:52	5° <b>Ω</b> 26′13	26°24'35
asc. node	13480 Oct 06 06:20	22° <b>≙</b> 21'40			13481 Aug 30 02:41	0° <b>m</b> ∕	
max. Earth dist.	13480 Oct 07 15:30	25° <b>≙</b> 12'08	1.33006 AU	morning set	13481 Sep 16 03:55	28° <b>m</b> 52'15	
	13480 Oct 09 22:27	0°M			13481 Sep 16 18:19	0∘ <b>ত</b>	
				max. Earth dist.	13481 Sep 20 02:00	6° <b>₽</b> 23'44	1.34650 AU
superior conj	13480 Oct 11 06:36	2°M51'03	0°46'13	asc. node	13481 Sep 23 02:56	12° <b>≏</b> 27'32	
minimum elong	13480 Oct 11 04:35	2°M40'13	0°46'19				
evening rise	13480 Oct 18 07:32	18° <b>M</b> 00'41		superior conj	13481 Sep 25 04:30	16° <b>≏</b> 41'01	0°19'26
	13480 Oct 24 03:54	0° <b>∡</b> 7		minimum elong	13481 Sep 25 03:27	16° <b>≏</b> 35'35	0°19'25
desc. node	13480 Nov 08 02:22	22° <b>∡</b> ³38'16			13481 Oct 01 13:11	$0^{\circ}$ M	
evening max el	13480 Nov 09 00:21	23° <b>∡</b> ³33'37	22°29'29	evening rise	13481 Oct 02 16:42	2°M24'02	
retrograde	13480 Nov 21 22:05	29° <b>∡</b> 57′32			13481 Oct 18 08:38	0° <b>∡</b>	
evening set	13480 Nov 25 13:38	29° <b>∡</b> ¹28'25		evening max el	13481 Oct 21 18:41	3° <b>∡</b> 751'47	20°55'37
min. Earth dist.	13480 Dec 03 07:58	25° <b>∡</b> ′59′06	0.54737 AU	desc. node	13481 Oct 25 23:42	7° <b>∡</b> 17'38	
inferior conj	13480 Dec 04 03:25	25° <b>∡</b> 31'41	-5°55'09	retrograde	13481 Nov 02 08:44	9° <b>∡</b> ³37'16	
minimum elong	13480 Dec 04 01:08	25° <b>∡</b> ³34'54	5°54'02	evening set	13481 Nov 04 19:43	9° <b>∡</b> ¹22'51	
morning rise	13480 Dec 12 13:52	21° <b>∡</b> ⁴44'06		inferior conj	13481 Nov 13 18:46	5° <b>∡</b> ¹29'02	-5°10'35
direct	13480 Dec 15 20:06	21° <b>∡</b> ′20′01		minimum elong	13481 Nov 13 09:27	5° <b>∡</b> ¹42'16	5°07'41
morning max el	13480 Dec 27 14:39	26° <b>∡</b> 57'41	21°19'17	min. Earth dist.	13481 Nov 14 14:01	5° <b>∡</b> 01'39	0.54545 AU
	13480 Dec 30 11:28	8°0		morning rise	13481 Nov 21 23:27	1° <b>∡</b> ³35'55	
asc. node	13481 Jan 02 06:43	3°₹33'36		direct	13481 Nov 26 03:46	0° <b>≯</b> 58'30	
morning set	13481 Jan 16 15:10	29° <b>る</b> 19'50		morning max el	13481 Dec 09 05:10	7° <b>∡</b> 17'12	23°03'16
	13481 Jan 16 22:52	0° <b>≈</b>		asc. node	13481 Dec 20 03:49	21° <b>∡</b> ¹20'45	
					13481 Dec 25 02:49	8°0	
superior conj	13481 Jan 23 21:30	14° <b>≈</b> 35′03	1°21'13	morning set	13482 Jan 01 02:37	14° <b>る</b> 06'15	
minimum elong	13481 Jan 23 23:51	14° <b>≈</b> 47'13	1°21'46				
max. Earth dist.	13481 Jan 28 12:21	23° <b>≈</b> 57'59	1.35157 AU	superior conj	13482 Jan 08 00:58	29° <b>る</b> 02'53	1°32'45
	13481 Jan 31 14:47	0° <b>∀</b>		minimum elong	13482 Jan 08 02:25	29° <b>る</b> 10'38	1°33'37
evening rise	13481 Feb 01 14:18	1° <b>∺</b> 51′28			13482 Jan 08 11:38	0° <b>≈</b>	
desc. node	13481 Feb 04 02:02	6° <b>∺</b> 28′08		max. Earth dist.	13482 Jan 11 06:03	5° <b>≈</b> 51'28	1.33453 AU
	13481 Feb 18 07:02	$0$ ° $\Upsilon$		evening rise	13482 Jan 15 22:26	15° <b>≈</b> 22'53	
evening max el	13481 Mar 08 21:18	23° <b>Y</b> '32'46	26°32'48	desc. node	13482 Jan 21 22:41	26° <b>≈</b> 44'12	
	13481 Mar 17 18:37	$9^{\circ}$ 8			13482 Jan 23 18:41	0° <b>∀</b>	
retrograde	13481 Mar 21 22:02	0° <b>と</b> 54'25			13482 Feb 12 22:39	$0$ ° $\Upsilon$	
	13481 Mar 25 18:18	30° <b>ŖƳ</b>		evening max el	13482 Feb 19 10:46	7° <b>℃</b> 05'51	27°16'30
evening set	13481 Mar 28 06:29	28° <b>Ƴ</b> 22'37		retrograde	13482 Mar 04 23:32	14° <b>Ƴ</b> 33'05	
asc. node	13481 Mar 31 03:36	25° <b>Y</b> 35′25		evening set	13482 Mar 11 16:27	12° <b>Y</b> ′02'02	
min. Earth dist.	13481 Apr 01 08:19	24° <b>Ƴ</b> 13'16	0.66533 AU	min. Earth dist.	13482 Mar 15 13:33	8° <b>Y</b> 25'21	0.64929 AU
inferior conj	13481 Apr 03 05:47	21° <b>Y</b> 56'49	0°57'41	inferior conj	13482 Mar 17 23:05	5° <b>Ƴ</b> 47'34	
minimum elong	13481 Apr 03 04:23	22° <b>Y</b> 01'03	0°56'52	minimum elong	13482 Mar 17 23:08	5° <b>Ƴ</b> 47'26	0°01'33
morning rise	13481 Apr 09 03:18	16° <b>Ƴ</b> 15'48		transit middle	13482 Mar 17 23:08	5° <b>Ƴ</b> 47'26	0°01'33
direct	13481 Apr 12 04:15	15° <b>Y</b> ′24′08		transit begin	13482 Mar 17 20:06	5° <b>Ƴ</b> 55'47	
morning max el	13481 Apr 18 15:05	18° <b>Ƴ</b> 49'21	18°22'20	transit end	13482 Mar 18 02:09	5° <b>Y</b> 39'06	
	13481 Apr 27 06:38	0°8		asc. node	13482 Mar 18 01:03	5° <b>Ƴ</b> 42'09	
desc. node	13481 May 03 04:20	9° <b>8</b> 07'01		morning rise	13482 Mar 24 07:35	0° <b>Ƴ</b> 19'51	
morning set	13481 May 08 17:19	17° <b>8</b> 53'43			13482 Mar 25 04:04	30° <b>₹</b>	
	13481 May 16 09:01	$\Pi$ °0		direct	13482 Mar 26 23:16	29° <b>) (</b> 42′54	
					13482 Mar 28 18:36	$0$ ° $\Upsilon$	
superior conj	13481 May 24 09:40	12° <b>∏</b> 34'44		morning max el	13482 Apr 02 07:24	3° <b>Y</b> ′00′16	17°55'41
minimum elong	13481 May 24 02:24	12° <b>Ⅱ</b> 06′21		morning set	13482 Apr 19 22:38	29° <b>Y</b> 12′12	
max. Earth dist.	13481 May 25 02:52		1.45847 AU	desc. node	13482 Apr 20 00:57	29° <b>Y</b> ′21'49	
	13481 Jun 04 13:25	$0$ $\circ$			13482 Apr 20 10:11	$9^{\circ}$ 8	
evening rise	13481 Jun 09 07:29	7° <b>5</b> 26'51					
greatest brilliancy	13481 Jun 19 03:42	22°5549'02	-0.8m	superior conj	13482 May 03 23:48	22° <b>8</b> 01'56	
	13481 Jun 23 22:27	$0^{\circ}\Omega$		minimum elong	13482 May 03 14:51	21° <b>8</b> 26'23	
asc. node	13481 Jun 27 01:27	4° <b>Ω</b> 22'24		max. Earth dist.	13482 May 07 23:11	28° <b>8</b> 18'32	1.45505 AU
evening max el	13481 Jul 01 18:38	9° <b>Ω</b> 57'52	18°55'53		13482 May 09 01:04	0°Щ	
retrograde	13481 Jul 08 12:18	13° <b>Ω</b> 40′03		evening rise	13482 May 19 23:58	16° <b>∏</b> 57'56	
evening set	13481 Jul 11 22:03	12° <b>Ω</b> 33′01			13482 May 28 13:24	0°€	
inferior conj	13481 Jul 17 10:32	6° <b>Ω</b> 48'56	2°58'17	greatest brilliancy	13482 Jun 03 07:20	8° <b>©</b> 32'53	-0.6m

asc. node	13482 Jun 13 22:24	22°536'44		evening max el	13483 May 29 00:43	7° <b>©</b> 33'42	20°51'16
evening max el	13482 Jun 15 00:36	23°9545'11	19°46'27	asc. node	13483 May 31 19:29	10°S03'10	20 31 10
retrograde	13482 Jun 22 10:33	27° <b>©</b> 57'08	17 4027	retrograde	13483 Jun 06 09:32	12°9524'54	
evening set	13482 Jun 26 05:44	26°933'20		evening set	13483 Jun 10 14:50	10°5944'30	
inferior conj	13482 Jul 01 13:34	20°935'43	3°10'57	inferior conj	13483 Jun 15 20:52	4° <b>©</b> 34'59	3°11'13
minimum elong	13482 Jul 01 14:08	20°933'51	3°09'54	minimum elong	13483 Jun 15 20:24	4°936'35	3°10'09
min. Earth dist.	13482 Jul 02 15:41	19°508'10	0.67664 AU	min. Earth dist.	13483 Jun 16 09:14	3°952'08	0.68521 AU
morning rise	13482 Jul 06 22:08	14°9512'31	0.07004710	mm. Darm dist.	13483 Jun 19 09:01	30°RⅡ	0.00321710
direct	13482 Jul 12 17:49	11°939'05		morning rise	13483 Jun 21 01:43	28° <b>I</b> I15'45	
desc. node	13482 Jul 17 00:52	12°9647'12		direct	13483 Jun 26 09:19	25° <b>∏</b> 55'42	
morning max el	13482 Jul 24 16:32	18°548'43	25°05'28	desc. node	13483 Jul 03 22:05	29° <b>I</b> I23'33	
morning max or	13482 Aug 03 03:44	0°Ω	23 03 20	dese. Hode	13483 Jul 04 15:23	0°95	
	13482 Aug 23 04:29	0° <b>m</b> )		morning max el	13483 Jul 07 02:56	2°920'16	23°36'55
morning set	13482 Aug 29 13:46	11° <b>m</b> ) 00'08		morning max cr	13483 Jul 28 04:19	0°Ω	23 30 33
max. Earth dist.	13482 Sep 02 03:38	17° Mp 30'00	1.36724 AU	morning set	13483 Aug 11 03:07	22°Ω13'19	
max. Earth dist.	13 102 Sep 02 03:30	17 11/25000	1.50/21/10	max. Earth dist.	13483 Aug 15 01:18	28° <b>Ω</b> 58'11	1.39048 AU
superior conj	13482 Sep 08 16:39	0° <b>ჲ</b> 00'58	-0°12'00	max. Earth dist.	13483 Aug 15 15:23	0° m)	1.57040710
minimum elong	13482 Sep 08 17:25	0° <b>⊆</b> 04'45	0°11'57		15405 Aug 15 15.25	<b>پ</b> راا ک	
behind sun begin	13482 Sep 08 17:23 13482 Sep 08 13:02	29° m 43'06	0 1137	superior conj	13483 Aug 22 15:27	12° m 43'04	-0°46'28
behind sun end	13482 Sep 08 13:02 13482 Sep 08 21:49	0° <b>£</b> 26'26		minimum elong	13483 Aug 22 18:48	12° m 58'46	
bennia sun ena	13482 Sep 08 21:47 13482 Sep 08 16:27	0° <b>⊽</b>		asc. node	13483 Aug 27 20:04	22° m) 37'17	0 4017
asc. node	13482 Sep 09 23:29	ە <b>–</b> 2° <b>-</b> 33'47		evening rise	13483 Aug 31 20:07	0° <b>ہ</b> 24'40	
evening rise	13482 Sep 16 21:47	2 <b>—</b> 33 <b>4</b> 7 16° <b>—</b> 34'12		evening rise	13483 Aug 31 15:03	0 <b>_</b> 2++0	
evening rise	13482 Sep 23 19:32	0°ML		evening max el	13483 Sep 17 00:21	0 <b>—</b> 26° <b>Ω</b> 43'45	18°47'12
evening max el	13482 Oct 04 02:46	14°ML53'04	19°40'30	evening max er	13483 Sep 21 09:54	0°M	10 4/ 12
desc. node	13482 Oct 12 21:08	19° <b>M</b> .47'02	17 40 50	retrograde	13483 Sep 25 10:15	0°M57'26	
retrograde	13482 Oct 14 01:29	19°ML51'05		evening set	13483 Sep 27 07:46	0°M45'21	
evening set	13482 Oct 15 23:01	19°M41'02		desc. node	13483 Sep 29 18:37	29° <b>£</b> 56'41	
inferior conj	13482 Oct 24 17:51	15°ML37'40	-3°38'03	dese. Hode	13483 Sep 29 15:36	30°R <b>Ω</b>	
minimum elong	13482 Oct 24 08:47			inferior conj	13483 Oct 05 11:34	26° <b>£</b> 24'06	-1°48'35
min. Earth dist.	13482 Oct 26 22:56	14°ML14'31	0.55287 AU	minimum elong	13483 Oct 05 17:34 13483 Oct 05 07:03	26° <b>⊆</b> 32'18	1°46'25
morning rise	13482 Nov 01 16:45	11°ML18'20	0.33207 110	min. Earth dist.	13483 Oct 08 13:11	24° <b>⊆</b> 11'00	0.56840 AU
direct	13482 Nov 06 18:02	10°M21'42		morning rise	13483 Oct 13 03:01	21° <b>2</b> 27'53	0.50040710
morning max el	13482 Nov 20 15:00	17°M16'25	24°51'50	direct	13483 Oct 18 22:35	20° <b>Ω</b> 05'54	
morning max ci	13482 Dec 01 00:03	0° <b>∡</b> ⊓	24 31 30	morning max el	13483 Nov 02 04:15	20 <b>—</b> 03 34 27° <b>—</b> 29'12	26°26'24
asc. node	13482 Dec 07 00:50	9° <b>×</b> 752'24		morning max cr	13483 Nov 04 15:10	0°M	20 20 24
morning set	13482 Dec 16 14:28	28° <b>×</b> <sup>7</sup> 49'45		asc. node	13483 Nov 23 21:45	28°M57'09	
morning set	13482 Dec 17 03:31	0°る		ase. node	13483 Nov 24 10:55	0° <b>√</b>	
	13402 Dec 17 03.31	0 0		morning set	13483 Dec 01 01:01	13° <b>∡</b> 125'41	
superior conj	13482 Dec 23 09:14	13° <b>る</b> 41'29	1°37'51	morning set	13403 DCC 01 01.01	13 🗡 23 41	
minimum elong	13482 Dec 23 09:35	13°る43'26	1°38'54	superior conj	13483 Dec 07 20:09	28° <b>∡</b> °24'30	1°36'53
max. Earth dist.	13482 Dec 25 07:01	17° <b>る</b> 51'57	1.32195 AU	minimum elong	13483 Dec 07 19:26	28°×24'30'32	1°37'54
evening rise	13482 Dec 30 16:43	17 <b>3</b> 3137 29° <b>る</b> 18'34	1.32173 AU	max. Earth dist.	13483 Dec 07 13:19	0°₹2032	1.31437 AU
evening rise	13482 Dec 31 00:49	0°≈		max. Larm dist.	13483 Dec 08 13:18	0°30000	1.5145/ AO
desc. node	13483 Jan 08 19:25	16° <b>≈</b> 43'09		evening rise	13483 Dec 14 18:27	13° <b>る</b> 32'02	
dese. Hode	13483 Jan 16 21:11	0° <b>₩</b>		evening rise	13483 Dec 23 02:43	0°≈	
evening max el	13483 Feb 01 22:12	20° <b>∺</b> 11'32	27°33'35	desc. node	13483 Dec 26 16:16	6°≈17'59	
retrograde	13483 Feb 15 18:07	27°\(\)36'34	21 33 33	desc. node	13484 Jan 12 14:50	0° <b>X</b> 1737	
evening set	13483 Feb 22 15:38	25° <b>H</b> 13'29		evening max el	13484 Jan 15 05:31	2° <b>)</b> 38'13	27°18'26
min. Earth dist.	13483 Feb 26 09:50	22° <b>H</b> 05'21	0.63004 AU	retrograde	13484 Jan 29 04:36	9° <b>¥</b> 55′28	2, 1020
inferior conj	13483 Mar 01 06:02	19° <b>H</b> 17'37		evening set	13484 Feb 05 01:02	7° <b>)</b> 48'48	
minimum elong	13483 Mar 01 08:25	19° <b>H</b> 11'44		min. Earth dist.	13484 Feb 08 20:05	5° <b>∺</b> 01'54	0.60870 AU
asc. node	13483 Mar 04 22:31	15° <b>¥</b> 57'34	1 10 40	inferior conj	13484 Feb 11 23:18	2° <b>)</b> 18'47	
morning rise	13483 Mar 08 03:45	14° <b>H</b> 05'50		minimum elong	13484 Feb 12 04:43	2° <b>H</b> 06'58	
direct	13483 Mar 10 11:41	13° <b>)</b> 40'06		minimum ciong	13484 Feb 14 18:24	2 7(00 38 30°R≈	2 29 17
morning max el	13483 Mar 17 01:10	13 <b>X</b> 40 06	17°46'20	morning rise	13484 Feb 19 11:31	30 k≈ 27°≈25'38	
morning max ci	13483 Mar 26 09:13	0° <b>Υ</b>	17 4020	asc. node	13484 Feb 19 19:58	27°≈20'06	
morning set	13483 Apr 02 05:18	11° <b>Υ</b> 42'35		direct	13484 Feb 21 14:00	27 ≈20 00 27°≈07'25	
desc. node	13483 Apr 02 03.18 13483 Apr 06 21:29	11 <b>γ</b> 42 33 19° <b>Υ</b> 47'28		ancet	13484 Feb 27 23:02	27 <b>≈</b> 0723	
desc. Houc	13483 Apr 10 21:29 13483 Apr 12 22:23	0° <b>8</b>		morning max el	13484 Feb 27 23.02 13484 Feb 28 17:04	0° <b>)</b>	17°55'09
	15-105 Apr 12 22.23	ν <b>Ο</b>		morning set	13484 Mar 15 07:16	0 <del>X</del> 4207 25° <b>¥</b> 06'46	1/ 3303
superior con:	12/82 Apr 1/ 00:40	2° <b>8</b> 26'40	0°56'12	morning set		25°π06'46 0°Υ	
superior conj	13483 Apr 14 09:46	2° <b>8</b> 03'27		desc. node	13484 Mar 17 23:39	10° <b>Υ</b> 20'06	
minimum elong max. Earth dist.	13483 Apr 14 04:09	2 O03/2/	0 22 23	uesc. Houe	13484 Mar 23 17:59	10 1 20 06	
max. L'aith dist.	-	1201/10/20	1 ////O ATT				
avanina rias	13483 Apr 20 17:01	12° <b>8</b> 40'29	1.44448 AU	gunorier cor:	12494 Mar 25 10:55	1200050120	0016125
evening rise	13483 Apr 20 17:01 13483 Apr 29 11:20	26° <b>8</b> 23'57	1.44448 AU	superior conj	13484 Mar 25 19:55	13°Υ58'30	
evening rise	13483 Apr 20 17:01		1.44448 AU	superior conj minimum elong max. Earth dist.	13484 Mar 25 19:55 13484 Mar 25 18:28 13484 Apr 02 06:46	13° <b>Υ</b> 58'30 13° <b>Υ</b> 52'12 26° <b>Υ</b> 34'11	

	13484 Apr 04 09:12	0° <b>႘</b>		max. Earth dist.	13485 Mar 15 16:24	9° <b>Ƴ</b> 51'01	1.40741 AU
evening rise	13484 Apr 08 09:10	6° <b>8</b> 23'36		evening rise	13485 Mar 20 02:32	17° <b>Y</b> 16'59	
-	13484 Apr 24 01:38	$\Pi^{\circ}0$		-	13485 Mar 28 02:11	$9^{\circ}$ 8	
evening max el	13484 May 10 19:34	21° <b>Ⅲ</b> 22'57	22°06'36		13485 Apr 18 16:16	$\Pi^{\circ}0$	
asc. node	13484 May 17 16:40	26° <b>Ⅱ</b> 26′20		evening max el	13485 Apr 23 10:54	5° <b>Ⅱ</b> 14'36	23°27'10
retrograde	13484 May 20 07:23	26° <b>Ⅱ</b> 57'39		retrograde	13485 May 04 02:39	11° <b>Ⅱ</b> 30'49	
evening set	13484 May 24 23:35	25° <b>Ⅱ</b> 01'28		asc. node	13485 May 04 13:57	11° <b>Ⅱ</b> 29'49	
inferior conj	13484 May 30 06:13	18° <b>Ⅱ</b> 42'04	3°00'30	evening set	13485 May 09 06:25	9° <b>Ⅱ</b> 20′23	0.00001.441
minimum elong	13484 May 30 04:53	18° <b>∏</b> 46'42 18° <b>∏</b> 44'37	2°59'19	min. Earth dist.	13485 May 14 02:14	3° <b>Ⅱ</b> 39'58 2° <b>Ⅱ</b> 53'44	0.68821 AU 2°39'30
min. Earth dist. morning rise	13484 May 30 05:29 13484 Jun 04 09:59	18°Щ44'37 12°Щ28'49	0.68905 AU	inferior conj minimum elong	13485 May 14 15:41 13485 May 14 13:45		2°38'13
direct	13484 Jun 09 04:52	12 <b>H</b> 2649		minimum ciong	13485 May 16 19:47	30°R <b>8</b>	2 38 13
morning max el	13484 Jun 18 15:18	15° <b>Ⅲ</b> 59'02	22°08'14	morning rise	13485 May 19 21:01	26° <b>8</b> 47'54	
desc. node	13484 Jun 19 19:12	17° <b>Ⅱ</b> 11'15		direct	13485 May 24 03:14	25° <b>8</b> 06'24	
	13484 Jun 30 01:49	0ಂತಾ		morning max el	13485 Jun 01 08:59	29° <b>8</b> 48'37	20°47'05
	13484 Jul 20 04:40	$0^{\circ}\Omega$			13485 Jun 01 13:32	$\Pi^{\circ}0$	
morning set	13484 Jul 21 15:53	2° <b>Ω</b> 21′04		desc. node	13485 Jun 06 16:11	5° <b>Ⅱ</b> 51'27	
max. Earth dist.	13484 Jul 27 01:34	11° <b>Ω</b> 12'44	1.41362 AU		13485 Jun 23 17:12	$0$ $\circ$ $\odot$	
				morning set	13485 Jul 01 05:04	11° <b>©</b> 27'56	
superior conj	13484 Aug 03 20:31	24° <b>Ω</b> 36'48		max. Earth dist.	13485 Jul 09 08:43	24°5522'49	1.43384 AU
minimum elong	13484 Aug 04 02:35	25° <b>Ω</b> 03'40	1°21'02		13485 Jul 12 19:26	$0$ $^{\circ}$ $\Omega$	
,	13484 Aug 06 20:47	0° Mp			12405 1 1 16 02 40	50 <b>O</b> 2211 6	1051100
asc. node	13484 Aug 13 16:40	12° Mp 33'47 13° Mp 45'44		superior conj	13485 Jul 16 03:40	5° <b>Ω</b> 33'16 6° <b>Ω</b> 03'23	
evening rise	13484 Aug 14 08:08 13484 Aug 23 10:17	13°110/43°44 0° <b>Ω</b>		minimum elong evening rise	13485 Jul 16 10:50 13485 Jul 28 05:25	26°Ω26'43	1-31-39
evening max el	13484 Aug 30 07:37	0 <b>=</b> 9° <b>£</b> 15'57	18°15'08	evening rise	13485 Jul 30 05:41	0°m)	
retrograde	13484 Sep 06 14:10	12° <b>≏</b> 57'25	10 13 00	asc. node	13485 Jul 31 13:21	2° m) 19'26	
evening set	13484 Sep 08 17:49	12° <b>Ω</b> 38'41		evening max el	13485 Aug 13 20:21	22° m) 19'35	18°02'54
desc. node	13484 Sep 15 16:09	8° <b>≏</b> 19'27		retrograde	13485 Aug 20 10:44	25° <b>m</b> 43'37	
inferior conj	13484 Sep 16 03:04	7° <b>≏</b> 56'22	-0°08'31	evening set	13485 Aug 22 22:16	25° <b>m</b> 14'32	
minimum elong	13484 Sep 16 02:46	7° <b>م</b> 57'01	0°08'22	inferior conj	13485 Aug 29 14:26	$20^\circ$ Mp $12'06$	1°10'33
transit middle	13484 Sep 16 02:46	7° <b>≏</b> 57'01	0°08'22	minimum elong	13485 Aug 29 16:23	20° Mp 07'19	1°09'36
transit begin	13484 Sep 15 23:48	8° <b>≏</b> 03'17		min. Earth dist.	13485 Sep 01 16:38	17° <b>m</b> ) 11'28	0.61209 AU
transit end	13484 Sep 16 05:43	7° <b>Ω</b> 50'44		desc. node	13485 Sep 02 13:40	16° Mp 23'34	
min. Earth dist.	13484 Sep 19 10:27	5° <b>Ω</b> 08'55	0.58924 AU	morning rise	13485 Sep 05 07:46	14° m 13'54	
morning rise direct	13484 Sep 23 08:16 13484 Sep 29 17:05	2° <b>£</b> 25'00 0° <b>£</b> 35'25		direct	13485 Sep 11 23:08	11° <b>m</b> 59'46 19° <b>m</b> 56'26	27°57'54
morning max el	13484 Oct 14 00:42	0 <del>22</del> 33 23 8° <b>Ω</b> 19'02	27°31'08	morning max el	13485 Sep 26 04:28 13485 Oct 04 19:21	0° <b>⊽</b>	21 31 34
morning max cr	13484 Oct 30 12:14	0°M	27 31 08		13485 Oct 04 19:21 13485 Oct 23 10:46	0° <b>™</b>	
asc. node	13484 Nov 09 18:34	18°M25'45		asc. node	13485 Oct 27 15:18	8°M11'39	
morning set	13484 Nov 14 08:30	27° <b>M</b> 48'57		morning set	13485 Oct 29 11:01	11° <b>M</b> 55'14	
-	13484 Nov 15 09:04	0° <b>∡</b> ¹		max. Earth dist.	13485 Nov 04 04:31	24°M11'46	1.31480 AU
		_					
superior conj	13484 Nov 21 07:47	13° 🗷 05'46	1°30'03	superior conj	13485 Nov 05 18:17	27°M40'15	1°17'29
minimum elong	13484 Nov 21 06:11	12° <b>₹</b> 56'51	1°30'52	minimum elong	13485 Nov 05 16:07	27°M28'18	1°18'00
max. Earth dist. evening rise	13484 Nov 20 21:42 13484 Nov 28 01:19	12° <b>х</b> 09′25 27° <b>х</b> 56′50	1.31195 AU	evening rise	13485 Nov 06 19:28 13485 Nov 12 11:18	0°⊀¹ 12°⊀²28'00	
evening rise	13484 Nov 29 00:26	27 <b>メ</b> ・30 30		evening rise	13485 Nov 21 04:26	12 x 28 00 0°る	
desc. node	13484 Dec 12 13:16	25° <b>පි</b> 18'56		desc. node	13485 Nov 29 10:22	13° <b>る</b> 33'09	
	13484 Dec 15 14:16	0° <b>≈</b>		evening max el	13485 Dec 08 22:17	25° <b>る</b> 00'25	25°07'39
evening max el	13484 Dec 27 06:09	14° <b>≈</b> 15'32	26°28'35	Č	13485 Dec 15 14:30	0° <b>≈</b>	
retrograde	13485 Jan 10 05:10	21° <b>≈</b> 22'15		retrograde	13485 Dec 22 17:48	1° <b>≈</b> 55'57	
evening set	13485 Jan 16 16:47	19° <b>≈</b> 39'52		evening set	13485 Dec 28 10:38	0° <b>≈</b> 42'53	
min. Earth dist.	13485 Jan 20 19:52	17° <b>≈</b> 03'08	0.58697 AU		13485 Dec 29 23:55	30°Ŗる	
inferior conj	13485 Jan 23 23:15	14° <b>≈</b> 41′08		min. Earth dist.	13486 Jan 02 10:16		0.56729 AU
minimum elong	13485 Jan 24 07:27	14° <b>≈</b> 25'37	3°51'59	inferior conj	13486 Jan 05 02:52	26°る15'09	
morning rise	13485 Feb 01 01:07	10°≈09'06		minimum elong	13486 Jan 05 11:11	26°る01'30	5~06'58
direct	13485 Feb 03 02:02	9°≈54'42		morning rise	13486 Jan 13 14:05	22°る05'13 21°る50'52	
asc. node morning max el	13485 Feb 05 17:21 13485 Feb 11 03:23	10°≈20'03 13°≈53'15	18°23'45	direct asc. node	13486 Jan 15 19:43 13486 Jan 23 14:43	21°650'52 24° <b>る</b> 59'23	
morning max ci	13485 Feb 22 01:59	13 ≈33 13 0° <b>)</b>	10 43 43	morning max el	13486 Jan 25 04:01	24 <b>3</b> 3923 26° <b>る</b> 22'30	19°14'01
morning set	13485 Feb 26 22:56	9° <b>₩</b> 08'15		morning max or	13486 Jan 28 09:13	0°≈	1, 1101
	12.121.100 20 22.00	, ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		morning set	13486 Feb 10 23:48	23° <b>≈</b> 33'01	
superior conj	13485 Mar 08 04:02	26° <b>∺</b> 30'51	0°19'31	<b>5</b> .	13486 Feb 14 05:27	0° <b>∀</b>	
minimum elong	13485 Mar 08 05:25	26° <b>)</b> €37'12	0°19'27				
	13485 Mar 10 02:01	0° <b>Υ</b>		superior conj	13486 Feb 19 05:28	9° <b>¥</b> 50′12	0°49'04
desc. node	13485 Mar 10 14:31	0° <b>Ƴ</b> 56'18		minimum elong	13486 Feb 19 08:06	10° <b>米</b> 02'52	0°49'06

JJ.	12496 E-L 25 11.02	2101/21/50			12407 E-L 05 22.02	001	
desc. node	13486 Feb 25 11:03	21° <b>)</b> (31'50	1 20 400 411	P. d. F.	13487 Feb 05 23:03	0° <b>)</b> {	1 2/207 411
max. Earth dist.	13486 Feb 25 23:10	22° <b>)</b> (26'41	1.38488 AU	max. Earth dist.	13487 Feb 08 06:36	4° <b>¥</b> 29'39	1.36297 AU
evening rise	13486 Mar 01 16:59	29° <b>)</b> €04'15		evening rise	13487 Feb 12 02:22	11° <b>¥</b> 39'17	
	13486 Mar 02 05:52	0° <b>Υ</b>		desc. node	13487 Feb 12 07:38	12° <b>米</b> 03′20	
	13486 Mar 21 11:24	0°8			13487 Feb 22 19:34	0° <b>Υ</b>	
evening max el	13486 Apr 06 00:34	19° <b>8</b> 07'16	24°46'44		13487 Mar 16 17:17	0°8	
retrograde	13486 Apr 17 18:13	25° <b>8</b> 57'58		evening max el	13487 Mar 19 13:58	2° <b>8</b> 57'54	25°58'12
asc. node	13486 Apr 21 11:18	24° <b>8</b> 57'49		retrograde	13487 Apr 01 05:08	10° <b>8</b> 12'26	
evening set	13486 Apr 23 09:42	23° <b>8</b> 35'50		evening set	13487 Apr 07 07:47	7° <b>8</b> 42'30	
min. Earth dist.	13486 Apr 27 21:20	18° <b>8</b> 31'41	0.68274 AU	asc. node	13487 Apr 08 08:42	6° <b>8</b> 46'33	
inferior conj	13486 Apr 28 23:20	17° <b>8</b> 05'27	2°08'19	min. Earth dist.	13487 Apr 11 12:45	3° <b>8</b> 13'38	0.67285 AU
minimum elong	13486 Apr 28 21:11	17° <b>8</b> 12'37	2°07'02	inferior conj	13487 Apr 13 03:13	1° <b>8</b> 13'09	1°26'40
morning rise	13486 May 04 08:54	11° <b>8</b> 08'15		minimum elong	13487 Apr 13 01:21	1° <b>8</b> 19'01	1°25'35
direct	13486 May 08 02:57	9° <b>8</b> 47'33			13487 Apr 14 02:47	30° <b>₹Ƴ</b>	
morning max el	13486 May 15 10:04	13° <b>8</b> 49'50	19°38'33	morning rise	13487 Apr 18 19:37	25° <b>Y</b> 25'51	
desc. node	13486 May 24 13:05	25° <b>8</b> 09'33		direct	13487 Apr 22 02:24	24° <b>Ƴ</b> '24'28	
	13486 May 27 22:00	0°Щ		morning max el	13487 Apr 28 18:30	27° <b>Y</b> ′59'43	18°45'24
greatest brilliancy	13486 May 28 02:27	0°∏16'19	-0.6m		13487 Apr 30 15:50	0°8	
morning set	13486 Jun 10 06:34	20° <b>I</b> 108'23	0.0111	desc. node	13487 May 11 09:51	14° <b>8</b> 55'24	
morning set	13486 Jun 16 15:35	0°95		morning set	13487 May 20 17:45	29° <b>8</b> 21'54	
max. Earth dist.	13486 Jun 21 22:25	8° <b>©</b> 17'25	1.44879 AU	morning set	13487 May 21 03:32	0°Ⅱ	
max. Earth dist.	15460 Juli 21 22.25	8 31/23	1.44679 AU	may Earth dist	13487 Jun 04 16:15	22° <b>Ⅱ</b> 39'35	1.45702 AU
	12406 1 26 10 56	1.50600000	2010126	max. Earth dist.	1348/ Jun 04 16:15	22°Щ39'33	1.45/02 AU
superior conj	13486 Jun 26 10:56	15°529'23			12407 1 05 22 24	2 10 H 12102	2011127
minimum elong	13486 Jun 26 14:56	15° <b>©</b> 45'27	2°11'19	superior conj	13487 Jun 05 23:34	24° <b>Ⅱ</b> 42'03	
	13486 Jul 05 08:20	$0$ $^{\circ}\Omega$		minimum elong	13487 Jun 05 20:07	24° <b>Ⅱ</b> 28'34	2°12'33
evening rise	13486 Jul 10 06:49	8° <b>Ω</b> 14'52			13487 Jun 09 08:39	$0$ $\circ$	
asc. node	13486 Jul 18 10:04	21° <b>Ω</b> 48'51		evening rise	13487 Jun 21 08:11	19° <b>©</b> 01'42	
	13486 Jul 23 17:57	0° <b>m</b> y		greatest brilliancy	13487 Jun 27 12:28	28° <b>©</b> 55'58	-0.9m
evening max el	13486 Jul 28 10:44	5° <b>m</b> 44'41	18°09'30		13487 Jun 28 04:32	$0$ $^{\circ}$ $\Omega$	
retrograde	13486 Aug 03 19:21	9° <b>™</b> 05'29		asc. node	13487 Jul 05 06:52	10° <b>Ω</b> 55'51	
evening set	13486 Aug 06 15:11	8° <b>m</b> ) 23'15		evening max el	13487 Jul 11 23:39	19° <b>Ω</b> 23'13	18°34'01
inferior conj	13486 Aug 12 17:41	3° m/03'08	2°07'20	retrograde	13487 Jul 18 11:43	22° <b>Ω</b> 54'09	
minimum elong	13486 Aug 12 20:11	2° m 56'11	2°06'06	evening set	13487 Jul 21 16:10	21° <b>Ω</b> 56'43	
min. Earth dist.	13486 Aug 15 08:34	0° mp 10'08	0.63420 AU	inferior conj	13487 Jul 27 08:46	16° <b>Ω</b> 21′00	2°44'30
	13486 Aug 15 12:23	30° <b>₽.Ω</b>		minimum elong	13487 Jul 27 10:50	16° <b>Ω</b> 14'44	2°43'19
morning rise	13486 Aug 18 23:22	26° <b>Ω</b> 48'12		min. Earth dist.	13487 Jul 29 09:45	13° <b>Ω</b> 52'34	0.65377 AU
desc. node	13486 Aug 20 11:10	25° <b>Ω</b> 47'18		morning rise	13487 Aug 02 04:24	9° <b>Ω</b> 58'12	
direct	13486 Aug 25 15:00	24° <b>Ω</b> 16'31		desc. node	13487 Aug 07 08:37	7° <b>Ω</b> 24'04	
	13486 Sep 06 03:01	0°m		direct	13487 Aug 08 15:09	7°Ω18'12	
morning max el	13486 Sep 08 13:22	2° Mp 17'57	27°46'26	morning max el	13487 Aug 22 00:22	15°Ω11'54	27°01'52
morning max er	13486 Sep 29 03:13	2° <u>م</u> 0° <u>م</u>	27 40 20	morning max cr	13487 Sep 03 03:38	0° m)	27 0132
morning set	13486 Oct 13 06:18	o <b>_</b> 25° <b>_</b> 39'11			13487 Sep 21 21:22	0∘ <del>ত</del> الم	
asc. node	13486 Oct 14 11:59	23° <b>⊆</b> 3911 28° <b>⊆</b> 09'20		morning got	•	0 <b>=</b> 8° <b>£</b> 52'54	
asc. node				morning set	13487 Sep 26 15:27		1 22641 ATT
Double died	13486 Oct 15 09:34	0°M	1 22204 ATT	max. Earth dist.	13487 Sep 30 22:03 13487 Oct 01 08:34	17° <b>£</b> 19'58	1.33641 AU
max. Earth dist.	13486 Oct 18 05:50	2,1162/30	1.32294 AU	asc. node	1348/ Oct 01 08:34	18° <b>≏</b> 13'26	
	101060 - 01 01 10	1007 00146	00.5011.4		121070 . 05 02 17	260 2 06121	002 512 0
superior conj	13486 Oct 21 01:42	12°M02'46	0°59'14	superior conj	13487 Oct 05 03:47	26° <b>2</b> 06'31	0°35'28
minimum elong	13486 Oct 20 23:27	11°M50'33	0°59'28	minimum elong	13487 Oct 05 02:05	25° <b>≏</b> 57'30	0°35'30
evening rise	13486 Oct 27 22:28	27°M00'36			13487 Oct 06 23:50	0° <b>M</b>	
	13486 Oct 29 08:07	0° <b>∡</b>		evening rise	13487 Oct 12 08:54	11° <b>M</b> 28'41	
	13486 Nov 15 17:30	0°ප			13487 Oct 21 19:36	0° <b>∡</b>	
desc. node	13486 Nov 16 07:34	0° <b>る</b> 43'24		evening max el	13487 Nov 01 21:02	15° <b>∡</b> 11'30	21°47'43
evening max el	13486 Nov 20 08:26	5° <b>る</b> 07'51	23°28'08	desc. node	13487 Nov 03 04:51	16° <b>∡</b> ¹25'42	
retrograde	13486 Dec 03 17:53	11° <b>る</b> 47'46		retrograde	13487 Nov 14 07:20	21° <b>х</b> 21'26	
evening set	13486 Dec 08 05:02	11° <b>る</b> 04'25		evening set	13487 Nov 17 08:59	21° <b>尽</b> 00'14	
min. Earth dist.	13486 Dec 14 18:37	7° <b>る</b> 57'30	0.55249 AU	inferior conj	13487 Nov 26 03:59	17° <b>∡</b> ¹06'11	-5°43'34
inferior conj	13486 Dec 16 10:20	6° <b>る</b> 59'25	-5°53'19	minimum elong	13487 Nov 25 22:01	17° <b>∡</b> 14'32	5°41'52
minimum elong	13486 Dec 16 13:15	6° <b>る</b> 55'09	5°52'07	min. Earth dist.	13487 Nov 26 00:53	17° <b>∡</b> °10'31	0.54535 AU
morning rise	13486 Dec 24 23:11	3° <b>ප</b> 07'16		morning rise	13487 Dec 04 12:01	13° <b>∡</b> 18'33	
direct	13486 Dec 27 17:56	2° <b>ප්</b> 48'31		direct	13487 Dec 08 03:12	12° <b>∡</b> ¹49'39	
morning max el	13487 Jan 07 15:27	8° <b>る</b> 00'56	20°27'16	morning max el	13487 Dec 20 12:36	18° <b>∡</b> ¹45'50	22°01'57
asc. node	13487 Jan 10 11:59	11° <b>る</b> 05'30	*	asc. node	13487 Dec 28 09:09	28°×720'22	,,
	13487 Jan 22 04:52	0°≈		200. 11000	13487 Dec 29 11:25	0°る	
morning set	13487 Jan 26 06:40	0 ∞ 8°≈11'45		morning set	13488 Jan 10 16:59	22° <b>る</b> 56'32	
morning set	13-10 / Jan 20 00.40	0 ~1143		morning set	13488 Jan 14 00:39	0° <b>≈</b>	
superior conj	13487 Feb 02 19:50	23° <b>≈</b> 44'26	1°11'30		13700 Jan 14 00.39	∪ <b>~</b> ~	
		23°≈44°26 23°≈57'57		superior con-	13488 Jan 17 19:22	8°000112	1026155
minimum elong	13487 Feb 02 22:30	∠s ≈s/3/	1 11 31	superior conj	13400 Jall 1/ 19:22	8° <b>≈</b> 02'13	1 40 33

minimum elong	13488 Jan 17 21:22	8° <b>≈</b> 12'47	1°27'37		13488 Dec 21 12:15	5°0	
max. Earth dist.	13488 Jan 21 19:26	16° <b>≈</b> 19'44	1.34377 AU	morning set	13488 Dec 25 04:47	7° <b>る</b> 41'59	
evening rise	13488 Jan 26 03:11	24° <b>≈</b> 52'33					
	13488 Jan 28 20:22	0° <b>)</b>		superior conj	13489 Jan 01 01:08	22° <b>る</b> 35'18	1°35'40
desc. node	13488 Jan 30 04:15	2° <b>¥</b> 26′11		minimum elong	13489 Jan 01 02:08	22° <b>る</b> 40'41	1°36'38
	13488 Feb 16 07:54	$0^{\circ}$ Y		max. Earth dist.	13489 Jan 03 16:17	28° <b>る</b> 15'08	1.32863 AU
evening max el	13488 Mar 01 03:37	16° <b>Ƴ</b> 40'07	26°54'17		13489 Jan 04 12:03	0° <b>≈</b>	
retrograde	13488 Mar 14 10:32	24° <b>Y</b> ′06′14		evening rise	13489 Jan 08 16:02	8° <b>≈</b> 35'22	
evening set	13488 Mar 20 22:48	21° <b>Y</b> 33'54		desc. node	13489 Jan 16 00:56	22° <b>≈</b> 35'41	
min. Earth dist.	13488 Mar 24 22:23	17° <b>Ƴ</b> 38'42	0.65886 AU		13489 Jan 20 07:36	0° <b>∀</b>	
asc. node	13488 Mar 25 06:08	17° <b>Y</b> 16'36		evening max el	13489 Feb 11 16:38		27°27'33
inferior conj	13488 Mar 27 01:06	15° <b>Y</b> 11'44			13489 Feb 11 15:09	0° <b>Υ</b>	
minimum elong	13488 Mar 27 00:12	15° <b>Y</b> 14′20	0°33'26	retrograde	13489 Feb 25 09:14	7° <b>Y</b> ′30′33	
morning rise	13488 Apr 02 02:59	9° <b>Υ</b> 36'06		evening set	13489 Mar 04 04:29	5° <b>Υ</b> 02'17	0.64106.477
direct	13488 Apr 04 23:42	8°Υ51'15	10000154	min. Earth dist.	13489 Mar 08 00:11	1° <b>Υ</b> 38'03	0.64136 AU
morning max el	13488 Apr 11 08:36	12° <b>Y</b> 12'05	18°08'54		13489 Mar 09 13:44	30° <b>₹</b> ₩	0020111
	13488 Apr 24 03:24	0°8		inferior conj	13489 Mar 10 14:22	28° <b>)</b> 54'41	
desc. node	13488 Apr 27 06:32	5° <b>と</b> 01'23 9° <b>と</b> 52'08		minimum elong	13489 Mar 10 15:18	28° <b>)</b> 52'14 27° <b>)</b> 18'42	0°29'41
morning set	13488 Apr 30 06:36 13488 May 12 21:16	9° <b>∐</b>		asc. node	13489 Mar 12 03:37 13489 Mar 17 04:14	23°\(\)33'05	
	15466 May 12 21.10	υщ		morning rise direct	13489 Mar 19 16:21	23° <b>∺</b> 01′22	
superior conj	13488 May 15 08:03	3° <b>П</b> 50'58	1052144	morning max el	13489 Mar 26 01:51	26°\(\)19'10	17°49'31
minimum elong	13488 May 14 23:14	3° <b>П</b> 16'24		morning max er	13489 Mar 29 06:46	20 <b>γ</b> (1910	17 49 31
max. Earth dist.	13488 May 17 12:01	7° <b>Ⅱ</b> 14'20	1.45785 AU	morning set	13489 Apr 11 23:23	21° <b>Υ</b> '43'19	
evening rise	13488 May 31 10:14	28° <b>I</b> 53'00	1.43703710	desc. node	13489 Apr 14 03:07	25° <b>Υ</b> 21'20	
evening noe	13488 Jun 01 03:31	0.8e		dese. node	13489 Apr 16 21:38	0°8	
greatest brilliancy	13488 Jun 12 09:33	17° <b>©</b> 16'26	-0.7m		13 103 11pt 10 21.30	ů O	
asc. node	13488 Jun 21 03:46	29°532'48	0.7111	superior conj	13489 Apr 25 05:23	13° <b>8</b> 39'17	-1°18'56
	13488 Jun 21 12:39	$0^{\circ}\Omega$		minimum elong	13489 Apr 24 21:29	13° <b>8</b> 07'27	
evening max el	13488 Jun 24 08:44	3° <b>Ω</b> 09'32	19°15'33	max. Earth dist.	13489 Apr 30 07:30	21° <b>8</b> 46'23	1.45133 AU
retrograde	13488 Jul 01 08:31	7° <b>Ω</b> 03'02			13489 May 05 13:35	0°II	
evening set	13488 Jul 04 22:08	5° <b>Ω</b> 49'07		evening rise	13489 May 10 22:27	8° <b>Ⅱ</b> 16'37	
inferior conj	13488 Jul 10 08:18	29° <b>5</b> 59'20	3°05'17		13489 May 25 10:13	$0$ $\circ$ $\mathfrak{S}$	
minimum elong	13488 Jul 10 09:27	29° <b>©</b> 55'36	3°04'12	evening max el	13489 Jun 07 12:21	16° <b>9</b> 58'11	20°12'34
	13488 Jul 10 08:06	30° <b>₹</b> 5		asc. node	13489 Jun 08 00:47	17° <b>©</b> 28'42	
min. Earth dist.	13488 Jul 11 18:45	28° <b>©</b> 07'17	0.66956 AU	retrograde	13489 Jun 15 07:13	21° <b>5</b> 25'29	
morning rise	13488 Jul 15 20:11	23° <b>©</b> 35'06		evening set	13489 Jun 19 06:40	19° <b>©</b> 54'33	
direct	13488 Jul 21 22:15	20° <b>©</b> 56'35		inferior conj	13489 Jun 24 13:26	13° <b>©</b> 51'56	3°12'27
desc. node	13488 Jul 24 06:00	21° <b>©</b> 16'32		minimum elong	13489 Jun 24 13:33	13° <b>©</b> 51'33	3°11'25
morning max el	13488 Aug 03 11:17	28° <b>©</b> 26'43	25°52'38	min. Earth dist.	13489 Jun 25 09:39	12° <b>5</b> 43'04	0.68089 AU
	13488 Aug 04 22:58	$0$ $\circ$ $\Omega$		morning rise	13489 Jun 29 20:06	7° <b>5</b> 30'20	
	13488 Aug 26 21:40	0° <b>™</b>		direct	13489 Jul 05 10:55	5° <b>5</b> 01'43	
morning set	13488 Sep 08 11:02	21°M)28'15		desc. node	13489 Jul 11 03:17	7° <b>©</b> 00'47	
max. Earth dist.	13488 Sep 12 04:05	28° m/25'38	1.35488 AU	morning max el	13489 Jul 16 21:28	11°952'57	24°28'24
_	13488 Sep 12 23:43	0∘ <b>⊽</b>			13489 Jul 31 10:09	$0^{\circ}\Omega$	
asc. node	13488 Sep 17 05:08	8° <b>ഫ</b> 20'25			13489 Aug 19 15:42	0° <b>m</b> )	
	12400 0 17 21 50	00 0 45104	0007127	morning set	13489 Aug 21 12:43	3° Mp 14'15	1 27704 ATT
superior conj	13488 Sep 17 21:58	9° <b>£</b> 45'24 9° <b>£</b> 43'27	0°06'37 0°06'37	max. Earth dist.	13489 Aug 25 03:11	9° <b>m</b> 37'40	1.37704 AU
minimum elong behind sun begin	13488 Sep 17 21:35 13488 Sep 17 15:58	9° <b>£</b> 4327	0 0037	aumorior coni	12400 Can 01 04:50	22° m 50'59	0026121
behind sun end	13488 Sep 17 13.38 13488 Sep 18 03:13	9 <b>≥</b> 13 00 10° <b>♀</b> 11'57		superior conj minimum elong	13489 Sep 01 04:58 13489 Sep 01 06:46	22° m 59'36	0°26'15
evening rise	13488 Sep 25 16:37	25° <b>Ω</b> 47'30		asc. node	13489 Sep 01 00:40 13489 Sep 04 01:42	28° My 26'14	0 2013
evening rise	13488 Sep 27 17:59	0°M		asc. node	13489 Sep 04 20:41	ე∘ <u>ი</u>	
evening max el	13488 Oct 13 21:04	25°M47'06	20°21'04	evening rise	13489 Sep 09 19:13	ა <b>–</b> 9° <b>ჲ</b> 50'31	
evening max er	13488 Oct 19 14:37	0° <b>⊼</b>	20 21 0 1	evening rise	13489 Sep 20 20:07	0° <b>M</b>	
desc. node	13488 Oct 20 02:12	0° <b>✓</b> 13'00		evening max el	13489 Sep 26 11:16	7° <b>ጤ</b> 10'11	19°15'05
retrograde	13488 Oct 24 18:37	1° <b>∡</b> 12'09		retrograde	13489 Oct 05 17:07	11° <b>M</b> 47'50	
evening set	13488 Oct 26 21:50	1° <b>х</b> 00′39		desc. node	13489 Oct 06 23:39	11° <b>M</b> .42'55	
2	13488 Oct 30 06:55	30°RM		evening set	13489 Oct 07 13:43	11°MJ37'25	
inferior conj	13488 Nov 04 20:55	27°M04'36	-4°35'29	inferior conj	13489 Oct 16 03:00	7° <b>M</b> 27'01	-2°51'44
minimum elong	13488 Nov 04 10:49	27° <b>™</b> 19'25	4°31'52	minimum elong	13489 Oct 15 19:40	7° <b>M</b> 39'13	2°48'27
min. Earth dist.	13488 Nov 06 08:03	26°M13'02	0.54757 AU	min. Earth dist.	13489 Oct 18 18:40	5° <b>M</b> 41'33	0.55873 AU
morning rise	13488 Nov 12 23:09	23°M02'15		morning rise	13489 Oct 23 23:08	2°M52'58	
direct	13488 Nov 17 12:51	22°M17'08		direct	13489 Oct 29 08:56	1° <b>M</b> 46'07	
morning max el	13488 Nov 30 23:54	28°M52'26	23°49'48	morning max el	13489 Nov 12 10:11	8°M53'04	25°34'49
	13488 Dec 02 03:29	0° <b>∡</b> ¹			13489 Nov 28 03:54	0° <b>∡</b> ¹	
asc. node	13488 Dec 14 06:14	16° <b>∡</b> ¹28'07		asc. node	13489 Dec 01 03:13	5° <b>∡</b> 15'34	

direct

13491 Oct 06 13:24

0∘**ত** 

asc. node

13490 Nov 18 00:05

13490 Nov 20 18:15

0°×7

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morning max el	13491 Oct 07 02:29	0° <b>ჲ</b> 31'45	27°47'23		13492 Oct 02 07:33	0∘ <b>ত</b>	
	13491 Oct 28 07:30	0° <b>M</b>			13492 Oct 19 17:29	0°M₊	
asc. node	13491 Nov 04 20:52	14°MJ09'12		asc. node	13492 Oct 21 17:34	4° <b>M</b> 00'41	
morning set	13491 Nov 08 07:30	21°M12'43		morning set	13492 Oct 22 07:13	5° <b>M</b> 10′16	
	13491 Nov 12 09:29	0° <b>∡</b> ¹		max. Earth dist.	13492 Oct 27 16:48	16°M35'10	1.31757 AU
max. Earth dist.	13491 Nov 14 12:07	4° <b>∡</b> °39'57	1.31248 AU				
				superior conj	13492 Oct 29 19:06	21°M10'12	1°10'26
superior conj	13491 Nov 15 09:40	6° <b>∡</b> ³39'54	1°25'26	minimum elong	13492 Oct 29 16:50	20°M57'46	1°10'50
minimum elong	13491 Nov 15 07:47	6° <b>∡</b> ¹29'25	1°26'08		13492 Nov 02 19:07	0° <b>∡</b> ¹	
evening rise	13491 Nov 22 02:28	21° <b>∡</b> ¹27'54		evening rise	13492 Nov 05 13:09	6° <b>₰</b> 00'14	
	13491 Nov 26 04:22	0°ಕ			13492 Nov 17 23:34	0°ಕ	
desc. node	13491 Dec 07 15:38	20° <b>る</b> 31'28		desc. node	13492 Nov 23 12:46	8° <b>る</b> 21'05	
	13491 Dec 14 11:01	0° <b>≈</b>		evening max el	13492 Nov 30 17:25	16° <b>る</b> 42'39	24°26'39
evening max el	13491 Dec 20 04:23	6°≈16'07	25°57'19	retrograde	13492 Dec 14 10:14	23° <b>る</b> 32'32	
retrograde	13492 Jan 03 02:41	13°≈19'07		evening set	13492 Dec 19 15:17	22°る32'50	0.50000 177
evening set	13492 Jan 09 07:36	11° <b>≈</b> 48'34	0.57021 411	min. Earth dist.	13492 Dec 25 05:05		0.56022 AU
min. Earth dist.	13492 Jan 13 17:22	9° <b>≈</b> 11'40	0.57821 AU	inferior conj	13492 Dec 27 12:37	18°る16'00	
inferior conj	13492 Jan 16 17:52 13492 Jan 17 02:38	7°≈03'07 6°≈47'31		minimum elong	13492 Dec 27 19:24 13493 Jan 05 01:32	18°る05'27 14°る14'13	5°31'24
minimum elong	13492 Jan 17 02:38 13492 Jan 25 00:33	0°≈47'31 2°≈40'54	4-2547	morning rise direct	13493 Jan 03 01:32 13493 Jan 07 11:31	13°る58'38	
morning rise direct	13492 Jan 27 02:22	2 ≈40 34 2°≈27'08		morning max el	13493 Jan 17 11:27	13 <b>3</b> 3838 18° <b>る</b> 47'31	10042115
asc. node	13492 Jan 31 19:55	2 ∞27 08 3°≈43'20		asc. node	13493 Jan 17 17:13	18 84731 19° <b>る</b> 01'37	19 42 13
morning max el	13492 Feb 04 16:04	6°≈38'40	18°42'20	asc. node	13493 Jan 25 21:20	0°≈	
morning max ci	13492 Feb 19 11:40	0° <b>∺</b>	10 42 20	morning set	13493 Feb 03 23:16	0 <b>~</b> 17° <b>≈</b> 06'07	
morning set	13492 Feb 20 19:29	2° <b>)</b> 34'10		morning sec	13493 Feb 10 08:27	0° <b>∀</b>	
morning sec	10.02100 20 10.20	2 7(3.10			15 1,55 1 00 10 00.27	٠,٨	
superior conj	13492 Feb 29 13:44	19° <b>¥</b> 26'31	0°32'53	superior conj	13493 Feb 11 21:10	3° <b>¥</b> 02'17	0°59'26
minimum elong	13492 Feb 29 15:49	19° <b>)</b> 36′18	0°32'50	minimum elong	13493 Feb 11 23:55	3° <b>)</b> €15'54	
desc. node	13492 Mar 04 16:42	27° <b>₩</b> 02'11		max. Earth dist.	13493 Feb 18 02:17	14° <b>¥</b> 56'16	1.37539 AU
	13492 Mar 06 08:24	$0^{\circ}$ Y		desc. node	13493 Feb 19 13:14	17° <b>¥</b> 36'48	
max. Earth dist.	13492 Mar 07 19:59	2° <b>Y</b> 36'52	1.39791 AU	evening rise	13493 Feb 21 19:35	21° <b>)</b> 41′04	
evening rise	13492 Mar 11 20:37	9° <b>Y</b> 31'34			13493 Feb 26 15:13	$0^{\circ}$ $\Upsilon$	
	13492 Mar 24 18:40	$0^{\circ}$ 8			13493 Mar 18 16:21	$0^{\circ}$ 8	
evening max el	13492 Apr 15 17:19	28° <b>8</b> 28'18	24°01'36	evening max el	13493 Mar 29 06:56	12° <b>8</b> 21'51	25°18'38
	13492 Apr 17 07:49	$\Pi$ °0		retrograde	13493 Apr 10 10:32	19° <b>8</b> 23'59	
retrograde	13492 Apr 26 20:50	5° <b>Ⅱ</b> 01'06		asc. node	13493 Apr 15 13:49	17° <b>8</b> 32'02	
asc. node	13492 Apr 28 16:28	4° <b>Ⅱ</b> 46'17		evening set	13493 Apr 16 06:46	16° <b>8</b> 58'19	
evening set	13492 May 02 05:30	2° <b>Ⅱ</b> 45'23		min. Earth dist.	13493 Apr 20 15:30		0.67904 AU
	13492 May 04 20:26			inferior conj	13493 Apr 21 22:43	10° <b>8</b> 27'43	
min. Earth dist.	13492 May 06 21:37		0.68637 AU	minimum elong	13493 Apr 21 20:37	10° <b>8</b> 34'35	1°50'46
inferior conj	13492 May 07 16:24	26° <b>8</b> 16'22		morning rise	13493 Apr 27 10:50	4° <b>8</b> 34'16	
minimum elong	13492 May 07 14:19	26° <b>8</b> 23'27	2°26'14	direct	13493 Apr 30 24:00	3° <b>8</b> 21'55	10012152
morning rise direct	13492 May 12 23:12	20° <b>8</b> 13'52 18° <b>8</b> 41'24		morning max el desc. node	13493 May 07 23:42 13493 May 18 15:22	7° <b>8</b> 11'10 20° <b>8</b> 51'37	19°13'53
morning max el	13492 May 17 00:03 13492 May 24 19:29	23° <b>8</b> 05'40	20°16'05	greatest brilliancy	13493 May 20 20:14	20 <b>8</b> 3137 24° <b>8</b> 06'25	-0.7m
morning max cr	13492 May 30 18:03	0°Ⅱ	20 10 03	greatest offinality	13493 May 24 18:13	24 <b>О</b> 00 23	-0.7111
desc. node	13492 May 31 18:32	1° <b>Ⅱ</b> 20'11		morning set	13493 Jun 01 02:57	11° <b>Ⅱ</b> 16'50	
dese. Hode	13492 Jun 20 09:06	0°95		morning sec	13493 Jun 13 04:12	0°95	
morning set	13492 Jun 21 24:00	2° <b>5</b> 29'34		max. Earth dist.	13493 Jun 14 05:56		1.45319 AU
max. Earth dist.	13492 Jul 01 14:12	17° <b>©</b> 32'23	1.44085 AU				
				superior conj	13493 Jun 17 12:03	6° <b>©</b> 48'57	-2°13'24
superior conj	13492 Jul 07 13:49	27° <b>©</b> 14'04	-2°01'17	minimum elong	13493 Jun 17 13:10	6°\$53'22	2°14'26
minimum elong	13492 Jul 07 20:19	27°5940'43	2°01'49	-	13493 Jul 01 20:31	$0^{\circ}\Omega$	
	13492 Jul 09 06:03	$0^{\circ}\Omega$		evening rise	13493 Jul 02 00:56	0° <b>Ω</b> 18'10	
evening rise	13492 Jul 20 09:27	18° <b>Q</b> 55'42		asc. node	13493 Jul 12 12:20	17° <b>Ω</b> 20′18	
asc. node	13492 Jul 25 15:35	27° <b>Ω</b> 59'29		evening max el	13493 Jul 21 03:32	28° <b>Ω</b> 52'44	18°17'49
	13492 Jul 26 20:01	0° <b>™</b>			13493 Jul 22 08:59	0° <b>™</b>	
evening max el	13492 Aug 06 13:22	$15^{\circ}$ Mp $20^{\circ}$ 38	18°03'34	retrograde	13493 Jul 27 12:22	2° Mp 15'51	
retrograde	13492 Aug 13 00:09	18° <b>m</b> 41'31		evening set	13493 Jul 30 11:56	1° <b>m</b> 27'13	
evening set	13492 Aug 15 15:09	18° <b>m</b> ) 07'14			13493 Aug 01 13:40	30°R <b>Ω</b>	
inferior conj	13492 Aug 22 01:04	12° <b>m</b> 57'21	1°37'14	inferior conj	13493 Aug 05 09:47	26° <b>Ω</b> 00'22	
minimum elong	13492 Aug 22 03:25	12° <b>m</b> 51'16	1°36'04	minimum elong	13493 Aug 05 12:11	25° <b>Ω</b> 53'25	
min. Earth dist.	13492 Aug 24 23:07	9° Mp 57'18	0.62167 AU	min. Earth dist.	13493 Aug 07 18:56	23° <b>Ω</b> 16'09	0.64298 AU
desc. node	13492 Aug 27 16:13	7° m 30'39		morning rise	13493 Aug 11 10:58	19° <b>Ω</b> 41'27	
morning rise	13492 Aug 28 13:19	6° TD 50'53		desc. node	13493 Aug 14 13:43	17° <b>Ω</b> 47'37	
direct	13492 Sep 04 05:40	4° Mp 27'51	27057127	direct	13493 Aug 18 01:14	17° <b>Ω</b> 05'00	27021102
morning max el	13492 Sep 18 08:36	12° Mp 28'22	21 3121	morning max el	13493 Aug 31 18:28	25° <b>Ω</b> 04'07	2/ 31/03

	13493 Sep 05 06:23	0° m/y		direct	13494 Aug 01 04:16	0° <b>Ω</b> 23'16	
	13493 Sep 25 19:05	0∘ <del>⊽</del>		desc. node	13494 Aug 01 11:08	0°Ω23'34	
morning set	13493 Oct 05 22:31	18° <b>Ω</b> 41'45		morning max el	13494 Aug 14 05:40	8° <b>Ω</b> 08'12	26°34'57
asc. node	13493 Oct 08 14:12	24° <b>≏</b> 01'24		5 5	13494 Aug 31 07:01	0° m)	
max. Earth dist.	13493 Oct 10 14:28	28° <b>ჲ</b> 10'33	1.32805 AU		13494 Sep 18 05:04	0∘ <u>⊽</u>	
	13493 Oct 11 11:21	0°M₊		morning set	13494 Sep 19 02:22	1° <b>≏</b> 40'01	
				max. Earth dist.	13494 Sep 23 02:33	9° <b>≏</b> 25'16	1.34372 AU
superior conj	13493 Oct 14 00:31	5°M25'26	0°49'49	asc. node	13494 Sep 25 10:47	14° <b>≙</b> 07'07	
minimum elong	13493 Oct 13 22:25	5° <b>M</b> ₊14'06	0°49'57		-		
evening rise	13493 Oct 21 00:13	20°M31'29		superior conj	13494 Sep 27 23:36	19° <b>≙</b> 19'20	0°23'48
	13493 Oct 25 13:43	0° <b>∡</b> ¹		minimum elong	13494 Sep 27 22:21	19° <b>≏</b> 12'50	0°23'49
desc. node	13493 Nov 10 09:59	24° <b>₹</b> ′57′06			13494 Oct 03 01:29	$0^{\circ}$ M	
evening max el	13493 Nov 12 03:31	26° <b>х</b> 44′12	22°44'33	evening rise	13494 Oct 05 09:47	4°M56'33	
	13493 Nov 16 01:11	8°0			13494 Oct 19 02:22	0° <b>∡</b> ¹	
retrograde	13493 Nov 25 04:37	3° <b>る</b> 12'36		evening max el	13494 Oct 24 20:05	6° <b>∡</b> 757'41	21°08'36
evening set	13493 Nov 29 01:20	2°る40'05		desc. node	13494 Oct 28 07:18	9° <b>∡</b> ′54′13	
	13493 Dec 05 05:15	30°₽ <b>⋌</b> 7		retrograde	13494 Nov 05 15:46	12° <b>∡</b> 50′12	
min. Earth dist.	13493 Dec 06 11:57	29° <b>∡</b> 17'13	0.54843 AU	evening set	13494 Nov 08 06:06	12° <b>∡</b> °34′21	
inferior conj	13493 Dec 07 12:58	28° <b>∡</b> ¹41'44	-5°56'39	inferior conj	13494 Nov 17 04:29	8° <b>∡</b> ¹40'48	-5°21'03
minimum elong	13493 Dec 07 12:06	28° <b>∡</b> ⁴42'59	5°55'35	minimum elong	13494 Nov 16 19:47		5°18'27
morning rise	13493 Dec 16 00:13	24° <b>₹</b> ′53'32		min. Earth dist.	13494 Nov 17 17:56	8° <b>≯</b> 21'48	0.54509 AU
direct	13493 Dec 19 03:20	24° <b>∡</b> °30′59		morning rise	13494 Nov 25 10:01	4° <b>√</b> 49'53	
morning max el	13493 Dec 30 16:28	0° <b>る</b> 01'57	21°05'11	direct	13494 Nov 29 10:51	4° <b>√</b> 14'57	
	13493 Dec 30 15:39	0° <b>ろ</b>		morning max el	13494 Dec 12 08:34	10° <b>∡</b> °27'54	22°47'06
asc. node	13494 Jan 04 14:27	5° <b>る</b> 39'03		asc. node	13494 Dec 22 11:36	23° <b>∡</b> 18'31	
	13494 Jan 18 10:55	0° <b>≈</b>			13494 Dec 26 10:31	0°ಕ	
morning set	13494 Jan 19 07:52	1° <b>≈</b> 48'33		morning set	13495 Jan 03 19:07	16° <b>る</b> 35'09	
					13495 Jan 10 00:52	0° <b>≈</b>	
superior conj	13494 Jan 26 15:48	17° <b>≈</b> 07'38	1°18'52				
minimum elong	13494 Jan 26 18:15	17° <b>≈</b> 20'16	1°19'23	superior conj	13495 Jan 10 18:21	1° <b>≈</b> 33'34	
max. Earth dist.	13494 Jan 31 11:57	26°≈53'15	1.35442 AU	minimum elong	13495 Jan 10 19:57	1°≈42'07	1°32'14
	13494 Feb 02 02:19	0° <b>)</b> {		max. Earth dist.	13495 Jan 14 04:22	8° <b>≈</b> 45'49	1.33678 AU
evening rise	13494 Feb 04 11:58	4° <b>)</b> €33'42		evening rise	13495 Jan 18 18:20	18°≈00'56	
desc. node	13494 Feb 06 09:47	8° <b>米</b> 05′11 0° <b>Υ</b>		desc. node	13495 Jan 24 06:25	28° <b>≈</b> 23'23	
	13494 Feb 19 12:09	0°γ' 26° <b>Υ</b> 10'51	26°24'24		13495 Jan 25 03:56	0° <b>ℋ</b> 0° <b>Ƴ</b>	
evening max el	13494 Mar 11 20:40 13494 Mar 16 06:35		20-24-24	arranina marral	13495 Feb 13 18:13	0° γ 9° <b>Υ</b> 46'28	27011120
		0°8 3°830'50		evening max el	13495 Feb 22 10:09	9° γ 46′28 17° <b>Υ</b> 13'49	27°11'28
retrograde	13494 Mar 24 19:00 13494 Mar 31 02:03	0° <b>8</b> 59'19		retrograde	13495 Mar 07 21:32 13495 Mar 14 13:24	1/° \ 13'49 14°\ \ 42'03	
evening set	13494 Mai 31 02.03	0 <b>3</b> 39 19 30° <b>R</b> Υ		evening set min. Earth dist.	13495 Mar 18 11:03	14 <b>γ</b> 42 03 11° <b>γ</b> 00'47	0.65191 AU
asc. node	13494 Apr 02 11:15	28° <b>Υ</b> 43'08		asc. node	13495 Mar 20 08:43	8° <b>Υ</b> 53'52	0.03191 AC
min. Earth dist.	13494 Apr 04 04:40	26°\cdot\cdot\cdot\cdot\cdot\cdot\cdot\cdot	0.66743 AU	inferior conj	13495 Mar 20 18:54	8° <b>Υ</b> 25'20	0°08'09
inferior conj	13494 Apr 06 00:20	24° <b>Υ</b> 32'30	1°05'43	minimum elong	13495 Mar 20 18:40	8° <b>Υ</b> 25'59	0°08'01
minimum elong	13494 Apr 05 22:47	24° <b>Y</b> '37'13	1°04'49	transit middle	13495 Mar 20 18:40	8° <b>Υ</b> 25'59	0°08'01
morning rise	13494 Apr 11 20:26	18° <b>Y</b> 49'51	1 01 15	transit begin	13495 Mar 20 16:03	8° <b>Υ</b> 33'18	0 00 01
direct	13494 Apr 14 22:54	17° <b>Y</b> ′55'43		transit end	13495 Mar 20 21:17	8° <b>Υ</b> 18'41	
morning max el	13494 Apr 21 10:47	21° <b>Y</b> '22'59	18°27'48	morning rise	13495 Mar 27 01:37	2°Y55'36	
5 5	13494 Apr 28 09:07	0°B		direct	13495 Mar 29 18:33	2° <b>Y</b> 16'45	
desc. node	13494 May 05 12:05	10° <b>8</b> 46'55		morning max el	13495 Apr 05 02:39	5° <b>Ƴ</b> 34'36	17°58'32
morning set	13494 May 11 23:59	21° <b>8</b> 00'37		S	13495 Apr 21 18:15	0° <b>႘</b>	
3	13494 May 17 16:54	0°II		desc. node	13495 Apr 22 08:43	0° <b>8</b> 59'28	
	,			morning set	13495 Apr 23 01:01	2° <b>8</b> 06'27	
superior conj	13494 May 27 20:39	15° <b>Ⅲ</b> 53'51	-2°05'53		•		
minimum elong	13494 May 27 14:14	15° <b>Ⅲ</b> 28'45	2°06'34	superior conj	13495 May 07 08:45	25° <b>8</b> 14'49	-1°39'42
max. Earth dist.	13494 May 28 01:28	16° <b>Ⅱ</b> 12'39	1.45838 AU	minimum elong	13495 May 06 23:38	24° <b>8</b> 38'46	1°39'35
	13494 Jun 05 21:08	0ಂತಾ			13495 May 10 09:09	$\Pi^{\circ}0$	
evening rise	13494 Jun 12 15:49	10° <b>5</b> 39'36		max. Earth dist.	13495 May 10 21:36	0° <b>Ⅱ</b> 48'50	1.45599 AU
greatest brilliancy	13494 Jun 21 16:30	24° <b>©</b> 50'54	-0.8m	evening rise	13495 May 23 10:19	20° <b>Ⅱ</b> 14'36	
-	13494 Jun 25 01:16	$0^{\circ}\Omega$			13495 May 29 19:18	$0$ $\circ$ $\odot$	
asc. node	13494 Jun 29 09:11	6° <b>Ω</b> 15′28		greatest brilliancy	13495 Jun 06 05:07	11° <b>©</b> 07'14	-0.7m
evening max el	13494 Jul 04 15:04	12° <b>Ω</b> 35′03	18°49'38	asc. node	13495 Jun 16 06:08	24° <b>©</b> 36'17	
retrograde	13494 Jul 11 07:01	16° <b>Ω</b> 13'57		evening max el	13495 Jun 17 21:52	26° <b>©</b> 22'15	19°37'59
evening set	13494 Jul 14 15:23	15° <b>Ω</b> 09'24			13495 Jun 22 20:48	$0^{\circ}\Omega$	
inferior conj	13494 Jul 20 04:49	9° <b>Ω</b> 27'18	2°55'08	retrograde	13495 Jun 25 05:01	0° <b>Ω</b> 29′17	
minimum elong	13494 Jul 20 06:31	9° <b>Ω</b> 21'57	2°53'59		13495 Jun 27 11:03	30° <b>₹</b> 5	
min. Earth dist.	13494 Jul 21 23:30	7° <b>£</b> 13′35	0.66104 AU	evening set	13495 Jun 28 22:43	29° <b>5</b> 08'04	
morning rise	13494 Jul 25 20:52	3° <b>Ω</b> 03′25		inferior conj	13495 Jul 04 07:04	23° <b>©</b> 12'23	3°09'50

minimum alana	13495 Jul 04 07:46	23° <b>©</b> 10'01	3°08'48	avanina sat	12406 Jun 12 07:45	13° <b>©</b> 18'14	
minimum elong				evening set	13496 Jun 12 07:45		2011152
min. Earth dist.	13495 Jul 05 11:19	21°538'18	0.67493 AU	inferior conj	13496 Jun 17 13:54	7°510'31	3°11'52
morning rise	13495 Jul 09 16:23	16°5548'42		minimum elong	13496 Jun 17 13:35	7°511'35	3°10'49
direct	13495 Jul 15 13:44	14°9513'45		min. Earth dist.	13496 Jun 18 04:19	6°\$20'44	0.68423 AU
desc. node	13495 Jul 19 08:30	15° <b>©</b> 06'39		morning rise	13496 Jun 22 19:08	0° <b>©</b> 50'31	
morning max el	13495 Jul 27 16:28	21° <b>5</b> 29'26	25°18'03		13496 Jun 23 20:06	30°Ŗ <b>Ⅱ</b>	
	13495 Aug 04 01:54	$0^{\circ}\Omega$		direct	13496 Jun 28 04:39	28° <b>Ⅱ</b> 27'59	
	13495 Aug 24 12:28	0° <b>m</b>			13496 Jul 03 00:58	$0$ $\circ$	
morning set	13495 Sep 01 14:54	13° <b>m</b> 55'40		desc. node	13496 Jul 05 05:45	1° <b>©</b> 30'25	
max. Earth dist.	13495 Sep 05 05:13	20° Mp 30'46	1.36393 AU	morning max el	13496 Jul 09 02:45	4° <b>©</b> 59'57	23°50'19
	13495 Sep 10 04:05	0∘ <b>亚</b>			13496 Jul 28 09:24	$0$ $^{\circ}$ $\Omega$	
				morning set	13496 Aug 13 07:37	25° <b>Ω</b> 18′02	
superior conj	13495 Sep 11 13:26	2° <b>₽</b> 44'37	-0°06'59		13496 Aug 16 01:01	0° <b>m</b> y	
minimum elong	13495 Sep 11 13:52	2° <b>₽</b> 46'46	0°06'58	max. Earth dist.	13496 Aug 17 02:54	1° <b>m</b> 53'31	1.38699 AU
behind sun begin	13495 Sep 11 08:04	2° <b>₽</b> 17'59					
behind sun end	13495 Sep 11 19:40	3° <b>₽</b> 15'36		superior conj	13496 Aug 24 14:31	15° <b>m</b> 33'25	-0°41'07
asc. node	13495 Sep 12 07:20	4° <b>₽</b> 13'44		minimum elong	13496 Aug 24 17:27	15° <b>m</b> 47'13	0°40'58
evening rise	13495 Sep 19 15:39	19° <b>ჲ</b> 09'19		asc. node	13496 Aug 29 03:55	24° <b>m</b> 18'09	
	13495 Sep 25 03:14	0° <b>M</b> .			13496 Sep 01 01:49	0∘ <b>ত</b>	
evening max el	13495 Oct 07 02:03	17°M52'03	19°50'20	evening rise	13496 Sep 02 15:14	29'29 <b>ء</b> 2	
desc. node	13495 Oct 15 04:44	22°M44'45		evening max el	13496 Sep 18 21:53	29° <b>≏</b> 36′01	18°53'43
retrograde	13495 Oct 17 06:46	22°M57'07		C	13496 Sep 19 07:43	0° <b>M</b>	
evening set	13495 Oct 19 05:13	22°M46'57		retrograde	13496 Sep 27 12:37	3°M55'21	
inferior conj	13495 Oct 28 01:34	18°M45'53	-3°53'53	evening set	13496 Sep 29 09:41	3°M43'50	
minimum elong	13495 Oct 27 16:02	19°ML00'33	3°50'05	desc. node	13496 Oct 01 02:12	3°M15'01	
min. Earth dist.	13495 Oct 30 02:25	17°M30'44	0.55120 AU	dese. Hode	13496 Oct 06 20:35	30°R <b>Ω</b>	
morning rise	13495 Nov 05 01:20	14°M31'18	0.33120710	inferior conj	13496 Oct 07 16:06	29° <b>£</b> 25'36	-2°05'00
direct	13495 Nov 09 23:40	13°M37'50		minimum elong	13496 Oct 07 10:51	29° <b>2</b> 34'56	
morning max el	13495 Nov 23 18:33	20°M28'06	24°36'05	min. Earth dist.	13496 Oct 10 15:41	27° <b>⊆</b> 19'10	0.56575 AU
morning max cr	13495 Dec 01 21:45	0° <b>√</b>	24 30 03	morning rise	13496 Oct 15 08:51	24° <b>⊆</b> 35'11	0.50575710
asc. node	13495 Dec 09 08:38	11° <b>х</b> 44'14		direct	13496 Oct 21 02:09	23° <b>2</b> 17'05	
asc. node	13495 Dec 18 16:11	0°중		direct	13496 Nov 03 15:21	0°M	
marning sat		0 8 1° <b>8</b> 19'21		mamina may al	13496 Nov 04 06:47	0°M36'22	26012152
morning set	13495 Dec 19 07:02	1 01921		morning max el			20 13 33
					12406 Mary 24 20:04		
	12405 D 26 02 05	160 <b>7</b> 11107	1027120	1	13496 Nov 24 20:04	0° <b>⊼</b> ¹	
superior conj	13495 Dec 26 02:05	16° <b>ට</b> 11'07	1°37'29	asc. node	13496 Nov 25 05:35	0° <b>∡</b> ¹44'36	
minimum elong	13495 Dec 26 02:36	16° <b>る</b> 13'59	1°38'30	asc. node morning set	13496 Nov 25 05:35 13496 Dec 02 17:53	0° <b>х</b> 44′36 15° <b>х</b> 56′28	
	13495 Dec 26 02:36 13495 Dec 28 04:15	16°පි13'59 20°පි44'32			13496 Nov 25 05:35	0° <b>∡</b> ¹44'36	
minimum elong max. Earth dist.	13495 Dec 26 02:36 13495 Dec 28 04:15 13496 Jan 01 13:09	16°ප13'59 20°ප44'32 0°≈	1°38'30	morning set	13496 Nov 25 05:35 13496 Dec 02 17:53 13496 Dec 09 03:06	0°水44'36 15°水56'28 0°중	
minimum elong max. Earth dist.	13495 Dec 26 02:36 13495 Dec 28 04:15 13496 Jan 01 13:09 13496 Jan 02 11:19	16°♂13'59 20°♂44'32 0°≈ 1°≈53'38	1°38'30	morning set superior conj	13496 Nov 25 05:35 13496 Dec 02 17:53 13496 Dec 09 03:06 13496 Dec 09 12:44	0° ₹44'36 15° ₹56'28 0° ජ 0° ජ53'41	
minimum elong max. Earth dist.	13495 Dec 26 02:36 13495 Dec 28 04:15 13496 Jan 01 13:09 13496 Jan 02 11:19 13496 Jan 11 03:09	16° ට 13'59 20° ට 44'32 0° ක 1° ක 53'38 18° ක 25'19	1°38'30	morning set superior conj minimum elong	13496 Nov 25 05:35 13496 Dec 02 17:53 13496 Dec 09 03:06 13496 Dec 09 12:44 13496 Dec 09 12:11	0°柔44'36 15°柔56'28 0°る 0°る53'41 0°る50'35	1°38'26
minimum elong max. Earth dist. evening rise desc. node	13495 Dec 26 02:36 13495 Dec 28 04:15 13496 Jan 01 13:09 13496 Jan 02 11:19 13496 Jan 11 03:09 13496 Jan 18 01:21	16°♂13'59 20°♂44'32 0°≈ 1°≈53'38 18°≈25'19 0°⊁	1°38'30 1.32351 AU	superior conj minimum elong max. Earth dist.	13496 Nov 25 05:35 13496 Dec 02 17:53 13496 Dec 09 03:06 13496 Dec 09 12:44 13496 Dec 09 12:11 13496 Dec 10 09:56	0°₹44'36 15°₹56'28 0°♂ 0°♂53'41 0°♂50'35 2°♂51'32	
minimum elong max. Earth dist.	13495 Dec 26 02:36 13495 Dec 28 04:15 13496 Jan 01 13:09 13496 Jan 02 11:19 13496 Jan 11 03:09 13496 Jan 18 01:21 13496 Feb 04 22:04	16°♂13'59 20°♂44'32 0°≈ 1°≈53'38 18°≈25'19 0°¥ 22°¥57'17	1°38'30 1.32351 AU	morning set superior conj minimum elong	13496 Nov 25 05:35 13496 Dec 02 17:53 13496 Dec 09 03:06 13496 Dec 09 12:44 13496 Dec 09 12:11 13496 Dec 10 09:56 13496 Dec 16 12:07	0° ₹44'36 15° ₹56'28 0° ♂ 0° ♂53'41 0° ♂50'35 2° ♂51'32 16° ♂04'50	1°38'26
minimum elong max. Earth dist. evening rise desc. node evening max el	13495 Dec 26 02:36 13495 Dec 28 04:15 13496 Jan 01 13:09 13496 Jan 02 11:19 13496 Jan 11 03:09 13496 Jan 18 01:21 13496 Feb 04 22:04 13496 Feb 15 20:08	16°♂13'59 20°♂44'32 0°≈ 1°≈53'38 18°≈25'19 0°¥ 22°¥57'17 0°°°	1°38'30 1.32351 AU	superior conj minimum elong max. Earth dist. evening rise	13496 Nov 25 05:35 13496 Dec 02 17:53 13496 Dec 09 03:06 13496 Dec 09 12:44 13496 Dec 09 12:11 13496 Dec 10 09:56 13496 Dec 16 12:07 13496 Dec 23 12:02	0° ₹44'36 15° ₹56'28 0° ♂ 0° ♂53'41 0° ♂50'35 2° ♂51'32 16° ♂04'50 0° ≈	1°38'26
minimum elong max. Earth dist. evening rise desc. node	13495 Dec 26 02:36 13495 Dec 28 04:15 13496 Jan 01 13:09 13496 Jan 02 11:19 13496 Jan 11 03:09 13496 Jan 18 01:21 13496 Feb 04 22:04 13496 Feb 15 20:08 13496 Feb 18 17:23	16°₹13'59 20°₹44'32 0°≈ 1°≈53'38 18°≈25'19 0°¥ 22°¥57'17 0°Y 0°Y23'19	1°38'30 1.32351 AU	superior conj minimum elong max. Earth dist.	13496 Nov 25 05:35 13496 Dec 02 17:53 13496 Dec 09 03:06 13496 Dec 09 12:44 13496 Dec 09 12:11 13496 Dec 10 09:56 13496 Dec 16 12:07 13496 Dec 23 12:02 13496 Dec 27 24:00	0° ₹44'36 15° ₹56'28 0° ♂ 0° ♂53'41 0° ♂550'35 2° ♂51'32 16° ♂04'50 0° ≈ 8° ≈04'12	1°38'26
minimum elong max. Earth dist. evening rise desc. node evening max el retrograde	13495 Dec 26 02:36 13495 Dec 28 04:15 13496 Jan 01 13:09 13496 Jan 02 11:19 13496 Jan 11 03:09 13496 Jan 18 01:21 13496 Feb 04 22:04 13496 Feb 15 20:08	16°♂13'59 20°♂44'32 0°≈ 1°≈53'38 18°≈25'19 0°¥ 22°¥57'17 0°Y 0°Y23'19 30°R¥	1°38'30 1.32351 AU	superior conj minimum elong max. Earth dist. evening rise desc. node	13496 Nov 25 05:35 13496 Dec 02 17:53 13496 Dec 09 03:06 13496 Dec 09 12:44 13496 Dec 09 12:11 13496 Dec 10 09:56 13496 Dec 16 12:07 13496 Dec 23 12:02 13496 Dec 27 24:00 13497 Jan 12 02:06	0°₹44'36 15°₹56'28 0°♂50'35 2°♂55'341 0°♂550'35 2°♂51'32 16°♂04'50 0°≈ 8°≈04'12 0°¥	1°38'26 1.31519 AU
minimum elong max. Earth dist. evening rise desc. node evening max el retrograde evening set	13495 Dec 26 02:36 13495 Dec 28 04:15 13496 Jan 01 13:09 13496 Jan 02 11:19 13496 Jan 11 03:09 13496 Feb 04 22:04 13496 Feb 04 22:04 13496 Feb 15 20:08 13496 Feb 18 17:23 13496 Feb 21 12:13 13496 Feb 25 14:25	16°₹13'59 20°₹44'32 0°≈ 1°≈53'38 18°≈25'19 0°¥ 22°¥57'17 0°Y 0°Y23'19	1°38'30 1.32351 AU	superior conj minimum elong max. Earth dist. evening rise desc. node	13496 Nov 25 05:35 13496 Dec 02 17:53 13496 Dec 09 03:06 13496 Dec 09 12:44 13496 Dec 09 12:11 13496 Dec 10 09:56 13496 Dec 16 12:07 13496 Dec 23 12:02 13496 Dec 27 24:00 13497 Jan 12 02:06 13497 Jan 17 06:17	0°₹44'36 15°₹56'28 0°♂ 0°♂53'41 0°♂550'35 2°♂51'32 16°♂04'50 0°≈ 8°≈04'12 0°升 5°升30'58	1°38'26 1.31519 AU
minimum elong max. Earth dist. evening rise desc. node evening max el retrograde	13495 Dec 26 02:36 13495 Dec 28 04:15 13496 Jan 01 13:09 13496 Jan 02 11:19 13496 Jan 11 03:09 13496 Jan 18 01:21 13496 Feb 04 22:04 13496 Feb 15 20:08 13496 Feb 18 17:23 13496 Feb 21 12:13	16°♂13'59 20°♂44'32 0°≈ 1°≈53'38 18°≈25'19 0°¥ 22°¥57'17 0°Y 0°Y23'19 30°R¥	1°38'30 1.32351 AU	superior conj minimum elong max. Earth dist. evening rise desc. node evening max el retrograde	13496 Nov 25 05:35 13496 Dec 02 17:53 13496 Dec 09 03:06 13496 Dec 09 12:44 13496 Dec 09 12:11 13496 Dec 10 09:56 13496 Dec 16 12:07 13496 Dec 23 12:02 13496 Dec 27 24:00 13497 Jan 12 02:06	0° ₹44'36 15° ₹56'28 0° ♂ 0° ♂53'41 0° ♂550'35 2° ♂51'32 16° ♂04'50 0° ≈ 8° ≈04'12 0° ¥ 5° ¥30'58 12° ¥49'21	1°38'26 1.31519 AU
minimum elong max. Earth dist. evening rise desc. node evening max el retrograde evening set	13495 Dec 26 02:36 13495 Dec 28 04:15 13496 Jan 01 13:09 13496 Jan 02 11:19 13496 Jan 11 03:09 13496 Feb 04 22:04 13496 Feb 04 22:04 13496 Feb 15 20:08 13496 Feb 18 17:23 13496 Feb 21 12:13 13496 Feb 25 14:25	16°♂13'59 20°♂44'32 0°≈ 1°≈53'38 18°≈25'19 0°¥ 22°¥57'17 0°° 0°Y23'19 30°R¥ 27°¥58'37	1°38'30 1.32351 AU 27°33'00 0.63304 AU	superior conj minimum elong max. Earth dist. evening rise desc. node	13496 Nov 25 05:35 13496 Dec 02 17:53 13496 Dec 09 03:06 13496 Dec 09 12:44 13496 Dec 09 12:11 13496 Dec 10 09:56 13496 Dec 16 12:07 13496 Dec 23 12:02 13496 Dec 27 24:00 13497 Jan 12 02:06 13497 Jan 17 06:17	0°₹44'36 15°₹56'28 0°♂ 0°♂53'41 0°♂550'35 2°♂51'32 16°♂04'50 0°≈ 8°≈04'12 0°升 5°升30'58	1°38'26 1.31519 AU
minimum elong max. Earth dist.  evening rise desc. node  evening max el  retrograde  evening set min. Earth dist. inferior conj minimum elong	13495 Dec 26 02:36 13495 Dec 28 04:15 13496 Jan 01 13:09 13496 Jan 02 11:19 13496 Jan 11 03:09 13496 Jan 18 01:21 13496 Feb 04 22:04 13496 Feb 15 20:08 13496 Feb 18 17:23 13496 Feb 21 12:13 13496 Feb 25 14:25 13496 Feb 29 08:54	16°♂13'59 20°♂44'32 0°≈ 1°≈53'38 18°≈25'19 0°¥ 22°¥57'17 0°Y 0°Y23'19 30°R¥ 27°¥58'37 24°¥46'28 21°¥59'20 21°¥54'22	1°38'30 1.32351 AU 27°33'00 0.63304 AU	superior conj minimum elong max. Earth dist. evening rise desc. node evening max el retrograde	13496 Nov 25 05:35 13496 Dec 02 17:53 13496 Dec 09 03:06 13496 Dec 09 12:44 13496 Dec 09 12:11 13496 Dec 10 09:56 13496 Dec 16 12:07 13496 Dec 23 12:02 13496 Dec 27 24:00 13497 Jan 12 02:06 13497 Jan 17 06:17 13497 Jan 31 05:08	0° ₹44'36 15° ₹56'28 0° ♂ 0° ♂53'41 0° ♂550'35 2° ♂51'32 16° ♂04'50 0° ≈ 8° ≈04'12 0° ¥ 5° ¥30'58 12° ¥49'21 10° ¥39'57 7° ¥50'23	1°38'26 1.31519 AU 27°22'58 0.61190 AU
minimum elong max. Earth dist.  evening rise desc. node  evening max el  retrograde  evening set min. Earth dist. inferior conj	13495 Dec 26 02:36 13496 Jan 01 13:09 13496 Jan 02 11:19 13496 Jan 11 03:09 13496 Jan 18 01:21 13496 Feb 04 22:04 13496 Feb 15 20:08 13496 Feb 18 17:23 13496 Feb 25 14:25 13496 Feb 29 08:54 13496 Mar 03 03:38	16°♂13'59 20°♂44'32 0°≈ 1°≈53'38 18°≈25'19 0° ★ 22° ★57'17 0° ♀ 0°♀23'19 30° ℞ ★ 27° ★58'37 24° ★46'28 21° ★59'20	1°38'30 1.32351 AU 27°33'00 0.63304 AU -1°00'43	superior conj minimum elong max. Earth dist. evening rise desc. node evening max el retrograde evening set	13496 Nov 25 05:35 13496 Dec 02 17:53 13496 Dec 09 03:06 13496 Dec 09 12:44 13496 Dec 09 12:11 13496 Dec 10 09:56 13496 Dec 16 12:07 13496 Dec 23 12:02 13496 Dec 27 24:00 13497 Jan 12 02:06 13497 Jan 17 06:17 13497 Jan 31 05:08 13497 Feb 07 02:05	0° ₹44'36 15° ₹56'28 0° ♂ 0° ♂53'41 0° ♂550'35 2° ♂51'32 16° ♂04'50 0° ≈ 8° ≈04'12 0° ¥ 5° ¥30'58 12° ¥49'21 10° ¥39'57	1°38'26 1.31519 AU 27°22'58 0.61190 AU
minimum elong max. Earth dist.  evening rise desc. node  evening max el  retrograde  evening set min. Earth dist. inferior conj minimum elong	13495 Dec 26 02:36 13496 Jan 01 13:09 13496 Jan 02 11:19 13496 Jan 11 03:09 13496 Jan 18 01:21 13496 Feb 04 22:04 13496 Feb 15 20:08 13496 Feb 18 17:23 13496 Feb 21 12:13 13496 Feb 25 14:25 13496 Feb 29 08:54 13496 Mar 03 03:38 13496 Mar 03 05:36	16°♂13'59 20°♂44'32 0°≈ 1°≈53'38 18°≈25'19 0°¥ 22°¥57'17 0°Y 0°Y23'19 30°R¥ 27°¥58'37 24°¥46'28 21°¥59'20 21°¥54'22	1°38'30 1.32351 AU 27°33'00 0.63304 AU -1°00'43	superior conj minimum elong max. Earth dist. evening rise desc. node evening max el retrograde evening set min. Earth dist.	13496 Nov 25 05:35 13496 Dec 02 17:53 13496 Dec 09 03:06 13496 Dec 09 12:44 13496 Dec 09 12:11 13496 Dec 10 09:56 13496 Dec 16 12:07 13496 Dec 23 12:02 13496 Dec 27 24:00 13497 Jan 12 02:06 13497 Jan 17 06:17 13497 Jan 31 05:08 13497 Feb 07 02:05 13497 Feb 10 20:46	0° ₹44'36 15° ₹56'28 0° ♂ 0° ♂53'41 0° ♂550'35 2° ♂51'32 16° ♂04'50 0° ≈ 8° ≈04'12 0° ¥ 5° ¥30'58 12° ¥49'21 10° ¥39'57 7° ¥50'23	1°38'26 1.31519 AU 27°22'58 0.61190 AU -2°19'27
minimum elong max. Earth dist.  evening rise desc. node  evening max el  retrograde  evening set min. Earth dist. inferior conj minimum elong asc. node	13495 Dec 26 02:36 13496 Jan 01 13:09 13496 Jan 02 11:19 13496 Jan 11 03:09 13496 Jan 18 01:21 13496 Feb 04 22:04 13496 Feb 15 20:08 13496 Feb 21 12:13 13496 Feb 25 14:25 13496 Feb 29 08:54 13496 Mar 03 03:38 13496 Mar 03 05:36 13496 Mar 06 06:12	16°♂13'59 20°♂44'32 0°≈ 1°≈53'38 18°≈25'19 0° ★ 22° ★57'17 0° Ŷ 0°Ŷ23'19 30° R ★ 27° ★58'37 24° ★46'28 21° ★59'20 21° ★54'22 19° ★04'01	1°38'30 1.32351 AU 27°33'00 0.63304 AU -1°00'43	superior conj minimum elong max. Earth dist. evening rise desc. node evening max el retrograde evening set min. Earth dist. inferior conj	13496 Nov 25 05:35 13496 Dec 02 17:53 13496 Dec 09 03:06 13496 Dec 09 12:44 13496 Dec 09 12:11 13496 Dec 10 09:56 13496 Dec 16 12:07 13496 Dec 23 12:02 13496 Dec 27 24:00 13497 Jan 12 02:06 13497 Jan 17 06:17 13497 Jan 31 05:08 13497 Feb 07 02:05 13497 Feb 10 20:46 13497 Feb 13 23:11	0°₹44'36 15°₹56'28 0°♂50'35 2°♂551'32 16°♂04'50 0°≈ 8°≈04'12 0°¥ 5°¥30'58 12°¥49'21 10°¥39'57 7°¥50'23 5°¥05'43	1°38'26 1.31519 AU 27°22'58 0.61190 AU -2°19'27
minimum elong max. Earth dist.  evening rise desc. node  evening max el  retrograde  evening set min. Earth dist. inferior conj minimum elong asc. node  morning rise	13495 Dec 26 02:36 13496 Jan 01 13:09 13496 Jan 02 11:19 13496 Jan 11 03:09 13496 Jan 18 01:21 13496 Feb 04 22:04 13496 Feb 15 20:08 13496 Feb 21 12:13 13496 Feb 25 14:25 13496 Feb 29 08:54 13496 Mar 03 05:36 13496 Mar 06 06:12 13496 Mar 09 23:16	16°♂13'59 20°♂44'32 0°≈ 1°≈53'38 18°≈25'19 0° ★ 22° ★57'17 0° Ŷ 0° Ŷ23'19 30° R ★ 27° ★58'37 24° ★46'28 21° ★59'20 21° ★54'22 19° ★04'01 16° ★44'56	1°38'30 1.32351 AU 27°33'00 0.63304 AU -1°00'43	superior conj minimum elong max. Earth dist. evening rise desc. node evening max el retrograde evening set min. Earth dist. inferior conj minimum elong	13496 Nov 25 05:35 13496 Dec 02 17:53 13496 Dec 09 03:06 13496 Dec 09 12:44 13496 Dec 09 12:11 13496 Dec 10 09:56 13496 Dec 16 12:07 13496 Dec 23 12:02 13496 Dec 27 24:00 13497 Jan 12 02:06 13497 Jan 17 06:17 13497 Jan 31 05:08 13497 Feb 07 02:05 13497 Feb 10 20:46 13497 Feb 13 23:11 13497 Feb 14 04:08	0°₹44'36 15°₹56'28 0°♂50'35 2°♂551'32 16°♂04'50 0°≈ 8°≈04'12 0°¥ 5°¥30'58 12°¥49'21 10°¥39'57 7°¥50'23 5°¥05'43 4°¥54'43	1°38'26 1.31519 AU 27°22'58 0.61190 AU -2°19'27
minimum elong max. Earth dist.  evening rise desc. node  evening max el  retrograde  evening set min. Earth dist. inferior conj minimum elong asc. node  morning rise direct	13495 Dec 26 02:36 13496 Jan 01 13:09 13496 Jan 02 11:19 13496 Jan 11 03:09 13496 Jan 18 01:21 13496 Feb 04 22:04 13496 Feb 15 20:08 13496 Feb 21 12:13 13496 Feb 25 14:25 13496 Feb 29 08:54 13496 Mar 03 03:38 13496 Mar 03 05:36 13496 Mar 06 06:12 13496 Mar 09 23:16 13496 Mar 12 08:11	16°♂13'59 20°♂44'32 0°≈ 1°≈53'38 18°≈25'19 0° ₭ 22° ₭57'17 0° Ŷ 0°Ŷ23'19 30° ₨ ₭ 27° ₭58'37 24° ₭46'28 21° ₭59'20 21° ₭54'22 19° ₭04'01 16° ₭44'56 16° ₭17'50	1°38'30 1.32351 AU 27°33'00 0.63304 AU -1°00'43 0°59'39	superior conj minimum elong max. Earth dist. evening rise  desc. node  evening max el retrograde evening set min. Earth dist. inferior conj minimum elong morning rise	13496 Nov 25 05:35 13496 Dec 02 17:53 13496 Dec 09 03:06 13496 Dec 09 12:44 13496 Dec 09 12:11 13496 Dec 10 09:56 13496 Dec 16 12:07 13496 Dec 23 12:02 13496 Dec 27 24:00 13497 Jan 12 02:06 13497 Jan 17 06:17 13497 Jan 31 05:08 13497 Feb 07 02:05 13497 Feb 10 20:46 13497 Feb 10 20:46 13497 Feb 13 23:11 13497 Feb 14 04:08 13497 Feb 21 09:13	0° ₹44'36 15° ₹56'28 0° ♂ 0° ♂ 550'35 2° ♂551'32 16° ♂04'50 0° ≈ 8° ≈04'12 0° ¥ 5° ¥30'58 12° ¥49'21 10° ¥39'57 7° ¥50'23 5° ¥05'43 4° ¥54'43 0° ¥09'28	1°38'26 1.31519 AU 27°22'58 0.61190 AU -2°19'27
minimum elong max. Earth dist.  evening rise desc. node  evening max el  retrograde  evening set min. Earth dist. inferior conj minimum elong asc. node  morning rise direct	13495 Dec 26 02:36 13496 Jan 01 13:09 13496 Jan 02 11:19 13496 Jan 11 03:09 13496 Jan 18 01:21 13496 Feb 04 22:04 13496 Feb 15 20:08 13496 Feb 21 12:13 13496 Feb 25 14:25 13496 Feb 29 08:54 13496 Mar 03 03:38 13496 Mar 03 05:36 13496 Mar 06 06:12 13496 Mar 09 23:16 13496 Mar 12 08:11 13496 Mar 18 20:26	16°♂13'59 20°♂44'32 0°≈ 1°≈53'38 18°≈25'19 0° € 22° ₭57'17 0° ♀ 0° ♀23'19 30° ₹ 27° ₭58'37 24° ₭46'28 21° ₭59'20 21° ₭54'22 19° € ₩17'50 19° ₭37'38	1°38'30 1.32351 AU 27°33'00 0.63304 AU -1°00'43 0°59'39	superior conj minimum elong max. Earth dist. evening rise  desc. node  evening max el retrograde evening set min. Earth dist. inferior conj minimum elong morning rise	13496 Nov 25 05:35 13496 Dec 02 17:53 13496 Dec 09 03:06 13496 Dec 09 12:44 13496 Dec 09 12:11 13496 Dec 10 09:56 13496 Dec 16 12:07 13496 Dec 23 12:02 13496 Dec 27 24:00 13497 Jan 12 02:06 13497 Jan 17 06:17 13497 Jan 31 05:08 13497 Feb 10 20:46 13497 Feb 10 20:46 13497 Feb 13 23:11 13497 Feb 14 04:08 13497 Feb 21 09:13 13497 Feb 21 03:40	0° ₹44'36 15° ₹56'28 0° ♂ 0° ♂ 550'35 2° ♂ 551'32 16° ♂ 0° ≈ 8° ≈ 04'12 0° ¥ 5° ¥30'58 12° ¥49'21 10° ¥39'57 7° ¥50'23 5° ¥05'43 4° ¥54'43 0° ¥09'28 0° ¥13'45	1°38'26 1.31519 AU 27°22'58 0.61190 AU -2°19'27
minimum elong max. Earth dist.  evening rise desc. node  evening max el  retrograde  evening set min. Earth dist. inferior conj minimum elong asc. node  morning rise direct morning max el	13495 Dec 26 02:36 13496 Jan 01 13:09 13496 Jan 02 11:19 13496 Jan 11 03:09 13496 Jan 18 01:21 13496 Feb 04 22:04 13496 Feb 15 20:08 13496 Feb 21 12:13 13496 Feb 25 14:25 13496 Feb 29 08:54 13496 Mar 03 03:38 13496 Mar 03 05:36 13496 Mar 06 06:12 13496 Mar 09 23:16 13496 Mar 12 08:11 13496 Mar 18 20:26 13496 Mar 26 14:30	16°♂13'59 20°♂44'32 0°≈ 1°≈53'38 18°≈25'19 0°¥ 22°¥57'17 0°Y 0°Y23'19 30°₹¥ 27°¥58'37 24°¥46'28 21°¥59'20 21°¥54'22 19°¥04'01 16°¥44'56 16°¥17'50 19°¥37'38 0°Y	1°38'30 1.32351 AU 27°33'00 0.63304 AU -1°00'43 0°59'39	superior conj minimum elong max. Earth dist. evening rise  desc. node  evening max el retrograde evening set min. Earth dist. inferior conj minimum elong morning rise asc. node	13496 Nov 25 05:35 13496 Dec 02 17:53 13496 Dec 09 03:06 13496 Dec 09 12:44 13496 Dec 09 12:11 13496 Dec 10 09:56 13496 Dec 16 12:07 13496 Dec 23 12:02 13496 Dec 27 24:00 13497 Jan 12 02:06 13497 Jan 17 06:17 13497 Jan 31 05:08 13497 Feb 07 02:05 13497 Feb 10 20:46 13497 Feb 11 20:46 13497 Feb 12 10:13 13497 Feb 21 09:13 13497 Feb 21 03:40 13497 Feb 22 00:09	0° ₹44'36 15° ₹56'28 0° ♂ 0° ♂ 550'35 2° ♂ 551'32 16° ♂ 0° ≈ 8° ≈ 04'50 0° ≈ 8° ≈ 04'12 0° ¥ 5° ¥30'58 12° ¥49'21 10° ¥39'57 7° ¥50'23 5° ¥05'43 4° ¥54'43 0° ¥09'28 0° ¥13'45	1°38'26 1.31519 AU 27°22'58 0.61190 AU -2°19'27
minimum elong max. Earth dist.  evening rise desc. node  evening max el  retrograde  evening set min. Earth dist. inferior conj minimum elong asc. node morning rise direct morning max el	13495 Dec 26 02:36 13496 Jan 01 13:09 13496 Jan 02 11:19 13496 Jan 11 03:09 13496 Jan 18 01:21 13496 Feb 04 22:04 13496 Feb 15 20:08 13496 Feb 21 12:13 13496 Feb 25 14:25 13496 Feb 29 08:54 13496 Mar 03 03:38 13496 Mar 03 05:36 13496 Mar 04 06:12 13496 Mar 09 23:16 13496 Mar 12 08:11 13496 Mar 18 20:26 13496 Mar 26 14:30 13496 Mar 26 14:30 13496 Mar 04 04:20	16°♂13'59 20°♂44'32 0°≈ 1°≈53'38 18°≈25'19 0°ℋ 22°ℋ57'17 0°Ψ 0°Ψ23'19 30°₹Ж 27°ℋ58'37 24°ℋ46'28 21°ℋ59'20 21°Ж54'22 19°Ж04'01 16°ℋ44'56 16°ℋ17'50 19°ℋ37'38 0°Ψ 14°Ψ27'39	1°38'30 1.32351 AU 27°33'00 0.63304 AU -1°00'43 0°59'39	superior conj minimum elong max. Earth dist. evening rise  desc. node  evening max el retrograde evening set min. Earth dist. inferior conj minimum elong morning rise asc. node	13496 Nov 25 05:35 13496 Dec 02 17:53 13496 Dec 09 03:06 13496 Dec 09 12:44 13496 Dec 09 12:11 13496 Dec 10 09:56 13496 Dec 16 12:07 13496 Dec 23 12:02 13496 Dec 27 24:00 13497 Jan 12 02:06 13497 Jan 17 06:17 13497 Jan 31 05:08 13497 Feb 07 02:05 13497 Feb 10 20:46 13497 Feb 10 20:46 13497 Feb 11 04:08 13497 Feb 21 09:13 13497 Feb 21 03:40 13497 Feb 22 00:09 13497 Feb 23 12:20	0° ₹44'36 15° ₹56'28 0° ♂ 0° ♂553'41 0° ♂550'35 2° ♂551'32 16° ♂04'50 0° ≈ 8° ≈04'12 0° ¥ 5° ¥30'58 12° ¥49'21 10° ¥39'57 7° ¥50'23 5° ¥05'43 4° ¥54'43 0° ¥09'28 0° ¥13'45 30° R≈ 29° ≈50'20	1°38'26 1.31519 AU 27°22'58 0.61190 AU -2°19'27
minimum elong max. Earth dist.  evening rise desc. node  evening max el  retrograde  evening set min. Earth dist. inferior conj minimum elong asc. node morning rise direct morning max el	13495 Dec 26 02:36 13496 Jan 01 13:09 13496 Jan 02 11:19 13496 Jan 11 03:09 13496 Jan 18 01:21 13496 Feb 04 22:04 13496 Feb 15 20:08 13496 Feb 18 17:23 13496 Feb 25 14:25 13496 Feb 29 08:54 13496 Mar 03 03:38 13496 Mar 03 05:36 13496 Mar 04 06:12 13496 Mar 12 08:11 13496 Mar 12 08:11 13496 Mar 12 08:11 13496 Mar 26 14:30 13496 Apr 04 04:20 13496 Apr 08 05:18	16°♂13'59 20°♂44'32 0°≈ 1°≈53'38 18°≈25'19 0° ₭ 22° ₭57'17 0° Ŷ 0° Ŷ23'19 30° ₭ ₭ 27° ₭58'37 24° ₭46'28 21° ₭59'20 21° ₭54'22 19° ₭04'01 16° ₭44'56 16° ₭17'50 19° ₭37'38 0° Ŷ 14° Ŷ27'39 21° Ŷ24'03	1°38'30 1.32351 AU 27°33'00 0.63304 AU -1°00'43 0°59'39	superior conj minimum elong max. Earth dist. evening rise  desc. node  evening max el retrograde evening set min. Earth dist. inferior conj minimum elong morning rise asc. node	13496 Nov 25 05:35 13496 Dec 02 17:53 13496 Dec 09 03:06 13496 Dec 09 12:44 13496 Dec 09 12:11 13496 Dec 10 09:56 13496 Dec 16 12:07 13496 Dec 23 12:02 13496 Dec 27 24:00 13497 Jan 12 02:06 13497 Jan 17 06:17 13497 Jan 31 05:08 13497 Feb 07 02:05 13497 Feb 10 20:46 13497 Feb 10 20:46 13497 Feb 11 03:40 13497 Feb 21 09:13 13497 Feb 22 00:09 13497 Feb 23 12:20 13497 Feb 25 00:06	0° ₹44'36 15° ₹56'28 0° ♂ 0° ♂53'41 0° ♂550'35 2° ♂551'32 16° ♂04'50 0° ≈ 8° ≈04'12 0° ¥ 5° ¥30'58 12° ¥49'21 10° ¥39'57 7° ¥50'23 5° ¥05'43 4° ¥54'43 0° ¥09'28 0° ¥13'45 30° ₹≈ 29° ≈50'20 0° ¥	1°38'26 1.31519 AU 27°22'58 0.61190 AU -2°19'27 2°16'58
minimum elong max. Earth dist.  evening rise desc. node  evening max el  retrograde  evening set min. Earth dist. inferior conj minimum elong asc. node morning rise direct morning max el	13495 Dec 26 02:36 13496 Jan 01 13:09 13496 Jan 02 11:19 13496 Jan 11 03:09 13496 Jan 18 01:21 13496 Feb 04 22:04 13496 Feb 15 20:08 13496 Feb 18 17:23 13496 Feb 25 14:25 13496 Feb 29 08:54 13496 Mar 03 03:38 13496 Mar 03 05:36 13496 Mar 04 06:12 13496 Mar 12 08:11 13496 Mar 12 08:11 13496 Mar 12 08:11 13496 Mar 26 14:30 13496 Apr 04 04:20 13496 Apr 08 05:18	16°♂13'59 20°♂44'32 0°≈ 1°≈53'38 18°≈25'19 0° ₭ 22° ₭57'17 0° Ŷ 0° Ŷ23'19 30° ₭ ₭ 27° ₭58'37 24° ₭46'28 21° ₭59'20 21° ₭54'22 19° ₭04'01 16° ₭44'56 16° ₭17'50 19° ₭37'38 0° Ŷ 14° Ŷ27'39 21° Ŷ24'03	1°38'30 1.32351 AU 27°33'00 0.63304 AU -1°00'43 0°59'39	superior conj minimum elong max. Earth dist. evening rise  desc. node  evening max el retrograde evening set min. Earth dist. inferior conj minimum elong morning rise asc. node  direct morning max el	13496 Nov 25 05:35 13496 Dec 02 17:53 13496 Dec 09 03:06 13496 Dec 09 12:44 13496 Dec 09 12:11 13496 Dec 10 09:56 13496 Dec 16 12:07 13496 Dec 23 12:02 13496 Dec 27 24:00 13497 Jan 12 02:06 13497 Jan 12 02:06 13497 Feb 07 02:05 13497 Feb 10 20:46 13497 Feb 10 20:46 13497 Feb 11 20:13 13497 Feb 21 09:13 13497 Feb 21 03:40 13497 Feb 22 00:09 13497 Feb 23 12:20 13497 Feb 25 00:06 13497 Mar 02 12:50	0° ₹44'36 15° ₹56'28 0° ♂ 0° ♂ 53'41 0° ♂ 550'35 2° ♂ 551'32 16° ♂ 0° ※ 8° ≈ 04'12 0° ※ 5° ※ 30'58 12° ※ 49'21 10° ※ 39'57 7° ※ 50'23 5° ※ 05'43 4° ※ 54'43 0° ※ 69'28 0° ※ 13'45 30° № 29° ≈ 50'20 0° ※ 3° ※ 22'25	1°38'26 1.31519 AU 27°22'58 0.61190 AU -2°19'27 2°16'58
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minimum elong max. Earth dist.  evening rise desc. node  evening max el  retrograde  evening set min. Earth dist. inferior conj minimum elong asc. node morning rise direct morning max el  morning set desc. node  superior conj minimum elong max. Earth dist.	13495 Dec 26 02:36 13496 Jan 01 13:09 13496 Jan 02 11:19 13496 Jan 11 03:09 13496 Jan 18 01:21 13496 Feb 04 22:04 13496 Feb 15 20:08 13496 Feb 21 12:13 13496 Feb 25 14:25 13496 Feb 29 08:54 13496 Mar 03 03:38 13496 Mar 03 05:36 13496 Mar 06 06:12 13496 Mar 09 23:16 13496 Mar 12 08:11 13496 Mar 12 08:11 13496 Mar 12 08:11 13496 Mar 26 14:30 13496 Apr 04 04:20 13496 Apr 04 04:20 13496 Apr 13 07:29	16°♂13'59 20°♂44'32 0°≈ 1°≈53'38 18°≈25'19 0° ₭ 22° ₭57'17 0° Ŷ 0° Ŷ23'19 30° ₨ ₭ 27° ₭58'37 24° ₭46'28 21° ₭59'20 21° ₭54'22 19° ₭04'01 16° ₭44'56 16° ₭17'50 19° ₭37'38 0° Ŷ 14° Ŷ27'39 21° Ŷ24'03 0° ₺ 5° ₺30'11 5° ₺04'29 15° ₺13'36	1°38'30 1.32351 AU 27°33'00 0.63304 AU -1°00'43 0°59'39 17°46'34	superior conj minimum elong max. Earth dist. evening rise  desc. node  evening max el retrograde evening set min. Earth dist. inferior conj minimum elong morning rise asc. node  direct  morning max el morning set desc. node	13496 Nov 25 05:35 13496 Dec 02 17:53 13496 Dec 09 03:06  13496 Dec 09 12:44 13496 Dec 09 12:11 13496 Dec 10 09:56 13496 Dec 16 12:07 13496 Dec 23 12:02 13496 Dec 27 24:00 13497 Jan 12 02:06 13497 Jan 17 06:17 13497 Jan 31 05:08 13497 Feb 07 02:05 13497 Feb 10 20:46 13497 Feb 13 23:11 13497 Feb 21 09:13 13497 Feb 21 09:13 13497 Feb 22 00:09 13497 Feb 23 12:20 13497 Feb 25 00:06 13497 Mar 18 03:54 13497 Mar 19 09:37 13497 Mar 26 01:50	0° ₹44'36 15° ₹56'28 0° る 0° る53'41 0° る50'35 2° る51'32 16° る04'50 0° ≈ 8° ≈04'12 0° ¥ 5° ¥30'58 12° ¥49'21 10° ¥39'57 7° ¥50'23 5° ¥05'43 4° ¥54'43 0° ¥09'28 0° ¥13'45 30° R≈ 29° ≈50'20 0° ¥ 3° ¥22'25 27° ¥45'31 0° ♀	1°38'26 1.31519 AU 27°22'58 0.61190 AU -2°19'27 2°16'58
minimum elong max. Earth dist.  evening rise desc. node  evening max el  retrograde  evening set min. Earth dist. inferior conj minimum elong asc. node morning rise direct morning max el  morning set desc. node  superior conj minimum elong	13495 Dec 26 02:36 13496 Jan 01 13:09 13496 Jan 02 11:19 13496 Jan 11 03:09 13496 Jan 18 01:21 13496 Feb 04 22:04 13496 Feb 15 20:08 13496 Feb 21 12:13 13496 Feb 25 14:25 13496 Feb 29 08:54 13496 Mar 03 03:38 13496 Mar 03 05:36 13496 Mar 06 06:12 13496 Mar 09 23:16 13496 Mar 12 08:11 13496 Mar 12 08:11 13496 Mar 12 08:11 13496 Mar 26 14:30 13496 Apr 04 04:20 13496 Apr 04 04:20 13496 Apr 16 15:20 13496 Apr 12 15:48 13496 Mar 01 21:25	16°♂13'59 20°♂44'32 0°≈ 1°≈53'38 18°≈25'19 0° ₭ 22° ₭57'17 0° Ŷ 0° Ŷ23'19 30° ₨ ₭ 27° ₭58'37 24° ₭46'28 21° ₭59'20 21° ₭54'22 19° ₭04'01 16° ₭44'56 16° ₭17'50 19° ₭37'38 0° Ŷ 14° Ŷ27'39 21° Ŷ24'03 0° ₺ 5° ₺30'11 5° ₺04'29 15° ₺13'36 29° ₺38'58	1°38'30 1.32351 AU 27°33'00 0.63304 AU -1°00'43 0°59'39 17°46'34	superior conj minimum elong max. Earth dist. evening rise  desc. node  evening max el retrograde evening set min. Earth dist. inferior conj minimum elong morning rise asc. node  direct  morning max el morning set  desc. node  superior conj	13496 Nov 25 05:35 13496 Dec 02 17:53 13496 Dec 09 03:06  13496 Dec 09 12:44 13496 Dec 09 12:11 13496 Dec 10 09:56 13496 Dec 16 12:07 13496 Dec 23 12:02 13496 Dec 27 24:00 13497 Jan 12 02:06 13497 Jan 17 06:17 13497 Jan 31 05:08 13497 Feb 10 20:46 13497 Feb 10 20:46 13497 Feb 11 23:11 13497 Feb 21 09:13 13497 Feb 21 09:13 13497 Feb 22 00:09 13497 Feb 23 12:20 13497 Feb 25 00:06 13497 Mar 18 03:54 13497 Mar 19 09:37 13497 Mar 26 01:50	0° ₹44'36 15° ₹56'28 0° ♂ 0° ♂ 0° ♂ 53'41 0° ♂ 550'35 2° ♂ 55'132 16° ♂ 0° ※ 8° ≈ 04'12 0° ※ 5° ※ 30'58 12° ※ 49'21 10° ※ 39'57 7° ※ 50'23 5° ※ 05'43 4° ※ 54'43 0° ※ 90'28 0° ※ 13'45 30° № 29° ≈ 50'20 0° ※ 3° ※ 22'25 27° ※ 45'31 0° ♀ 11° ♀ 56'06	1°38'26 1.31519 AU 27°22'58 0.61190 AU -2°19'27 2°16'58
minimum elong max. Earth dist.  evening rise desc. node  evening max el  retrograde  evening set min. Earth dist. inferior conj minimum elong asc. node morning rise direct morning max el  morning set desc. node  superior conj minimum elong max. Earth dist.	13495 Dec 26 02:36 13496 Jan 01 13:09 13496 Jan 02 11:19 13496 Jan 11 03:09 13496 Jan 18 01:21 13496 Feb 04 22:04 13496 Feb 15 20:08 13496 Feb 21 12:13 13496 Feb 25 14:25 13496 Feb 29 08:54 13496 Mar 03 03:38 13496 Mar 06 06:12 13496 Mar 09 23:16 13496 Mar 12 08:11 13496 Mar 12 08:11 13496 Mar 26 14:30 13496 Apr 16 15:20 13496 Apr 16 09:04 13496 Apr 22 15:48 13496 May 01 21:25 13496 May 02 02:54	16°♂13'59 20°♂44'32 0°≈ 1°≈53'38 18°≈25'19 0° ₭ 22° ₭57'17 0° Ŷ 0° Ŷ23'19 30° ₨ ₭ 27° ₭58'37 24° ₭46'28 21° ₭59'20 21° ₭54'22 19° ₭04'01 16° ₭44'56 16° ₭17'50 19° ₭37'38 0° Ŷ 14° Ŷ27'39 21° Ŷ24'03 0° ₺ 5° ₺30'11 5° ₺04'29 15° ₺13'36 29° ₺38'58 0° Ⅱ	1°38'30 1.32351 AU 27°33'00 0.63304 AU -1°00'43 0°59'39 17°46'34	superior conj minimum elong max. Earth dist. evening rise  desc. node  evening max el retrograde evening set min. Earth dist. inferior conj minimum elong morning rise asc. node  direct  morning max el morning set  desc. node  superior conj minimum elong	13496 Nov 25 05:35 13496 Dec 02 17:53 13496 Dec 09 03:06  13496 Dec 09 12:44 13496 Dec 09 12:11 13496 Dec 10 09:56 13496 Dec 16 12:07 13496 Dec 23 12:02 13496 Dec 27 24:00 13497 Jan 12 02:06 13497 Jan 17 06:17 13497 Feb 07 02:05 13497 Feb 10 20:46 13497 Feb 13 23:11 13497 Feb 14 04:08 13497 Feb 21 09:13 13497 Feb 21 09:13 13497 Feb 22 00:09 13497 Feb 23 12:20 13497 Feb 25 00:06 13497 Mar 18 03:54 13497 Mar 19 09:37 13497 Mar 28 21:58 13497 Mar 28 21:58	0° ₹44'36 15° ₹56'28 0° ₹ 0° ₹53'41 0° ₹50'35 2° ₹51'32 16° ₹04'50 0° ≈ 8° ≈04'12 0° ₹ 5° ₹30'58 12° ₹49'21 10° ₹39'57 7° ₹50'23 5° ₹05'43 4° ₹54'43 0° ₹09'28 0° ₹13'45 30° ₹≈ 29° ≈50'20 0° ₹ 3° ₹22'25 27° ₹45'31 0° ₹ 11° ₹56'06	1°38'26 1.31519 AU 27°22'58 0.61190 AU -2°19'27 2°16'58 17°52'39
minimum elong max. Earth dist.  evening rise desc. node  evening max el  retrograde  evening set min. Earth dist. inferior conj minimum elong asc. node  morning rise direct morning max el  morning set desc. node  superior conj minimum elong max. Earth dist. evening rise	13495 Dec 26 02:36 13496 Jan 01 13:09 13496 Jan 02 11:19 13496 Jan 11 03:09 13496 Jan 18 01:21 13496 Feb 04 22:04 13496 Feb 15 20:08 13496 Feb 21 12:13 13496 Feb 25 14:25 13496 Feb 29 08:54 13496 Mar 03 03:38 13496 Mar 03 05:36 13496 Mar 06 06:12 13496 Mar 09 23:16 13496 Mar 12 08:11 13496 Mar 12 08:11 13496 Mar 26 14:30 13496 Apr 16 15:20 13496 Apr 16 15:21 13496 Apr 22 15:48 13496 May 01 21:25 13496 May 02 02:54 13496 May 02 02:54 13496 May 02 02:54	16°る13'59 20°る44'32 0°≈ 1°≈53'38 18°≈25'19 0° ₭ 22° ₭57'17 0° Ŷ 0° Ŷ23'19 30° ₨ ₭ 27° ₭58'37 24° ₭46'28 21° ₭54'22 19° ₭04'01 16° ₭44'56 16° ₭17'50 19° ₭37'38 0° Ŷ 14° Ŷ27'39 21° Ŷ24'03 0° ₺ 5° ₺30'11 5° ₺04'29 15° ₺13'36 29° ₺38'58 0° Ⅲ 0° \$6	1°38'30 1.32351 AU 27°33'00 0.63304 AU -1°00'43 0°59'39 17°46'34 -1°02'17 1°01'56 1.44644 AU	superior conj minimum elong max. Earth dist. evening rise  desc. node  evening max el retrograde evening set min. Earth dist. inferior conj minimum elong morning rise asc. node  direct  morning max el morning set  desc. node  superior conj	13496 Nov 25 05:35 13496 Dec 02 17:53 13496 Dec 09 03:06  13496 Dec 09 12:44 13496 Dec 09 12:11 13496 Dec 10 09:56 13496 Dec 16 12:07 13496 Dec 23 12:02 13496 Dec 27 24:00 13497 Jan 12 02:06 13497 Jan 17 06:17 13497 Feb 07 02:05 13497 Feb 10 20:46 13497 Feb 13 23:11 13497 Feb 14 04:08 13497 Feb 21 09:13 13497 Feb 21 09:13 13497 Feb 22 00:09 13497 Feb 23 12:20 13497 Feb 25 00:06 13497 Mar 18 03:54 13497 Mar 19 09:37 13497 Mar 28 21:58 13497 Mar 28 21:58 13497 Mar 28 19:56 13497 Mar 28 19:56	0° ₹44'36 15° ₹56'28 0° ₹ 0° ₹53'41 0° ₹50'35 2° ₹51'32 16° ₹04'50 0° ≈ 8° ≈04'12 0° ₹ 5° ₹30'58 12° ₹49'21 10° ₹39'57 7° ₹50'23 5° ₹05'43 4° ₹54'43 0° ₹09'28 0° ₹13'45 30° ₹≈ 29° ≈50'20 0° ₹ 3° ₹22'25 27° ₹45'31 0° ₹ 11° ₹56'06	1°38'26 1.31519 AU 27°22'58 0.61190 AU -2°19'27 2°16'58
minimum elong max. Earth dist.  evening rise desc. node  evening max el  retrograde  evening set min. Earth dist. inferior conj minimum elong asc. node  morning rise direct morning max el  morning set desc. node  superior conj minimum elong max. Earth dist. evening rise	13495 Dec 26 02:36 13496 Jan 01 13:09 13496 Jan 02 11:19 13496 Jan 11 03:09 13496 Jan 18 01:21 13496 Feb 04 22:04 13496 Feb 15 20:08 13496 Feb 21 12:13 13496 Feb 25 14:25 13496 Feb 29 08:54 13496 Mar 03 03:38 13496 Mar 03 05:36 13496 Mar 09 23:16 13496 Mar 12 08:11 13496 Mar 12 08:11 13496 Mar 18 20:26 13496 Mar 26 14:30 13496 Apr 04 04:20 13496 Apr 08 05:18 13496 Apr 16 15:20 13496 Apr 16 15:20 13496 Apr 16 15:20 13496 Apr 16 15:20 13496 Apr 16 09:04 13496 Apr 22 15:48 13496 May 01 21:25 13496 May 02 02:54 13496 May 22 13:23 13496 May 30 22:55	16°る13'59 20°る44'32 0°≈ 1°≈53'38 18°≈25'19 0°升 22°升57'17 0°介 0°介23'19 30°R升 27°升58'37 24°升46'28 21°升59'20 21°升54'22 19°升04'01 16°升44'56 16°升17'50 19°升37'38 0°介 14°介27'39 21°介24'03 0°め 5°め04'29 15°め13'36 29°め38'58 0°用 0°© 10°©11'15	1°38'30 1.32351 AU 27°33'00 0.63304 AU -1°00'43 0°59'39 17°46'34 -1°02'17 1°01'56 1.44644 AU	superior conj minimum elong max. Earth dist. evening rise  desc. node  evening max el retrograde evening set min. Earth dist. inferior conj minimum elong morning rise asc. node  direct morning max el morning set desc. node  superior conj minimum elong	13496 Nov 25 05:35 13496 Dec 02 17:53 13496 Dec 09 03:06  13496 Dec 09 12:44 13496 Dec 09 12:11 13496 Dec 10 09:56 13496 Dec 16 12:07 13496 Dec 23 12:02 13496 Dec 27 24:00 13497 Jan 12 02:06 13497 Jan 17 06:17 13497 Feb 10 20:46 13497 Feb 10 20:46 13497 Feb 13 23:11 13497 Feb 14 04:08 13497 Feb 21 09:13 13497 Feb 21 09:13 13497 Feb 22 00:09 13497 Feb 23 12:20 13497 Feb 24 00:06 13497 Mar 18 03:54 13497 Mar 18 03:54 13497 Mar 28 21:58 13497 Mar 28 21:58 13497 Mar 28 19:56 13497 Mar 28 19:56 13497 Mar 05 06:26 13497 Apr 05 06:26 13497 Apr 05 06:26	0° ₹44'36 15° ₹56'28 0° ₹ 0° ₹53'41 0° ₹50'35 2° ₹51'32 16° ₹04'50 0° ≈ 8° ≈04'12 0° ₹ 5° ₹30'58 12° ₹49'21 10° ₹39'57 7° ₹50'23 5° ₹05'43 4° ₹54'43 0° ₹09'28 0° ₹13'45 30° ₹≈ 29° ≈50'20 0° ₹ 3° ₹22'25 27° ₹45'31 0° ₹ 11° ₹56'06	1°38'26 1.31519 AU 27°22'58 0.61190 AU -2°19'27 2°16'58 17°52'39
minimum elong max. Earth dist.  evening rise desc. node  evening max el  retrograde  evening set min. Earth dist. inferior conj minimum elong asc. node  morning rise direct morning max el  morning set desc. node  superior conj minimum elong max. Earth dist. evening rise	13495 Dec 26 02:36 13496 Jan 01 13:09 13496 Jan 02 11:19 13496 Jan 11 03:09 13496 Jan 18 01:21 13496 Feb 04 22:04 13496 Feb 15 20:08 13496 Feb 21 12:13 13496 Feb 25 14:25 13496 Feb 29 08:54 13496 Mar 03 03:38 13496 Mar 03 05:36 13496 Mar 06 06:12 13496 Mar 09 23:16 13496 Mar 12 08:11 13496 Mar 12 08:11 13496 Mar 26 14:30 13496 Apr 16 15:20 13496 Apr 16 15:21 13496 Apr 22 15:48 13496 May 01 21:25 13496 May 02 02:54 13496 May 02 02:54 13496 May 02 02:54	16°る13'59 20°る44'32 0°≈ 1°≈53'38 18°≈25'19 0° ₭ 22° ₭57'17 0° Ŷ 0° Ŷ23'19 30° ₨ ₭ 27° ₭58'37 24° ₭46'28 21° ₭54'22 19° ₭04'01 16° ₭44'56 16° ₭17'50 19° ₭37'38 0° Ŷ 14° Ŷ27'39 21° Ŷ24'03 0° ₺ 5° ₺30'11 5° ₺04'29 15° ₺13'36 29° ₺38'58 0° Ⅲ 0° \$6	1°38'30 1.32351 AU 27°33'00 0.63304 AU -1°00'43 0°59'39 17°46'34 -1°02'17 1°01'56 1.44644 AU	superior conj minimum elong max. Earth dist. evening rise  desc. node  evening max el retrograde evening set min. Earth dist. inferior conj minimum elong morning rise asc. node  direct  morning max el morning set  desc. node  superior conj minimum elong	13496 Nov 25 05:35 13496 Dec 02 17:53 13496 Dec 09 03:06  13496 Dec 09 12:44 13496 Dec 09 12:11 13496 Dec 10 09:56 13496 Dec 16 12:07 13496 Dec 23 12:02 13496 Dec 27 24:00 13497 Jan 12 02:06 13497 Jan 17 06:17 13497 Feb 07 02:05 13497 Feb 10 20:46 13497 Feb 13 23:11 13497 Feb 14 04:08 13497 Feb 21 09:13 13497 Feb 21 09:13 13497 Feb 22 00:09 13497 Feb 23 12:20 13497 Feb 25 00:06 13497 Mar 18 03:54 13497 Mar 19 09:37 13497 Mar 28 21:58 13497 Mar 28 21:58 13497 Mar 28 19:56 13497 Mar 28 19:56	0° ₹44'36 15° ₹56'28 0° ₹ 0° ₹53'41 0° ₹50'35 2° ₹51'32 16° ₹04'50 0° ≈ 8° ≈04'12 0° ₹ 5° ₹30'58 12° ₹49'21 10° ₹39'57 7° ₹50'23 5° ₹05'43 4° ₹54'43 0° ₹09'28 0° ₹13'45 30° ₹≈ 29° ≈50'20 0° ₹ 3° ₹22'25 27° ₹45'31 0° ₹ 11° ₹56'06	1°38'26 1.31519 AU 27°22'58 0.61190 AU -2°19'27 2°16'58 17°52'39

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	13499 Mar 22 14:48	0° <b>႘</b>			13500 Feb 24 03:03	0°Υ	
evening max el	13499 Apr 08 23:55	21° <b>8</b> 44'02	24°35'10		13500 Mar 17 09:04	0°8	
retrograde	13499 Apr 20 14:01	28° <b>8</b> 30'37		evening max el	13500 Mar 22 13:17	5° <b>8</b> 35'09	25°48'24
asc. node	13499 Apr 23 18:59	27° <b>8</b> 45'20		retrograde	13500 Apr 04 01:47	12° <b>8</b> 47'09	
evening set	13499 Apr 26 03:47	26° <b>8</b> 09'55		evening set	13500 Apr 10 02:44	10° <b>8</b> 18'10	
min. Earth dist.	13499 Apr 30 16:30	21° <b>8</b> 00'23	0.68384 AU	asc. node	13500 Apr 10 16:24	9° <b>8</b> 48'19	
inferior conj	13499 May 01 16:40	19° <b>8</b> 39'41	2°13'46	min. Earth dist.	13500 Apr 14 08:37	5° <b>8</b> 44'01	0.67455 AU
minimum elong	13499 May 01 14:30	19° <b>8</b> 46'53	2°12'27	inferior conj	13500 Apr 15 21:13	3° <b>8</b> 48'11	1°33'44
morning rise	13499 May 07 01:25	13° <b>8</b> 41'07		minimum elong	13500 Apr 15 19:16	3° <b>8</b> 54'23	1°32'35
direct	13499 May 10 21:10	12° <b>8</b> 17'30			13500 Apr 19 02:49	30° <b>Ŗ</b> ♈	
morning max el	13499 May 18 07:18	16° <b>8</b> 25'07	19°47'48	morning rise	13500 Apr 21 12:25	27° <b>Y</b> ′59'14	
desc. node	13499 May 26 20:51	26° <b>8</b> 55'14		direct	13500 Apr 24 20:47	26° <b>Y</b> ′55'07	
	13499 May 29 01:20	$\Pi^{\circ}0$			13500 May 01 00:24	$9^{\circ}$ 8	
greatest brilliancy	13499 May 31 07:22	3° <b>Ⅱ</b> 15′08	-0.6m	morning max el	13500 May 01 14:40	0° <b>ප</b> 33'45	18°52'16
morning set	13499 Jun 13 18:25	23° <b>川</b> 31'21		desc. node	13500 May 13 17:37	16° <b>8</b> 37'20	
	13499 Jun 17 23:06	$0$ $\circ$ $\odot$		greatest brilliancy	13500 May 15 06:27	18° <b>8</b> 56'43	-0.8m
max. Earth dist.	13499 Jun 24 21:27	10° <b>©</b> 51'53	1.44693 AU		13500 May 22 10:37	$\Pi$ $^{\circ}0$	
				morning set	13500 May 24 02:50	2° <b>Ⅲ</b> 36′07	
superior conj	13499 Jun 29 19:48	18° <b>5</b> 44'55	-2°08'34	max. Earth dist.	13500 Jun 07 14:38	25° <b>Ⅱ</b> 10′17	1.45624 AU
minimum elong	13499 Jun 30 00:38	19° <b>5</b> 04'25	2°09'23				
	13499 Jul 06 16:49	$0^{\circ}\Omega$		superior conj	13500 Jun 09 10:33	28° <b>Ⅱ</b> 02'19	-2°12'45
evening rise	13499 Jul 13 09:30	11° <b>Ω</b> 14′18		minimum elong	13500 Jun 09 08:18	27° <b>Ⅱ</b> 53'28	2°13'45
asc. node	13499 Jul 20 17:49	23° <b>Ω</b> 35'51			13500 Jun 10 16:32	$0$ $\circ$	
	13499 Jul 24 18:23	0° <b>m</b>		evening rise	13500 Jun 24 14:34	22° <b>©</b> 10'17	
evening max el	13499 Jul 31 06:24	8° <b>m</b> 24'31	18°07'21		13500 Jun 29 10:55	$0$ $\circ$ $\Omega$	
retrograde	13499 Aug 06 15:21	11° <b>m</b> 45'03		asc. node	13500 Jul 07 14:36	12° <b>Ω</b> 46'46	
evening set	13499 Aug 09 09:52	11° <b>m</b> )05'01		evening max el	13500 Jul 14 19:45	22° <b>Ω</b> 01'42	18°29'15
inferior conj	13499 Aug 15 14:11	5° <b>m</b> 47'29	2°00'04	retrograde	13500 Jul 21 06:44	25° <b>Ω</b> 30′09	
minimum elong	13499 Aug 15 16:41	5° <b>m</b> 40'40	1°58'49	evening set	13500 Jul 24 09:53	24° <b>Ω</b> 35′06	
min. Earth dist.	13499 Aug 18 07:02	2° <b>m</b> 51'59	0.63101 AU	inferior conj	13500 Jul 30 03:44	19° <b>Ω</b> 01'44	2°39'58
	13499 Aug 21 08:20	30°R€		minimum elong	13500 Jul 30 05:54	18° <b>Ω</b> 55'14	2°38'45
morning rise	13499 Aug 21 21:30	29° <b>£</b> 34′19		min. Earth dist.	13500 Aug 01 06:55	16° <b>Ω</b> 28'41	0.65111 AU
desc. node	13499 Aug 22 18:47	28° <b>Ω</b> 56'55		morning rise	13500 Aug 05 00:44	12° <b>Ω</b> 39'43	
direct	13499 Aug 28 13:27	27° <b>Ω</b> 04'33		desc. node	13500 Aug 09 16:16	10°Ω12'30	
	13499 Sep 05 13:01	0° <b>m</b> )		direct	13500 Aug 11 12:35	10°Ω00'12	
morning max el	13499 Sep 11 13:19	5° Mp 06'24	27°50'25	morning max el	13500 Aug 25 00:04	17° <b>Ω</b> 55'54	27°10'14
	13499 Sep 30 08:37	0° <b>⊽</b>			13500 Sep 04 03:17	0° <b>m</b> )	
morning set	13499 Oct 16 01:49	28° <b>₽</b> 19'17			13500 Sep 23 06:47	0∘ <b>⊽</b>	
asc. node	13499 Oct 16 19:47	29° <b>₽</b> 50'19		morning set	13500 Sep 29 12:41	11° <b>Ω</b> 37'44	
Earth diet	13499 Oct 16 21:41	0°M	1 22125 ATT	asc. node	13500 Oct 03 16:22 13500 Oct 03 21:32	19° <b>£</b> 53′28	1 22400 ATT
max. Earth dist.	13499 Oct 21 03:58	8°M54'56	1.32135 AU	max. Earth dist.	13500 Oct 03 21:32	20° <b>£</b> 19'53	1.33408 AU
superior conj	13499 Oct 23 19:07	14°M36'16	1°02'21	superior conj	13500 Oct 07 22:09	28° <b>≏</b> 43'05	0°39'25
minimum elong	13499 Oct 23 16:51	14°M23'52	1°02'39	minimum elong	13500 Oct 07 22:09 13500 Oct 07 20:19	28° <b>£</b> 33'20	0°39'28
evening rise	13499 Oct 30 15:02	29°M31'40	1 02 39	minimum ciong	13500 Oct 07 20:19 13500 Oct 08 12:39	28 <b>=</b> 33 20 0° <b>M</b>	0 39 28
evening rise	13499 Oct 30 13:02	29 <b>110</b> 31 <b>4</b> 0		evening rise	13500 Oct 06 12:37 13500 Oct 15 01:41	14°ML00'28	
	13499 Nov 16 10:12	0°ਰ		evening rise	13500 Oct 13 01:41 13500 Oct 23 01:44	0° <b>√</b>	
desc. node	13499 Nov 18 15:09	。3 2° <b>る</b> 54'51		evening max el	13500 Nov 04 23:35	18° <b>×</b> <sup>7</sup> 21'07	22°02'05
evening max el	13499 Nov 23 11:55	8°る19'20	23°43'28	desc. node	13500 Nov 05 12:26	18° <b>×</b> 51'58	
retrograde	13499 Dec 06 23:46	15° <b>る</b> 02'27		retrograde	13500 Nov 17 14:15	24° <b>х</b> 36′12	
evening set	13499 Dec 11 15:46	14°る15'02		evening set	13500 Nov 20 20:32	24°×712'33	
min. Earth dist.	13499 Dec 17 22:37	11° <b>る</b> 12'52	0.55426 AU	min. Earth dist.	13500 Nov 29 05:01	20° <b>∡</b> ³30′17	0.54585 AU
inferior conj	13499 Dec 19 18:52	10° <b>る</b> 07'13		inferior conj	13500 Nov 29 13:52	20° <b>∡</b> 17'54	-5°49'01
minimum elong	13499 Dec 19 22:59	10° <b>ප</b> 01'06	5°48'23	minimum elong	13500 Nov 29 09:07	20° <b>х</b> 24'32	
morning rise	13499 Dec 28 08:01	6° <b>ප</b> 12'54		morning rise	13500 Dec 07 22:45	16° <b>∡</b> ′30′36	
direct	13499 Dec 31 00:08	5° <b>る</b> 55'12		direct	13500 Dec 11 10:46	16° <b>₹</b> '03'28	
morning max el	13500 Jan 10 16:07	11° <b>る</b> 01'28	20°14'53	morning max el	13500 Dec 23 15:12	21° <b>₹</b> ′53′28	21°46'44
asc. node	13500 Jan 12 19:44	13° <b>ठ</b> 17'14		-	13500 Dec 30 10:36	8°0	
	13500 Jan 23 14:16	0° <b>≈</b>		asc. node	13500 Dec 30 16:55	0° <b>る</b> 22'38	
morning set	13500 Jan 28 23:36	10° <b>≈</b> 41′00		morning set	13501 Jan 13 09:33	25° <b>පි</b> 25'18	
-				-	13501 Jan 15 13:31	0° <b>≈</b>	
superior conj	13500 Feb 05 14:51	26° <b>≈</b> 19′18	1°08'32				
minimum elong	13500 Feb 05 17:35	26° <b>≈</b> 32'59	1°08'50	superior conj	13501 Jan 20 13:13	10° <b>≈</b> 34'07	1°25'00
	13500 Feb 07 11:04	0° <b>∀</b>		minimum elong	13501 Jan 20 15:22	10° <b>≈</b> 45′18	1°25'39
max. Earth dist.	13500 Feb 11 06:28	7° <b>¥</b> 23'17	1.36610 AU	max. Earth dist.	13501 Jan 24 18:23	19° <b>≈</b> 14'34	1.34639 AU
desc. node	13500 Feb 14 15:21	13° <b>¥</b> 39'45		evening rise	13501 Jan 29 00:04	27° <b>≈</b> 33'19	
evening rise	13500 Feb 15 01:18	14° <b>)</b> 24′57			13501 Jan 30 07:05	0° <b>)</b> €	

desc. node	13501 Feb 01 11:57	4° <b>₩</b> 04'13		minimum elong	13502 Jan 04 19:24	25° <b>ප</b> 11'35	1°35'41
	13501 Feb 17 10:15	0° <b>Υ</b>			13502 Jan 07 01:09	0° <b>≈</b>	
evening max el	13501 Mar 05 03:05	19° <b>Y</b> 19'49	26°47'17	max. Earth dist.	13502 Jan 07 14:12		1.33058 AU
retrograde	13501 Mar 18 08:01	26° <b>Y</b> 44'40		evening rise	13502 Jan 12 11:20	11° <b>≈</b> 12'13	
evening set	13501 Mar 24 18:57	24° <b>Y</b> 12′28		desc. node	13502 Jan 19 08:37	24°≈16′03	
asc. node	13501 Mar 28 13:51	20° <b>Y</b> 27'55			13502 Jan 22 15:10	0° <b>)</b> €	
min. Earth dist.	13501 Mar 28 19:19	20° <b>Y</b> 12'17	0.66117 AU		13502 Feb 12 22:45	0°Υ •••••	
inferior conj	13501 Mar 30 20:11	17° <b>Y</b> 48'50	0°42'43	evening max el	13502 Feb 15 16:21	2° <b>Υ</b> 46'57	27°24'20
minimum elong	13501 Mar 30 19:05	17° <b>℃</b> 52'04	0°42'05	retrograde	13502 Mar 01 07:41	10° <b>Y</b> 14′00	
morning rise	13501 Apr 05 20:28	12° <b>Υ</b> 11'11 11° <b>Υ</b> 24'00		evening set	13502 Mar 08 02:12	7° <b>Ƴ</b> 44'41 4° <b>Ƴ</b> 16'11	0.64410.411
direct	13501 Apr 08 18:38	14° <b>Y</b> ′46'12	18°13'16	min. Earth dist.	13502 Mar 11 22:22	1° <b>Υ</b> 34'34	0.64419 AU
morning max el	13501 Apr 15 04:04	0° <b>8</b>	18-13-10	inferior conj	13502 Mar 14 10:57 13502 Mar 14 11:33		
desc. node	13501 Apr 26 09:12 13501 Apr 30 14:18	6° <b>8</b> 40'40		minimum elong asc. node		0° <b>Υ</b> 30'02	0 1923
morning set	13501 Apr 30 14.18 13501 May 04 11:28	12° <b>8</b> 54'05		asc. node	13502 Mar 15 11:21 13502 Mar 15 23:03	0 13002 30°R <b>∺</b>	
morning set	13501 May 04 11:28 13501 May 15 05:19	0° <b>Ⅱ</b>		morning rise	13502 Mar 13 23:03	26° <b>)</b> 10'43	
	15501 Way 15 05.19	υщ		direct	13502 Mar 20 22:35	25° <b>H</b> 37'12	
superior conj	13501 May 19 18:32	7° <b>Ⅱ</b> 08'47	-1°56'45	morning max el	13502 Mar 29 21:03	28° <b>)</b> 54'33	17°51'19
minimum elong	13501 May 19 10:07	6° <b>П</b> 35'52		morning max cr	13502 Mar 30 22:20	20 <b>γ</b> (3 <b>-</b> 33	17 31 17
max. Earth dist.	13501 May 17 10:07	9° <b>∏</b> 44'49	1.45823 AU	morning set	13502 Apr 16 00:20	24°Υ33'56	
max. Lartii dist.	13501 Jun 03 10:39	0.8e	1.43023 710	desc. node	13502 Apr 17 10:53	26° <b>Υ</b> 58'37	
evening rise	13501 Jun 04 19:44	2° <b>©</b> 08'42		desc. node	13502 Apr 19 06:20	0°8	
greatest brilliancy	13501 Jun 16 01:47	19° <b>©</b> 31'30	-0.7m		15502 Apr 17 00:20	۰ <b>ن</b>	
greatest offinally	13501 Jun 23 08:12	0°Ω	0.7111	superior conj	13502 Apr 29 13:03	16° <b>8</b> 48'40	-1°24'39
asc. node	13501 Jun 24 11:31	1°Ω28'56		minimum elong	13502 Apr 29 04:42	16° <b>8</b> 15'11	
evening max el	13501 Jun 28 05:36	5° <b>Ω</b> 47'21	19°08'18	max. Earth dist.	13502 May 04 06:22	24° <b>8</b> 18'57	1.45278 AU
retrograde	13501 Jul 05 03:03	9° <b>Ω</b> 36'31			13502 May 07 21:24	0°II	
evening set	13501 Jul 08 15:19	8° <b>Ω</b> 25'00		evening rise	13502 May 15 09:06	11° <b>Ⅱ</b> 33'49	
inferior conj	13501 Jul 14 02:14	2° <b>Ω</b> 37'15	3°03'00	•	13502 May 27 14:27	$0$ $\circ$ $\odot$	
minimum elong	13501 Jul 14 03:32	2° <b>Ω</b> 33′02	3°01'55	greatest brilliancy	13502 May 30 08:31	4° <b>5</b> 01'38	-0.6m
min. Earth dist.	13501 Jul 15 14:49	0° <b>Ω</b> 39'22	0.66754 AU	asc. node	13502 Jun 11 08:34	19° <b>5</b> 31'44	
	13501 Jul 16 03:19	30° <b>₹</b> 5		evening max el	13502 Jun 11 10:06	19° <b>©</b> 35'37	20°03'09
morning rise	13501 Jul 19 15:08	26° <b>©</b> 13'02		retrograde	13502 Jun 19 01:40	23° <b>9</b> 57'16	
direct	13501 Jul 25 18:43	23° <b>©</b> 33'48		evening set	13502 Jun 22 23:38	22° <b>©</b> 28'45	
desc. node	13501 Jul 27 13:41	23° <b>5</b> 45'38		inferior conj	13502 Jun 28 06:43	16° <b>©</b> 27'51	3°12'06
	13501 Aug 06 07:30	$0^{\circ}\Omega$		minimum elong	13502 Jun 28 06:59	16° <b>5</b> 26'56	3°11'05
morning max el	13501 Aug 07 11:03	1° <b>Ω</b> 07'58	26°04'05	min. Earth dist.	13502 Jun 29 04:58	15° <b>©</b> 12'26	0.67951 AU
	13501 Aug 29 03:53	0° <b>™</b>		morning rise	13502 Jul 03 14:01	10° <b>©</b> 05'41	
morning set	13501 Sep 12 10:32	24° <b>m</b> 19'03		direct	13502 Jul 09 06:33	7° <b>©</b> 35'20	
	13501 Sep 15 10:59	0∘ <b>ত</b>		desc. node	13502 Jul 14 10:59	9° <b>©</b> 14'34	
max. Earth dist.	13501 Sep 16 05:04	1° <b>Ω</b> 26'54	1.35190 AU	morning max el	13502 Jul 20 21:25	14° <b>©</b> 33'04	24°41'31
asc. node	13501 Sep 20 12:56	10° <b>ഫ</b> 00'00			13502 Aug 02 12:17	$0$ ° $\Omega$	
					13502 Aug 22 00:37	0° m/y	
superior conj	13501 Sep 21 17:44	12° <b>Ω</b> 26'02		morning set	13502 Aug 25 15:14	6° Mp 13'19	1 27250 ATT
minimum elong	13501 Sep 21 17:05	12° <b>Ω</b> 22'45	0°11'17	max. Earth dist.	13502 Aug 29 05:09	12° Mp 37'28	1.37358 AU
behind sun begin	13501 Sep 21 12:44	12° <b>£</b> 00'36 12° <b>£</b> 44'56			13502 Sep 05 02:41	250m 27117	0921100
behind sun end	13501 Sep 21 21:26			superior conj	1	25° Mp 37'17	
evening rise	13501 Sep 29 09:59 13501 Sep 30 05:10	28° <b>£</b> 20'57 0° <b>I</b> L		minimum elong asc. node	13502 Sep 05 04:05 13502 Sep 07 09:31	25° Mp 44'08 0° <b>⊆</b> 06'19	0°21'04
evening max el	13501 Oct 17 21:35	28°M.50'10	20°32'42	asc. node	13502 Sep 07 09:31 13502 Sep 07 08:15	0∘ <b>⊽</b>	
Svennig max ei	13501 Oct 17 21:33 13501 Oct 19 03:17	28 IIC30 10 0° 🗷	20 32 72	evening rise	13502 Sep 07 08:13 13502 Sep 13 13:35	0 <b>==</b> 12° <b>⊆</b> 27'11	
desc. node	13501 Oct 19 03:17 13501 Oct 23 09:50	2° <b>×</b> 758'21		evening rise	13502 Sep 13 13:53 13502 Sep 22 21:54	0°M	
retrograde	13501 Oct 29 00:56	4° <b>₹</b> 22'20		evening max el	13502 Sep 22 21:51 13502 Sep 30 09:45	10°M06'04	19°23'29
evening set	13501 Oct 31 06:34	4° <b>∡</b> °09'58		retrograde	13502 Oct 09 21:21	14°M50'46	
inferior conj	13501 Nov 09 05:56	0° <b>∡</b> 15'02	-4°48'48	desc. node	13502 Oct 10 07:17	14°M50'15	
minimum elong	13501 Nov 08 19:56	0° <b>₹</b> 29'30		evening set	13502 Oct 11 18:05	14° <b>M</b> 40'34	
0	13501 Nov 09 16:18	30°RM		inferior conj	13502 Oct 20 09:29	10°M32'40	-3°08'25
min. Earth dist.	13501 Nov 10 11:45	29°M31'52	0.54663 AU	minimum elong	13502 Oct 20 01:28	10°M45'43	3°04'54
morning rise	13501 Nov 17 09:00	26°M16'23		min. Earth dist.	13502 Oct 22 21:42	8°M54'55	0.55654 AU
direct	13501 Nov 21 19:33	25°M34'02		morning rise	13502 Oct 28 06:38	6° <b>™</b> 03'59	
	13501 Dec 02 18:28	0° <b>∡</b> ¹		direct	13502 Nov 02 13:30	5°M00'53	
morning max el	13501 Dec 05 03:24	2° <b>₹</b> 03'36	23°33'34	morning max el	13502 Nov 16 13:27	12°M03'30	25°20'10
asc. node	13501 Dec 17 14:01	18° <b>≯</b> 23'14			13502 Nov 30 08:18	0° <b>≯</b>	
	13501 Dec 23 22:48	5°0		asc. node	13502 Dec 04 11:00	7° <b>∡</b> 05'21	
morning set	13501 Dec 28 21:17	10° <b>る</b> 11'07		morning set	13502 Dec 13 09:02	24° <b>₹</b> ′53'35	
					13502 Dec 15 17:25	0°ප	
superior conj	13502 Jan 04 18:15	25° <b>る</b> 05'20	1°34'46				

gumariar agni	12502 Day 20, 02:21	9° <b>る</b> 46'07	1°38'11	minimum alana	12502 Dag 04 12:51	240.722152	1026124
superior conj	13502 Dec 20 03:31	9° <b>3</b> 46'26		minimum elong	13503 Dec 04 13:51	24° <b>₹</b> 23'52 25° <b>₹</b> 23'33	
minimum elong max. Earth dist.	13502 Dec 20 03:34 13502 Dec 21 17:13	13° <b>る</b> 13'42	1°39'13 1.31940 AU	max. Earth dist.	13503 Dec 05 00:33 13503 Dec 07 02:15	25° <b>x</b> '25'33	1.31320 AU
evening rise	13502 Dec 21 17:13 13502 Dec 27 08:01	15 <b>3</b> 13 42 25° <b>3</b> 14'03	1.31940 AU	evening rise	13503 Dec 07 02.13 13503 Dec 11 11:24	0 3 9° <b>る</b> 31'09	
evening rise	13502 Dec 27 08:01 13502 Dec 29 16:17	25 <b>℃</b> 1405		evening rise	13503 Dec 21 24:00	9° <b>≈</b>	
desc. node	13502 Dec 29 10:17 13503 Jan 06 05:25	0 ∞ 14°≈09'32		desc. node	13503 Dec 21 24:00 13503 Dec 24 02:18	0 ∞ 3°≈36'12	
desc. node	13503 Jan 16 03:31	0° <b>)</b> €		evening max el	13504 Jan 11 08:38	27°≈56'58	27°07'59
evening max el	13503 Jan 29 03:05	15° <b>)</b> 43'43	27°32'40	evening max er	13504 Jan 13 16:05	27 <b>≈</b> 3038	27 0739
retrograde	13503 Feb 11 23:55	23° <b>¥</b> 06'17	27 32 47	retrograde	13504 Jan 25 07:47	5° <b>∺</b> 11'36	
evening set	13503 Feb 18 21:54	20° <b>)</b> 47'02		evening set	13504 Feb 01 02:48	3° <b>¥</b> 10'42	
min. Earth dist.	13503 Feb 22 15:56	17° <b>)</b> 45'41	0.62431 AU	min. Earth dist.	13504 Feb 04 23:03	0° <b>¥</b> 28′10	0.60265 AU
inferior conj	13503 Feb 25 14:31	14° <b>¥</b> 57'52		mm. Earth dist.	13504 Feb 05 12:55	30°R≈	0.00203710
minimum elong	13503 Feb 25 17:41	14° <b>)</b> 50'18		inferior conj	13504 Feb 08 03:19	27° <b>≈</b> 49'05	-2°54'46
asc. node	13503 Mar 02 08:49	10° <b>¥</b> 59'12	1 312.	minimum elong	13504 Feb 08 09:36	27°≈35'55	
morning rise	13503 Mar 02 06:19	9° <b>X</b> 50'51		morning rise	13504 Feb 15 19:34	23°≈01'51	2 31 17
direct	13503 Mar 06 22:26	9° <b>¥</b> 27'28		asc. node	13504 Feb 17 06:14	22° <b>≈</b> 46'36	
morning max el	13503 Mar 13 14:40	12° <b>)</b> 50'51	17°46'55	direct	13504 Feb 17 21:11	22°≈45'03	
morning man er	13503 Mar 25 08:10	0°Υ	1, 1000	morning max el	13504 Feb 25 05:27	26°≈25'05	18°01'05
morning set	13503 Mar 29 12:59	7° <b>Υ</b> 21'17		morning max or	13504 Feb 28 07:58	0° <b>∀</b>	10 01 05
desc. node	13503 Apr 04 07:27	17° <b>Y</b> ′26'43		morning set	13504 Mar 11 19:15	20° <b>¥</b> 57'15	
dese. node	13303 11p1 01 07.27	17 12013		morning sec	13504 Mar 16 17:09	0°Υ	
superior conj	13503 Apr 10 05:40	27° <b>Y</b> ′31'52	-0°45'12	desc. node	13504 Mar 21 03:57	8° <b>Υ</b> '00'46	
minimum elong	13503 Apr 10 01:15	27° <b>Υ</b> 13'22	0°44'55	desc. Hode	1330111111 21 03.37	0 1 00 10	
minimum crong	13503 Apr 11 17:15	0°8	0 1133	superior conj	13504 Mar 21 22:20	9° <b>Y</b> 21'59	-0°06'06
max. Earth dist.	13503 Apr 16 23:41	8° <b>8</b> 36'03	1.44047 AU	minimum elong	13504 Mar 21 21:49	9° <b>Υ</b> 19'44	
evening rise	13503 Apr 24 22:02	21° <b>8</b> 05'58	1.1.01,110	behind sun begin	13504 Mar 21 14:27	8° <b>Υ</b> 47'11	0 00 00
evening noe	13503 Apr 30 18:00	0°II		behind sun end	13504 Mar 22 05:12	9° <b>Υ</b> ′52'13	
	13503 May 22 06:03	0°es		max. Earth dist.	13504 Mar 29 12:15	22° <b>Y</b> '20'24	1.42262 AU
evening max el	13503 May 25 08:39	3°524'02	21°11'15	man Barur Gige.	13504 Apr 03 04:53	0°8	12202110
asc. node	13503 May 29 05:41	6°\$42'27	21 11 10	evening rise	13504 Apr 04 00:41	1° <b>8</b> 19'13	
retrograde	13503 Jun 03 00:30	8°926'52		evening rise	13504 Apr 23 05:05	0°II	
evening set	13503 Jun 07 08:50	6°9541'46		evening max el	13504 May 07 02:10	17° <b>Ⅱ</b> 13'20	22°28'35
inferior conj	13503 Jun 12 14:47	0°\$29'16	3°09'18	asc. node	13504 May 15 02:53	22° <b>I</b> I45'42	
minimum elong	13503 Jun 12 14:04	0°931'44	3°08'13	retrograde	13504 May 16 21:50	23° <b>I</b> I00'24	
minimum crong	13503 Jun 12 13:01	30°RⅡ	3 00 13	evening set	13504 May 21 17:12	20°II 59'55	
min. Earth dist.	13503 Jun 12 23:24	29° <b>∏</b> 59'14	0.68675 AU	inferior conj	13504 May 27 00:20	14° <b>∏</b> 38'02	2°55'48
morning rise	13503 Jun 17 19:05	24° <b>I</b> 11'40	0.00070110	minimum elong	13504 May 26 22:49	14° <b>∏</b> 43'19	2°54'36
direct	13503 Jun 22 23:09	21° <b>II</b> 56'27		min. Earth dist.	13504 May 26 20:01	14° <b>∏</b> 53'05	0.68924 AU
desc. node	13503 Jul 01 08:12	26° <b>I</b> 12'25		morning rise	13504 Jun 01 04:17	8° <b>Ⅱ</b> 26'40	0.0032.110
morning max el	13503 Jul 03 08:09	28° <b>I</b> 106'33	23°12'07	direct	13504 Jun 05 19:32	6° <b>П</b> 30'23	
morning man er	13503 Jul 05 03:17	0.2 2022	23 12 0 ,	morning max el	13504 Jun 14 21:48	11° <b>II</b> 48'30	21°44'49
	13503 Jul 27 04:14	$0^{\circ}\Omega$		desc. node	13504 Jun 17 05:18	14° <b>Ⅱ</b> 16'13	
morning set	13503 Aug 06 22:06	17° <b>Ω</b> 08'55		dese. Hode	13504 Jun 29 06:58	0.2 1. 21012	
max. Earth dist.	13503 Aug 11 03:22	24°Ω18'13	1.39703 AU	morning set	13504 Jul 17 03:57	26°\$58'50	
man zam ust.	13503 Aug 14 09:27	0° m)	1.59,705 110	morning sec	13504 Jul 19 01:13	0°Ω	
				max. Earth dist.	13504 Jul 23 05:10		1.41954 AU
superior conj	13503 Aug 18 21:02	8° m 06'52	-0°56'03	man Barur Gige.	1500.001 25 00.10	0 001,737	1.11301110
minimum elong	13503 Aug 19 01:10	8° m 25'55		superior conj	13504 Jul 30 20:23	19° <b>Ω</b> 45'17	-1°30'08
asc. node	13503 Aug 25 06:06	20° m/08'18		minimum elong	13504 Jul 31 03:01	20° <b>Ω</b> 14'16	
evening rise	13503 Aug 28 09:29	26° m 10'43			13504 Aug 05 14:45	0° m)	
<i>8</i> 11	13503 Aug 30 09:21	0∘ <u>⊽</u>		evening rise	13504 Aug 10 17:55	9° m/22'03	
evening max el	13503 Sep 13 10:23	22° <b>≏</b> 08'55	18°36'11	asc. node	13504 Aug 11 02:43	10° <b>m</b> 02'24	
retrograde	13503 Sep 21 11:44	26° <b>≏</b> 12'38			13504 Aug 22 19:39	0∘ <u>v</u>	
evening set	13503 Sep 23 10:31	25° <b>≏</b> 59'09		evening max el	13504 Aug 26 19:32	4° <b>م</b> 50'53	18°09'51
desc. node	13503 Sep 27 04:48	24° <b>Ω</b> 25'27		retrograde	13504 Sep 02 20:42	8° <b>≏</b> 26'20	
inferior conj	13503 Oct 01 09:14	21° <b>≏</b> 31'51	-1°19'38	evening set	13504 Sep 05 02:19	8° <b>ഫ</b> 05'12	
minimum elong	13503 Oct 01 06:01	21° <b>Ω</b> 37'57		inferior conj	13504 Sep 12 06:36	3° <b>Ω</b> 17'17	0°15'13
min. Earth dist.	13503 Oct 04 13:37	19° <b>Ω</b> 07'31	0.57378 AU	minimum elong	13504 Sep 12 07:07	3° <b>₽</b> 16'09	0°14'58
morning rise	13503 Oct 08 22:04	16° <b>Ω</b> 25'15		transit middle	13504 Sep 12 07:07	3° <b>Ω</b> 16'09	0°14'58
direct	13503 Oct 14 21:44	14° <b>Ω</b> 55'53		transit begin	13504 Sep 12 05:49	3° <b>₾</b> 19'00	
morning max el	13503 Oct 29 04:41	22° <b>Ω</b> 25'24	26°47'51	transit end	13504 Sep 12 08:24	3° <b>₽</b> 13'18	
	13503 Nov 04 22:14	0°M	,	desc. node	13504 Sep 12 00:24 13504 Sep 13 02:19	2° <b>£</b> 33'21	
asc. node	13503 Nov 21 07:53	26°M17'32		min. Earth dist.	13504 Sep 15 13:28	0° <b>ഫ</b> 23'48	0.59542 AU
	13503 Nov 23 05:21	0° <b>√</b>			13504 Sep 16 00:56	30°RM)	
morning set	13503 Nov 27 18:56	9° <b>∡</b> ¹26'48		morning rise	13504 Sep 19 08:33	27° mp 37'16	
				direct	13504 Sep 25 19:45	25° m/40'14	
superior conj	13503 Dec 04 14:49	24° <b>∡</b> ¹29'18	1°35'36	*****	13504 Oct 06 04:35	0° <b>ي</b>	
-ry		. 27 10				-	

·	2		· ·	. , , ,			
morning max el	13504 Oct 10 03:25	3° <b>≏</b> 28'58	27°42'28		13505 Oct 04 08:31	0∘ <b>ত</b>	
	13504 Oct 29 14:21	0°M			13505 Oct 22 04:37	0° <b>M</b>	
asc. node	13504 Nov 07 04:40	15°M51'46		asc. node	13505 Oct 25 01:22	5° <b>M</b> 41′18	
morning set	13504 Nov 11 01:15	23°M46'19		morning set	13505 Oct 26 01:59	7° <b>M</b> 46'57	
	13504 Nov 13 22:55	0° <b>∡</b> 7		max. Earth dist.	13505 Oct 31 14:16	19° <b>M</b> 29'41	1.31645 AU
max. Earth dist.	13504 Nov 17 08:47	7° <b>∡</b> ³31'46	1.31219 AU				
				superior conj	13505 Nov 02 12:09	23°M41'32	1°13'04
superior conj	13504 Nov 18 02:20	9° <b>∡</b> °09'36	1°27'12	minimum elong	13505 Nov 02 09:55	23°M29'13	1°13'32
minimum elong	13504 Nov 18 00:32	8° <b>₹</b> 59'39 -	1°27'57		13505 Nov 05 08:34	0° <b>∡</b> ¹	
evening rise	13504 Nov 24 19:18	23° <b>₹</b> 58′20		evening rise	13505 Nov 09 05:44	8° <b>∡</b> 730′26	
	13504 Nov 27 15:52	0°る			13505 Nov 20 04:18	0°る	
desc. node	13504 Dec 09 23:17	22°る25'57 0°≈		desc. node	13505 Nov 26 20:24	10°る24'58 19°る52'28	24941125
evening max el	13504 Dec 15 04:12 13504 Dec 23 06:48	0 ≈ 9°≈19'09	26°08'50	evening max el retrograde	13505 Dec 04 20:58 13505 Dec 18 14:51	19 <b>3</b> 32 28 26° <b>る</b> 44'16	24 41 23
retrograde	13505 Jan 06 05:33	16°≈23'32	20 00 30	evening set	13505 Dec 24 00:16	25°₹39'56	
evening set	13505 Jan 12 12:55	14°≈48'49		min. Earth dist.	13505 Dec 29 08:46	22° <b>る</b> 52'43	0.56259 AU
min. Earth dist.	13505 Jan 16 20:06		0.58120 AU	inferior conj	13505 Dec 31 19:45	21° <b>る</b> 19'33	
inferior conj	13505 Jan 19 21:49	9° <b>≈</b> 58'41	-4°17'27	minimum elong	13506 Jan 01 03:13	21° <b>る</b> 07'44	
minimum elong	13505 Jan 20 06:28	9° <b>≈</b> 42'59	4°14'01	morning rise	13506 Jan 09 08:14	17° <b>る</b> 14'56	
morning rise	13505 Jan 28 02:57	5° <b>≈</b> 33'00		direct	13506 Jan 11 16:31	16° <b>る</b> 59'53	
direct	13505 Jan 30 04:14	5° <b>≈</b> 19'08		asc. node	13506 Jan 21 00:57	21° <b>る</b> 19'13	
asc. node	13505 Feb 03 03:38	6°≈14'12		morning max el	13506 Jan 21 10:49	21° <b>る</b> 42'36	19°31'49
morning max el	13505 Feb 07 13:32	9° <b>≈</b> 26'04	18°35'23		13506 Jan 28 00:09	0° <b>≈</b>	
	13505 Feb 20 21:57	0° <b>)</b> {		morning set	13506 Feb 07 16:36	19° <b>≈</b> 35'50	
morning set	13505 Feb 23 13:46	5° <b>)</b> €05'55			13506 Feb 12 20:40	0° <b>∺</b>	
superior conj	13505 Mar 04 11:39	22° <b>)</b> €08'28	0°28'14	superior conj	13506 Feb 15 17:05	5° <b>)</b> 38'54	0°55'51
minimum elong	13505 Mar 04 11:39 13505 Mar 04 13:32	22° <del>X</del> 17'10	0°28'10	minimum elong	13506 Feb 15 17:05	5° <b>¥</b> 52'16	0°55'58
desc. node	13505 Mar 08 00:26	28° <b>)</b> 36'54	0 20 10	max. Earth dist.	13506 Feb 22 02:49	17° <b>¥</b> 49′02	1.37873 AU
dese. node	13505 Mar 08 18:56	0°Υ		desc. node	13506 Feb 22 20:56	19° <b>)</b> 11'53	1.57075110
max. Earth dist.	13505 Mar 11 20:20	5° <b>Υ</b> 23'40	1.40124 AU	evening rise	13506 Feb 25 19:59	24° <b>¥</b> 29'51	
evening rise	13505 Mar 15 23:54	12° <b>Y</b> 27'41		· ·	13506 Mar 01 00:21	$0^{\circ}$ Y	
	13505 Mar 27 00:48	0° <b>႘</b>			13506 Mar 20 17:01	$9^{\circ}$ 8	
	13505 Apr 18 15:17	$\Pi$ °0		evening max el	13506 Apr 02 06:24	14° <b>8</b> 58'19	25°07'38
evening max el	13505 Apr 19 16:45	1° <b>Ⅱ</b> 04'52	23°49'37	retrograde	13506 Apr 14 06:33	21° <b>8</b> 56'28	
retrograde	13505 Apr 30 16:14	7° <b>∏</b> 32'02		asc. node	13506 Apr 18 21:32	20° <b>8</b> 24'48	
asc. node	13505 May 02 00:10	7° <b>Ⅱ</b> 24'04		evening set	13506 Apr 20 01:09	19° <b>8</b> 31'58	
evening set	13505 May 05 23:09	5° <b>Ⅱ</b> 18'11	0.60711.411	min. Earth dist.	13506 Apr 24 10:54	_	0.68047 AU
min. Earth dist.	13505 May 10 16:34 13505 May 10 12:55	29°04/'38 30°R <b>と</b>	0.68711 AU	inferior conj minimum elong	13506 Apr 25 16:17 13506 Apr 25 14:08	13° <b>8</b> 01'25 13° <b>8</b> 08'26	
inferior conj	13505 May 10 12:35	28° <b>8</b> 49'56	2°32'05	morning rise	13506 May 01 03:26	7° <b>8</b> 06'37	1 3049
minimum elong	13505 May 11 07:25	28° <b>8</b> 56'53		direct	13506 May 04 18:19	5° <b>8</b> 51'19	
morning rise	13505 May 16 15:41	22° <b>8</b> 46'10	2 30 .0	morning max el	13506 May 11 20:24		19°22'09
direct	13505 May 20 18:25	21° <b>8</b> 10'29		desc. node	13506 May 21 23:05	22° <b>8</b> 34'30	
morning max el	13505 May 28 17:18	25° <b>8</b> 40'49	20°26'38	greatest brilliancy	13506 May 24 13:38	26° <b>8</b> 22'54	-0.7m
	13505 Jun 01 14:37	$\Pi$ °0			13506 May 26 23:55	$\Pi^{\circ}0$	
desc. node	13505 Jun 04 02:15	3° <b>Ⅱ</b> 07'48		morning set	13506 Jun 05 13:55	14° <b>Ⅱ</b> 35'58	
	13505 Jun 22 16:05	0ಂ <b>ತಾ</b>			13506 Jun 15 12:17	0°ഇ	
morning set	13505 Jun 26 11:58	5°952'33	1 42052 433	max. Earth dist.	13506 Jun 18 04:52	4° <b>©</b> 13'24	1.45184 AU
max. Earth dist.	13505 Jul 05 13:43	20° <b>©</b> 09'07	1.43853 AU		12506 1 21 22 01	100005156	2012144
superior conj	13505 Jul 11 20:48	0° <b>Ω</b> 24'15	1050102	superior conj minimum elong	13506 Jun 21 22:01 13506 Jun 22 00:14	10°©05'56 10°©14'46	
minimum elong	13505 Jul 11 20.48 13505 Jul 12 03:38	0° <b>Ω</b> 52'33		minimum elong	13506 Jul 22 00.14 13506 Jul 04 04:41	10 914 40 0°Ω	2 13 43
minimum clong	13505 Jul 11 14:56	0° <b>Ω</b>	1 36 26	evening rise	13506 Jul 06 05:07	3° <b>Ω</b> 20'17	
evening rise	13505 Jul 24 10:07	21° <b>Ω</b> 48'50		asc. node	13506 Jul 15 20:06	19° <b>Ω</b> 07'37	
asc. node	13505 Jul 28 23:22	29° <b>Ω</b> 43'48			13506 Jul 23 13:21	0° m)	
	13505 Jul 29 03:07	0°mp		evening max el	13506 Jul 24 23:20	1° m/30'37	18°14'32
evening max el	13505 Aug 10 09:03	18° <b>m</b> 01'07	18°02'59	retrograde	13506 Jul 31 07:53	4° m 52'37	
retrograde	13505 Aug 16 20:51	21°M 22'43		evening set	13506 Aug 03 06:09	4° <b>™</b> 06'14	
evening set	13505 Aug 19 10:39	20° <b>m</b> 50'16			13506 Aug 08 01:32	30°R <b>Ω</b>	
inferior conj	13505 Aug 25 22:42	15° Mp 43'00	1°28'08	inferior conj	13506 Aug 09 05:32	28° <b>Ω</b> 41'35	
minimum elong	13505 Aug 26 00:56	15° <b>m</b> 37'19	1°27'01	minimum elong	13506 Aug 09 07:59	28° <b>Ω</b> 34'35	
min. Earth dist.	13505 Aug 28 22:19	12° m/42'20	0.61834 AU	min. Earth dist.	13506 Aug 11 16:42	25° <b>Ω</b> 54'04	0.63999 AU
desc. node	13505 Aug 30 23:51	10° Mp 50'01		morning rise	13506 Aug 15 08:16	22° <b>Ω</b> 23'57	
morning rise	13505 Sep 01 12:42 13505 Sep 08 04:54	9°Mp39'17		desc. node	13506 Aug 17 21:22	20° <b>Ω</b> 46'49	
direct morning max el	13505 Sep 08 04:54 13505 Sep 22 08:41	7° Mp 19'11 15° Mp 18'27	27°58'25	direct morning max el	13506 Aug 21 23:07 13506 Sep 04 18:13	19° <b>Ω</b> 49'02 27° <b>Ω</b> 49'00	27°37'06
morning max ci	13303 Sep 22 00.41	1.5 ny 104/	21 30 23	morning max ci	13300 Sep 04 10.13	21 0647 00	41 3100

	12506 San 06 20:11	0° m/2		desc. node	12507 Aug 04 10:40	3° <b>Ω</b> 02′20	
	13506 Sep 06 20:11	0∘ <b>⊽</b>			13507 Aug 04 18:48	3°Ω02'20	
	13506 Sep 28 02:48 13506 Oct 09 18:42	0° <b>22</b> 21° <b>2</b> 22'27		direct	13507 Aug 05 01:08	10° <b>Ω</b> 50'27	26°44'51
morning set asc. node	13506 Oct 09 18.42 13506 Oct 11 21:59	21 <b>2</b> 22 27 25° <b>2</b> 40'38		morning max el	13507 Aug 18 05:30 13507 Sep 02 10:31	0°m)	20 44 31
asc. node	13506 Oct 11 21.39 13506 Oct 14 00:12	23 == 40 38 0°M			-	0∘ <b>⊽</b>	
max. Earth dist.			1.32612 AU	morning set	13507 Sep 20 15:38 13507 Sep 23 00:31	0 <u>≈</u> 4° <b>Ω</b> 26'32	
max. Earm dist.	13506 Oct 14 13:16	1 11608 23	1.32012 AU	morning set max. Earth dist.	13507 Sep 23 00.31 13507 Sep 27 02:56	4 <u>≈</u> 26 32 12° <u>≈</u> 26'10	1.34108 AU
gumariar agni	12506 Oat 17 19:19	7° <b>M</b> .58'59	0°53'18	asc. node		12 <b>2</b> 26 10 15° <b>2</b> 45'54	1.34106 AU
superior conj	13506 Oct 17 18:18	7°ML47'16		asc. node	13507 Sep 28 18:35	13 ==43 34	
minimum elong	13506 Oct 17 16:08		0°53'28		12507.0 + 01 10 21	210 0 56125	0020107
evening rise	13506 Oct 24 16:52	23°M01'55		superior conj	13507 Oct 01 18:31	21° <b>Ω</b> 56'35	0°28'06 0°28'06
	13506 Oct 28 00:29	0° द्र <sup>7</sup> 27° द्र <sup>7</sup> 13'28		minimum elong	13507 Oct 01 17:05	21° <b>≏</b> 49'06	0°28'06
desc. node	13506 Nov 13 17:38				13507 Oct 05 14:11	0°ጤ 7°ጤ28'16	
	13506 Nov 16 08:59	0°궁	22250140	evening rise	13507 Oct 09 02:49		
evening max el	13506 Nov 16 06:50	29° <b>₹</b> ′54'49	22°59'48		13507 Oct 21 01:27	0° <b>∡</b> 7	21021154
retrograde	13506 Nov 29 11:05	6° <b>る</b> 27'34		evening max el	13507 Oct 28 21:47	10° <b>₹</b> 03'43	21°21'54
evening set	13506 Dec 03 12:58	5°る51'25		desc. node	13507 Oct 31 14:58	12° <b>∡</b> 27′06	
min. Earth dist.	13506 Dec 10 15:58	2° <b>る</b> 34'35	0.54966 AU	retrograde	13507 Nov 09 22:51	16° <b>⋌</b> 02'44	
inferior conj	13506 Dec 11 22:23	1°る51'04		evening set	13507 Nov 12 16:51	15° <b>∡</b> '45'15	
minimum elong	13506 Dec 11 22:54	1°る50'19	5°55'41	inferior conj	13507 Nov 21 14:16	11° <b>⋌</b> '51'44	
	13506 Dec 15 07:12	30°Ŗ <b>⋌</b> ¹		minimum elong	13507 Nov 21 06:24	12° <b>∡</b> *02'47	
morning rise	13506 Dec 20 10:19	28° <b>∡</b> 01'53		min. Earth dist.	13507 Nov 21 21:57	11° <b>∡</b> ¹40'56	0.54497 AU
direct	13506 Dec 23 10:24	27° <b>х</b> 40'47		morning rise	13507 Nov 29 20:40	8° <b>∡</b> °02'24	
	13506 Dec 30 20:38	0°ප		direct	13507 Dec 03 18:05	7° <b>∡</b> °29'45	
morning max el	13507 Jan 03 18:04	3° <b>る</b> 05'08	20°51'28	morning max el	13507 Dec 16 11:50	13° <b>∡</b> ³37′00	22°31'10
asc. node	13507 Jan 07 22:12	7° <b>る</b> 45'36		asc. node	13507 Dec 25 19:21	25° <b>∡</b> 16'15	
	13507 Jan 20 22:32	0° <b>≈</b>			13507 Dec 28 16:53	0°ಕ	
morning set	13507 Jan 23 00:40	4° <b>≈</b> 17'07		morning set	13508 Jan 07 11:39	19° <b>そ</b> 03'01	
					13508 Jan 12 14:18	0° <b>≈</b>	
superior conj	13507 Jan 30 10:19	19° <b>≈</b> 40′31	1°16'22				
minimum elong	13507 Jan 30 12:51	19° <b>≈</b> 53'32	1°16'48	superior conj	13508 Jan 14 11:53	4° <b>≈</b> 03'39	1°29'56
max. Earth dist.	13507 Feb 04 11:42	29° <b>≈</b> 47'58	1.35738 AU	minimum elong	13508 Jan 14 13:38	4° <b>≈</b> 12'57	1°30'42
	13507 Feb 04 14:10	0° <b>∀</b>		max. Earth dist.	13508 Jan 18 02:49	11° <b>≈</b> 39′01	1.33911 AU
evening rise	13507 Feb 08 10:00	7° <b>∺</b> 16′25		evening rise	13508 Jan 22 14:30	20° <b>≈</b> 38'41	
desc. node	13507 Feb 09 17:30	9° <b>∺</b> 41'18		desc. node	13508 Jan 27 14:09	0° <b>∺</b> 01'04	
	13507 Feb 21 18:12	$0$ ° $\Upsilon$			13508 Jan 27 13:54	0° <b>∀</b>	
evening max el	13507 Mar 15 20:00	28° <b>Ƴ</b> 47'51	26°15'31		13508 Feb 15 16:31	$0^{\circ}$ Y	
	13507 Mar 17 02:30	$0^{\circ}$ 8		evening max el	13508 Feb 26 09:32	12° <b>Y</b> 25′50	27°05'57
retrograde	13507 Mar 28 15:53	6° <b>႘</b> 06′03		retrograde	13508 Mar 10 19:31	19° <b>Ƴ</b> 53′08	
evening set	13507 Apr 03 21:28	3° <b>8</b> 34'57		evening set	13508 Mar 17 10:10	17° <b>Y</b> ′20′56	
asc. node	13507 Apr 05 18:59	1° <b>8</b> 48'34		min. Earth dist.	13508 Mar 21 08:26	13° <b>Y</b> 34'56	0.65442 AU
	13507 Apr 07 09:59	30° <b>ŖƳ</b>		asc. node	13508 Mar 22 16:28	12° <b>Ƴ</b> 04'58	
min. Earth dist.	13507 Apr 08 00:52	29° <b>Ƴ</b> 15'40	0.66945 AU	inferior conj	13508 Mar 23 14:33	11° <b>Y</b> ′02'07	0°17'36
inferior conj	13507 Apr 09 18:45	27° <b>Y</b> 07'07	1°13'27	minimum elong	13508 Mar 23 14:04	11° <b>Y</b> 03'30	0°17'20
minimum elong	13507 Apr 09 17:04	27° <b>Y</b> 12'18	1°12'29	morning rise	13508 Mar 29 19:32	5° <b>Ƴ</b> 30′20	
morning rise	13507 Apr 15 13:30	21° <b>Y</b> 22'54		direct	13508 Apr 01 13:44	4° <b>Ƴ</b> 49'29	
direct	13507 Apr 18 17:28	20° <b>Ƴ</b> 26'17		morning max el	13508 Apr 07 21:59	8° <b>Y</b> 08'10	18°01'47
morning max el	13507 Apr 25 06:38	23° <b>Y</b> 55'58	18°33'36		13508 Apr 23 02:07	0°8	
	13507 Apr 30 09:30	$9^{\circ}$ 8		desc. node	13508 Apr 24 16:28	2° <b>8</b> 36'29	
desc. node	13507 May 08 19:49	12° <b>8</b> 26'21		morning set	13508 Apr 26 04:04	5° <b>8</b> 01'51	
morning set	13507 May 16 07:17	24° <b>8</b> 08'35					
	13507 May 20 00:48	$\Pi^{\circ}$ 0		superior conj	13508 May 10 18:12	28° <b>8</b> 28'28	-1°44'36
				minimum elong	13508 May 10 09:04	27° <b>8</b> 52'27	1°44'35
superior conj	13507 Jun 01 07:43	19° <b>Ⅱ</b> 12'43	-2°08'21		13508 May 11 17:27	$\Pi^{\circ}0$	
minimum elong	13507 Jun 01 02:16	18° <b>Ⅱ</b> 51′24	2°09'07	max. Earth dist.	13508 May 13 19:58	3° <b>Ⅱ</b> 18′09	1.45678 AU
max. Earth dist.	13507 May 31 23:59	18° <b>Ⅱ</b> 42'29	1.45805 AU	evening rise	13508 May 26 20:33	23° <b>Ⅲ</b> 30′27	
	13507 Jun 08 05:08	0°©			13508 May 31 01:52	0°©	
evening rise	13507 Jun 16 23:42	13° <b>9</b> 50'46		greatest brilliancy	13508 Jun 09 01:17	13° <b>©</b> 35'20	-0.7m
greatest brilliancy	13507 Jun 25 04:03	26°547'22	-0.8m	asc. node	13508 Jun 18 13:56	26°534'21	
	13507 Jun 27 05:35	$0^{\circ}\Omega$		evening max el	13508 Jun 20 19:03	28° <b>©</b> 58'52	19°29'51
asc. node	13507 Jul 02 16:58	8° <b>Ω</b> 07'31		-	13508 Jun 21 20:48	$0^{\circ}\Omega$	
evening max el	13507 Jul 08 11:26	15° <b>Ω</b> 12'04	18°43'48	retrograde	13508 Jun 27 23:33	3° <b>Ω</b> 01'04	
retrograde	13507 Jul 15 01:51	18° <b>Ω</b> 47'59		evening set	13508 Jul 01 15:46	1° <b>Ω</b> 42'28	
evening set	13507 Jul 18 08:50	17° <b>Ω</b> 45'57		-	13508 Jul 03 14:15	30° <b>ℝ</b> ∽	
inferior conj	13507 Jul 23 23:18	12° <b>Ω</b> 06'00	2°51'36	inferior conj	13508 Jul 07 00:41	25°\$48'50	3°08'26
minimum elong	13507 Jul 24 01:08	12° <b>Ω</b> 00′17	2°50'27	minimum elong	13508 Jul 07 01:33	25° <b>©</b> 45'57	3°07'23
min. Earth dist.	13507 Jul 25 20:11	9° <b>Ω</b> 46'56	0.65857 AU	min. Earth dist.	13508 Jul 08 07:06	24° <b>©</b> 08'17	0.67313 AU
morning rise	13507 Jul 29 16:33	5° <b>Ω</b> 42'18		morning rise	13508 Jul 12 10:51	19° <b>©</b> 24'48	
-		-					

direct	12500 Iul 10 00.52	1606349125		min Earth dist	12500 Jun 21 22:27	00@40!25	0.60220 ATT
direct desc. node	13508 Jul 18 09:52 13508 Jul 21 16:11	16°548'25 17°527'51		min. Earth dist. morning rise	13509 Jun 21 23:27 13509 Jun 26 12:40	8°548'35 3°524'32	0.68320 AU
morning max el	13508 Jul 21 16:11 13508 Jul 30 16:24	24°9509'43	25°30'24	direct	13509 Jul 20 12:40 13509 Jul 02 00:04	0°959'43	
morning max ci	13508 Aug 04 21:58	24 <b>3</b> 09 43	23 30 24	desc. node	13509 Jul 02 00:04 13509 Jul 08 13:26	3°938'01	
	13508 Aug 25 20:13	0° <b>m</b> )		morning max el	13509 Jul 13 02:33	7°938'35	24°03'36
morning set	13508 Sep 04 15:37	16° Mp 49'22		morning max ci	13509 Jul 30 14:03	0°Ω	24 03 30
max. Earth dist.	13508 Sep 04 15:37 13508 Sep 08 06:37	23° m/30'53	1.36070 AU	morning set	13509 Aug 17 11:31	28° <b>Ω</b> 20'01	
man. Baran and.	13508 Sep 11 15:48	0° <del>0</del>	1.500,0110	morning sec	13509 Aug 18 10:43	0° m)	
		• —		max. Earth dist.	13509 Aug 21 04:31	4° <b>m</b> ) 48'41	1.38351 AU
superior conj	13508 Sep 14 09:57	5° <b>£</b> 26'45	-0°02'03		Č	•	
minimum elong	13508 Sep 14 10:05	5° <b>≏</b> 27'23	0°02'03	superior conj	13509 Aug 28 13:10	18° <b>m</b> ) 21'35	-0°35'50
behind sun begin	13508 Sep 14 03:50	4° <b>≙</b> 56'10		minimum elong	13509 Aug 28 15:41	18° <b>m</b> ) 33'31	0°35'41
behind sun end	13508 Sep 14 16:20	5° <b>£</b> 58'40		asc. node	13509 Sep 01 11:43	25° <b>m</b> 57'48	
asc. node	13508 Sep 14 15:09	5° <b>≙</b> 52'49			13509 Sep 03 13:03	0∘ <b>⊽</b>	
evening rise	13508 Sep 22 09:25	21° <b>≏</b> 43'14		evening rise	13509 Sep 06 10:04	5° <b>≏</b> 40'31	
	13508 Sep 26 12:26	0°M₊			13509 Sep 20 14:28	0°M₊	
evening max el	13508 Oct 10 01:40	20°M51'17	20°00'36	evening max el	13509 Sep 22 19:37	2°M28'14	19°00'45
desc. node	13508 Oct 17 12:24	25°M38'15		retrograde	13509 Oct 01 15:24	6°ML53'37	
retrograde	13508 Oct 20 12:19	26°ML03'17		evening set	13509 Oct 03 12:10	6°M42'34	
evening set	13508 Oct 22 12:04	25°M52'49		desc. node	13509 Oct 04 09:52	6°M29'37	
inferior conj	13508 Oct 31 09:38	21°M53'48	-4°09'15	inferior conj	13509 Oct 11 21:07	2°M27'11	-2°21'33
minimum elong	13508 Oct 30 23:47	22°M08'42	4°05'27	minimum elong	13509 Oct 11 15:06	2°M37'36	2°18'44
min. Earth dist.	13508 Nov 02 06:01	20°M46'43	0.54975 AU	min. Earth dist.	13509 Oct 14 18:18	0° <b>M</b> 27'49	0.56318 AU
morning rise	13508 Nov 08 10:15	17°M43'42			13509 Oct 15 11:11	30° <b>₹</b> Ω	
direct	13508 Nov 13 05:40	16°M53'13		morning rise	13509 Oct 19 15:05	27° <b>≏</b> 42'37	
morning max el	13508 Nov 26 22:06	23°M38'36	24°20'07	direct	13509 Oct 25 05:57	26° <b>≙</b> 28'26	
	13508 Dec 02 15:34	0° <b>⊼</b>			13509 Nov 03 21:58	0° <b>M</b> ₊	
asc. node	13508 Dec 11 16:24	13° <b>∡</b> ³35'36		morning max el	13509 Nov 08 09:27	3°M43'27	26°00'47
	13508 Dec 20 04:38	0°る			13509 Nov 27 04:20	0° <b>∡¹</b>	
morning set	13508 Dec 21 23:34	3° <b>る</b> 47'40		asc. node	13509 Nov 28 13:19	2° <b>x</b> <sup>7</sup> 31'33	
	12500 D 20 10 00	100=20146	102750	morning set	13509 Dec 06 10:40	18° <b>∡</b> ¹26'16	
superior conj	13508 Dec 28 19:00	18° <b>る</b> 39'46	1°36'58		13509 Dec 11 16:59	0° <b>ප</b>	
minimum elong max. Earth dist.	13508 Dec 28 19:41 13508 Dec 31 01:35	18°る43'33 23°る36'00	1°37'57 1.32515 AU	aumariar aani	12500 Dec. 12, 05:10	3°る22'05	1°37'48
max. Earm dist.	13509 Jan 03 01:58	23 <b>⊘</b> 36 00 0	1.32313 AU	superior conj minimum elong	13509 Dec 13 05:19 13509 Dec 13 04:55	3°る2203 3°る19'51	1°38'51
evening rise	13509 Jan 05 06:05	0 ≈ 4°≈28'06		max. Earth dist.	13509 Dec 13 04:33	5°る42'45	1.31611 AU
desc. node	13509 Jan 13 10:54	20°≈05'59		evening rise	13509 Dec 20 05:53	18°る37'13	1.51011 AC
dese. Hode	13509 Jan 19 06:56	0° <b>∺</b>		evening rise	13509 Dec 25 22:10	0°≈	
evening max el	13509 Feb 07 21:54	1 1	27°31'49	desc. node	13509 Dec 31 07:44	9° <b>≈</b> 49'11	
e venning man er	13509 Feb 13 03:11	0°Υ	27 31 .5	dese. Hode	13510 Jan 13 18:39	0° <b>)</b> €	
retrograde	13509 Feb 21 16:29	3° <b>Y</b> ′08′23		evening max el	13510 Jan 21 06:57	8° <b>)</b> €22'07	27°26'43
evening set	13509 Feb 28 12:56	0° <b>Y</b> '42'20		retrograde	13510 Feb 04 05:24	15° <b>)</b> 41′27	
Č	13509 Mar 01 11:26	30° <b>₹</b> ₩		evening set	13510 Feb 11 02:46	13° <b>¥</b> 29'24	
min. Earth dist.	13509 Mar 04 07:46	27° <b>¥</b> 26′03	0.63596 AU	min. Earth dist.	13510 Feb 14 21:10	10° <b>¥</b> 37'01	0.61512 AU
inferior conj	13509 Mar 07 00:59	24° <b>)</b> 39′52	-0°49'34	inferior conj	13510 Feb 17 22:43	7° <b>)</b> €51'08	-2°07'00
minimum elong	13509 Mar 07 02:34	24° <b>)</b> 35′49	0°48'42	minimum elong	13510 Feb 18 03:11	7° <b>){</b> 41′01	2°04'44
asc. node	13509 Mar 09 13:56	22° <b>₩</b> 11'21		asc. node	13510 Feb 24 11:23	3° <b>₩</b> 09'03	
morning rise	13509 Mar 13 18:33	19° <b>)</b> 22′54		morning rise	13510 Feb 25 06:33	2° <b>)</b> 51′52	
direct	13509 Mar 16 04:32	18° <b>¥</b> 54'17		direct	13510 Feb 27 10:24	2° <b>)</b> 31′44	
morning max el	13509 Mar 22 15:41	22° <b>)</b> 13′14	17°47'13	morning max el	13510 Mar 06 08:28	6° <b>米</b> 01′17	17°50'35
	13509 Mar 28 18:00	0° <b>Υ</b>			13510 Mar 21 19:24	0° <b>Υ</b>	
morning set	13509 Apr 08 03:53	17° <b>Y</b> 13′29		morning set	13510 Mar 22 00:49	0° <b>Υ</b> 24'20	
desc. node	13509 Apr 11 13:02	22° <b>Y</b> 59'43		desc. node	13510 Mar 29 09:34	13° <b>Y</b> 31'00	
	13509 Apr 15 16:45	$9^{\circ}$ 8				••	
	10500 :	001.30	1000110	superior conj	13510 Apr 02 00:29	19° <b>Y</b> 46'59	
superior conj	13509 Apr 20 21:28	8° <b>8</b> 34'34		minimum elong	13510 Apr 01 21:52	19° <b>Y</b> 35'46	0°28'04
minimum elong	13509 Apr 20 14:34	8° <b>8</b> 06'29		F d F :	13510 Apr 08 02:54	0°8	1 42240 411
max. Earth dist.	13509 Apr 26 14:35	17° <b>8</b> 45'46 0° <b>Ⅱ</b>	1.44831 AU	max. Earth dist.	13510 Apr 09 06:07	1° <b>8</b> 51'15	1.43349 AU
	13509 May 04 10:26			evening rise	13510 Apr 16 01:15	12° <b>8</b> 41'37	
evening rise	13509 May 06 07:44	2° <b>∏</b> 54'06 0° <b>©</b>		avanina ma1	13510 Apr 27 11:20	0°Ⅱ 26°Ⅲ27'28	210/2117
ovening may -1	13509 May 24 14:49 13509 Jun 03 21:02	0°99 12°9947'58	20020144	evening max el	13510 May 17 17:25	26° <b>Ⅱ</b> 37'38 0° <b>⑤</b>	21 45 1/
evening max el asc. node	13509 Jun 03 21:02 13509 Jun 05 11:00	12°94/38 14°9517'18	20°30'44	asc. node	13510 May 21 15:18 13510 May 23 08:09	0°ഇ 1° <b>ഇ</b> 01'53	
retrograde	13509 Jun 03 11:00 13509 Jun 11 22:28	14°91718		retrograde	13510 May 25 08:09 13510 May 26 20:42	1°958'42	
evening set	13509 Jun 16 00:40	17 920 30 15°951'05		evening set	13510 May 20 20.42 13510 May 31 09:42	0°906'57	
inferior conj	13509 Jun 21 06:59	9°9345'10	3°12'17	5. J	13510 May 31 03:42	30°RⅡ	
minimum elong	13509 Jun 21 06:49	9° <b>9</b> 45'44		inferior conj	13510 Jun 05 15:55	23° <b>∏</b> 50′24	3°04'49
	22.5 5411 21 00.19	5 .11					

minimum elong	13510 Jun 05 14:50	23° <b>Ⅱ</b> 54'11	3°03'41	inferior conj	13511 May 21 01:30	8° <b>Ⅱ</b> 00'56	2°46'57
min. Earth dist.	13510 Jun 05 19:01	23° <b>II</b> 39'34	0.68850 AU	minimum elong	13511 May 20 23:44	8° <b>I</b> 07'06	
morning rise	13510 Jun 10 19:46	17° <b>Ⅲ</b> 35'24		morning rise	13511 May 26 06:08	1° <b>Ⅱ</b> 52'55	
direct	13510 Jun 15 18:31	15° <b>Ⅲ</b> 27'42		direct	13511 May 30 16:01	0° <b>Ⅱ</b> 05'24	
desc. node	13510 Jun 25 10:34	21° <b>II</b> 06'32		morning max el	13511 Jun 08 05:53	5° <b>Ⅱ</b> 01'40	21°10'07
morning max el	13510 Jun 25 13:59	21° <b>Ⅱ</b> 15′04	22°34'08	desc. node	13511 Jun 12 07:36	9° <b>Ⅱ</b> 32'37	
	13510 Jul 03 02:14	0ಂತಾ			13511 Jun 27 04:39	0ංම	
	13510 Jul 23 19:52	$0^{\circ}\Omega$		morning set	13511 Jul 09 03:25	18°511'12	
morning set	13510 Jul 29 07:50	8° <b>Ω</b> 47'47		max. Earth dist.	13511 Jul 16 09:00	29° <b>5</b> 44'31	1.42827 AU
max. Earth dist.	13510 Aug 03 03:50	16° <b>Ω</b> 49'39	1.40697 AU		13511 Jul 16 12:48	$0^{\circ}\Omega$	
	13510 Aug 10 17:05	0° <b>™</b>					
				superior conj	13511 Jul 23 13:58	11° <b>Ω</b> 45′02	
superior conj	13510 Aug 11 00:00	0°m/31'08	-1°10'54	minimum elong	13511 Jul 23 21:09	12° <b>Ω</b> 15'39	1°43'12
minimum elong	13510 Aug 11 05:19	0° <b>m</b> 55'03	1°10'41		13511 Aug 02 23:37	0° <b>m</b> )	
asc. node	13510 Aug 19 08:19	15° <b>m</b> 57'19		evening rise	13511 Aug 04 03:45	2°Mp06'15	
evening rise	13510 Aug 21 01:34	19° <b>TD</b> 11'49		asc. node	13511 Aug 06 04:57	5° Mp 46'54	
	13510 Aug 26 21:31	0∘ <b>ত</b>		evening max el	13511 Aug 20 11:51	27° <b>m</b> 44'23	18°04'32
evening max el	13510 Sep 06 00:26	14° <b>≏</b> 49'24	18°22'30		13511 Aug 23 07:21	0∘ <b>ত</b>	
retrograde	13510 Sep 13 13:55	18° <b>≏</b> 39'10		retrograde	13511 Aug 27 06:06	1° <b>≏</b> 12'28	
evening set	13510 Sep 15 15:29	18° <b>≏</b> 22'47		evening set	13511 Aug 29 15:05	0° <b>≏</b> 46'56	
desc. node	13510 Sep 21 07:22	15° <b>2</b> 18'46			13511 Aug 31 07:27	30°R, Mp	
inferior conj	13510 Sep 23 06:13	13° <b>Ω</b> 46'24		inferior conj	13511 Sep 05 12:02	25° m 50'12	0°48'57
minimum elong	13510 Sep 23 04:49	13° <b>Ω</b> 49'14		minimum elong	13511 Sep 05 13:30	25° Mp 46'44	0°48'14
min. Earth dist.	13510 Sep 26 13:04		0.58267 AU	desc. node	13511 Sep 08 04:53	23° M) 17'32	0.60516.411
morning rise	13510 Sep 30 14:42	8° <b>Ω</b> 24'57		min. Earth dist.	13511 Sep 08 16:33	22° m 51'09	0.60516 AU
direct	13510 Oct 06 20:07	6° <b>△</b> 43'48	27°15'45	morning rise	13511 Sep 12 08:54	19° Mp 58'40	
morning max el	13510 Oct 21 03:41	14° <b>£</b> 21'30 0° <b>I</b> L	27-15-45	direct	13511 Sep 18 22:50	17° Mp 51'22 25° Mp 45'32	27954111
asc. node	13510 Nov 02 17:02 13510 Nov 15 10:09	21°M54'34		morning max el	13511 Oct 03 05:39 13511 Oct 07 04:23	23 ال <b>ا</b> 43 ع2 0°	27 3411
asc. Houe	13510 Nov 19 10:09	21 1163434 0° <b>√</b>			13511 Oct 07 04.23 13511 Oct 27 05:15	0 <b>==</b> 0° <b>M</b> ₊	
morning set	13510 Nov 19 10.09 13510 Nov 20 19:17	2° <b>x</b> <sup>1</sup> 54'43		asc. node	13511 Oct 27 03:13 13511 Nov 02 06:54	11°MJ36'14	
morning set	13310 NOV 20 19.17	2 🗡 34 43		morning set	13511 Nov 02 00:34 13511 Nov 04 23:28	17°ML07'00	
superior conj	13510 Nov 27 16:55	18° <b>∡</b> '05'02	1°32'44	morning set	13511 Nov 10 22:40	0° <b>√</b>	
minimum elong	13510 Nov 27 15:34	17° × 57'28	1°33'39	max. Earth dist.	13511 Nov 10 22:45	0° <b>∡</b> ¹00'26	1.31335 AU
max. Earth dist.	13510 Nov 27 15:03	17° <b>×</b> 54'36	1.31215 AU	max. Dartii dist.	133111107 10 22.13	0 % 00 20	1.51555110
man. Darm dist.	13510 Dec 03 02:03	0° <b>る</b>	1.51215110	superior conj	13511 Nov 12 03:55	2° <b>∡</b> ¹42'15	1°21'54
evening rise	13510 Dec 04 11:28	2° <b>る</b> 59'59		minimum elong	13511 Nov 12 01:53	2° <b>∡</b> 130'58	1°22'32
desc. node	13510 Dec 18 04:39	29° <b>ප්</b> 02'10		evening rise	13511 Nov 18 20:39	17° <b>∡</b> ¹29'45	
	13510 Dec 18 18:53	0° <b>≈</b>		C	13511 Nov 24 22:13	ರ°0	
evening max el	13511 Jan 03 09:50	20°≈15′16	26°46'57	desc. node	13511 Dec 05 01:41	17° <b>る</b> 32'26	
retrograde	13511 Jan 17 08:45	27° <b>≈</b> 24'47			13511 Dec 14 21:56	0° <b>≈</b>	
evening set	13511 Jan 24 00:10	25° <b>≈</b> 34'20		evening max el	13511 Dec 16 04:13	1° <b>≈</b> 14'31	25°34'21
min. Earth dist.	13511 Jan 27 23:48	22° <b>≈</b> 56'15	0.59339 AU	retrograde	13511 Dec 30 01:19	8° <b>≈</b> 14'13	
inferior conj	13511 Jan 31 04:10	20° <b>≈</b> 26′17	-3°30'23	evening set	13512 Jan 05 00:57	6° <b>≈</b> 51'50	
minimum elong	13511 Jan 31 11:41	20° <b>≈</b> 11′28	3°27'02	min. Earth dist.	13512 Jan 09 16:37	4° <b>≈</b> 13'15	0.57278 AU
morning rise	13511 Feb 08 02:15	15° <b>≈</b> 47'51		inferior conj	13512 Jan 12 13:58	2° <b>≈</b> 15′08	-4°49'26
direct	13511 Feb 10 03:14	15° <b>≈</b> 32'37		minimum elong	13512 Jan 12 22:45	2° <b>≈</b> 00'08	4°46'18
asc. node	13511 Feb 11 08:46	15° <b>≈</b> 38′22			13512 Jan 16 01:57	30°Ŗる	
morning max el	13511 Feb 17 20:49	19° <b>≈</b> 22'39	18°13'07	morning rise	13512 Jan 20 23:11	27° <b>る</b> 59'06	
	13511 Feb 25 15:46	0° <b>∀</b>		direct	13512 Jan 23 02:29	27° <b>る</b> 45'14	
morning set	13511 Mar 05 12:52	14° <b>米</b> 16′19		asc. node	13512 Jan 29 06:07	29° <b>る</b> 48'29	
	13511 Mar 13 23:23	0° <b>Υ</b>			13512 Jan 29 12:48	0° <b>≈</b>	
				morning max el	13512 Feb 01 00:48	2°≈05'56	18°56'41
superior conj	13511 Mar 15 02:29	2° <b>Y</b> ′02'46	0°09'13	morning set	13512 Feb 17 11:19	28°≈34'58	
minimum elong	13511 Mar 15 03:11	2°Υ05'56	0°09'10		13512 Feb 18 04:36	0° <b>∀</b>	
behind sun begin	13511 Mar 14 20:59	1° <b>Υ</b> 37'57			10510 5 1 05 00 10	1.50\(\)0012.4	00.40440
behind sun end	13511 Mar 15 09:23	2° <b>Y</b> 33'51		superior conj	13512 Feb 25 23:13	15° <b>¥</b> 09'34	0°40'49
desc. node	13511 Mar 16 06:05	4°Υ06'40	1 41200 411	minimum elong	13512 Feb 26 01:36	15° <b>¥</b> 20'57	0°40'47
max. Earth dist.	13511 Mar 22 17:13	15° <b>Υ</b> 21'05 23° <b>Υ</b> 17'57	1.41388 AU	desc. node	13512 Mar 02 02:35	24° <b>)</b> 42'51	1 20161 411
evening rise	13511 Mar 27 12:18 13511 Mar 31 16:57	0° <b>8</b>		max. Earth dist.	13512 Mar 04 00:05 13512 Mar 05 01:41	28° <b>)</b> €06'56 0° <b>°</b>	1.39161 AU
		0° <b>∐</b>		evening rise		0°γ 4° <b>Υ</b> 49'22	
evening max el	13511 Apr 21 10:47 13511 Apr 30 09:28	0°Щ 10°Щ28'07	23°02'52	evening rise	13512 Mar 07 20:30 13512 Mar 23 19:14	4°7'49'22 0° <b>と</b>	
asc. node	13511 Apr 30 09:28 13511 May 10 05:23	10°Щ2807 16°Щ31'29	43 U4 34	evening max el	13512 Mar 23 19:14 13512 Apr 11 23:15	24° <b>8</b> 20'10	24023133
retrograde	13311 Iviay 10 03.23	10 <b>11</b> 3149		evening max ci	13312 Apr 11 23.13	27 <b>U</b> 20 10	4T 43 33
ionogrado	13511 May 10 16:52	16°∏32'31			13512 Apr 10 08:00	0∘π	
•	13511 May 10 16:52	16° <b>∏</b> 32'31 14° <b>∏</b> 25'51		retrograde	13512 Apr 19 08:09	0°П 1°П02'23	
evening set min. Earth dist.	13511 May 10 16:52 13511 May 15 17:14 13511 May 20 15:45	16° <b>Д</b> 32'31 14° <b>Д</b> 25'51 8° <b>Д</b> 34'43	0.68899 AU	retrograde	13512 Apr 19 08:09 13512 Apr 23 09:46 13512 Apr 26 02:41	0°П 1°П02'23 0°П29'56	

	13512 Apr 27 03:02	30° <b>₹</b> 8		evening set	13513 Apr 12 21:35	12° <b>8</b> 53'24	
evening set	13512 Apr 28 21:45	28° <b>8</b> 43'17		asc. node	13513 Apr 12 21:35 13513 Apr 13 00:06	12° <b>8</b> 48'04	
min. Earth dist.	13512 May 03 11:36	23° <b>8</b> 28'19	0.68478 AU	min. Earth dist.	13513 Apr 17 04:26	8° <b>8</b> 13'55	0.67618 AU
inferior conj	13512 May 04 09:54	22° <b>8</b> 13'20	2°18'56	inferior conj	13513 Apr 18 15:09	6° <b>8</b> 23'01	1°40'31
minimum elong	13512 May 04 07:46	22° <b>8</b> 20'32		minimum elong	13513 Apr 18 13:07	6° <b>8</b> 29'30	1°39'20
morning rise	13512 May 09 17:55	16° <b>8</b> 13'23	2 17 30	morning rise	13513 Apr 24 05:11	0° <b>8</b> 32'24	1 37 20
direct	13512 May 13 15:24	14° <b>8</b> 46'44		morning rise	13513 Apr 25 04:15	30°RΥ	
morning max el	13512 May 21 04:43	19° <b>8</b> 00'02	19°57'27	direct	13513 Apr 27 15:12	29° <b>Y</b> °25'27	
desc. node	13512 May 29 04:32	28° <b>8</b> 40'50			13513 Apr 30 04:16	0°8	
	13512 May 30 03:33	0°II		morning max el	13513 May 04 11:00	3° <b>8</b> 07'40	18°59'30
morning set	13512 Jun 17 06:27	26° <b>I</b> I54'32		desc. node	13513 May 16 01:19	18° <b>8</b> 19'17	
. 8	13512 Jun 19 06:35	0ಂತಾ		greatest brilliancy	13513 May 17 17:39	20° <b>8</b> 50'26	-0.7m
max. Earth dist.	13512 Jun 27 20:33	13°926'27	1.44493 AU	8	13513 May 23 17:26	0°II	
				morning set	13513 May 27 12:30	5° <b>Ⅱ</b> 51'54	
superior conj	13512 Jul 03 04:16	21° <b>©</b> 59'05	-2°06'18	max. Earth dist.	13513 Jun 10 13:10		1.45531 AU
minimum elong	13512 Jul 03 09:48	22°521'34	2°07'02		13513 Jun 12 00:30	0°ಅ	
C	13512 Jul 08 01:30	$0^{\circ}\Omega$					
evening rise	13512 Jul 16 11:40	14° <b>Ω</b> 11'58		superior conj	13513 Jun 12 21:24	1° <b>5</b> 22'07	-2°13'25
asc. node	13512 Jul 23 01:39	25° <b>Ω</b> 22'17		minimum elong	13513 Jun 12 20:22	1° <b>©</b> 18'01	2°14'27
	13512 Jul 25 21:34	0° <b>m</b> )		evening rise	13513 Jun 27 20:26	25° <b>©</b> 17'20	
evening max el	13512 Aug 03 02:06	11° <b>m</b> ) 04'25	18°05'37	C	13513 Jun 30 17:58	$0^{\circ}\Omega$	
retrograde	13512 Aug 09 11:32	14° <b>m</b> ) 24'50		asc. node	13513 Jul 09 22:27	14° <b>Ω</b> 37'06	
evening set	13512 Aug 12 04:47	13° Mp 46'54		evening max el	13513 Jul 17 15:51	24° <b>Ω</b> 40'19	18°24'53
inferior conj	13512 Aug 18 11:00	8° m/32'03	1°52'15	retrograde	13513 Jul 24 01:53	28° <b>Ω</b> 06'32	
minimum elong	13512 Aug 18 13:28	8° m/25'26	1°51'02	evening set	13513 Jul 27 03:46	27° <b>Ω</b> 13'48	
min. Earth dist.	13512 Aug 21 05:46	5° m 34'29	0.62780 AU	inferior conj	13513 Aug 01 22:58	21° <b>Ω</b> 42'45	2°34'59
morning rise	13512 Aug 24 20:01	2° m/20'58		minimum elong	13513 Aug 02 01:13	21° <b>Ω</b> 36'02	
desc. node	13512 Aug 25 02:24	2° m/09'25		min. Earth dist.	13513 Aug 04 04:17	19° <b>Ω</b> 05'28	0.64837 AU
	13512 Aug 30 01:26	30°R <b>Ω</b>		morning rise	13513 Aug 07 21:24	15° <b>Ω</b> 21'41	
direct	13512 Aug 31 12:12	29° <b>Q</b> 53′18		desc. node	13513 Aug 11 23:53	13° <b>Ω</b> 04'08	
	13512 Sep 01 23:43	0° <b>m</b> )		direct	13513 Aug 14 10:14	12° <b>Ω</b> 42'59	
morning max el	13512 Sep 14 13:19	7° m 55'06	27°53'33	morning max el	13513 Aug 27 23:47	20° <b>Ω</b> 40′08	27°18'01
_	13512 Oct 01 13:08	0∘ <b>亚</b>		-	13513 Sep 05 01:04	0° <b>m</b> y	
	13512 Oct 18 09:38	0° <b>M</b> ,			13513 Sep 24 15:50	0∘ <b>⊽</b>	
morning set	13512 Oct 18 21:09	0°M58'15		morning set	13513 Oct 02 09:40	14° <b>≏</b> 21'38	
asc. node	13512 Oct 19 03:36	1°MJ30'58		asc. node	13513 Oct 06 00:14	21° <b>₽</b> 33'37	
max. Earth dist.	13512 Oct 24 01:52	11°ML50'58	1.31990 AU	max. Earth dist.	13513 Oct 06 20:52	23° <b>₽</b> 19'18	1.33186 AU
					13513 Oct 10 01:31	$0^{\circ}$ M	
superior conj	13512 Oct 26 12:27	17°M08'56	1°05'22				
minimum elong	13512 Oct 26 10:10	16°M56'27	1°05'42	superior conj	13513 Oct 10 16:26	1° <b>ጤ</b> 19'10	0°43'16
	13512 Nov 01 09:02	0° <b>∡</b> ¹		minimum elong	13513 Oct 10 14:28	1° <b>M</b> L08'47	0°43'20
evening rise	13512 Nov 02 07:37	2° <b>∡</b> °02'09		evening rise	13513 Oct 17 18:30	16°M32'11	
	13512 Nov 17 07:43	ರ°0			13513 Oct 24 09:33	0° <b>∡</b> ¹	
desc. node	13512 Nov 20 22:51	5° <b>る</b> 04'11		desc. node	13513 Nov 07 20:07	21° <b>∡</b> 16′01	
evening max el	13512 Nov 26 15:30	11° <b>る</b> 30'19	23°58'45	evening max el	13513 Nov 08 02:31	21° <b>∡</b> ³31'47	22°16'48
retrograde	13512 Dec 10 05:26	18° <b>る</b> 16'09		retrograde	13513 Nov 20 21:09	27° <b>∡</b> 751'46	
evening set	13512 Dec 15 02:06	17° <b>る</b> 24'34		evening set	13513 Nov 24 08:22	27° <b>∡</b> °25′18	
min. Earth dist.	13512 Dec 21 02:37	14° <b>る</b> 26'48	0.55618 AU	inferior conj	13513 Dec 02 23:48	23° <b>х</b> 29'46	-5°53'03
inferior conj	13512 Dec 23 03:06	13° <b>る</b> 13'47	-5°45'00	minimum elong	13513 Dec 02 20:23	23° <b>х</b> 34'33	5°51'49
minimum elong	13512 Dec 23 08:17	13° <b>る</b> 05'58	5°43'24	min. Earth dist.	13513 Dec 02 09:15	23° <b>∡</b> 50′12	0.54654 AU
morning rise	13512 Dec 31 16:20	9° <b>る</b> 17'01		morning rise	13513 Dec 11 09:33	19° <b>∡</b> ⁴42'29	
direct	13513 Jan 03 06:02	9° <b>ට</b> 00'13		direct	13513 Dec 14 18:23	19° <b>∡</b> 17'04	
morning max el	13513 Jan 13 16:29	14° <b>る</b> 00'27	20°02'59	morning max el	13513 Dec 26 17:37	25° <b>∡</b> ¹00'35	21°31'49
asc. node	13513 Jan 15 03:25	15° <b>る</b> 30'04			13513 Dec 31 05:02	0°ප	
	13513 Jan 24 22:31	0° <b>≈</b>		asc. node	13514 Jan 02 00:38	2° <b>る</b> 26'15	
morning set	13513 Jan 31 16:38	13° <b>≈</b> 10′10		morning set	13514 Jan 16 02:14	27° <b>る</b> 54'31	
					13514 Jan 17 02:08	0° <b>≈</b>	
superior conj	13513 Feb 08 10:06	28° <b>≈</b> 54'27	1°05'25				
minimum elong	13513 Feb 08 12:51	29° <b>≈</b> 08'11	1°05'40	superior conj	13514 Jan 23 07:18	13° <b>≈</b> 06'40	1°22'56
	13513 Feb 08 23:15	0° <b>∀</b>		minimum elong	13514 Jan 23 09:33	13° <b>≈</b> 18′26	1°23'31
max. Earth dist.	13513 Feb 14 06:30	10° <b>)</b> 16'36	1.36929 AU	max. Earth dist.	13514 Jan 27 17:41	22° <b>≈</b> 10′14	1.34914 AU
desc. node	13513 Feb 16 23:07	15° <b>¥</b> 15'57		evening rise	13514 Jan 31 21:18	0° <b>)</b> 15′05	
evening rise	13513 Feb 18 00:36	17° <b>∺</b> 11'21			13514 Jan 31 18:07	0° <b>)</b>	
	13513 Feb 25 11:06	0° <b>Υ</b>		desc. node	13514 Feb 03 19:44	5° <b>)</b> 42′18	
	13513 Mar 18 04:14	$0^{\circ}$ 8			13514 Feb 18 13:48	0° <b>Ƴ</b>	
evening max el	13513 Mar 25 12:42	8° <b>8</b> 12'18	25°38'19	evening max el	13514 Mar 08 02:34	21° <b>Y</b> ′59'10	26°39'40
retrograde	13513 Apr 06 22:18	15° <b>8</b> 21'17		retrograde	13514 Mar 21 05:19	29° <b>Y</b> ′22'22	

. ,	1251434 27 1455	2600050122			12515 1 21 16 24	25056120	
evening set	13514 Mar 27 14:55	26° <b>Y</b> ′50′23		desc. node	13515 Jan 21 16:24	25°≈56'30	
asc. node	13514 Mar 30 21:32	23° <b>Y</b> '38'19			13515 Jan 23 23:24	0° <b>∀</b>	
min. Earth dist.	13514 Mar 31 16:05	22° <b>Y</b> '45'15	0.66347 AU		13515 Feb 13 12:18	0° <b>Υ</b>	
inferior conj	13514 Apr 02 15:07	20° <b>Y</b> °25′29	0°51'13	evening max el	13515 Feb 18 15:58	5° <b>Y</b> 29'36	27°20'21
minimum elong	13514 Apr 02 13:50	20° <b>Y</b> 29'18	0°50'29	retrograde	13515 Mar 04 05:57	12° <b>Y</b> 56'43	
morning rise	13514 Apr 08 13:52	14° <b>Ƴ</b> 45'58		evening set	13515 Mar 10 23:38	10° <b>Y</b> 26′24	
direct	13514 Apr 11 13:32	13° <b>Ƴ</b> 56′22		min. Earth dist.	13515 Mar 14 20:18	6° <b>Ƴ</b> 53'34	0.64700 AU
morning max el	13514 Apr 17 23:38	17° <b>Ƴ</b> 20′02	18°17'58	inferior conj	13515 Mar 17 07:16	4° <b>Ƴ</b> 13'52	-0°09'27
	13514 Apr 27 14:04	$0^{\circ}$ 8		minimum elong	13515 Mar 17 07:33	4° <b>Ƴ</b> 13'07	0°09'19
desc. node	13514 May 02 22:02	8° <b>8</b> 19'57		transit middle	13515 Mar 17 07:33	4° <b>Ƴ</b> 13'07	0°09'19
morning set	13514 May 07 16:56	15° <b>8</b> 57'30		transit begin	13515 Mar 17 05:03	4° <b>Ƴ</b> 19'54	
-	13514 May 16 13:23	$\Pi^{\circ}0$		transit end	13515 Mar 17 10:02	4° <b>Y</b> 06′21	
	·			asc. node	13515 Mar 17 19:01	3° <b>Y</b> 42'06	
superior conj	13514 May 23 05:11	10° <b>Ⅱ</b> 26'49	-2°00'22		13515 Mar 21 17:16	30°R <b>)</b> €	
minimum elong	13514 May 22 21:21	9° <b>I</b> I56'10	2°00'49	morning rise	13515 Mar 23 17:19	28° <b>)</b> 47'56	
max. Earth dist.	13514 May 24 08:55	12° <b>I</b> 15'05	1.45846 AU	direct	13515 Mar 26 07:57	28° <b>)</b> 12'34	
max. Earth dist.	13514 Jun 04 18:04	0°95	1.43040710	direct	13515 Mar 30 22:45	0°Υ	
evening rise	13514 Jun 08 04:50	5° <b>©</b> 23'11		mamina may al		1° <b>Υ</b> 29'44	17°53'27
•			0.0	morning max el	13515 Apr 01 16:17	1 1 29 44 27° <b>Y</b> 25'47	17 33 27
greatest brilliancy	13514 Jun 18 17:00	21°5542'31	-0.8m	morning set	13515 Apr 19 01:45		
	13514 Jun 24 07:30	0° <b>N</b>		desc. node	13515 Apr 19 18:39	28° <b>Y</b> 36′07	
asc. node	13514 Jun 26 19:21	3° <b>Ω</b> 24'02			13515 Apr 20 14:50	0°B	
evening max el	13514 Jul 01 02:21	8° <b>Ω</b> 24'56	19°01'27				
retrograde	13514 Jul 07 21:39	12° <b>Ω</b> 10′10		superior conj	13515 May 02 21:10	19° <b>8</b> 59'19	
evening set	13514 Jul 11 08:35	11° <b>Ω</b> 01′03		minimum elong	13515 May 02 12:27	19° <b>8</b> 24'33	1°29'57
inferior conj	13514 Jul 16 20:18	5° <b>Ω</b> 15'16	3°00'26	max. Earth dist.	13515 May 07 05:07	26° <b>8</b> 50'52	1.45406 AU
minimum elong	13514 Jul 16 21:46	5° <b>Ω</b> 10'37	2°59'20		13515 May 09 05:21	$\Pi$ $\circ$ 0	
min. Earth dist.	13514 Jul 18 11:01	3° <b>Ω</b> 11'43	0.66537 AU	evening rise	13515 May 18 19:39	14° <b>Ⅱ</b> 50′56	
	13514 Jul 21 05:15	30° <b>₹</b> 5			13515 May 28 19:24	$0$ $\circ$ $\odot$	
morning rise	13514 Jul 22 10:16	28°951'08		greatest brilliancy	13515 Jun 02 12:29	6° <b>9</b> 57'34	-0.6m
direct	13514 Jul 28 15:15	26°©11'25		asc. node	13515 Jun 13 16:20	21° <b>©</b> 33'35	
desc. node	13514 Jul 29 21:18	26° <b>©</b> 17'12		evening max el	13515 Jun 14 07:39	22° <b>©</b> 12'56	19°54'05
	13514 Aug 06 05:50	0°Ω		retrograde	13515 Jun 21 20:07	26°529'16	
morning max el	13514 Aug 10 10:49	3° <b>Ω</b> 49'26	26°15'15	evening set	13515 Jun 25 16:36	25°503'16	
morning max er	13514 Aug 30 09:24	0° m)	20 13 13	inferior conj	13515 Jul 01 00:03	19° <b>5</b> 04'07	3°11'33
morning set	13514 Aug 30 09:24 13514 Sep 15 09:43	27° Mp 09'10		minimum elong	13515 Jul 01 00:09	19° <b>5</b> 02'39	3°10'30
morning set	13514 Sep 15 09.43	0° <b>⊽</b>		min. Earth dist.	13515 Jul 01 00:29 13515 Jul 02 00:22	19 502 39 17°542'08	0.67797 AU
Fauth 4int	•		1 2400C AII				0.07797 AU
max. Earth dist.	13514 Sep 19 06:02	4° <b>₽</b> 29'07	1.34896 AU	morning rise	13515 Jul 06 08:00	12°5541'21	
asc. node	13514 Sep 22 20:50	11° <b>≏</b> 40'04		direct	13515 Jul 12 02:14	10°9509'22	
		_		desc. node	13515 Jul 16 18:38	11°530'25	
superior conj	13514 Sep 24 13:19	15° <b>≏</b> 06'19		morning max el	13515 Jul 23 21:23	17° <b>©</b> 13'39	24°54'32
minimum elong	13514 Sep 24 12:26	15° <b>≏</b> 01'48	0°15'52		13515 Aug 03 13:07	$0$ $\circ$ $\Omega$	
behind sun begin	13514 Sep 24 11:25	14° <b>≏</b> 56'35			13515 Aug 23 09:08	0° <b>m</b> )	
behind sun end	13514 Sep 24 13:27	15° <b>≏</b> 07'01		morning set	13515 Aug 28 17:16	9° <b>m</b> ,11'26	
	13514 Oct 01 16:50	0° <b>M</b> ₊		max. Earth dist.	13515 Sep 01 07:04	15° <b>m</b> 38'16	1.37015 AU
evening rise	13514 Oct 02 03:19	0°M54'36					
	13514 Oct 19 03:28	0° <b>∡</b> ¹		superior conj	13515 Sep 08 00:03	28° <b>m</b> 22'54	-0°16'01
evening max el	13514 Oct 20 22:28	1° <b>×</b> 754'48	20°44'49	minimum elong	13515 Sep 08 01:06	28° <b>m</b> 28'01	0°15'57
desc. node	13514 Oct 25 17:29	5° <b>∡</b> ¹41'06		behind sun begin	13515 Sep 08 00:04	28° <b>m</b> 22'57	
retrograde	13514 Nov 01 07:35	7° <b>∡</b> ³34'10		behind sun end	13515 Sep 08 02:08	28° m/33'05	
evening set	13514 Nov 03 16:00	7° <b>∡</b> ¹20'46			13515 Sep 08 19:49	0∘ <b>⊽</b>	
inferior conj	13514 Nov 12 15:18	3° <b>∡</b> ¹26'36	-5°01'17	asc. node	13515 Sep 09 17:23	1° <b>≏</b> 46'48	
minimum elong	13514 Nov 12 05:36	3° <b>∡</b> ¹40'30		evening rise	13515 Sep 16 07:47	15° <b>≙</b> 03'37	
min. Earth dist.	13514 Nov 13 15:32		0.54590 AU	evening rise	13515 Sep 24 02:30	0°M	
mm. Lattii dist.	13514 Nov 19 09:24	30°RM	0.54570710	evening max el	13515 Oct 03 08:29	13°ML03'13	19°32'23
morning rise	13514 Nov 20 19:14	29°M31'11		desc. node	13515 Oct 03 08:29 13515 Oct 12 14:56	17°ML54'25	19 32 23
direct		28°M51'32				17 1163423 17°M55'03	
direct	13514 Nov 25 02:28			retrograde	13515 Oct 13 02:00		
	13514 Nov 30 14:46	0° 🗷 5° ⋅ <b>7</b> 1.5110	22017117	evening set	13515 Oct 14 23:04	17°M44'58	2024152
morning max el	13514 Dec 08 06:58	5° <b>х</b> 15'19	23°17'17	inferior conj	13515 Oct 23 16:24	13°M39'31	
asc. node	13514 Dec 19 21:46	20° <b>х</b> 19′30		minimum elong	13515 Oct 23 07:46	13°M53'17	
	13514 Dec 25 08:22	0°る		min. Earth dist.	13515 Oct 26 00:52	12°M09'36	0.55453 AU
morning set	13514 Dec 31 13:51	12° <b>る</b> 40'45		morning rise	13515 Oct 31 14:29	9° <b>M</b> .15′58	
				direct	13515 Nov 05 18:24	8°M16'23	
superior conj	13515 Jan 07 11:31	27° <b>る</b> 36'06	1°33'40	morning max el	13515 Nov 19 16:51	15°M14'45	25°05'04
minimum elong	13515 Jan 07 12:50	27° <b>る</b> 43'12	1°34'34		13515 Dec 01 10:36	0° <b>∡</b> ¹	
	13515 Jan 08 14:19	0° <b>≈</b> ≈		asc. node	13515 Dec 06 18:46	8° <b>₹</b> ¹55'58	
max. Earth dist.	13515 Jan 10 12:22	4° <b>≈</b> 04'14	1.33265 AU	morning set	13515 Dec 16 01:39	27° <b>∡</b> ¹23'45	
evening rise	13515 Jan 15 06:55	13° <b>≈</b> 50′00			13515 Dec 17 06:34	ರ°0	
-							

superior conj minimum elong	13515 Dec 22 20:15 13515 Dec 22 20:28	12° <b>පි</b> 15'40 12° <b>පි</b> 16'54	1°38'02 1°39'05	minimum elong max. Earth dist.	13516 Dec 06 06:31 13516 Dec 06 21:03	26° ₹ 54'11 28° ₹ 15'10	1°37'22 1.31377 AU
max. Earth dist. evening rise	13515 Dec 24 14:18 13515 Dec 30 02:19	16°පි06'24 27°පි48'26	1.32073 AU	evening rise	13516 Dec 07 15:53 13516 Dec 13 04:49	0°る 12°る03'35	
desc. node	13515 Dec 31 04:05 13516 Jan 08 13:09	0° <b>≈</b> 15° <b>≈</b> 52'57		desc. node	13516 Dec 22 07:55 13516 Dec 25 10:02	0° <b>≈</b> 5° <b>≈</b> 24'18	
evening max el	13516 Jan 17 05:17 13516 Feb 01 03:04	0° <b>)</b> 18° <b>)</b> 31'06	27°33'32	evening max el	13517 Jan 12 12:13 13517 Jan 13 09:36	0° <b>)</b> 0° <b>)</b> {51'47	27°13'59
retrograde	13516 Feb 14 23:25	25° <b>)</b> 55'06	21 33 32	retrograde	13517 Jan 27 08:48	8° <b>\</b> 08'02	27 1337
evening set	13516 Feb 21 21:14	23° <b>)</b> 33′42		evening set	13517 Feb 03 04:36	6° <b>∺</b> 04'00	
min. Earth dist.	13516 Feb 25 15:19	20° <b>∺</b> 28'49	0.62740 AU	min. Earth dist.	13517 Feb 07 00:07		0.60585 AU
inferior conj	13516 Feb 28 12:40	17° <b>)</b> 40'52 17° <b>)</b> 34'14		inferior conj	13517 Feb 10 03:55	0° <b>∺</b> 37'46 0° <b>∺</b> 25'20	
minimum elong asc. node	13516 Feb 28 15:23 13516 Mar 03 16:28	1/° <b>★</b> 34°14 14° <b>★</b> 02'53	1-19/32	minimum elong	13517 Feb 10 09:44 13517 Feb 10 21:41	0°π25′20 30°R≈	2-39 18
morning rise	13516 Mar 06 12:12	12° <b>)</b> 31'18		morning rise	13517 Feb 17 18:00	25°≈47'24	
direct	13516 Mar 08 19:20	12° <b>)</b> €06'43		asc. node	13517 Feb 18 13:54	25° <b>≈</b> 36′19	
morning max el	13516 Mar 15 10:00	15° <b>)</b> €28'33	17°46'25	direct	13517 Feb 19 20:02	25° <b>≈</b> 29'53	
	13516 Mar 25 15:30	0°Υ		morning max el	13517 Feb 27 01:27	29°≈07'01	17°57'44
morning set desc. node	13516 Mar 31 11:14	10° <b>Y</b> 04'15 19° <b>Y</b> 02'59		marning sat	13517 Feb 27 22:00	0° <b>∺</b> 23° <b>∺</b> 34'34	
desc. flode	13516 Apr 05 15:12	19 1 02 39		morning set	13517 Mar 14 15:16 13517 Mar 18 03:27	23 π3434 0°Υ	
superior conj	13516 Apr 12 10:11	0° <b>8</b> 32'42	-0°51'19	desc. node	13517 Mar 23 11:43	9° <b>Ƴ</b> 36'37	
minimum elong	13516 Apr 12 05:06	0° <b>8</b> 11'35					
	13516 Apr 12 02:19	0°8		superior conj	13517 Mar 24 23:27	12° <b>Ƴ</b> 13'44	
max. Earth dist.	13516 Apr 18 22:44	11° <b>8</b> 10'54	1.44268 AU	minimum elong	13517 Mar 24 22:26	12° <b>Y</b> 09'17	0°11'45
evening rise	13516 Apr 27 07:35	24° <b>8</b> 19'24		behind sun begin	13517 Mar 24 16:55	11° <b>Υ</b> 45'08 12° <b>Υ</b> 33'24	
	13516 May 01 00:38 13516 May 22 00:54	0° <b>©</b>		behind sun end max. Earth dist.	13517 Mar 25 03:57 13517 Apr 01 11:57	12° <b>γ</b> '33'24 25° <b>γ</b> '00'47	1.42556 AU
evening max el	13516 May 27 06:59	6° <b>©</b> 01'10	21°00'25	max. Earth dist.	13517 Apr 04 13:13	0° <b>8</b>	1.42330 AU
asc. node	13516 May 30 13:24	8° <b>©</b> 53'06		evening rise	13517 Apr 07 07:40	4° <b>8</b> 25'56	
retrograde	13516 Jun 04 19:01	10° <b>©</b> 57'47			13517 Apr 24 08:11	$\Pi$ °0	
evening set	13516 Jun 09 01:44	9° <b>©</b> 15'11		evening max el	13517 May 10 01:13	19° <b>Ⅲ</b> 50'51	22°16'38
inferior conj	13516 Jun 14 07:41	3°904'15	3°10'28	asc. node	13517 May 17 10:34	25° <b>Ⅱ</b> 07'59	
minimum elong min. Earth dist.	13516 Jun 14 07:07 13516 Jun 14 18:19	3°506'14 2°527'19	3°09'23 0.68595 AU	retrograde	13517 May 19 16:39 13517 May 24 10:19	25° <b>Ⅱ</b> 31'15 23° <b>Ⅱ</b> 33'06	
IIIII. Eartii tiist.	13516 Jun 16 14:01	2 €02/19 30°R <b>I</b> I	0.08393 AU	evening set inferior conj	13517 May 24 10.19 13517 May 29 17:09	17° <b>I</b> 12'30	2°58'30
morning rise	13516 Jun 19 12:15	26° <b>∏</b> 45'43		minimum elong	13517 May 29 15:44	17° <b>I</b> 17'26	2°57'19
direct	13516 Jun 24 18:12	24° <b>Ⅲ</b> 27'54		min. Earth dist.	13517 May 29 14:46	17° <b>Ⅱ</b> 20'47	0.68923 AU
desc. node	13516 Jul 02 15:51	28° <b>Ⅱ</b> 16′20		morning rise	13517 Jun 03 20:59	11° <b>II</b> 00'03	
	13516 Jul 04 13:20	0°€		direct	13517 Jun 08 14:11	9° <b>Ⅱ</b> 00'40	
morning max el	13516 Jul 05 07:54	0°545'55	23°25'27	morning max el	13517 Jun 17 20:49	14° <b>Ⅱ</b> 26'21	21°57'16
morning set	13516 Jul 27 10:11 13516 Aug 09 03:34	0°Ω 20°Ω16'12		desc. node	13517 Jun 19 12:56 13517 Jun 30 09:45	16°∏11'28 0°©	
max. Earth dist.	13516 Aug 13 04:47		1.39350 AU		13517 Jul 20 09:13	0° <b>U</b>	
	13516 Aug 14 19:18	0° m)		morning set	13517 Jul 20 13:05	0° <b>Ω</b> 15'28	
				max. Earth dist.	13517 Jul 26 05:37	9° <b>£</b> 32′16	1.41642 AU
superior conj	13516 Aug 20 20:46	10° <b>m</b> 58'53					
minimum elong	13516 Aug 21 00:28	11° To 16'05	0°50'33	superior conj	13517 Aug 02 23:11	22° <b>Ω</b> 45'21 23° <b>Ω</b> 13'15	
asc. node evening rise	13516 Aug 26 13:56 13516 Aug 30 04:58	21° Mp 49'30 28° Mp 50'39		minimum elong	13517 Aug 03 05:31 13517 Aug 07 00:43	0° m)	1-25'06
evening rise	13516 Aug 30 19:18	0∘ <b>⊽</b>		asc. node	13517 Aug 13 10:32	11° <b>m</b> ) 44'51	
evening max el	13516 Sep 15 07:28	24° <b>₽</b> 59'25	18°41'56	evening rise	13517 Aug 13 15:19	12° <b>m</b> 07'00	
retrograde	13516 Sep 23 13:22	29° <b>ჲ</b> 08'25			13517 Aug 23 19:20	0∘ <b>亚</b>	
evening set	13516 Sep 25 11:23	28° <b>♀</b> 55'44		evening max el	13517 Aug 29 15:37	7° <b>≙</b> 35'57	18°12'32
desc. node	13516 Sep 28 12:25	27° <b>Ω</b> 48'27	1025122	retrograde	13517 Sep 05 19:34	11° <b>£</b> 14'31	
inferior conj minimum elong	13516 Oct 03 12:52 13516 Oct 03 08:57	24° <b>£</b> 31'42 24° <b>£</b> 38'59		evening set inferior conj	13517 Sep 08 00:07 13517 Sep 15 07:04	10° <b>♀</b> 54'42 6° <b>♀</b> 09'49	0°02'13
min. Earth dist.	13516 Oct 06 15:53	22° <b>₽</b> 13'15	0.57085 AU	minimum elong	13517 Sep 15 07:08	6° <b>₽</b> 09'39	0°02'12
morning rise	13516 Oct 11 03:06	19° <b>മ</b> 30'39		transit middle	13517 Sep 15 07:08	6° <b>₽</b> 09'39	0°02'12
direct	13516 Oct 17 00:38	18° <b>≏</b> 05'12		transit begin	13517 Sep 15 03:45	6° <b>≏</b> 16'59	
morning max el	13516 Oct 31 06:57	25° <b>≏</b> 31'28	26°36'36	transit end	13517 Sep 15 10:32	6° <b>≏</b> 02'17	
	13516 Nov 04 11:39	0°M		desc. node	13517 Sep 15 09:55	6° <b>₽</b> 03'36	0.50006.433
asc. node	13516 Nov 22 15:40 13516 Nov 23 15:43	28°№04'06 0° <i>≯</i> 7		min. Earth dist. morning rise	13517 Sep 18 14:20 13517 Sep 22 10:45	3° <b>♀</b> 19'21 0° <b>♀</b> 34'24	0.59206 AU
morning set	13516 Nov 29 11:54	0 <b>x</b> . 11° <b>x</b> 58′26		morning rise	13517 Sep 22 10.43 13517 Sep 23 12:30	0 <u>=</u> 34 24 30°R, Mp	
<i>3</i>				direct	13517 Sep 28 20:46	28° <b>m</b> ) 41'16	
superior conj	13516 Dec 06 07:21	26° <b>₹</b> '58'49	1°36'22		13517 Oct 04 10:01	0∘ <b>⊽</b>	

morning max el	13517 Oct 13 04:25	6° <b>£</b> 27'22	27°36'48		13518 Oct 05 07:19	0∘ <b>ত</b>	
morning max cr	13517 Oct 13 04:23	0°M	27 30 48		13518 Oct 03 07:19 13518 Oct 23 15:05	0 <u>==</u> 0°M⊾	
asc. node	13517 Nov 09 12:28	17°M35'23		asc. node	13518 Oct 27 09:12	7°ML23'07	
morning set	13517 Nov 13 18:52	26°M20'08		morning set	13518 Oct 28 20:35	10°ML23'59	
morning sec	13517 Nov 15 12:00	0° <b>₹</b>		max. Earth dist.	13518 Nov 03 11:39	22°M24'50	1.31546 AU
max. Earth dist.	13517 Nov 20 05:24	10° <b>₹</b> 24'21	1.31198 AU	max. Dartii dist.	133101101 03 11.37	22 1102 130	1.515 10 110
man. Barur diot.	13017 1107 20 00:21	10 7. 2.21	1.51170110	superior conj	13518 Nov 05 05:09	26°M13'23	1°15'36
superior conj	13517 Nov 20 18:56	11° <b>√</b> 39'51	1°28'51	minimum elong	13518 Nov 05 02:57	26°ML01'14	1°16'06
minimum elong	13517 Nov 20 17:15	11° <b>∡</b> ³30′27	1°29'39		13518 Nov 06 22:03	0° <b>∡</b> ¹	
evening rise	13517 Nov 27 12:10	26° <b>₹</b> 29'42		evening rise	13518 Nov 11 22:22	11° <b>∡</b> °01'31	
Č	13517 Nov 29 03:45	ರ°0		S	13518 Nov 21 10:33	ರ°0	
desc. node	13517 Dec 12 07:01	24° <b>る</b> 20'29		desc. node	13518 Nov 29 04:06	12° <b>る</b> 28'12	
	13517 Dec 16 01:01	0° <b>≈</b>		evening max el	13518 Dec 08 00:22	23° <b>る</b> 02'08	24°55'47
evening max el	13517 Dec 26 09:08	12° <b>≈</b> 22'26	26°19'49	retrograde	13518 Dec 21 19:09	29° <b>る</b> 55'54	
retrograde	13518 Jan 09 08:06	19° <b>≈</b> 28′03		evening set	13518 Dec 27 08:43	28° <b>පි</b> 46'51	
evening set	13518 Jan 15 17:48	17° <b>≈</b> 49′12		min. Earth dist.	13519 Jan 01 12:17	26° <b>ට</b> 02'34	0.56508 AU
min. Earth dist.	13518 Jan 19 22:41	15° <b>≈</b> 12'40	0.58427 AU	inferior conj	13519 Jan 04 02:25	24° <b>る</b> 22'38	-5°17'15
inferior conj	13518 Jan 23 01:23	12° <b>≈</b> 54'25	-4°05'26	minimum elong	13519 Jan 04 10:25	24° <b>る</b> 09'44	5°14'42
minimum elong	13518 Jan 23 09:49	12° <b>≈</b> 38'46	4°01'57	morning rise	13519 Jan 12 14:19	20° <b>ට</b> 15'10	
morning rise	13518 Jan 31 04:48	8° <b>≈</b> 25'16		direct	13519 Jan 14 21:05	20° <b>る</b> 00'32	
direct	13518 Feb 02 05:47	8° <b>≈</b> 11'10		asc. node	13519 Jan 23 08:39	23° <b>る</b> 39'18	
asc. node	13518 Feb 05 11:18	8° <b>≈</b> 48'24		morning max el	13519 Jan 24 09:54	24° <b>る</b> 37'09	19°21'57
morning max el	13518 Feb 10 10:45	12° <b>≈</b> 13'34	18°28'54		13519 Jan 28 23:00	0° <b>≈</b>	
	13518 Feb 22 07:15	0° <b>)</b> €		morning set	13519 Feb 10 10:06	22° <b>≈</b> 06'36	
morning set	13518 Feb 26 08:17	7° <b>)</b> 39′20			13519 Feb 14 08:39	0° <b>∀</b>	
superior conj	13518 Mar 07 10:00	24° <b>¥</b> 52′33		superior conj	13519 Feb 18 13:19	8° <b>¥</b> 17'01	
minimum elong	13518 Mar 07 11:36	24° <b>¥</b> 59′59	0°23'21	minimum elong	13519 Feb 18 16:00	8° <b>¥</b> 30′03	0°52'11
desc. node	13518 Mar 10 08:13	0° <b>Υ</b> 12'41		max. Earth dist.	13519 Feb 25 03:26	20° <b>)</b> 41′54	1.38208 AU
	13518 Mar 10 05:24	0° <b>Υ</b>		desc. node	13519 Feb 25 04:46	20° <b>)</b> 47′57	
max. Earth dist.	13518 Mar 14 20:50	8° <b>℃</b> 11'11	1.40459 AU	evening rise	13519 Feb 28 20:48	27° <b>∺</b> 20'17	
evening rise	13518 Mar 19 03:43	15° <b>Y</b> 26'11			13519 Mar 02 09:41	0° <b>Υ</b>	
	13518 Mar 28 07:11	0° <b>8</b>			13519 Mar 21 18:50	0°8	0.405.00.0
. ,	13518 Apr 19 05:07	0°П	22027120	evening max el	13519 Apr 05 05:51	17° <b>8</b> 35'17	24°56'26
evening max el	13518 Apr 22 16:12		23°37'30	retrograde	13519 Apr 17 02:31	24° <b>8</b> 29'27	
retrograde	13518 May 03 11:32	10° <b>Ⅱ</b> 03'43		asc. node	13519 Apr 21 05:14	23° <b>8</b> 16'12	
asc. node	13518 May 04 07:52	10° <b>∏</b> 00′28		evening set	13519 Apr 22 19:28	22° <b>8</b> 06'10	0.60176.411
evening set min. Earth dist.	13518 May 08 16:45	7° <b>Ⅱ</b> 51'41 2° <b>Ⅱ</b> 15'49	0.68780 AU	min. Earth dist.	13519 Apr 27 06:14	17° <b>8</b> 06'31	0.68176 AU 2°03'56
inferior conj	13518 May 13 11:27 13518 May 14 02:28	2 <b>П</b> 1349 1° <b>П</b> 24'17		inferior conj minimum elong	13519 Apr 28 09:47 13519 Apr 28 07:38	15° <b>8</b> 42'48	
minimum elong	13518 May 14 02:28 13518 May 14 00:30	1° <b>I</b> I31'04		morning rise	13519 May 03 20:03	9° <b>8</b> 39'36	2 02 38
minimum ciong	13518 May 14 00:30	30°R <b>8</b>	2 33 01	direct	13519 May 07 12:39	8° <b>8</b> 21'24	
morning rise	13518 May 19 08:12	25° <b>8</b> 19'22		morning max el	13519 May 07 12:39 13519 May 14 17:20	12° <b>8</b> 19'23	19°30'48
direct	13518 May 23 12:49	23° <b>8</b> 40'31		desc. node	13519 May 24 06:48	24° <b>8</b> 18'36	17 30 40
morning max el	13518 May 31 15:19	28° <b>8</b> 17'07	20°37'27	greatest brilliancy	13519 May 27 08:50	28° <b>8</b> 46'29	-0.7m
moning man vi	13518 Jun 02 06:40	0°П	20 37 27	greatest erimane)	13519 May 28 04:47	0°II	0.7111
desc. node	13518 Jun 06 09:55	4° <b>∏</b> 56'46		morning set	13519 Jun 09 01:19	17° <b>Ⅱ</b> 57'19	
	13518 Jun 23 22:33	0.ಪ			13519 Jun 16 20:03	0°9	
morning set	13518 Jun 29 23:47	9° <b>©</b> 15'58		max. Earth dist.	13519 Jun 21 03:57	6° <b>©</b> 47'25	1.45028 AU
max. Earth dist.	13518 Jul 08 13:27	22°5547'48	1.43610 AU				
	13518 Jul 12 23:37	$0^{\circ}\Omega$		superior conj	13519 Jun 25 07:42	13° <b>©</b> 23'12	-2°11'39
				minimum elong	13519 Jun 25 10:56	13°936'11	2°12'36
superior conj	13518 Jul 15 03:15	3° <b>£</b> 33′50	-1°54'29		13519 Jul 05 12:53	$0^{\circ}\Omega$	
minimum elong	13518 Jul 15 10:19	4° <b>Ω</b> 03'19	1°54'49	evening rise	13519 Jul 09 08:51	6° <b>Ω</b> 22'18	
evening rise	13518 Jul 27 10:19	24° <b>Ω</b> 41'33		asc. node	13519 Jul 18 03:57	20° <b>Q</b> 55'42	
	13518 Jul 30 10:53	0° <b>™</b>			13519 Jul 24 05:48	0° <b>m</b>	
asc. node	13518 Jul 31 07:12	1°Mp28'40		evening max el	13519 Jul 27 19:08	4° <b>™</b> 09'58	18°11'37
evening max el	13518 Aug 13 04:44	20° <b>m</b> 42'42	18°02'46	retrograde	13519 Aug 03 03:37	7° <b>m</b> 31'12	
retrograde	13518 Aug 19 17:48	24° Mp 05'26		evening set	13519 Aug 06 00:34	6° Mp 47′04	
evening set	13518 Aug 22 06:24	23° M 34'50		inferior conj	13519 Aug 12 01:35	1° <b>m</b> 24'47	
inferior conj	13518 Aug 28 20:38	18° <b>m</b> 30'08	1°18'30	minimum elong	13519 Aug 12 04:05	1° <b>m</b> ) 17'47	2°11'29
minimum elong	13518 Aug 28 22:43	18° <b>M</b> 24'56	1°17'30		13519 Aug 13 07:42	30°R <b>Ω</b>	
min. Earth dist.	13518 Aug 31 21:41	15° <b>m</b> 29'19	0.61496 AU	min. Earth dist.	13519 Aug 14 14:46		0.63692 AU
desc. node	13518 Sep 02 07:26	14° <b>m</b> 12'30		morning rise	13519 Aug 18 05:54	25° <b>Ω</b> 08'31	
morning rise	13518 Sep 04 12:25	12° <b>m</b> 29'22		desc. node	13519 Aug 20 04:57	23° <b>Ω</b> 50'41	
direct	13518 Sep 11 04:15	10° Mp 12'24		direct	13519 Aug 24 21:12	22° <b>Ω</b> 35'17	
morning max el	13518 Sep 25 08:53	18° Mp 10'20	27°58'36		13519 Sep 07 03:33	0° <b>m</b> y	

morning max el	13519 Sep 07 18:07 13519 Sep 29 09:35	0° m/36′03 0° <u>∩</u>	27°42'27	morning max el	13520 Aug 20 05:21 13520 Sep 02 12:38	13° <b>Ω</b> 34'00 0° <b>m</b> 0° <b>≏</b>	26°54'10
morning set asc. node	13519 Oct 12 14:41 13519 Oct 14 05:51	24° <b>£</b> 03'36 27° <b>£</b> 21'16		morning set	13520 Sep 21 01:41 13520 Sep 24 22:20	0° <u>11</u> 7° <b>1</b> 2'49	
asc. nouc	13519 Oct 14 03:31 13519 Oct 15 12:44	0°M		max. Earth dist.	13520 Sep 24 22:20 13520 Sep 29 02:58	15° <b>£</b> 27'00	1.33856 AU
max. Earth dist.	13519 Oct 17 11:55		1.32435 AU	asc. node	13520 Sep 30 02:28	17° <b>£</b> 25′54	1.55050110
superior conj	13519 Oct 20 11:59	10° <b>M</b> ₃33'04	0°56'40	superior conj	13520 Oct 03 13:15	24° <b>≙</b> 33'54	0°32'14
minimum elong	13519 Oct 20 09:46	10°M21'02	0°56'52	minimum elong	13520 Oct 03 11:39	24° <b>≙</b> 25'31	0°32'16
evening rise	13519 Oct 27 09:32	25° <b>™</b> 33'09			13520 Oct 06 02:56	0° <b>M</b> ₅	
	13519 Oct 29 11:51	0° <b>⊼</b> ¹		evening rise	13520 Oct 10 19:47	10°M00'17	
desc. node	13519 Nov 16 01:19	29°♂28'26 0°♂		i1	13520 Oct 21 03:52	0° <b>⊼</b>	21925125
evening max el	13519 Nov 16 12:07 13519 Nov 19 10:14	3° <b>ろ</b> 06'06	23°15'03	evening max el desc. node	13520 Oct 30 23:48 13520 Nov 01 22:36	13° <b>∡</b> 11'19 14° <b>∡</b> 757'45	21-35-35
retrograde	13519 Nov 19 10.14 13519 Dec 02 17:24	9° <b>る</b> 42'52	23 13 03	retrograde	13520 Nov 01 22.30 13520 Nov 12 05:59	19° <b>х</b> 16'20	
evening set	13519 Dec 07 00:20	9°る02'54		evening set	13520 Nov 15 03:57	18° <b>×</b> 756'59	
min. Earth dist.	13519 Dec 13 19:58		0.55108 AU	inferior conj	13520 Nov 24 00:08	15° <b>х</b> 03′17	-5°38'11
inferior conj	13519 Dec 15 07:30	5° <b>ට</b> 00'11	-5°55'27	minimum elong	13520 Nov 23 17:15	15° <b>∡</b> 12'56	5°36'14
minimum elong	13519 Dec 15 09:22	4° <b>る</b> 57'28	5°54'21	min. Earth dist.	13520 Nov 24 02:03	15° <b>∡</b> ¹00'35	0.54507 AU
morning rise	13519 Dec 23 20:01	1° <b>る</b> 09'36		morning rise	13520 Dec 02 07:24	11° <b>₹</b> 15'03	
direct	13519 Dec 26 17:10	0° <b>る</b> 49'49		direct	13520 Dec 06 01:26	10° <b>∡</b> ¹44'27	
morning max el	13520 Jan 06 19:24	6° <b>る</b> 07'45	20°38'16	morning max el	13520 Dec 18 14:53	16° <b>∡</b> ¹45'56	22°15'26
asc. node	13520 Jan 10 05:56	9° <b>る</b> 54'06		asc. node	13520 Dec 27 03:06	27° <b>∡</b> 15'46	
	13520 Jan 22 09:24	0° <b>≈</b>			13520 Dec 28 21:04	0° <b>ろ</b>	
morning set	13520 Jan 25 17:33	6° <b>≈</b> 46′20		morning set	13521 Jan 09 04:11	21° <b>る</b> 31'26	
	12520 F 1 02 05 02	2201 4122	1012141		13521 Jan 13 03:30	0° <b>≈</b>	
superior conj minimum elong	13520 Feb 02 05:02 13520 Feb 02 07:39	22°≈14'32 22°≈27'52	1°13′41 1°14′05	superior conj	13521 Jan 16 05:32	6° <b>≈</b> 34'39	1°28'17
minimum ciong	13520 Feb 02 07:39 13520 Feb 06 02:04	0° <b>\</b>	1 1403	minimum elong	13521 Jan 16 07:25	6°≈44'40	1°29'02
max. Earth dist.	13520 Feb 07 11:31	2° <b>)</b> 42'44	1.36035 AU	max. Earth dist.	13521 Jan 20 01:22	14°≈32'49	1.34153 AU
evening rise	13520 Feb 11 08:21	10° <b>₩</b> 00'29	1.50055 110	evening rise	13521 Jan 24 10:53	23°≈17'47	1.5 1155 110
desc. node	13520 Feb 12 01:20	11° <b>¥</b> 18′21		<i>5</i>	13521 Jan 28 00:09	0° <b>)</b>	
	13520 Feb 23 00:47	$0^{\circ}$ Y		desc. node	13521 Jan 28 21:57	1° <b>)</b> 39′40	
	13520 Mar 16 09:21	0°8			13521 Feb 15 16:31	$0^{\circ}$ Y	
evening max el	13520 Mar 17 19:22	1° <b>8</b> 25'35	26°06'23	evening max el	13521 Feb 28 08:56	15° <b>Ƴ</b> 05'47	26°59'57
retrograde	13520 Mar 30 12:45	8° <b>8</b> 41'57		retrograde	13521 Mar 13 17:22	22° <b>Y</b> 32'44	
evening set	13520 Apr 05 16:48	6° <b>8</b> 11'22		evening set	13521 Mar 20 06:46	20° <b>Y</b> ′00′23	
asc. node	13520 Apr 07 02:39	4° <b>8</b> 53'53	0.67121.411	min. Earth dist.	13521 Mar 24 05:42	16° <b>Y</b> 09′28	0.65683 AU
min. Earth dist.	13520 Apr 09 21:00 13520 Apr 11 07:30	1° <b>႘</b> 47'01 30°қ <b>Ƴ</b>	0.67131 AU	asc. node inferior conj	13521 Mar 25 00:07 13521 Mar 26 10:01	15° <b>Y</b> 17'19 13° <b>Y</b> 39'37	0°26'54
inferior conj	13520 Apr 11 07.30 13520 Apr 11 13:04	30 K 1 29° <b>Υ</b> 42'39	1°20'59	minimum elong	13521 Mar 26 10:01 13521 Mar 26 09:18	13 <b>γ</b> 39 3 7 13° <b>γ</b> 41'42	0°26'28
minimum elong	13520 Apr 11 11:16	29° <b>Υ</b> 48'14	1°19'56	morning rise	13521 Apr 01 13:18	8° <b>Υ</b> 05'46	0 2020
morning rise	13520 Apr 17 06:32	23° <b>Y</b> 56'49	1 1750	direct	13521 Apr 04 08:50	7° <b>Υ</b> 22'48	
direct	13520 Apr 20 12:00	22° <b>Y</b> ′57'39		morning max el	13521 Apr 10 17:23	10° <b>Ƴ</b> 42'33	18°05'26
morning max el	13520 Apr 27 02:40	26° <b>Ƴ</b> 30'11	18°39'47		13521 Apr 24 09:12	$9^{\circ}$ 8	
	13520 Apr 30 06:05	$0^{\circ}$ 8		desc. node	13521 Apr 27 00:15	4° <b>8</b> 15'01	
desc. node	13520 May 10 03:35	14° <b>8</b> 07'15		morning set	13521 Apr 29 07:46	8° <b>8</b> 00'13	
morning set	13520 May 18 15:16	27° <b>8</b> 19'31			13521 May 13 01:33	$\Pi$ °0	
	13520 May 20 08:18	0°II					
max. Earth dist.	13520 Jun 02 22:30	21° <b>Ⅱ</b> 13′26	1.45756 AU	superior conj	13521 May 14 04:06	1° <b>Ⅱ</b> 44′26	
aumariar aani	12520 Jun 02 19:52	220T22157	2010/20	minimum elong	13521 May 13 19:05	1° <b>Ⅱ</b> 08'59 5° <b>Ⅱ</b> 48'10	1°49'19
superior conj minimum elong	13520 Jun 03 18:52 13520 Jun 03 14:29	22° <b>Ⅱ</b> 32'57 22° <b>Ⅱ</b> 15'50		max. Earth dist. evening rise	13521 May 16 18:17 13521 May 30 06:37	26° <b>П</b> 47'04	1.45744 AU
minimum ciong	13520 Jun 08 13:00	0°95	2 11 13	evening rise	13521 Jun 01 08:35	20 <b>n</b> 47 04 0°ତ	
evening rise	13520 Jun 19 07:07	17° <b>5</b> 01'49		greatest brilliancy	13521 Jun 11 19:58	15° <b>9</b> 59'00	-0.7m
greatest brilliancy	13520 Jun 26 12:54	28°933'53	-0.9m	asc. node	13521 Jun 20 21:42	28°532'06	0.7111
5	13520 Jun 27 10:44	0° <b>Ω</b>			13521 Jun 22 03:52	0° <b>Ω</b>	
asc. node	13520 Jul 04 00:47	9° <b>Ω</b> 59'48		evening max el	13521 Jun 23 16:08	1° <b>Ω</b> 36′22	19°21'59
evening max el	13520 Jul 10 07:44	17° <b>Ω</b> 50′10	18°38'20	retrograde	13521 Jun 30 18:03	5° <b>Ω</b> 33'47	
retrograde	13520 Jul 16 20:49	21° <b>Q</b> 23'18		evening set	13521 Jul 04 08:51	4° <b>Ω</b> 17'44	
evening set	13520 Jul 20 02:25	20° <b>Ω</b> 23'46			13521 Jul 08 13:25	30° <b>₹</b> 5	
inferior conj	13520 Jul 25 18:00		2°47'42	inferior conj	13521 Jul 09 18:25	28° <b>©</b> 26'10	3°06'44
minimum elong	13520 Jul 25 19:58		2°46'32	minimum elong	13521 Jul 09 19:26	28°522'47	3°05'40
min. Earth dist.	13520 Jul 27 17:05	12° <b>Ω</b> 21'52	0.65604 AU	min. Earth dist.	13521 Jul 11 03:00	26°539'20	0.67129 AU
morning rise	13520 Jul 31 12:31	8° <b>Ω</b> 22'43		morning rise	13521 Jul 15 05:29	22°901'56	
desc. node direct	13520 Aug 06 02:23 13520 Aug 06 22:17	5° <b>Ω</b> 45'06 5° <b>Ω</b> 42'36		direct desc. node	13521 Jul 21 06:09 13521 Jul 23 23:46	19° <b>©</b> 24'19 19° <b>©</b> 52'01	
uncci	13320 Aug 00 22.17	J 0642 30		acsc. Hour	13321 Jul 23 23.40	19 200 UI	

morning max el	13521 Aug 02 16:14	26° <b>©</b> 50'34	25°42'24	direct	13522 Jul 04 19:32	3° <b>5</b> 32'08	
	13521 Aug 05 14:46	$0$ $^{\circ}$ $\Omega$		desc. node	13522 Jul 10 21:05	5° <b>©</b> 47'44	
	13521 Aug 27 03:23	O°Mp		morning max el	13522 Jul 16 02:21	10° <b>©</b> 17'39	24°16'54
morning set	13521 Sep 07 15:53	19° <b>m</b> 42'17			13522 Jul 31 17:49	$0^{\circ}\Omega$	
max. Earth dist.	13521 Sep 11 07:47	26° Mp 31'22	1.35755 AU		13522 Aug 19 20:06	0° <b>m</b> ⁄	
	13521 Sep 13 03:18	0∘ <b>ত</b>		morning set	13522 Aug 20 14:54	1° <b>m</b> )21'02	
asc. node	13521 Sep 16 23:02	7° <b>م</b> 32'41		max. Earth dist.	13522 Aug 24 06:17	7° <b>m</b> 45'45	1.38002 AU
superior conj	13521 Sep 17 06:11	8° <b>ჲ</b> 08'40	0°02'49	superior conj	13522 Aug 31 11:28	21° <b>m</b> 09'12	-0°30'33
minimum elong	13521 Sep 17 06:01	8° <b>ჲ</b> 07'49	0°02'50	minimum elong	13522 Aug 31 13:34	21°Mp19'18	0°30'25
behind sun begin	13521 Sep 16 23:54	7° <b>₽</b> 37'02		asc. node	13522 Sep 03 19:34	27° Mp 38'00	
behind sun end	13521 Sep 17 12:08	8° <b>≏</b> 38'40			13522 Sep 05 00:25	0∘ <b>ত</b>	
evening rise	13521 Sep 25 03:00	24° <b>₽</b> 17'13		evening rise	13522 Sep 09 04:43	8° <b>≏</b> 17'28	
	13521 Sep 27 22:30	0° <b>M</b>			13522 Sep 21 08:03	0° <b>M</b> ₊	
evening max el	13521 Oct 13 01:36	23°M52'22	20°11'23	evening max el	13522 Sep 25 17:35	5° <b>™</b> 21'51	19°08'15
desc. node	13521 Oct 19 19:58	28°M29'12		retrograde	13522 Oct 04 18:39	9° <b>™</b> 53'44	
retrograde	13521 Oct 23 18:07	29°M11'22		evening set	13522 Oct 06 15:17	9° <b>™</b> 43′02	
evening set	13521 Oct 25 19:35	29°M00'24		desc. node	13522 Oct 06 17:25	9° <b>™</b> 42'00	
inferior conj	13521 Nov 03 18:05	25°M03'10	-4°24'01	inferior conj	13522 Oct 15 02:37	5° <b>™</b> 30′24	-2°38'13
minimum elong	13521 Nov 03 08:01	25° <b>™</b> 18′07	4°20'17	minimum elong	13522 Oct 14 19:52	5°M41'50	2°35'08
min. Earth dist.	13521 Nov 05 09:40	24°M04'19	0.54847 AU	min. Earth dist.	13522 Oct 17 20:59	3°M38'24	0.56072 AU
morning rise	13521 Nov 11 19:31	20°M57'24		morning rise	13522 Oct 22 21:45	0° <b>™</b> 51'35	
direct	13521 Nov 16 11:55	20°M09'48			13522 Oct 25 14:26	30° <b>Ŗ</b> Ω	
morning max el	13521 Nov 30 01:37	26° <b>™</b> 49'58	24°03'57	direct	13522 Oct 28 10:00	29° <b>≏</b> 41'21	
	13521 Dec 03 02:59	0° <b>∡</b> ¹			13522 Oct 31 05:38	$0^{\circ}$ M.	
asc. node	13521 Dec 14 00:10	15° <b>∡</b> ¹28'55		morning max el	13522 Nov 11 12:18	6°M52′02	25°47'05
	13521 Dec 21 16:21	0°ಕ			13522 Nov 28 11:15	0° <b>∡</b> ¹	
morning set	13521 Dec 24 16:04	6° <b>る</b> 16'39		asc. node	13522 Nov 30 21:08	4° <b>∡</b> ¹20′07	
				morning set	13522 Dec 09 03:23	20° <b>∡</b> 56′24	
superior conj	13521 Dec 31 11:57	21° <b>ろ</b> 09'19	1°36'17		13522 Dec 13 06:42	8°0	
minimum elong	13521 Dec 31 12:48	21° <b>る</b> 14'01	1°37'16				
max. Earth dist.	13522 Jan 02 23:05	26° <b>る</b> 28'54	1.32694 AU	superior conj	13522 Dec 15 21:54	5°る50'50	1°38'04
	13522 Jan 04 14:50	0° <b>≈</b>		minimum elong	13522 Dec 15 21:39	5° <b>る</b> 49'31	1°39'06
evening rise	13522 Jan 08 01:02	7° <b>≈</b> 03'54		max. Earth dist.	13522 Dec 17 03:32	8° <b>පි</b> 34'56	1.31716 AU
desc. node	13522 Jan 15 18:39	21° <b>≈</b> 47'07		evening rise	13522 Dec 22 23:45	21° <b>る</b> 10'17	
	13522 Jan 20 13:18	0° <b>∀</b>		-	13522 Dec 27 08:48	0° <b>≈</b>	
evening max el	13522 Feb 10 21:41	28° <b>升</b> 25′58	27°29'50	desc. node	13523 Jan 02 15:25	11° <b>≈</b> 33'47	
	13522 Feb 12 14:42	$0^{\circ}\mathbf{\Upsilon}$			13523 Jan 14 14:41	0° <b>)</b> €	
retrograde	13522 Feb 24 15:18	5° <b>Ƴ</b> 52'58		evening max el	13523 Jan 24 07:24	11° <b>) (</b> 12′10	27°29'34
evening set	13522 Mar 03 11:07	3° <b>Y</b> 25'42		retrograde	13523 Feb 07 05:17	18° <b>)</b> 32′29	
	13522 Mar 07 08:27	30°₽ <b>)</b> €		evening set	13523 Feb 14 03:01	16° <b>) (</b> 17′50	
min. Earth dist.	13522 Mar 07 06:23	0° <b>Ƴ</b> 05'11	0.63889 AU	min. Earth dist.	13523 Feb 17 21:13	13° <b>)</b> 22′27	0.61837 AU
inferior conj	13522 Mar 09 22:00	27° <b>)</b> € 20′20	-0°38'37	inferior conj	13523 Feb 20 21:49	10° <b>)</b> 35′40	-1°54'45
minimum elong	13522 Mar 09 23:13	27° <b>) (</b> 17′11	0°37'58	minimum elong	13523 Feb 21 01:49	10° <b>)</b> €26′26	1°52'41
asc. node	13522 Mar 11 21:34	25° <b>)</b> €20'38		asc. node	13523 Feb 26 19:01	6° <b>)</b> €06'35	
morning rise	13522 Mar 16 13:33	22° <b>)</b> € 00'49		morning rise	13523 Feb 28 03:28	5° <b>)</b> €33'33	
direct	13522 Mar 19 00:40	21° <b>)</b> € 30′33		direct	13523 Mar 02 08:08	5° <b>升</b> 12′20	
morning max el	13522 Mar 25 10:51	24° <b>¥</b> 48'47	17°48'16	morning max el	13523 Mar 09 03:56	8° <b>¥</b> 39′27	17°48'55
	13522 Mar 29 18:30	$0^{\circ}\mathbf{\Upsilon}$			13523 Mar 23 04:44	$0$ ° $\mathbf{Y}$	
morning set	13522 Apr 11 03:53	20° <b>Ƴ</b> 01'05		morning set	13523 Mar 24 22:01	3° <b>Ƴ</b> 03'51	
desc. node	13522 Apr 13 20:51	24° <b>Y</b> 36'29		desc. node	13523 Mar 31 17:23	15° <b>Y</b> 06′29	
	13522 Apr 17 01:48	$0^{\circ}B$					
				superior conj	13523 Apr 05 03:28	22° <b>Y</b> 42'44	-0°34'15
superior conj	13522 Apr 24 04:07	11° <b>8</b> 40'50	-1°14'14	minimum elong	13523 Apr 05 00:13	22° <b>Y</b> 28'58	0°34'03
minimum elong	13522 Apr 23 20:40	11° <b>8</b> 10'36	1°13'54		13523 Apr 09 12:03	0°B	
max. Earth dist.	13522 Apr 29 13:22	20° <b>8</b> 18'09	1.45004 AU	max. Earth dist.	13523 Apr 12 05:39	4° <b>8</b> 28'11	1.43605 AU
	13522 May 05 18:03	$\Pi^{\circ}0$		evening rise	13523 Apr 19 09:50	15° <b>8</b> 51'36	
evening rise	13522 May 09 18:13	6° <b>Ⅱ</b> 10′13			13523 Apr 28 17:06	$\Pi$ $^{\circ}0$	
	13522 May 25 17:30	$0$ $\circ$ $50$		evening max el	13523 May 20 16:08	29° <b>∏</b> 14′24	21°31'55
evening max el	13522 Jun 06 19:00	15° <b>©</b> 25'05	20°20'48		13523 May 21 10:46	$0$ $\circ$ $\infty$	
asc. node	13522 Jun 07 18:42	16° <b>5</b> 22'11		asc. node	13523 May 25 15:49	3° <b>5</b> 016'33	
retrograde	13522 Jun 14 16:49	19° <b>©</b> 57'23		retrograde	13523 May 29 15:18	4°528'56	
evening set	13522 Jun 18 17:33	18° <b>5</b> 24'22		evening set	13523 Jun 03 02:41	2° <b>©</b> 39'25	
inferior conj	13522 Jun 24 00:05	12° <b>5</b> 20'16	3°12'26		13523 Jun 05 16:07	30°R∏	
minimum elong	13522 Jun 24 00:05	12° <b>5</b> 20'17	3°11'23	inferior conj	13523 Jun 08 08:45	26° <b>Ⅱ</b> 24'15	3°06'38
min. Earth dist.	13522 Jun 24 18:35	11° <b>©</b> 16'59	0.68204 AU	minimum elong	13523 Jun 08 07:48	26° <b>∏</b> 27'34	3°05'31
morning rise	13522 Jun 29 06:18	5° <b>9</b> 59'02		min. Earth dist.	13523 Jun 08 13:46	26° <b>Ⅱ</b> 06'46	0.68799 AU

morning rise	13523 Jun 13 12:43	20° <b>Ⅱ</b> 08′23		minimum elong	13524 May 22 16:41	10° <b>Ⅱ</b> 39'58	2°49'06
direct	13523 Jun 18 13:21	17° <b>Ⅲ</b> 58′01		min. Earth dist.	13524 May 22 10:29	11° <b>Ⅲ</b> 01′28	0.68916 AU
desc. node	13523 Jun 27 18:16	23° <b>Ⅲ</b> 05'55		morning rise	13524 May 27 22:43	4° <b>Ⅲ</b> 24'54	
morning max el	13523 Jun 28 13:30	23° <b>Ⅱ</b> 53'14	22°47'22	direct	13524 Jun 01 10:26	2° <b>Ⅲ</b> 34′23	
	13523 Jul 03 23:37	0°ಅ		morning max el	13524 Jun 10 04:36	7° <b>Ⅲ</b> 38'10	21°22'03
	13523 Jul 25 03:02	$0^{\circ}\Omega$		desc. node	13524 Jun 13 15:20	11° <b>Ⅲ</b> 24'18	
morning set	13523 Aug 01 15:00	11° <b>Ω</b> 58'49			13524 Jun 27 09:44	0°©	
max. Earth dist.	13523 Aug 06 05:17	19° <b>Ω</b> 40'10	1.40354 AU	morning set	13524 Jul 11 14:05	21° <b>9</b> 31'14	
max. Lartii dist.	13523 Aug 10 03:17	0° m)	1.40334 AC	morning set	13524 Jul 16 21:24	0°Ω	
	13323 Aug 12 03.17	עוו ט		T 4 11 4			1 40521 444
	12522 1 11 01 02	203 200	1005125	max. Earth dist.	13524 Jul 18 09:17	2°3726'16	1.42531 AU
superior conj	13523 Aug 14 01:02	3°M)26'07				_	
minimum elong	13523 Aug 14 05:56	3° Mp 48'23	1°05'26	superior conj	13524 Jul 25 18:21	14° <b>Ω</b> 48'36	
asc. node	13523 Aug 21 16:08	17° <b>m</b> 38'27		minimum elong	13524 Jul 26 01:24	15° <b>Ω</b> 18'54	1°38'40
evening rise	13523 Aug 23 21:51	21° <b>m</b> 53'28			13524 Aug 03 09:13	0° <b>m</b> )	
	13523 Aug 28 05:27	0∘ <b>ত</b>		evening rise	13524 Aug 06 02:21	4° <b>ዀ</b> 54'04	
evening max el	13523 Sep 08 21:01	17° <b>≏</b> 36'47	18°26'51	asc. node	13524 Aug 07 12:45	7° <b>m</b> 29'37	
retrograde	13523 Sep 16 14:27	21° <b>₽</b> 31'13			13524 Aug 21 21:01	0∘ <b>ত</b>	
evening set	13523 Sep 18 14:57	21° <b>♀</b> 15'56		evening max el	13524 Aug 22 07:43	0° <b>≏</b> 27'14	18°05'58
desc. node	13523 Sep 23 14:56	18° <b>≏</b> 46'33		retrograde	13524 Aug 29 04:14	3° <b>£</b> 57'42	
inferior conj	13523 Sep 26 08:29	16° <b>⊆</b> 42'36	0°51'47	evening set	13524 Aug 31 11:58	3° <b>△</b> 33'49	
minimum elong	*		0°50'46	evening set	13524 Sep 06 00:03	30°RM)	
Č	13523 Sep 26 06:29	16° <b>Ω</b> 46'35					0027121
min. Earth dist.	13523 Sep 29 14:41	14° <b>≏</b> 08'26	0.57949 AU	inferior conj	13524 Sep 07 11:26	28° <b>m</b> 40'07	
morning rise	13523 Oct 03 18:32	11° <b>≏</b> 26′15		minimum elong	13524 Sep 07 12:36	28° <b>m</b> 37'25	0°36'47
direct	13523 Oct 09 22:02	9° <b>≏</b> 49'17		desc. node	13524 Sep 09 12:29	26° Mp 46'26	
morning max el	13523 Oct 24 05:30	17° <b>≏</b> 24'05	27°06'44	min. Earth dist.	13524 Sep 10 16:56	25° <b>m</b> 42'30	0.60174 AU
	13523 Nov 03 16:28	0° <b>M</b>		morning rise	13524 Sep 14 10:04	22° <b>m</b> 52'18	
asc. node	13523 Nov 17 18:00	23°M39'24		direct	13524 Sep 20 23:08	20° <b>m</b> 48'27	
	13523 Nov 20 22:09	0° <b>∡</b> 7		morning max el	13524 Oct 05 06:27	28° m 41'03	27°50'54
morning set	13523 Nov 23 12:29	5° <b>∡</b> ¹26'25		Č	13524 Oct 06 13:33	0∘ <del>⊽</del>	
					13524 Oct 27 13:37	0°M	
superior conj	13523 Nov 30 09:26	20° <b>∡</b> "33'44	1033'53	asc. node	13524 Nov 03 14:46	13°M18'26	
	13523 Nov 30 09:20 13523 Nov 30 08:12	20° × 33° 44° 20° × 726'54	1°34'49		13524 Nov 06 17:30	19°M41'24	
minimum elong				morning set			
max. Earth dist.	13523 Nov 30 11:39	20° <b>∡</b> ¹46′10	1.31242 AU		13524 Nov 11 12:21	0° <b>⋌</b> ¹	
	13523 Dec 04 15:26	0°ಕ		max. Earth dist.	13524 Nov 12 19:38	2° <b>≯</b> 52'58	1.31281 AU
evening rise	13523 Dec 07 04:36	5° <b>る</b> 30'55					
	13523 Dec 19 23:55	0° <b>≈</b>		superior conj	13524 Nov 13 20:40	5° <b>∡</b> 12'09	1°23'56
desc. node	13523 Dec 20 12:19	0° <b>≈</b> 51'35		minimum elong	13524 Nov 13 18:43	5° <b>∡</b> '01'18	1°24'36
evening max el	13524 Jan 06 11:13	23° <b>≈</b> 12′02	26°54'58	evening rise	13524 Nov 20 13:24	19° <b>∡</b> ¹59'49	
	13524 Jan 17 08:41	0° <b>∀</b>			13524 Nov 25 08:41	0° <b>ろ</b>	
retrograde	13524 Jan 20 10:11	0° <b>¥</b> 23′20		desc. node	13524 Dec 06 09:21	19° <b>る</b> 29'10	
C	13524 Jan 23 10:32	30° <b>R</b> ≈			13524 Dec 14 04:47	0° <b>≈</b>	
evening set	13524 Jan 27 03:06	28° <b>≈</b> 29'02		evening max el	13524 Dec 18 06:57	4° <b>≈</b> 19'19	25°46'59
min. Earth dist.	13524 Jan 31 01:20	25° <b>≈</b> 49'44	0.59662 AU	retrograde	13525 Jan 01 04:47	11° <b>≈</b> 20'55	23 103)
inferior conj	13524 Feb 03 05:53	23°≈16'13		evening set	13525 Jan 07 07:20	9° <b>≈</b> 54'07	
3		23°≈01'55		min. Earth dist.			0.57562 AU
minimum elong	13524 Feb 03 13:00		3 14 32		13525 Jan 11 19:38		
morning rise	13524 Feb 11 02:00	18° <b>≈</b> 34'44		inferior conj	13525 Jan 14 18:50	5°≈12'44	
direct	13524 Feb 13 03:07	18° <b>≈</b> 19'01		minimum elong	13525 Jan 15 03:40	4°≈57'20	4°35'12
asc. node	13524 Feb 13 16:28	18° <b>≈</b> 20′13		morning rise	13525 Jan 23 02:46	0° <b>≈</b> 53′26	
morning max el	13524 Feb 20 17:13	22° <b>≈</b> 05'14	18°08'29	direct	13525 Jan 25 05:09	0° <b>≈</b> 39'41	
	13524 Feb 26 19:50	0° <b>∀</b>		asc. node	13525 Jan 30 13:52	2° <b>≈</b> 15'37	
morning set	13524 Mar 07 08:06	16° <b>∺</b> 50′07		morning max el	13525 Feb 02 22:48	4° <b>≈</b> 55′26	18°48'47
	13524 Mar 14 10:12	$0^{\circ}$ Y			13525 Feb 18 15:49	0° <b>∀</b>	
				morning set	13525 Feb 19 05:18	1° <b>)</b> €05'49	
superior conj	13524 Mar 17 02:15	4° <b>Ƴ</b> 49'29	0°03'53				
minimum elong	13524 Mar 17 02:33	4° <b>Ƴ</b> 50'49	0°03'51	superior conj	13525 Feb 27 20:33	17° <b>){</b> 49'52	0°36'26
behind sun begin	13524 Mar 16 19:06	4° <b>Υ</b> 17'25	0 03 01	minimum elong	13525 Feb 27 22:48	18° <b>¥</b> 00′25	0°36'24
behind sun end	13524 Mar 17 10:01	5° <b>Υ</b> 24'09		desc. node	13525 Nar 04 10:23	26° <b>)</b> 17'45	0 3024
desc. node		5° <b>Υ</b> 41'20		uese. Houe		20 <b>π</b> 1/43	
	13524 Mar 17 13:52		1 41/00 411	more Paul II i	13525 Mar 06 12:02		1 20407 411
max. Earth dist.	13524 Mar 24 17:16	18° <b>℃</b> 03'03	1.41698 AU	max. Earth dist.	13525 Mar 07 00:30	0°Υ55'05	1.39497 AU
evening rise	13524 Mar 29 17:48	26° <b>Y</b> 19'14		evening rise	13525 Mar 10 22:58	7° <b>Y</b> 43′07	
	13524 Apr 01 01:00	0°B			13525 Mar 25 00:30	0°8	
	13524 Apr 21 11:09	$\Pi$ °0		evening max el	13525 Apr 14 22:39	26° <b>8</b> 56'12	24°11'45
evening max el	13524 May 02 08:37	13° <b>Ⅱ</b> 04'08	22°50'51		13525 Apr 18 08:07	$\Pi$ $^{\circ}0$	
asc. node	13524 May 11 13:03	18° <b>Ⅲ</b> 58'32		retrograde	13525 Apr 26 05:28	3° <b>Ⅲ</b> 33'32	
retrograde	13524 May 12 11:55	19° <b>Ⅲ</b> 02'41		asc. node	13525 Apr 28 10:23	3° <b>Ⅱ</b> 11′50	
evening set	13524 May 17 10:34	16° <b>Ⅲ</b> 58′04		evening set	13525 May 01 15:39	1° <b>Ⅱ</b> 16′11	
inferior conj	13524 May 22 18:22	10° <b>Ⅲ</b> 34′05	2°50'20		13525 May 02 23:22	30°R₩	
,	J				<u> </u>		

min. Earth dist.	13525 May 06 06:41	25° <b>8</b> 55'44	0.68569 AU	minimum elong	13526 Apr 21 06:52	9° <b>8</b> 03'46	1°45'51
inferior conj	13525 May 07 03:06	24° <b>8</b> 46'41	2°23'52	morning rise	13526 Apr 26 21:55	3° <b>8</b> 04'52	
minimum elong	13525 May 07 00:59	24° <b>8</b> 53'49	2°22'34	direct	13526 Apr 30 09:37	1° <b>8</b> 55'01	
morning rise	13525 May 12 10:26	18° <b>8</b> 45'20		morning max el	13526 May 07 07:27	5° <b>8</b> 40'53	19°07'03
direct	13525 May 16 09:43	17° <b>8</b> 15'32		desc. node	13526 May 18 09:05	20° <b>8</b> 01'16	
morning max el	13525 May 24 02:17	21° <b>8</b> 34'43	20°07'21	greatest brilliancy	13526 May 20 07:55	22° <b>8</b> 55'09	-0.7m
	13525 May 31 04:13	$\Pi^{\circ}0$			13526 May 25 00:03	$\Pi^{\circ}0$	
desc. node	13525 May 31 12:16	0° <b>Ⅱ</b> 26'56		morning set	13526 May 30 22:39	9° <b>Ⅱ</b> 08'18	
morning set	13525 Jun 20 18:31	0° <b>©</b> 17'19			13526 Jun 13 08:41	0ංම	
	13525 Jun 20 14:01	$0$ $\circ$ $60$		max. Earth dist.	13526 Jun 13 11:45	0°ഇ12'03	1.45426 AU
max. Earth dist.	13525 Jun 30 19:43	16° <b>©</b> 01'01	1.44283 AU				
				superior conj	13526 Jun 16 07:58	4°9640'22	-2°13'36
superior conj	13525 Jul 06 12:14	25° <b>©</b> 11'29	-2°03'40	minimum elong	13526 Jun 16 08:08	4°9541'01	2°14'39
minimum elong	13525 Jul 06 18:21	25° <b>©</b> 36'29	2°04'17	evening rise	13526 Jul 01 01:41	28° <b>©</b> 21'58	
	13525 Jul 09 10:24	$0$ $\circ$ $\Omega$			13526 Jul 02 01:39	$0$ ° $\Omega$	
evening rise	13525 Jul 19 13:19	17° <b>Ω</b> 07'36		asc. node	13526 Jul 12 06:14	16° <b>Ω</b> 25'35	
asc. node	13525 Jul 25 09:28	27° <b>Ω</b> 07'21		evening max el	13526 Jul 20 11:50	27° <b>Ω</b> 18'11	18°20'56
	13525 Jul 27 02:45	0° <b>m</b> )			13526 Jul 24 01:32	0° <b>m</b> )	
evening max el	13525 Aug 05 21:49	13° m, 44'09	18°04'18	retrograde	13526 Jul 26 21:08	0° m/42'34	
retrograde	13525 Aug 12 07:54	17° Mp 04'39		evening set	13526 Jul 29 21:46	29° <b>Ω</b> 52'03	
evening set	13525 Aug 14 23:54	16° TD 28'44	1044102		13526 Jul 29 15:45	30°R€	2020141
inferior conj	13525 Aug 21 08:06	11° Mp 16'33	1°44'02	inferior conj	13526 Aug 04 18:21 13526 Aug 04 20:42	24°Ω23'16 24°Ω16'24	
minimum elong min. Earth dist.	13525 Aug 21 10:31 13525 Aug 24 04:41	11° Mp 10'12 8° Mp 17'26	1°42'50 0.62456 AU	minimum elong min. Earth dist.	Č	$24^{\circ} \Omega 16^{\circ} 24$ $21^{\circ} \Omega 42^{\circ} 08$	2°28′26 0.64550 AU
desc. node	13525 Aug 24 04.41 13525 Aug 27 10:01	5° Mg 24'12	0.02430 AU	morning rise	13526 Aug 07 01:46 13526 Aug 10 18:16	18° <b>Ω</b> 03'19	0.04330 AU
morning rise	13525 Aug 27 10:01 13525 Aug 27 18:51	5° My 07'49		desc. node	13526 Aug 10 18:10 13526 Aug 14 07:30	15° <b>Ω</b> 58'03	
direct	13525 Aug 27 18.51 13525 Sep 03 11:12	2° Mg 42'30		direct	13526 Aug 17 07:55	$15^{\circ}\Omega_{25'44}$	
morning max el	13525 Sep 03 11:12 13525 Sep 17 13:20	10° m) 43'47	27°55'58	morning max el	13526 Aug 30 23:29	23°Ω24'00	27°25'20
morning max cr	13525 Oct 02 16:37	0∘ <b>⊽</b>	27 33 36	morning max ci	13526 Sep 05 20:39	0° <b>m</b> )	27 23 20
	13525 Oct 19 21:24	0° <b>m</b> .			13526 Sep 26 00:30	0∘ <b>⊽</b>	
asc. node	13525 Oct 21 11:28	3°M₁1'19		morning set	13526 Oct 05 06:24	ა <b>_</b> 17° <b>ჲ</b> 04'14	
morning set	13525 Oct 21 16:20	3°M36'04		asc. node	13526 Oct 08 08:06	23° <b>₽</b> 13'09	
max. Earth dist.	13525 Oct 26 23:36	14°M45'46	1.31856 AU	max. Earth dist.	13526 Oct 09 20:05	26° <b>£</b> 18'15	1.32973 AU
					13526 Oct 11 14:28	0° <b>M</b>	
superior conj	13525 Oct 29 05:44	19° <b>M</b> 40'51	1°08'15				
superior conj minimum elong	13525 Oct 29 05:44 13525 Oct 29 03:28	19°ML40'51 19°ML28'21	1°08'15 1°08'38	superior conj	13526 Oct 13 10:33	3°M54'13	0°46'58
				superior conj minimum elong	13526 Oct 13 10:33 13526 Oct 13 08:30	3°M54'13 3°M43'16	0°46'58 0°47'06
	13525 Oct 29 03:28	19° <b>™</b> 28′21					
minimum elong	13525 Oct 29 03:28 13525 Nov 02 22:13	19° <b>™</b> 28'21 0° <b>⊀</b>		minimum elong	13526 Oct 13 08:30	3°M43'16	
minimum elong	13525 Oct 29 03:28 13525 Nov 02 22:13 13525 Nov 05 00:15	19°M28'21 0°ダ 4°ダ32'10 0°る 7°る11'00	1°08'38	minimum elong	13526 Oct 13 08:30 13526 Oct 20 11:17	3°M43'16 19°M03'16	
minimum elong evening rise	13525 Oct 29 03:28 13525 Nov 02 22:13 13525 Nov 05 00:15 13525 Nov 18 08:45	19°M28'21 0°ダ 4°ダ32'10 0°उ 7°उ11'00 14°उ40'45	1°08'38	minimum elong evening rise	13526 Oct 13 08:30 13526 Oct 20 11:17 13526 Oct 25 18:46	3°M43'16 19°M03'16 0°⊀	0°47'06
minimum elong evening rise desc. node	13525 Oct 29 03:28 13525 Nov 02 22:13 13525 Nov 05 00:15 13525 Nov 18 08:45 13525 Nov 23 06:30 13525 Nov 29 19:08 13525 Dec 13 10:47	19°M28'21 0°メ 4°メ32'10 0°℧ 7°℧11'00 14°℧40'45 21°℧28'54	1°08'38	minimum elong evening rise desc. node	13526 Oct 13 08:30 13526 Oct 20 11:17 13526 Oct 25 18:46 13526 Nov 10 03:45	3°M43'16 19°M03'16 0°⊀ 23°⊀36'43 24°⊀42'09 0°♂	0°47'06
minimum elong evening rise  desc. node evening max el retrograde evening set	13525 Oct 29 03:28 13525 Nov 02 22:13 13525 Nov 05 00:15 13525 Nov 18 08:45 13525 Nov 23 06:30 13525 Nov 29 19:08	19°M28'21 0°ズ 4°ズ32'10 0°℧ 7°℧11'00 14°℧40'45 21°℧28'54 20°℧32'59	1°08'38 24°13'55	minimum elong evening rise  desc. node evening max el  retrograde	13526 Oct 13 08:30 13526 Oct 20 11:17 13526 Oct 25 18:46 13526 Nov 10 03:45 13526 Nov 11 05:36	3°M43'16 19°M03'16 0° ₹ 23° ₹36'43 24° ₹42'09 0° ₹ 1°₹06'45	0°47'06
evening rise  desc. node evening max el retrograde evening set min. Earth dist.	13525 Oct 29 03:28 13525 Nov 02 22:13 13525 Nov 05 00:15 13525 Nov 18 08:45 13525 Nov 23 06:30 13525 Nov 29 19:08 13525 Dec 13 10:47 13525 Dec 18 12:01 13525 Dec 24 06:37	19°M28'21 0°ダ 4°ダ32'10 0°उ 7°उ11'00 14°उ40'45 21°उ28'54 20°उ32'59 17°उ39'15	1°08'38 24°13'55 0.55825 AU	minimum elong evening rise desc. node evening max el	13526 Oct 13 08:30 13526 Oct 20 11:17 13526 Oct 25 18:46 13526 Nov 10 03:45 13526 Nov 11 05:36 13526 Nov 18 19:07 13526 Nov 24 03:49 13526 Nov 27 20:10	3°M43'16 19°M03'16 0°⊀ 23°⊀36'43 24°⊀42'09 0°♂ 1°♂06'45 0°♂37'06	0°47'06
minimum elong evening rise  desc. node evening max el retrograde evening set min. Earth dist. inferior conj	13525 Oct 29 03:28 13525 Nov 02 22:13 13525 Nov 05 00:15 13525 Nov 18 08:45 13525 Nov 23 06:30 13525 Nov 29 19:08 13525 Dec 13 10:47 13525 Dec 18 12:01 13525 Dec 24 06:37 13525 Dec 26 10:59	19°M28'21 0°ダ 4°ダ32'10 0°उ 7°उ11'00 14°उ40'45 21°उ28'54 20°उ32'59 17°उ39'15 16°उ19'06	1°08'38 24°13'55 0.55825 AU -5°39'08	minimum elong evening rise  desc. node evening max el  retrograde evening set	13526 Oct 13 08:30 13526 Oct 20 11:17 13526 Oct 25 18:46 13526 Nov 10 03:45 13526 Nov 11 05:36 13526 Nov 18 19:07 13526 Nov 24 03:49 13526 Nov 27 20:10 13526 Nov 29 18:26	3°M43'16 19°M03'16 0° ₹ 23° ₹36'43 24° ₹42'09 0° ₹ 1° ₹06'45 0° ₹37'06 30° ₹ ₹	0°47'06 22°31'41
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minimum elong evening rise  desc. node evening max el retrograde evening set min. Earth dist. inferior conj minimum elong morning rise direct morning max el asc. node  morning set	13525 Oct 29 03:28 13525 Nov 02 22:13 13525 Nov 05 00:15 13525 Nov 18 08:45 13525 Nov 23 06:30 13525 Nov 29 19:08 13525 Dec 13 10:47 13525 Dec 18 12:01 13525 Dec 24 06:37 13525 Dec 26 10:59 13525 Dec 26 17:07 13526 Jan 04 00:09 13526 Jan 06 11:41 13526 Jan 16 16:31 13526 Jan 17 11:12 13526 Feb 03 09:51 13526 Feb 10 11:35	19°M28'21 0°ズ 4°ズ32'10 0°उ 7°उ11'00 14°उ40'45 21°उ28'54 20°उ32'59 17°उ39'15 16°उ19'06 16°उ09'42 12°उ19'41 12°उ03'38 16°उ57'49 17°उ44'28 0°≈ 15°≈39'22 0°光	1°08'38  24°13'55  0.55825 AU -5°39'08 5°37'18  1°02'07	minimum elong evening rise  desc. node evening max el  retrograde evening set  min. Earth dist. inferior conj minimum elong morning rise direct morning max el  asc. node morning set	13526 Oct 13 08:30 13526 Oct 20 11:17 13526 Oct 25 18:46 13526 Nov 10 03:45 13526 Nov 11 05:36 13526 Nov 18 19:07 13526 Nov 24 03:49 13526 Nov 27 20:10 13526 Nov 29 18:26 13526 Dec 05 13:22 13526 Dec 06 09:34 13526 Dec 06 07:33 13526 Dec 14 20:10 13526 Dec 18 01:54 13526 Dec 29 19:45 13526 Dec 31 16:28 13527 Jan 04 08:25 13527 Jan 18 18:57	3°M43'16 19°M03'16 0° 23° 23° 36'43 24° 24' 0° 37'06 30° 82' 27° 208'48 26° 24'40'17 26° 22° 22° 22° 28'52'40 22° 22° 28'51 28° 30'541 0° 4° 30'25 0° ≈22'51	0°47'06 22°31'41 0.54745 AU -5°55'41 5°54'34
minimum elong evening rise  desc. node evening max el retrograde evening set min. Earth dist. inferior conj minimum elong morning rise direct morning max el asc. node  morning set	13525 Oct 29 03:28 13525 Nov 02 22:13 13525 Nov 05 00:15 13525 Nov 18 08:45 13525 Nov 23 06:30 13525 Nov 29 19:08 13525 Dec 13 10:47 13525 Dec 24 06:37 13525 Dec 26 10:59 13525 Dec 26 17:07 13526 Jan 04 00:09 13526 Jan 16 16:31 13526 Jan 16 16:31 13526 Jan 26 05:14 13526 Feb 03 09:51 13526 Feb 10 11:35 13526 Feb 11 05:38 13526 Feb 11 08:24 13526 Feb 17 06:47	19°M28'21 0° √ 4° √32'10 0° ¬ 67 7° ¬ 7° ¬ 70' 11'00 14° ¬ 70' 70' 70' 70' 70' 70' 70' 70' 70' 70'	1°08'38  24°13'55  0.55825 AU -5°39'08 5°37'18  19°51'37	minimum elong evening rise  desc. node evening max el  retrograde evening set  min. Earth dist. inferior conj minimum elong morning rise direct morning max el  asc. node	13526 Oct 13 08:30 13526 Oct 20 11:17 13526 Oct 25 18:46 13526 Nov 10 03:45 13526 Nov 11 05:36 13526 Nov 18 19:07 13526 Nov 24 03:49 13526 Nov 27 20:10 13526 Nov 29 18:26 13526 Dec 05 13:22 13526 Dec 06 09:34 13526 Dec 06 07:33 13526 Dec 14 20:10 13526 Dec 18 01:54 13526 Dec 29 19:45 13526 Dec 31 16:28 13527 Jan 04 08:25 13527 Jan 18 18:57 13527 Jan 18 14:34	3°M43'16 19°M03'16 0°ズ 23°ズ36'43 24°ズ42'09 0°℧ 1°℧06'45 0°℧37'06 30°Rズ 27°ズ08'48 26°ズ40'17 26°ズ43'09 22°ズ52'40 22°ズ28'51 28°ズ05'41 0°℧ 4°℧30'25 0°※22'51 0°※	0°47'06  22°31'41  0.54745 AU -5°55'41 5°54'34  21°17'17
minimum elong evening rise  desc. node evening max el retrograde evening set min. Earth dist. inferior conj minimum elong morning rise direct morning max el asc. node  morning set	13525 Oct 29 03:28 13525 Nov 02 22:13 13525 Nov 05 00:15 13525 Nov 18 08:45 13525 Nov 23 06:30 13525 Nov 29 19:08 13525 Dec 13 10:47 13525 Dec 24 06:37 13525 Dec 26 10:59 13525 Dec 26 17:07 13526 Jan 04 00:09 13526 Jan 16 16:31 13526 Jan 16 16:31 13526 Jan 26 05:14 13526 Feb 03 09:51 13526 Feb 10 11:35	19° M 28'21 0° ズ 4° ズ 32'10 0° ℧ 7° ℧ 11'00 14° ℧ 40'45 21° ℧ 28'54 20° ℧ 32'59 17° ℧ 39'15 16° ℧ 19'06 16° ℧ 09'42 12° ℧ 19'41 12° ℧ 03'38 16° ℧ 57'49 17° ℧ 44'28 0° 総 15° ※ 39'22 0° 沃 1° 沃 29'54 1° 沃 43'37 13° 沃 09'37	1°08'38  24°13'55  0.55825 AU -5°39'08 5°37'18  19°51'37	minimum elong evening rise  desc. node evening max el  retrograde evening set  min. Earth dist. inferior conj minimum elong morning rise direct morning max el  asc. node morning set	13526 Oct 13 08:30 13526 Oct 20 11:17 13526 Oct 25 18:46 13526 Nov 10 03:45 13526 Nov 11 05:36 13526 Nov 18 19:07 13526 Nov 24 03:49 13526 Nov 27 20:10 13526 Nov 29 18:26 13526 Dec 05 13:22 13526 Dec 06 09:34 13526 Dec 06 07:33 13526 Dec 14 20:10 13526 Dec 18 01:54 13526 Dec 29 19:45 13526 Dec 31 16:28 13527 Jan 04 08:25 13527 Jan 18 18:57 13527 Jan 18 14:34	3°M43'16 19°M03'16 0°ズ 23°ズ36'43 24°ズ42'09 0°℧ 1°℧06'45 0°℧37'06 30°Rズ 27°ズ08'48 26°ズ40'17 26°ズ43'09 22°ズ28'51 28°ズ05'41 0°℧ 4°℧30'25 0°※22'51 0°※	0°47'06  22°31'41  0.54745 AU -5°55'41 5°54'34  21°17'17
minimum elong evening rise  desc. node evening max el retrograde evening set min. Earth dist. inferior conj minimum elong morning rise direct morning max el asc. node  morning set	13525 Oct 29 03:28 13525 Nov 02 22:13 13525 Nov 05 00:15 13525 Nov 18 08:45 13525 Nov 23 06:30 13525 Nov 29 19:08 13525 Dec 13 10:47 13525 Dec 24 06:37 13525 Dec 26 10:59 13525 Dec 26 17:07 13526 Jan 04 00:09 13526 Jan 16 16:31 13526 Jan 16 16:31 13526 Jan 26 05:14 13526 Feb 03 09:51 13526 Feb 10 11:35 13526 Feb 11 08:24 13526 Feb 11 08:24 13526 Feb 17 06:47 13526 Feb 19 06:54	19°M28'21 0°ズ 4°ズ32'10 0°उ 7°उ11'00 14°उ40'45 21°उ28'54 20°उ32'59 17°उ39'15 16°उ19'06 16°उ09'42 12°उ19'41 12°उ03'38 16°उ57'49 17°उ44'28 0°≈ 15°≈39'22 0°Ҡ 1°Ҡ29'54 1°Ҡ43'37 13°Ҡ99'37	1°08'38  24°13'55  0.55825 AU -5°39'08 5°37'18  19°51'37	minimum elong evening rise  desc. node evening max el  retrograde evening set  min. Earth dist. inferior conj minimum elong morning rise direct morning max el  asc. node morning set	13526 Oct 13 08:30 13526 Oct 20 11:17 13526 Oct 25 18:46 13526 Nov 10 03:45 13526 Nov 11 05:36 13526 Nov 18 19:07 13526 Nov 24 03:49 13526 Nov 27 20:10 13526 Nov 29 18:26 13526 Dec 05 13:22 13526 Dec 06 09:34 13526 Dec 06 07:33 13526 Dec 14 20:10 13526 Dec 18 01:54 13526 Dec 29 19:45 13526 Dec 31 16:28 13527 Jan 04 08:25 13527 Jan 18 18:57 13527 Jan 18 14:34	3°M43'16 19°M03'16 0°ズ 23°ズ36'43 24°ズ42'09 0°云 1°云06'45 0°云37'06 30°Rズ 27°ズ08'48 26°ズ40'17 26°ズ43'09 22°ズ28'51 28°ズ05'41 0°云 4°云30'25 0°≈22'51 0°≈ 15°≈38'33 15°≈50'50	0°47'06  22°31'41  0.54745 AU -5°55'41 5°54'34  21°17'17
minimum elong evening rise  desc. node evening max el retrograde evening set min. Earth dist. inferior conj minimum elong morning rise direct morning max el asc. node  morning set	13525 Oct 29 03:28 13525 Nov 02 22:13 13525 Nov 05 00:15 13525 Nov 18 08:45 13525 Nov 23 06:30 13525 Nov 29 19:08 13525 Dec 13 10:47 13525 Dec 24 06:37 13525 Dec 26 10:59 13525 Dec 26 17:07 13526 Jan 04 00:09 13526 Jan 06 11:41 13526 Jan 16 16:31 13526 Jan 17 11:12 13526 Jan 26 05:14 13526 Feb 03 09:51 13526 Feb 10 11:35 13526 Feb 11 05:38 13526 Feb 11 05:38 13526 Feb 17 06:47 13526 Feb 19 06:54 13526 Feb 19 06:54 13526 Feb 19 06:54 13526 Feb 21 00:20	19°M28'21 0°ズ 4°ズ32'10 0°♂ 7°♂11'00 14°♂40'45 21°♂28'54 20°♂32'59 17°♂39'15 16°♂19'06 16°♂09'42 12°♂19'41 12°♂03'38 16°♂57'49 17°♂44'28 0°≈ 15°≈39'22 0°ዢ 1°¥29'54 1°¥43'37 13°¥09'37 16°¥51'31 19°¥58'27	1°08'38  24°13'55  0.55825 AU -5°39'08 5°37'18  19°51'37	minimum elong evening rise  desc. node evening max el  retrograde evening set  min. Earth dist. inferior conj minimum elong morning rise direct morning max el  asc. node morning set	13526 Oct 13 08:30 13526 Oct 20 11:17 13526 Oct 25 18:46 13526 Nov 10 03:45 13526 Nov 11 05:36 13526 Nov 18 19:07 13526 Nov 24 03:49 13526 Nov 27 20:10 13526 Nov 29 18:26 13526 Dec 05 13:22 13526 Dec 06 07:33 13526 Dec 14 20:10 13526 Dec 18 01:54 13526 Dec 29 19:45 13526 Dec 31 16:28 13527 Jan 04 08:25 13527 Jan 18 18:57 13527 Jan 18 14:34 13527 Jan 26 01:30 13527 Jan 26 03:52 13527 Jan 26 03:52 13527 Jan 30 17:08	3°M43'16 19°M03'16 0°ズ 23°ズ36'43 24°ズ42'09 0°云 1°云06'45 0°云37'06 30°Rズ 27°ズ08'48 26°ズ40'17 26°ズ43'09 22°ズ28'51 28°ズ05'41 0°云 4°云30'25 0°≈22'51 0°≈ 15°≈38'33 15°≈50'50 25°≈04'58	0°47'06  22°31'41  0.54745 AU -5°55'41 5°54'34  21°17'17
minimum elong evening rise  desc. node evening max el retrograde evening set min. Earth dist. inferior conj minimum elong morning rise direct morning max el asc. node  morning set	13525 Oct 29 03:28 13525 Nov 02 22:13 13525 Nov 05 00:15 13525 Nov 18 08:45 13525 Nov 23 06:30 13525 Nov 29 19:08 13525 Dec 13 10:47 13525 Dec 24 06:37 13525 Dec 26 10:59 13525 Dec 26 17:07 13526 Jan 04 00:09 13526 Jan 06 11:41 13526 Jan 16 16:31 13526 Jan 17 11:12 13526 Jan 26 05:14 13526 Feb 03 09:51 13526 Feb 10 11:35 13526 Feb 11 05:38 13526 Feb 11 08:24 13526 Feb 17 06:47 13526 Feb 1 00:20 13526 Feb 26 19:42	19°M28'21 0°ズ 4°ズ32'10 0°♂ 7°♂11'00 14°♂40'45 21°♂28'54 20°♂32'59 17°♂39'15 16°♂19'06 16°♂09'42 12°♂19'41 12°♂03'38 16°♂57'49 17°♂44'28 0°≈ 15°≈39'22 0°米 1°¥29'54 1°¥43'37 13°¥09'37 16°¥51'31 19°¥58'27 0°℃	1°08'38  24°13'55  0.55825 AU -5°39'08 5°37'18  19°51'37	minimum elong evening rise  desc. node evening max el  retrograde evening set  min. Earth dist. inferior conj minimum elong morning rise direct morning max el  asc. node morning set  superior conj minimum elong max. Earth dist.	13526 Oct 13 08:30 13526 Oct 20 11:17 13526 Oct 25 18:46 13526 Nov 10 03:45 13526 Nov 11 05:36 13526 Nov 18 19:07 13526 Nov 24 03:49 13526 Nov 27 20:10 13526 Nov 29 18:26 13526 Dec 05 13:22 13526 Dec 06 09:34 13526 Dec 06 07:33 13526 Dec 14 20:10 13526 Dec 18 01:54 13526 Dec 29 19:45 13526 Dec 31 16:28 13527 Jan 04 08:25 13527 Jan 18 18:57 13527 Jan 18 14:34  13527 Jan 26 01:30 13527 Jan 26 01:30 13527 Jan 30 17:08 13527 Feb 02 05:39	3°M43'16 19°M03'16 0°ズ 23°ズ36'43 24°ズ42'09 0°云 1°云06'45 0°云37'06 30°Rズ 27°ズ08'48 26°ズ40'17 26°ズ43'09 22°ズ28'51 28°ズ05'41 0°云 4°云30'25 0°≈22'51 0°≈ 15°≈38'33 15°≈50'50 25°≈04'58 0°沃	0°47'06  22°31'41  0.54745 AU -5°55'41 5°54'34  21°17'17
minimum elong evening rise  desc. node evening max el retrograde evening set min. Earth dist. inferior conj minimum elong morning rise direct morning max el asc. node morning set	13525 Oct 29 03:28 13525 Nov 02 22:13 13525 Nov 05 00:15 13525 Nov 18 08:45 13525 Nov 23 06:30 13525 Nov 29 19:08 13525 Dec 13 10:47 13525 Dec 24 06:37 13525 Dec 26 10:59 13525 Dec 26 17:07 13526 Jan 04 00:09 13526 Jan 06 11:41 13526 Jan 16 16:31 13526 Jan 26 05:14 13526 Feb 03 09:51 13526 Feb 10 11:35 13526 Feb 11 05:38 13526 Feb 11 08:24 13526 Feb 17 06:47 13526 Feb 1 00:20 13526 Feb 21 00:20 13526 Feb 26 19:42 13526 Mar 19 02:04	19°M28'21 0°ズ 4°ズ32'10 0°G 7°G11'00 14°G40'45 21°G28'54 20°G32'59 17°G39'15 16°G19'06 16°G09'42 12°G19'41 12°G03'38 16°G57'49 17°G44'28 0°≈ 15°≈39'22 0°X 1°X29'54 1°X43'37 13°X99'37 16°X51'31 19°X58'27 0°Y 0°8	1°08'38  24°13'55  0.55825 AU -5°39'08 5°37'18  19°51'37  1°02'07 1°02'19 1.37255 AU	minimum elong evening rise  desc. node evening max el  retrograde evening set  min. Earth dist. inferior conj minimum elong morning rise direct morning max el  asc. node morning set  superior conj minimum elong max. Earth dist. evening rise	13526 Oct 13 08:30 13526 Oct 20 11:17 13526 Oct 25 18:46 13526 Nov 10 03:45 13526 Nov 11 05:36 13526 Nov 18 19:07 13526 Nov 24 03:49 13526 Nov 27 20:10 13526 Nov 29 18:26 13526 Dec 05 13:22 13526 Dec 06 09:34 13526 Dec 06 07:33 13526 Dec 14 20:10 13526 Dec 18 01:54 13526 Dec 29 19:45 13526 Dec 31 16:28 13527 Jan 04 08:25 13527 Jan 18 14:34  13527 Jan 26 01:30 13527 Jan 26 03:52 13527 Jan 30 17:08 13527 Feb 02 05:39 13527 Feb 03 18:46	3°M43'16 19°M03'16 0°ズ 23°ズ36'43 24°ズ42'09 0°उ 1°उ06'45 0°उ37'06 30°Rズ 27°ズ08'48 26°ズ40'17 26°ズ43'09 22°ズ28'51 28°ズ05'41 0°उ 4°उ30'25 0°≈22'51 0°≈ 15°≈38'33 15°≈50'50 25°≈04'58 0°兴 2° ∑56'24	0°47'06  22°31'41  0.54745 AU -5°55'41 5°54'34  21°17'17
minimum elong evening rise  desc. node evening max el retrograde evening set min. Earth dist. inferior conj minimum elong morning rise direct morning max el asc. node  morning set  superior conj minimum elong max. Earth dist. desc. node evening rise	13525 Oct 29 03:28 13525 Nov 02 22:13 13525 Nov 05 00:15 13525 Nov 18 08:45 13525 Nov 23 06:30 13525 Nov 29 19:08 13525 Dec 13 10:47 13525 Dec 24 06:37 13525 Dec 26 10:59 13526 Jan 04 00:09 13526 Jan 04 11:41 13526 Jan 16 16:31 13526 Jan 17 11:12 13526 Jan 26 05:14 13526 Feb 03 09:51 13526 Feb 10 11:35 13526 Feb 11 08:24 13526 Feb 1 108:24 13526 Feb 1 106:54 13526 Feb 2 100:20 13526 Feb 2 19:42 13526 Mar 19 02:04 13526 Mar 28 12:10	19°M28'21 0°ズ 4°ズ32'10 0°♂ 7°♂11'00 14°♂40'45 21°♂28'54 20°♂32'59 17°♂39'15 16°♂19'06 16°♂09'42 12°♂19'41 12°♂03'38 16°♂57'49 17°♂44'28 0°≈ 15°≈39'22 0°米 1°¥29'54 1°¥43'37 13°¥09'37 16°¥51'31 19°¥58'27 0°℃ 0°℧	1°08'38  24°13'55  0.55825 AU -5°39'08 5°37'18  19°51'37  1°02'07 1°02'19 1.37255 AU	minimum elong evening rise  desc. node evening max el  retrograde evening set  min. Earth dist. inferior conj minimum elong morning rise direct morning max el  asc. node morning set  superior conj minimum elong max. Earth dist. evening rise	13526 Oct 13 08:30 13526 Oct 20 11:17 13526 Oct 25 18:46 13526 Nov 10 03:45 13526 Nov 11 05:36 13526 Nov 18 19:07 13526 Nov 24 03:49 13526 Nov 27 20:10 13526 Nov 29 18:26 13526 Dec 05 13:22 13526 Dec 06 09:34 13526 Dec 06 07:33 13526 Dec 14 20:10 13526 Dec 18 01:54 13526 Dec 29 19:45 13526 Dec 31 16:28 13527 Jan 04 08:25 13527 Jan 18 18:57 13527 Jan 18 14:34  13527 Jan 26 01:30 13527 Jan 26 03:52 13527 Jan 30 17:08 13527 Feb 02 05:39 13527 Feb 03 18:46 13527 Feb 06 03:29	3°M43'16 19°M03'16 0°ズ 23°ズ36'43 24°ズ42'09 0°उ 1°उ06'45 0°उ37'06 30°Rズ 27°ズ08'48 26°ズ40'17 26°ズ43'09 22°ズ28'51 28°ズ05'41 0°उ 4°उ30'25 0°≈22'51 0°≈ 15°≈38'33 15°≈50'50 25°≈04'58 0°兴 2°Ҡ56'24 7°Ҡ19'03	0°47'06  22°31'41  0.54745 AU -5°55'41 5°54'34  21°17'17
minimum elong evening rise  desc. node evening max el retrograde evening set min. Earth dist. inferior conj minimum elong morning rise direct morning max el asc. node  morning set  superior conj minimum elong max. Earth dist. desc. node evening rise	13525 Oct 29 03:28 13525 Nov 02 22:13 13525 Nov 05 00:15 13525 Nov 18 08:45 13525 Nov 23 06:30 13525 Nov 29 19:08 13525 Dec 13 10:47 13525 Dec 24 06:37 13525 Dec 26 10:59 13526 Jan 04 00:09 13526 Jan 06 11:41 13526 Jan 16 16:31 13526 Jan 17 11:12 13526 Jan 26 05:14 13526 Feb 03 09:51 13526 Feb 10 11:35 13526 Feb 11 08:24 13526 Feb 11 08:24 13526 Feb 21 00:20 13526 Feb 21 10:20 13526 Feb 26 19:42 13526 Mar 19 02:04 13526 Mar 28 12:10 13526 Apr 09 18:37	19°M28'21 0°ズ 4°ズ32'10 0°♂ 7°♂11'00 14°♂40'45 21°♂28'54 20°♂32'59 17°♂39'15 16°♂19'06 16°♂09'42 12°♂19'41 12°♂03'38 16°♂57'49 17°♂44'28 0°≈ 15°≈39'22 0°੯ 1°੯ 1° ¥29'54 1° ¥43'37 13° ¥09'37 16° ¥51'31 19° ¥58'27 0° ♀ 0°♂ 10°♂48'52 17°♂54'20	1°08'38  24°13'55  0.55825 AU -5°39'08 5°37'18  19°51'37  1°02'07 1°02'19 1.37255 AU	minimum elong evening rise  desc. node evening max el  retrograde evening set  min. Earth dist. inferior conj minimum elong morning rise direct morning max el  asc. node morning set  superior conj minimum elong max. Earth dist. evening rise desc. node	13526 Oct 13 08:30 13526 Oct 20 11:17 13526 Oct 25 18:46 13526 Nov 10 03:45 13526 Nov 11 05:36 13526 Nov 18 19:07 13526 Nov 24 03:49 13526 Nov 27 20:10 13526 Nov 29 18:26 13526 Dec 05 13:22 13526 Dec 06 09:34 13526 Dec 06 07:33 13526 Dec 18 01:54 13526 Dec 18 01:54 13526 Dec 29 19:45 13526 Dec 31 16:28 13527 Jan 04 08:25 13527 Jan 18 18:57 13527 Jan 18 14:34  13527 Jan 26 01:30 13527 Jan 26 03:52 13527 Jan 30 17:08 13527 Feb 02 05:39 13527 Feb 03 18:46 13527 Feb 06 03:29 13527 Feb 06 03:29 13527 Feb 19 18:36	3°M43'16 19°M03'16 0°ズ 23°ズ36'43 24°ズ42'09 0°云 1°云06'45 0°云37'06 30°Rズ 27°ズ08'48 26°ズ40'17 26°ズ43'09 22°ズ28'51 28°ズ05'41 0°云 4°云30'25 0°≈22'51 0°≈ 15°≈38'33 15°≈50'50 25°≈04'58 0° 光 2° 光56'24 7° 光19'03 0° Υ	0°47'06  22°31'41  0.54745 AU -5°55'41 5°54'34  21°17'17  1°20'42 1°21'14 1.35197 AU
minimum elong evening rise  desc. node evening max el retrograde evening set min. Earth dist. inferior conj minimum elong morning rise direct morning max el asc. node  superior conj minimum elong max. Earth dist. desc. node evening rise  evening max el retrograde asc. node	13525 Oct 29 03:28 13525 Nov 02 22:13 13525 Nov 05 00:15 13525 Nov 18 08:45 13525 Nov 23 06:30 13525 Nov 29 19:08 13525 Dec 13 10:47 13525 Dec 24 06:37 13525 Dec 26 10:59 13525 Dec 26 17:07 13526 Jan 04 00:09 13526 Jan 04 11:41 13526 Jan 16 16:31 13526 Jan 26 05:14 13526 Jan 26 05:14 13526 Feb 10 11:35 13526 Feb 10 11:35 13526 Feb 11 05:38 13526 Feb 11 08:24 13526 Feb 11 08:24 13526 Feb 21 00:20 13526 Feb 21 00:20 13526 Feb 21 00:20 13526 Feb 21 02:04 13526 Mar 19 02:04 13526 Apr 09 18:37 13526 Apr 15 07:48	19°M28'21 0°ズ 4°ズ32'10 0°♂ 7°♂11'00 14°♂40'45 21°♂28'54 20°♂32'59 17°♂39'15 16°♂19'06 16°♂09'42 12°♂19'41 12°♂03'38 16°♂57'49 17°♂44'28 0°≈ 15°≈39'22 0°੯ 1°ዃ43'37 13°੯,37 13°੯,37 13°੯,37 13°∀,37 13	1°08'38  24°13'55  0.55825 AU -5°39'08 5°37'18  19°51'37  1°02'07 1°02'19 1.37255 AU	minimum elong evening rise  desc. node evening max el  retrograde evening set  min. Earth dist. inferior conj minimum elong morning rise direct morning max el  asc. node morning set  superior conj minimum elong max. Earth dist. evening rise desc. node	13526 Oct 13 08:30 13526 Oct 20 11:17 13526 Oct 25 18:46 13526 Nov 10 03:45 13526 Nov 11 05:36 13526 Nov 18 19:07 13526 Nov 24 03:49 13526 Nov 27 20:10 13526 Nov 29 18:26 13526 Dec 05 13:22 13526 Dec 06 09:34 13526 Dec 06 07:33 13526 Dec 18 01:54 13526 Dec 29 19:45 13526 Dec 31 16:28 13527 Jan 04 08:25 13527 Jan 18 18:57 13527 Jan 18 14:34  13527 Jan 26 01:30 13527 Jan 26 03:52 13527 Jan 30 17:08 13527 Feb 02 05:39 13527 Feb 03 18:46 13527 Feb 06 03:29 13527 Feb 19 18:36 13527 Mar 11 02:00	3°M43'16 19°M03'16 0° ₹ 23° ₹36'43 24° ₹42'09 0° ₹ 1° ₹306'45 0° ₹37'06 30° ₹₹ 27° ₹08'48 26° ₹40'17 26° ₹43'09 22° ₹52'40 22° ₹52'40 22° ₹28'51 28° ₹05'41 0° ₹ 4° ₹30'25 0° ≈22'51 0° ≈ 15° ≈38'33 15° ≈50'50 25° ≈04'58 0° ₹ 2° ₹56'24 7° ₹19'03 0° ₹ 24° ₹37'00 0° ₹ 1° ₹58'26	0°47'06  22°31'41  0.54745 AU -5°55'41 5°54'34  21°17'17  1°20'42 1°21'14 1.35197 AU
evening rise  desc. node evening max el retrograde evening set min. Earth dist. inferior conj minimum elong morning rise direct morning max el asc. node  morning set  superior conj minimum elong max. Earth dist. desc. node evening rise	13525 Oct 29 03:28 13525 Nov 02 22:13 13525 Nov 05 00:15 13525 Nov 18 08:45 13525 Nov 23 06:30 13525 Nov 29 19:08 13525 Dec 13 10:47 13525 Dec 24 06:37 13525 Dec 26 10:59 13525 Dec 26 17:07 13526 Jan 04 00:09 13526 Jan 04 01:41 13526 Jan 16 16:31 13526 Jan 17 11:12 13526 Jan 26 05:14 13526 Feb 03 09:51 13526 Feb 10 11:35 13526 Feb 11 05:38 13526 Feb 11 08:24 13526 Feb 17 06:47 13526 Feb 19 06:54 13526 Feb 21 00:20 13526 Feb 21 00:20 13526 Mar 19 02:04 13526 Mar 19 02:04 13526 Apr 09 18:37 13526 Apr 15 07:48 13526 Apr 15 16:16	19°M28'21 0°ズ 4°ズ32'10 0°♂ 7°♂11'00 14°♂40'45 21°♂32'59 17°♂39'15 16°♂19'06 16°♂09'42 12°♂19'41 12°♂03'38 16°♂57'49 17°♂44'28 0°≈ 15°≈39'22 0°光 1°¥29'54 1°¥43'37 13°¥09'37 16°¥51'31 19°¥58'27 0°℃ 0°♂ 10°♂48'52 17°♂54'20 15°♂44'58 15°♂27'37 10°♂42'51	1°08'38  24°13'55  0.55825 AU -5°39'08 5°37'18  1°02'07 1°02'19 1.37255 AU  25°27'50	minimum elong evening rise  desc. node evening max el  retrograde evening set  min. Earth dist. inferior conj minimum elong morning rise direct morning max el  asc. node morning set  superior conj minimum elong max. Earth dist. evening rise desc. node evening max el	13526 Oct 13 08:30 13526 Oct 20 11:17 13526 Oct 25 18:46 13526 Nov 10 03:45 13526 Nov 11 05:36 13526 Nov 18 19:07 13526 Nov 24 03:49 13526 Nov 27 20:10 13526 Nov 29 18:26 13526 Dec 05 13:22 13526 Dec 06 09:34 13526 Dec 18 01:54 13526 Dec 14 20:10 13526 Dec 14 20:10 13526 Dec 29 19:45 13526 Dec 31 16:28 13527 Jan 04 08:25 13527 Jan 18 18:57 13527 Jan 18 14:34  13527 Jan 26 01:30 13527 Jan 26 03:52 13527 Jan 30 17:08 13527 Jan 30 17:08 13527 Feb 02 05:39 13527 Feb 03 18:46 13527 Feb 03 18:46 13527 Feb 04 03:29 13527 Feb 19 18:36 13527 Mar 11 02:00 13527 Mar 17 20:21	3°M43'16 19°M03'16 0° 23° 23° 36'43 24° 24' 29 0° 37'06 30° 82 27° 28'49'17 26° 24'40'17 26° 28' 28' 29' 30'41 0° 4° 30'25 0° 22' 52'40 22° 22' 52'40 22° 38'33 15° 50'50 25° 60'45'8 0° 15° 15° 15° 15° 15° 15° 15° 15° 15° 15	0°47'06  22°31'41  0.54745 AU -5°55'41 5°54'34  21°17'17  1°20'42 1°21'14 1.35197 AU

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evening set	13527 Mar 30 10:40	29° <b>Y</b> 26'40		retrograde	13528 Mar 06 04:03	15° <b>Y</b> 37'40	
asc. node	13527 Apr 02 05:14	26° <b>Ƴ</b> 46'16		evening set	13528 Mar 12 20:49	13° <b>Y</b> ′06′31	
min. Earth dist.	13527 Apr 03 12:36	25° <b>Y</b> 16′39	0.66568 AU	min. Earth dist.	13528 Mar 16 17:59	9° <b>Ƴ</b> 29'14	0.64966 AU
inferior conj	13527 Apr 05 09:50	23° <b>Y</b> ′00'40	0°59'28	inferior conj	13528 Mar 19 03:18	6° <b>Ƴ</b> 51'41	0°00'30
minimum elong	13527 Apr 05 08:23	23° <b>Y</b> 05'01	0°58'37	minimum elong	13528 Mar 19 03:17	6° <b>Ƴ</b> 51'44	0°00'29
morning rise	13527 Apr 11 07:07	17° <b>Ƴ</b> 19'27		transit middle	13528 Mar 19 03:17	6° <b>Ƴ</b> 51'44	0°00'29
direct	13527 Apr 14 08:18	16° <b>Ƴ</b> 27'23		transit begin	13528 Mar 19 00:15	7° <b>Y</b> 00'07	
morning max el	13527 Apr 20 19:15	19° <b>Ƴ</b> 52'49	18°23'02	transit end	13528 Mar 19 06:20	6° <b>Ƴ</b> 43'21	
Ç	13527 Apr 28 17:49	0°B		asc. node	13528 Mar 19 02:41	6° <b>Y</b> ′53′25	
desc. node	13527 May 05 05:48	9° <b>8</b> 58'49		morning rise	13528 Mar 25 11:32	1° <b>Y</b> 23'43	
morning set	13527 May 10 22:59	19° <b>8</b> 01'42		direct	13528 Mar 28 03:24	0° <b>Υ</b> 46'30	
morning set	13527 May 17 21:33	0° <b>Ⅱ</b>		morning max el	13528 Apr 03 11:30	4° <b>Υ</b> 03'51	17°56'02
	13327 Way 17 21.33	υш		morning max ci	13528 Apr 03 11:30 13528 Apr 20 23:14	0° <b>8</b>	17 30 02
	12527.14 26 15 50	120 <b>T</b> 44122	2002125	. ,	•	_	
superior conj	13527 May 26 15:58	13° <b>Ⅱ</b> 44'22		morning set	13528 Apr 21 03:42	0°818'27	
minimum elong	13527 May 26 08:50	13° <b>Ⅱ</b> 16'33	2°04'09	desc. node	13528 Apr 21 02:26	0° <b>8</b> 13'15	
max. Earth dist.	13527 May 27 07:26	14° <b>∏</b> 44'48	1.45849 AU				
	13527 Jun 06 01:51	$0$ $\circ$		superior conj	13528 May 05 05:47	23° <b>8</b> 10'47	
evening rise	13527 Jun 11 13:28	8° <b>©</b> 35'47		minimum elong	13528 May 04 20:48	22° <b>8</b> 35'09	1°35'22
greatest brilliancy	13527 Jun 21 07:01	23° <b>5</b> 48'22	-0.8m	max. Earth dist.	13528 May 09 03:45	29° <b>8</b> 21'39	1.45517 AU
	13527 Jun 25 09:24	$0^{\circ}\Omega$			13528 May 09 13:32	$\Pi$ $\circ$ 0	
asc. node	13527 Jun 29 03:05	5° <b>Ω</b> 17'11		evening rise	13528 May 21 06:10	18° <b>Ⅲ</b> 07′26	
evening max el	13527 Jul 03 22:55	11° <b>Ω</b> 01'38	18°54'58		13528 May 29 01:06	0°9	
retrograde	13527 Jul 10 16:19	14° <b>Ω</b> 43'19		greatest brilliancy	13528 Jun 04 12:02	9° <b>©</b> 37'27	-0.6m
evening set	13527 Jul 14 01:52	13° <b>Ω</b> 36'38		asc. node	13528 Jun 15 00:02	23° <b>©</b> 33'18	
inferior conj	13527 Jul 19 14:29	7°Ω52'50	2°57'32	evening max el	13528 Jun 16 05:01	24°9549'20	19°45'16
minimum elong	13527 Jul 19 16:04	7° <b>Ω</b> 47'46	2°56'25	retrograde	13528 Jun 23 14:34	29°900'35	15 15 10
min. Earth dist.	13527 Jul 21 07:19	5°Ω43'45	0.66306 AU	evening set	13528 Jun 27 09:32	27° <b>©</b> 37'09	
			0.00300 AU	-			2010/20
morning rise	13527 Jul 25 05:33	1° <b>Ω</b> 28'48		inferior conj	13528 Jul 02 17:26	21°939'49	3°10'38
	13527 Jul 27 06:43	30° <b>₹</b> 5		minimum elong	13528 Jul 02 18:01	21° <b>©</b> 37'51	3°09'37
direct	13527 Jul 31 11:50	28°5548'50		min. Earth dist.	13528 Jul 03 19:51	20°5511'19	0.67638 AU
desc. node	13527 Aug 01 04:56	28°950'42		morning rise	13528 Jul 08 02:07	15° <b>©</b> 16'31	
	13527 Aug 05 02:17	$0$ $^{\circ}\Omega$		direct	13528 Jul 13 22:00	12° <b>©</b> 42'55	
morning max el	13527 Aug 13 10:36	6° <b>Ω</b> 30'39	26°26'04	desc. node	13528 Jul 18 02:16	13° <b>©</b> 47'30	
	13527 Aug 31 14:20	0° <b>m</b> y		morning max el	13528 Jul 25 21:19	19° <b>©</b> 53'32	25°07'17
morning set	13527 Sep 18 08:29	29° <b>m</b> 57'33			13528 Aug 03 12:39	$0^{\circ}\Omega$	
	13527 Sep 18 09:01	0∘ <b>ত</b>			13528 Aug 23 17:29	0° <b>m</b> )	
max. Earth dist.	13527 Sep 22 06:52	7° <b>♀</b> 30'57	1.34611 AU	morning set	13528 Aug 30 18:43	12° Mp 07'02	
asc. node	13527 Sep 25 04:38	13° <b>≏</b> 19'09		max. Earth dist.	13528 Sep 03 08:42	18° <b>m</b> 37'47	1.36679 AU
	1				13528 Sep 09 07:34	0° ق	
superior conj	13527 Sep 27 08:37	17° <b>≏</b> 45'03	0°20'21				
minimum elong	13527 Sep 27 07:31	17° <b>₽</b> 39'23	0°20'21	superior conj	13528 Sep 09 21:01	1° <b>≏</b> 06'17	-0°10'57
minimum crong	13527 Oct 03 04:59	0°M	0 2021	minimum elong	13528 Sep 09 21:43	1° <b>ഫ</b> 09'44	
evening rise	13527 Oct 03 04:39 13527 Oct 04 20:30	3°M27'11		behind sun begin	13528 Sep 09 21:45 13528 Sep 09 16:55	0° <b>2</b> 46'01	0 10 54
evening rise		0° <b>√</b>		_		1° <b>⊆</b> 33'29	
	13527 Oct 19 16:39		20057122	behind sun end	13528 Sep 10 02:32		
evening max el	13527 Oct 23 23:39	4° <b>₹</b> ′59'34	20°57'23	asc. node	13528 Sep 11 01:11	3° <b>Ω</b> 25'55	
desc. node	13527 Oct 28 01:05	8° <b>⋌</b> 19'47		evening rise	13528 Sep 18 01:43	17° <b>≏</b> 38'14	
retrograde	13527 Nov 04 14:28	10° <b>х</b> 46′02			13528 Sep 24 09:22	0° <b>M</b>	
evening set	13527 Nov 07 01:58	10° <b>∡</b> 31'24		evening max el	13528 Oct 05 07:27	16°ML00'19	19°41'49
inferior conj	13527 Nov 16 00:52	6° <b>∡</b> ³37'39	-5°12'37	desc. node	13528 Oct 13 22:30	20°M53'58	
minimum elong	13527 Nov 15 15:39	6° <b>₰</b> 750'44	5°09'46	retrograde	13528 Oct 15 07:00	20° <b>™</b> 59'16	
min. Earth dist.	13527 Nov 16 19:21	6° <b>∡</b> 11′25	0.54540 AU	evening set	13528 Oct 17 04:40	20°M49'12	
morning rise	13527 Nov 24 05:40	2° <b>∡</b> ¹44'53		inferior conj	13528 Oct 25 23:42	16° <b>M</b> ₊46'07	-3°41'03
direct	13527 Nov 28 09:31	2° <b>∡</b> °07'49		minimum elong	13528 Oct 25 14:32	17° <b>M</b> 00'27	3°37'16
morning max el	13527 Dec 11 10:27	8° <b>∡</b> ¹25'46	23°01'01	min. Earth dist.	13528 Oct 28 04:12	15°M24'06	0.55269 AU
asc. node	13527 Dec 22 05:32	22° <b>х</b> 15'49		morning rise	13528 Nov 02 22:40	12°M27'28	
use. noue	13527 Dec 26 17:00	0°ਰ		direct	13528 Nov 07 23:38	11°M31'12	
morning set	13528 Jan 03 06:21	ා පිරාල්03		morning max el	13528 Nov 21 20:17	18°M25'15	24°49'37
morning set	15526 3411 05 00.21	13 00703		morning max cr		0° <b>∡</b> ¹	24 4/3/
	12520 1 10 04 40	0005151	1022120	1	13528 Dec 01 10:33		
superior conj	13528 Jan 10 04:49	0°≈05'51	1°32'28	asc. node	13528 Dec 08 02:32	10° × 46'22	
minimum elong	13528 Jan 10 06:18	0°≈13'47	1°33'18	morning set	13528 Dec 17 18:13	29° <b>₹</b> '52'42	
_	13528 Jan 10 03:44	0° <b>≈</b>			13528 Dec 17 19:34	0°₹	
max. Earth dist.	13528 Jan 13 10:36	6° <b>≈</b> 57'53	1.33483 AU				
evening rise	13528 Jan 18 02:38	16° <b>≈</b> 26′56		superior conj	13528 Dec 24 13:00	14° <b>る</b> 44'22	1°37'47
desc. node	13528 Jan 24 00:08	27° <b>≈</b> 35′18		minimum elong	13528 Dec 24 13:24	14° <b>る</b> 46'31	1°38'48
	13528 Jan 25 08:30	0° <b>∀</b>		max. Earth dist.	13528 Dec 26 11:23	18° <b>る</b> 57'58	1.32217 AU
	13528 Feb 14 06:13	$0^{\circ}$ Y		evening rise	13528 Dec 31 20:44	0° <b>≈</b> 22'16	
evening max el	13528 Feb 21 15:27	8° <b>Y</b> 10'21	27°15'51	-	13528 Dec 31 16:24	0° <b>≈</b>	
C							

desc. node	13529 Jan 09 20:52	17° <b>≈</b> 34'47		evening rise	13529 Dec 15 22:22	14°る35'59	
desc. node	13529 Jan 17 08:49	0° <b>)</b> (		evening rise	13529 Dec 13 22:22 13529 Dec 23 16:49	0°≈	
evening max el	13529 Feb 03 02:58	21° <b>)</b> 16'50	27°33'36	desc. node	13529 Dec 27 17:42	0 <b>∞</b> 7° <b>≈</b> 10'46	
retrograde	13529 Feb 16 22:50	28° <b>)</b> (42'10	27 33 30	dese. Hode	13530 Jan 12 19:14	0° <b>∀</b>	
evening set	13529 Feb 23 20:15	26° <del>X</del> 18'55		evening max el	13530 Jan 16 10:29	3° <b>¥</b> 45'17	27°19'11
min. Earth dist.	13529 Feb 27 14:30	23°\(\)\(\)\(\)\(\)\(\)\(\)	0.63041 AU	retrograde	13530 Jan 30 09:34	11° <b>¥</b> 02'46	2, 1, 11
inferior conj	13529 Mar 02 10:30	20°\(\frac{1}{2}2'30		evening set	13530 Feb 06 06:01	8° <b>¥</b> 55'48	
minimum elong	13529 Mar 02 12:48	20° <b>)</b> 16'48		min. Earth dist.	13530 Feb 10 01:01	6° <b>¥</b> 08'31	0.60911 AU
asc. node	13529 Mar 06 00:09	17° <b>)</b> €07'30		inferior conj	13530 Feb 13 04:09	3° <b>¥</b> 25′08	-2°29'29
morning rise	13529 Mar 09 07:56	15° <b>)</b> 10′23		minimum elong	13530 Feb 13 09:29	3° <b>)</b> 13′28	2°26'50
direct	13529 Mar 11 16:00	14° <b>)</b> 44'29		-	13530 Feb 17 12:52	30° <b>R</b> ≈	
morning max el	13529 Mar 18 05:18	18° <b>)</b> €05'08	17°46'22	morning rise	13530 Feb 20 16:04	28° <b>≈</b> 31'32	
	13529 Mar 26 21:49	$0^{\circ}\mathbf{Y}$		asc. node	13530 Feb 20 21:38	28° <b>≈</b> 27'46	
morning set	13529 Apr 03 09:56	12° <b>Y</b> 47'57		direct	13530 Feb 22 18:37	28° <b>≈</b> 13'13	
desc. node	13529 Apr 07 23:00	20° <b>Y</b> 38'55			13530 Feb 27 18:28	0° <b>∀</b>	
	13529 Apr 13 11:34	$9^{\circ}$ 8		morning max el	13530 Mar 01 21:19	1° <b>){</b> 47'34	17°54'49
				morning set	13530 Mar 17 11:38	26° <b>)</b> 11′58	
superior conj	13529 Apr 15 15:20	3° <b>8</b> 34'41	-0°57'24		13530 Mar 19 13:44	$0^{\circ}$ Y	
minimum elong	13529 Apr 15 09:36	3° <b>8</b> 10'59		desc. node	13530 Mar 25 19:31	11° <b>Y</b> 11'50	
max. Earth dist.	13529 Apr 21 21:40	13° <b>8</b> 44'19	1.44476 AU				
evening rise	13529 Apr 30 17:31	27° <b>8</b> 33'29		superior conj	13530 Mar 28 01:05	15° <b>Y</b> 05'58	
	13529 May 02 07:45	$\Pi$ °0		minimum elong	13530 Mar 27 23:31	14° <b>Y</b> ′59'11	
	13529 May 22 23:02	$0$ $\circ$ $\odot$		max. Earth dist.	13530 Apr 04 11:38	27° <b>Y</b> ′39'41	1.42844 AU
evening max el	13529 May 30 05:15	8° <b>©</b> 37'55	20°49'45		13530 Apr 05 21:57	0°8	
asc. node	13529 Jun 01 21:06	11° <b>©</b> 01'38		evening rise	13530 Apr 10 15:08	7° <b>8</b> 33'05	
retrograde	13529 Jun 07 13:31	13°528'10			13530 Apr 25 12:24	0°П	
evening set	13529 Jun 11 18:37	11°5548'07	******	evening max el	13530 May 13 00:15	22° <b>Ⅱ</b> 27'48	22°04'49
inferior conj	13529 Jun 17 00:39	5°938'53	3°11'18	asc. node	13530 May 19 18:17	27° <b>Ⅱ</b> 27'39	
minimum elong	13529 Jun 17 00:13	5°940'21	3°10'15	retrograde	13530 May 22 11:25	28° <b>Ⅱ</b> 01'22	
min. Earth dist.	13529 Jun 17 13:20	4°954'58	0.68511 AU	evening set	13530 May 27 03:25	26°Ⅲ05'30	2000150
	13529 Jun 21 12:30	30°RⅡ 200Ⅲ10120		inferior conj	13530 Jun 01 10:00		3°00'58
morning rise direct	13529 Jun 22 05:34	29° <b>Ⅱ</b> 19'28 26° <b>Ⅱ</b> 59'06		minimum elong	13530 Jun 01 08:42	19° <b>Ⅲ</b> 50'50 19° <b>Ⅲ</b> 47'51	2°59'48 0.68910 AU
direct desc. node	13529 Jun 27 13:25 13529 Jul 04 23:32	26° <b>Ш</b> 3906 0° <b>©</b> 21'13		min. Earth dist.	13530 Jun 01 09:33	19°Щ4/31 13°Щ32'53	0.68910 AU
desc. node	13529 Jul 04 23:32 13529 Jul 04 12:49	0°992113		morning rise direct	13530 Jun 06 13:47 13530 Jun 11 08:57	13° <b>Щ</b> 32'33	
morning max el	13529 Jul 04 12.49 13529 Jul 08 07:41		23°38'46	morning max el	13530 Jun 20 20:00	17° <b>Д</b> 03'41	22°09'57
morning max er	13529 Jul 08 07.41 13529 Jul 28 15:51	0°Ω	23 36 40	desc. node	13530 Jun 21 20:41	17 <b>П</b> 03 41 18° <b>П</b> 07'23	22 09 37
morning set	13529 Aug 12 08:28	23° <b>Ω</b> 21'03		desc. flode	13530 Jul 01 11:38	0°95	
morning set	13529 Aug 16 05:12	0° m			13530 Jul 21 17:12	0°N	
max. Earth dist.	13529 Aug 16 06:12	•	1.39001 AU	morning set	13530 Jul 23 21:47	3° <b>Ω</b> 30'17	
man. Barur diot.	100271148 10 00.12	0 .90.21	1.57001110	max. Earth dist.	13530 Jul 29 06:24	12° <b>Ω</b> 18'03	1.41321 AU
superior conj	13529 Aug 23 20:05	13° m 48'55	-0°45'24	man Barm digt.	13530 (41 2) 00.2	12 0010 00	1.11321110
minimum elong	13529 Aug 23 23:21	14° m 04'15		superior conj	13530 Aug 06 01:34	25° <b>Ω</b> 43'47	-1°20'13
asc. node	13529 Aug 28 21:44	23° m 29'28		minimum elong	13530 Aug 06 07:34	26°Ω10'25	
	13529 Sep 01 05:58	0∘ <b>⊽</b>		C	13530 Aug 08 10:54	0° <b>™</b>	
evening rise	13529 Sep 02 00:11	1° <b>≏</b> 28'51		asc. node	13530 Aug 15 18:20	13° <b>m</b> ) 26'18	
evening max el	13529 Sep 18 04:44	27° <b>Ω</b> 49'52	18°48'07	evening rise	13530 Aug 16 12:27	14° <b>m</b> 50'40	
	13529 Sep 20 17:41	$0^{\circ}$ M			13530 Aug 24 22:38	0∘ <b>⊽</b>	
retrograde	13529 Sep 26 15:20	2°M04'23		evening max el	13530 Sep 01 11:50	10° <b>≏</b> 21'15	18°15'36
evening set	13529 Sep 28 12:46	1°M52'23		retrograde	13530 Sep 08 18:51	14° <b>≙</b> 03'18	
desc. node	13529 Sep 30 19:59	1°M07'55		evening set	13530 Sep 10 22:20	13° <b>≏</b> 44'46	
	13529 Oct 03 00:48	30°Ŗ <b>Ω</b>		desc. node	13530 Sep 17 17:32	9° <b>≏</b> 33'16	
inferior conj	13529 Oct 06 16:57	27° <b>≏</b> 31'34	-1°51'47	inferior conj	13530 Sep 18 07:59	9° <b>ჲ</b> 02'51	-0°11'17
minimum elong	13529 Oct 06 12:17	27° <b>≏</b> 40'00		minimum elong	13530 Sep 18 07:35	9° <b>ჲ</b> 03'43	
min. Earth dist.	13529 Oct 09 18:17	25° <b>≙</b> 19'24	0.56801 AU	transit middle	13530 Sep 18 07:35	9° <b>ჲ</b> 03'43	0°11'04
morning rise	13529 Oct 14 08:31	22° <b>≏</b> 36'15		transit begin	13530 Sep 18 05:03	9° <b>亞</b> 09'03	
direct	13529 Oct 20 03:50	21° <b>Ω</b> 14'44		transit end	13530 Sep 18 10:06	8° <b>≏</b> 58'22	
morning max el	13529 Nov 03 09:21	28° <b>Ω</b> 37'28	26°24'44	min. Earth dist.	13530 Sep 21 15:21		0.58873 AU
•	13529 Nov 04 18:28	0°M		morning rise	13530 Sep 25 13:23	3° <b>Ω</b> 32'15	
asc. node	13529 Nov 24 23:28	29°M50'41		direct	13530 Oct 01 22:01	1° <b>Ω</b> 43'13	0.500.011.5
	13529 Nov 25 01:26	0° <b>₹</b>		morning max el	13530 Oct 16 05:37	9° <b>Ω</b> 26'27	27°30'17
morning set	13529 Dec 02 04:50	14° <b>₹</b> 29'19			13530 Nov 01 00:15	0°M	
	12520 D 00 22 55	200 72752	102701	asc. node	13530 Nov 11 20:17	19°M 19'01	
superior conj	13529 Dec 08 23:55	29° 🗷 27'52		morning set	13530 Nov 16 12:24	28°M53'10	
minimum elong	13529 Dec 08 23:14	29°♂24'06 0°る	1°38'02		13530 Nov 17 00:58	0° <b>∡</b> 7	
may Earth dist	13529 Dec 09 05:41		1 21///5 ATT	superior con-	12520 Nov. 22 11.22	14° <b>√</b> 09'28	1030122
max. Earth dist.	13529 Dec 09 17:39	1° <b>る</b> 06'38	1.31445 AU	superior conj	13530 Nov 23 11:32	14 X'09'28	1°30'22

Flanetary Fliend	omena of Mercury	110111 13100	miough 1300	12 (U1), Asiloulei	ISt AU 16-170-2023	14.22,	page 232
minimum elong	13530 Nov 23 09:58	14° <b>₹</b> '00'42	1°31'12	minimum elong	13531 Nov 07 19:55	28°M32'22	1°18'32
max. Earth dist.	13530 Nov 23 02:04	13° <b>∡</b> 16'35	1.31189 AU	g	13531 Nov 08 11:43	0° <b>₹</b>	1 1032
evening rise	13530 Nov 30 05:08	29°×700'51	1.51107110	evening rise	13531 Nov 14 15:02	13° <b>∡</b> ′31'58	
evening rise	13530 Nov 30 16:11	0°ਰ		overmig rise	13531 Nov 22 18:19	0° <b>궁</b>	
desc. node	13530 Dec 14 14:39	26° <b>ප</b> 13'05		desc. node	13531 Dec 01 11:44	14° <b>る</b> 29'00	
acse. noae	13530 Dec 17 00:56	0°≈		evening max el	13531 Dec 11 03:34	26° <b>る</b> 09'58	25°09'41
evening max el	13530 Dec 29 11:18	15° <b>≈</b> 24'04	26°30'04	. ,	13531 Dec 15 21:10	0° <b>≈</b>	
retrograde	13531 Jan 12 10:19	22° <b>≈</b> 30'57		retrograde	13531 Dec 24 23:11	3° <b>≈</b> 05'48	
evening set	13531 Jan 18 22:12	20° <b>≈</b> 48'01		evening set	13531 Dec 30 16:34	1° <b>≈</b> 52'03	
min. Earth dist.	13531 Jan 23 01:03	18° <b>≈</b> 11'13	0.58742 AU	, and the second	13532 Jan 03 07:29	30°R₹	
inferior conj	13531 Jan 26 04:31	15° <b>≈</b> 48'36	-3°53'05	min. Earth dist.	13532 Jan 04 15:35	29° <b>ප</b> 10'13	0.56766 AU
minimum elong	13531 Jan 26 12:41	15° <b>≈</b> 33'08	3°49'38	inferior conj	13532 Jan 07 08:33	27° <b>පි</b> 23'43	
morning rise	13531 Feb 03 06:10	11° <b>≈</b> 16′06		minimum elong	13532 Jan 07 16:58	27° <b>る</b> 09'54	
direct	13531 Feb 05 07:02	11° <b>≈</b> 01'40		morning rise	13532 Jan 15 19:43	23° <b>る</b> 13'22	
asc. node	13531 Feb 07 19:04	11° <b>≈</b> 24'31		direct	13532 Jan 18 01:06	22° <b>る</b> 59'05	
morning max el	13531 Feb 13 07:47	14° <b>≈</b> 59'33	18°22'53	asc. node	13532 Jan 25 16:26	26° <b>る</b> 00'53	
8	13531 Feb 23 15:42	0° <b>∀</b>		morning max el	13532 Jan 27 08:40	27° <b>る</b> 29'54	19°12'39
morning set	13531 Mar 01 03:00	10° <b>¥</b> 12'38		morning man er	13532 Jan 29 16:03	0° <b>≈</b>	1, 123,
morning sec	13331 14141 01 03.00	10 7(1230		morning set	13532 Feb 13 03:42	24° <b>≈</b> 37'03	
superior conj	13531 Mar 10 08:42	27° <b>¥</b> 36'54	0°18'27	morning set	13532 Feb 15 00:42	0° <b>∺</b>	
minimum elong	13531 Mar 10 00:42	27° <b>)</b> 42'56	0°18'24		13332100 13 20.33	0 /	
minimum ciong	13531 Mar 10 16:02	0° <b>Υ</b>	0 1024	superior conj	13532 Feb 21 09:48	10° <b>¥</b> 55'25	0°48'11
desc. node	13531 Mar 12 16:00	0 1 1° <b>Υ</b> 47'41		minimum elong	13532 Feb 21 12:24	10 <b>X</b> 33 23	0°48'14
max. Earth dist.	13531 Mar 17 21:17	10° <b>Υ</b> 57'06	1.40792 AU	desc. node	13532 Feb 27 12:30	22° <b>¥</b> 23'12	0 40 14
evening rise	13531 Mar 17 21:17 13531 Mar 22 07:59	10 <b>γ</b> 37 00 18° <b>γ</b> 24'57	1.40/92 AU	max. Earth dist.	13532 Feb 27 12.30 13532 Feb 28 04:02	23°\(\frac{7}{33'29}\)	1.38541 AU
evening rise	13531 Mar 29 14:12	0° <b>8</b>			13532 Mar 02 21:59	0° <b>Υ</b> 11'12	1.36341 AU
		0°II		evening rise	13532 Mar 02 21.39 13532 Mar 02 19:24	0° <b>Υ</b>	
avanina may al	13531 Apr 19 23:25	6° <b>П</b> 19'13	23°25'25		13532 Mar 21 21:47	0°8	
evening max el	13531 Apr 25 15:37	12° <b>П</b> 34'35	23 23 23	arranina marral		20° <b>8</b> 11'52	24945105
retrograde	13531 May 06 06:45	12 <b>П</b> 34 33 12° <b>П</b> 33'58		evening max el	13532 Apr 07 05:16	20 811 32 27°802'00	24 43 03
asc. node	13531 May 06 15:36			retrograde	13532 Apr 18 22:25		
evening set	13531 May 11 10:18	10° <b>∏</b> 24'22	2040122	asc. node	13532 Apr 22 12:58	26° <b>8</b> 05'11	
inferior conj	13531 May 16 19:29	3° <b>∏</b> 57'51	2°40'22	evening set	13532 Apr 24 13:41	24° <b>8</b> 40'02	0.60202.411
minimum elong	13531 May 16 17:34	4° <b>Ⅱ</b> 04'27	2°39'04	min. Earth dist.	13532 Apr 29 01:27	19° <b>8</b> 35'08	0.68293 AU
min. Earth dist.	13531 May 16 06:19	4° <b>Ⅱ</b> 43'12	0.68832 AU	inferior conj	13532 Apr 30 03:12	18° <b>8</b> 09'38	2°09'33
	13531 May 19 20:49	30°R <b>႘</b>		minimum elong	13532 Apr 30 01:03	18° <b>8</b> 16'49	2°08'14
morning rise	13531 May 22 00:46	27° <b>8</b> 51'52		morning rise	13532 May 05 12:38	12° <b>8</b> 12'16	
direct	13531 May 26 07:15	26° <b>8</b> 09'56		direct	13532 May 09 06:56	10° <b>8</b> 51'09	
	13531 Jun 02 15:23	0°П		morning max el	13532 May 16 14:27	14° <b>8</b> 54'09	19°39'47
morning max el	13531 Jun 03 13:32	0° <b>∏</b> 53'06	20°48'37	desc. node	13532 May 25 14:34	26° <b>8</b> 03'20	
desc. node	13531 Jun 08 17:41	6° <b>Ⅱ</b> 46'13			13532 May 28 08:52	0°П	
	13531 Jun 25 04:47	0°©		greatest brilliancy	13532 May 29 06:55	1° <b>Ⅱ</b> 20'15	-0.6m
morning set	13531 Jul 03 11:26	12° <b>©</b> 38'43		morning set	13532 Jun 11 13:00	21° <b>Ⅱ</b> 19'21	
max. Earth dist.	13531 Jul 11 13:30	25° <b>©</b> 27'40	1.43348 AU		13532 Jun 17 03:45	0∘ <b>ௐ</b>	
	13531 Jul 14 08:22	$0$ $\circ$ $\Omega$		max. Earth dist.	13532 Jun 23 03:05	9° <b>©</b> 21'42	1.44855 AU
		_					
superior conj	13531 Jul 18 09:13	6° <b>Ω</b> 41'52		superior conj	13532 Jun 27 16:58	16° <b>©</b> 39'20	
minimum elong	13531 Jul 18 16:25	7° <b>Ω</b> 12′08	1°50'53	minimum elong	13532 Jun 27 21:08	16°956'06	2°11'00
evening rise	13531 Jul 30 10:09	27° <b>Ω</b> 33′05			13532 Jul 05 21:18	$0$ $\circ$ $\Omega$	
	13531 Jul 31 19:21	0° <b>m</b> )		evening rise	13532 Jul 11 12:02	9° <b>Ω</b> 22'46	
asc. node	13531 Aug 02 15:00	3°m/12'39		asc. node	13532 Jul 19 11:43	22° <b>Ω</b> 42'54	
evening max el	13531 Aug 16 00:30	23° Mp 24'36	18°02'57		13532 Jul 24 04:06	0° <b>m</b>	
retrograde	13531 Aug 22 15:09	26° Mp 48'55		evening max el	13532 Jul 29 14:53	6° Mp 49′25	18°09'07
evening set	13531 Aug 25 02:28	26° Mp 20'07		retrograde	13532 Aug 04 23:32	10° Mp 10'10	
inferior conj	13531 Aug 31 18:58	21° Mp 18'03	1°08'24	evening set	13532 Aug 07 19:09	9° <b>™</b> 28'17	
minimum elong	13531 Aug 31 20:53	21° Mp 13'23	1°07'28	inferior conj	13532 Aug 13 21:55	4° Mp 08'30	2°05'48
min. Earth dist.	13531 Sep 03 21:20	18° <b>m</b> ) 17'31	0.61158 AU	minimum elong	13532 Aug 14 00:25	4° <b>™</b> 01'35	2°04'32
desc. node	13531 Sep 04 15:05	17° <b>m</b> 37'03		min. Earth dist.	13532 Aug 16 13:05	1° <b>M</b> 15'08	0.63379 AU
morning rise	13531 Sep 07 12:32	15° <b>m</b> 20'20			13532 Aug 17 18:24	$30^{\circ}$ R $\Omega$	
direct	13531 Sep 14 03:50	13° Mp 06'40		morning rise	13532 Aug 20 03:50	27° <b>Ω</b> 53'46	
morning max el	13531 Sep 28 09:17	21°Mp03'11	27°57'50	desc. node	13532 Aug 21 12:36	26° <b>Ω</b> 57'33	
	13531 Oct 06 03:47	0∘ <b>⊽</b>		direct	13532 Aug 26 19:30	25° <b>Ω</b> 22'21	
	13531 Oct 25 01:07	$0^{\circ}$ M			13532 Sep 06 00:47	0° <b>m</b>	
asc. node	13531 Oct 29 17:01	9° <b>M</b> 04'38		morning max el	13532 Sep 09 18:05	3° TD 23'49	27°47'00
morning set	13531 Oct 31 15:02	13°ML00'00			13532 Sep 29 15:37	0∘ <b>⊽</b>	
max. Earth dist.	13531 Nov 06 08:56	25°M19'10	1.31463 AU	morning set	13532 Oct 14 10:26	26° <b>₽</b> 43'52	
				asc. node	13532 Oct 15 13:40	29° <b>≏</b> 01'37	
superior conj	13531 Nov 07 22:04	28°M44'15	1°17'58		13532 Oct 16 01:05	$0^{\circ}$ M	

max. Earth dist.	13532 Oct 19 10:17	7° <b>ጤ</b> 04'31	1.32270 AU	asc. node	13533 Oct 02 10:15	19° <b>ჲ</b> 05'36	
superior conj	13532 Oct 22 05:32	13°M06'30	0°59'53	superior conj	13533 Oct 06 07:46	27° <b>≙</b> 10'44	0°36'18
minimum elong	13532 Oct 22 03:32 13532 Oct 22 03:16	12°M54'14	1°00'09	minimum elong	13533 Oct 06 06:01	27° <b>₽</b> 01'33	0°36'20
evening rise	13532 Oct 29 02:09	28°M03'56			13533 Oct 07 15:43	0°M	
<i>y</i>	13532 Oct 29 23:51	0° <b>∡</b> ¹		evening rise	13533 Oct 13 12:38	12°M32'07	
	13532 Nov 16 01:00	8°0		C	13533 Oct 22 08:46	0° <b>∡</b> ¹	
desc. node	13532 Nov 17 08:56	1° <b>る</b> 40'55		evening max el	13533 Nov 03 02:06	16° <b>∡</b> "20′12	21°49'42
evening max el	13532 Nov 21 13:40	6° <b>ප</b> 17'00	23°30'19	desc. node	13533 Nov 04 06:13	17° <b>∡</b> °26′09	
retrograde	13532 Dec 04 23:29	12° <b>る</b> 57'22		retrograde	13533 Nov 15 13:01	22° <b>∡</b> ³30'48	
evening set	13532 Dec 09 11:20	12° <b>る</b> 13'28		evening set	13533 Nov 18 15:20	22° <b>₹</b> 109′16	
min. Earth dist.	13532 Dec 15 23:56	9° <b>る</b> 07'15	0.55267 AU	inferior conj	13533 Nov 27 10:02	18° <b>∡</b> 15′13	-5°44'45
inferior conj	13532 Dec 17 16:16	8° <b>ප</b> 08'10	-5°52'56	minimum elong	13533 Nov 27 04:16	18° <b>∡</b> °23′18	5°43'06
minimum elong	13532 Dec 17 19:24	8° <b>そ</b> 03'33	5°51'41	min. Earth dist.	13533 Nov 27 06:13	18° <b>∡</b> °20'34	0.54536 AU
morning rise	13532 Dec 26 05:13	4° <b>る</b> 15'45		morning rise	13533 Dec 05 18:10	14° <b>∡</b> °27'40	
direct	13532 Dec 28 23:31	3° <b>る</b> 57'11		direct	13533 Dec 09 08:55	13° <b>₹</b> ′59′00	
morning max el	13533 Jan 08 20:20	9° <b>る</b> 08'55	20°25'34	morning max el	13533 Dec 21 17:43	19° <b>∡</b> ′54'31	21°59'56
asc. node	13533 Jan 11 13:40	12° <b>る</b> 04'07		asc. node	13533 Dec 29 10:50	29° <b>∡</b> 17′00	
	13533 Jan 22 19:27	0° <b>≈</b>			13533 Dec 29 22:22	0°ಕ	
morning set	13533 Jan 27 10:27	9° <b>≈</b> 15′29		morning set	13534 Jan 11 20:43	24° <b>る</b> 00'14	
		•			13534 Jan 14 16:29	0° <b>≈</b>	
superior conj	13533 Feb 03 23:54	24°≈49'00	1°10'51		12524 1 10 22 16	00 - 0 (120	102/120
minimum elong	13533 Feb 04 02:35	25°≈02'33	1°11'12	superior conj	13534 Jan 18 23:16	9°≈06'20	1°26'30
max. Earth dist.	13533 Feb 06 14:05	0° <b>\</b> 5° <b>\</b> 37'06	1 2/227 ATT	minimum elong	13534 Jan 19 01:18		1°27'11
	13533 Feb 09 11:24 13533 Feb 13 06:59	12° <b>升</b> 45′25	1.36337 AU	max. Earth dist. evening rise	13534 Jan 23 00:05 13534 Jan 27 07:31	17°≈27'17 25°≈58'01	1.34406 AU
evening rise desc. node	13533 Feb 13 00:39 13533 Feb 13 09:03	12 <b>X</b> 43 23 12° <b>X</b> 54'49		evening rise	13534 Jan 29 10:39	23 <b>≈</b> 3801 0° <b>∺</b>	
desc. node	13533 Feb 13 09:03 13533 Feb 23 07:57	12 <b>γ</b> (3449)		desc. node	13534 Jan 31 05:38	3° <b>∺</b> 17'54	
	13533 Mar 16 22:28	0°8		desc. Hode	13534 Feb 16 18:01	0° <b>Υ</b>	
evening max el	13533 Mar 20 18:40	4° <b>8</b> 03'06	25°56'51	evening max el	13534 Mar 03 08:19	17° <b>Υ</b> 45'43	26°53'22
retrograde	13533 Apr 02 09:30	11° <b>8</b> 17'22	23 30 31	retrograde	13534 Mar 16 15:00	25°Υ11'46	20 33 22
evening set	13533 Apr 08 11:55	8° <b>8</b> 47'32		evening set	13534 Mar 23 03:04	22° <b>Υ</b> 39'28	
asc. node	13533 Apr 09 10:22	7° <b>8</b> 57'24		min. Earth dist.	13534 Mar 27 02:45	18° <b>Y</b> '43'36	0.65920 AU
min. Earth dist.	13533 Apr 12 16:59	4° <b>8</b> 17'58	0.67311 AU	asc. node	13534 Mar 27 07:49	18° <b>Y</b> ′29'12	
inferior conj	13533 Apr 14 07:12	2° <b>8</b> 18'04	1°28'15	inferior conj	13534 Mar 29 05:14	16° <b>Y</b> °17′02	0°35'51
minimum elong	13533 Apr 14 05:19	2° <b>8</b> 24'01	1°27'08	minimum elong	13534 Mar 29 04:18	16° <b>Ƴ</b> 19'46	0°35'19
C	13533 Apr 16 04:29	30° <b>₹</b> Υ		morning rise	13534 Apr 04 06:52	10° <b>Ƴ</b> 41'07	
morning rise	13533 Apr 19 23:25	26° <b>Ƴ</b> 30'32		direct	13534 Apr 07 03:49	9° <b>Y</b> 55'55	
direct	13533 Apr 23 06:26	25° <b>Y</b> ′28'45		morning max el	13534 Apr 13 12:46	13° <b>Y</b> 16'53	18°09'28
morning max el	13533 Apr 29 22:46	29° <b>Y</b> ′04'28	18°46'20		13534 Apr 25 15:30	$0^{\circ}$ 8	
	13533 Apr 30 20:35	0°8		desc. node	13534 Apr 29 07:59	5° <b>8</b> 54'01	
desc. node	13533 May 12 11:20	15° <b>8</b> 48'43		morning set	13534 May 02 12:04	11° <b>8</b> 00'37	
morning set	13533 May 21 23:51	0°Ⅲ32′14			13534 May 14 09:34	$\Pi$ °0	
	13533 May 21 15:34	$\Pi$ °0					
max. Earth dist.	13533 Jun 05 20:52	23° <b>∏</b> 43'52	1.45695 AU	superior conj	13534 May 17 14:18	5° <b>Ⅱ</b> 01'32	
		_		minimum elong	13534 May 17 05:33	4° <b>Ⅱ</b> 27'15	
superior conj	13533 Jun 07 05:56	25° <b>∏</b> 53'10		max. Earth dist.	13534 May 19 16:34		1.45798 AU
minimum elong	13533 Jun 07 02:42	25° <b>Ⅱ</b> 40'31	2°12'49	evening rise	13534 Jun 02 16:22	0°©03'13	
	13533 Jun 09 20:54	0°©		1 - 212	13534 Jun 02 15:32	0°95	0.7
evening rise	13533 Jun 22 13:58	20°5511'19	0.0	greatest brilliancy	13534 Jun 14 13:13	18°9517'54	-0.7m
greatest brilliancy	13533 Jun 28 11:33 13533 Jun 28 16:43	29° <b>©</b> 39'19 0° <b>Ω</b>	-0.9m	asc. node	13534 Jun 22 20:10 13534 Jun 23 05:26	0° <b>Ω</b> 0° <b>Ω</b> 29'02	
asc. node	13533 Jul 28 16.43 13533 Jul 06 08:32	11° <b>Ω</b> 51'06		evening max el	13534 Jun 26 13:04	4°Ω14'05	19°14'29
evening max el	13533 Jul 13 03:54	20°Ω28'06	18°33'15	retrograde	13534 Jul 03 12:30	8°Ω06'55	19 14 29
retrograde	13533 Jul 19 15:47	23° <b>Ω</b> 58'37	16 33 13	evening set	13534 Jul 07 01:56	6° <b>Ω</b> 53'19	
evening set	13533 Jul 22 20:03	23° <b>Ω</b> 01'33		inferior conj	13534 Jul 12 12:13	1° <b>Ω</b> 03'51	3°04'42
inferior conj	13533 Jul 28 12:49	17° <b>Ω</b> 26'10	2°43'27	minimum elong	13534 Jul 12 13:24	0° <b>Ω</b> 59'59	3°03'38
minimum elong	13533 Jul 28 14:54	17° <b>Ω</b> 19'50	2°42'15	minimum crong	13534 Jul 13 07:48	30°Rூ	3 03 30
min. Earth dist.	13533 Jul 30 14:07	14° <b>Ω</b> 57'04	0.65345 AU	min. Earth dist.	13534 Jul 13 07:48	29°9510'55	0.66932 AU
morning rise	13533 Aug 03 08:40	11° <b>Ω</b> 03'25		morning rise	13534 Jul 18 00:15	24°939'34	
desc. node	13533 Aug 08 10:04	8° <b>Ω</b> 30'35		direct	13534 Jul 24 02:31	22° <b>©</b> 01'00	
direct	13533 Aug 09 19:34	8° <b>Ω</b> 23'31		desc. node	13534 Jul 26 07:27	22° <b>©</b> 19'00	
morning max el	13533 Aug 23 05:05	16° <b>Ω</b> 17'27	27°02'59	morning max el	13534 Aug 05 16:00	29° <b>©</b> 31'40	25°54'11
-	13533 Sep 03 13:23	0° m/p		-	13534 Aug 06 03:04	$0^{\circ}\Omega$	
	13533 Sep 22 11:22	0∘ <b>⊽</b>			13534 Aug 28 09:54	0° <b>m</b>	
morning set	13533 Sep 27 19:49	9° <b>≙</b> 58'15		morning set	13534 Sep 10 15:44	22° m/34'32	
max. Earth dist.	13533 Oct 02 02:39	18° <b>≏</b> 27'01	1.33610 AU	max. Earth dist.	13534 Sep 14 08:55	29° <b>m</b> 33'04	1.35444 AU

	13534 Sep 14 14:32	0∘ <b>⊽</b>			13535 Aug 01 20:28	$0^{\circ}\Omega$	
asc. node	13534 Sep 19 06:49	9° <b>≏</b> 12'40			13535 Aug 21 05:04	0° <b>m</b> )	
				morning set	13535 Aug 23 17:48	4° <b>m</b> 21'33	
superior conj	13534 Sep 20 02:10	10° <b>≏</b> 50'25	0°07'36	max. Earth dist.	13535 Aug 27 08:12	10° <b>m</b> 45'02	1.37656 AU
minimum elong	13534 Sep 20 01:43	10° <b>Ω</b> 48'09	0°07'35				
behind sun begin	13534 Sep 19 20:17	10° <b>£</b> 20'38		superior conj	13535 Sep 03 09:26	23° m 56'41	
behind sun end	13534 Sep 20 07:09	11° <b>£</b> 15'43 26° <b>£</b> 51'24		minimum elong asc. node	13535 Sep 03 11:09	24° m) 04'58 29° m) 18'33	0°25'12
evening rise	13534 Sep 27 20:27 13534 Sep 29 09:12	0°M		asc. node	13535 Sep 06 03:22 13535 Sep 06 11:46	0° <b>⊽</b>	
evening max el	13534 Sep 29 09:12 13534 Oct 16 01:53	26°M55'19	20°22'42	evening rise	13535 Sep 00 11.40 13535 Sep 11 23:12	0 <b>=</b> 10° <b>£</b> 54'50	
evening max er	13534 Oct 10 01:33	20 11 <b>3</b> 3 19	20 22 42	evening rise	13535 Sep 11 23:12 13535 Sep 22 07:19	0°M	
desc. node	13534 Oct 22 03:37	1° <b>×</b> 717'50		evening max el	13535 Sep 28 15:50	8°ML17'17	19°16'15
retrograde	13534 Oct 27 00:14	2° <b>×</b> <sup>7</sup> 21'24		retrograde	13535 Oct 07 22:28	12°M55'57	19 10 10
evening set	13534 Oct 29 03:51	2° <b>×</b> <sup>7</sup> 09'44		desc. node	13535 Oct 09 01:05	12°M52'13	
<i>8</i>	13534 Nov 03 23:36	30°RM		evening set	13535 Oct 09 19:05	12°M45'34	
inferior conj	13534 Nov 07 02:55	28°M13'55	-4°38'04	inferior conj	13535 Oct 18 08:40	8°M35'30	-2°54'56
minimum elong	13534 Nov 06 16:50	28°M28'42	4°34'29	minimum elong	13535 Oct 18 01:12	8°M47'52	2°51'35
min. Earth dist.	13534 Nov 08 13:22	27°M23'29	0.54739 AU	min. Earth dist.	13535 Oct 20 23:50	6°M51'08	0.55842 AU
morning rise	13534 Nov 15 05:13	24°M12'09		morning rise	13535 Oct 26 04:53	4°ML02'15	
direct	13534 Nov 19 18:33	23°M27'24		direct	13535 Oct 31 14:21	2°M55'52	
morning max el	13534 Dec 03 05:10	0° <b>∡</b> °01'58	23°47'36	morning max el	13535 Nov 14 15:24	10°Ml02'10	25°32'49
	13534 Dec 03 04:20	0° <b>∡</b> ¹			13535 Nov 29 16:35	0° <b>∡</b> ¹	
asc. node	13534 Dec 16 07:54	17° <b>∡</b> °23'33		asc. node	13535 Dec 03 04:53	6° <b>∡</b> °09'37	
	13534 Dec 23 03:18	0°ಕ		morning set	13535 Dec 11 20:06	23° <b>×</b> 27'01	
morning set	13534 Dec 27 08:32	8° <b>る</b> 45'59			13535 Dec 14 20:12	0°ප	
superior conj	13535 Jan 03 04:58	23° <b>る</b> 39'23	1°35'29	superior conj	13535 Dec 18 14:33	8° <b>ප්</b> 20'17	1°38'10
minimum elong	13535 Jan 03 05:59	23° <b>る</b> 44'58	1°36'25	minimum elong	13535 Dec 18 14:28	8° <b>る</b> 19'53	1°39'13
max. Earth dist.	13535 Jan 05 20:49	29° <b>る</b> 22'48	1.32886 AU	max. Earth dist.	13535 Dec 20 00:31	11° <b>る</b> 27'50	1.31833 AU
	13535 Jan 06 03:49	0° <b>≈</b>		evening rise	13535 Dec 25 17:48	23° <b>る</b> 44'15	
evening rise	13535 Jan 10 20:10	9° <b>≈</b> 40'31			13535 Dec 28 19:52	0° <b>≈</b>	
desc. node	13535 Jan 18 02:20	23°≈27'59		desc. node	13536 Jan 04 23:08	13°≈18'20	
	13535 Jan 21 20:25	0° <b>)</b> €			13536 Jan 15 13:16	0° <b>∺</b>	
. ,	13535 Feb 12 17:03	0° <b>Υ</b>	27027100	evening max el	13536 Jan 27 07:42	14° <b>)</b> €01'38	27°31'39
evening max el	13535 Feb 13 21:25	1° <b>Y</b> 09'48 8° <b>Y</b> 36'50	27°27'08	retrograde	13536 Feb 10 05:01	21° <b>)</b> 23'09	
retrograde	13535 Feb 27 13:51 13535 Mar 06 08:58	6°Υ08'26		evening set min. Earth dist.	13536 Feb 17 02:57	19° <b>)</b> €06'00 16° <b>)</b> €07'30	0.62156 AU
evening set min. Earth dist.	13535 Mar 06 08:58 13535 Mar 10 04:44	2° <b>Υ</b> 43'38	0.64178 AU		13536 Feb 20 21:03 13536 Feb 23 20:36	18° <del>X</del> 0/30 13° <del>X</del> 20'01	
inferior conj	13535 Mar 10 04.44 13535 Mar 12 18:44	2 1 43 38 0° <b>Υ</b> 00'25		inferior conj minimum elong	13536 Feb 23 20.36 13536 Feb 24 00:08	13° <b>X</b> 2001 13° <b>X</b> 11'43	
minimum elong	13535 Mar 12 19:35	29° <b>¥</b> 58'09		asc. node	13536 Feb 29 02:44	9° <b>\</b> 06'52	1 40 40
minimum ciong	13535 Mar 12 18:53	30°R <b></b> ₩	0 27 30	morning rise	13536 Mar 02 00:05	8° <b>¥</b> 15'16	
asc. node	13535 Mar 14 05:16	28° <b>)</b> 30'59		direct	13536 Mar 04 05:37	7° <b>¥</b> 52'54	
morning rise	13535 Mar 19 08:18	24° <b>)</b> 38'30		morning max el	13536 Mar 10 23:22		17°47'42
direct	13535 Mar 21 20:37	24° <b>∺</b> 06'30		Č	13536 Mar 23 13:23	$0^{\circ}$ Y	
morning max el	13535 Mar 28 05:58	27° <b>¥</b> 24'10	17°49'43	morning set	13536 Mar 26 19:35	5° <b>Ƴ</b> 45'04	
	13535 Mar 30 14:20	$0^{\circ}$ Y		desc. node	13536 Apr 02 01:08	16° <b>Ƴ</b> 42'34	
morning set	13535 Apr 14 04:18	22° <b>Y</b> 50'15					
desc. node	13535 Apr 16 04:35	26° <b>Y</b> 13'31		superior conj	13536 Apr 07 07:01	25° <b>Y</b> '40'52	-0°40'19
	13535 Apr 18 10:38	0°B		minimum elong	13536 Apr 07 03:07	25° <b>Y</b> ′24′29	0°40'05
					13536 Apr 09 21:05	0°8	
superior conj	13535 Apr 27 11:15	14° <b>8</b> 48'47		max. Earth dist.	13536 Apr 14 05:07	7° <b>8</b> 05'14	1.43846 AU
minimum elong	13535 Apr 27 03:16	14° <b>8</b> 16'38		evening rise	13536 Apr 21 18:50	19° <b>8</b> 03'34	
max. Earth dist.	13535 May 02 12:10	22° <b>8</b> 50'48	1.45160 AU		13536 Apr 28 23:05	0°II	
avanina riaa	13535 May 07 01:43	0° <b>П</b> 9° <b>П</b> 27′05		avanina may al	13536 May 20 20:20	0°ഇ 1° <b>ഇ</b> 52'03	21°20'40
evening rise	13535 May 13 04:44	9 <b>H</b> 2703		evening max el asc. node	13536 May 22 14:45	5°930'37	21 20 40
evening max el	13535 May 26 21:06 13535 Jun 09 16:50	18° <b>©</b> 02'48	20°11'11	retrograde	13536 May 26 23:35 13536 May 31 09:54	7°900'14	
asc. node	13535 Jun 10 02:27	18°526'32	20 1111	evening set	13536 May 31 09.34 13536 Jun 04 19:40	5°9513'02	
retrograde	13535 Jun 17 11:12	22°\$29'12		Johning Sec	13536 Jun 09 08:08	30°RⅡ	
evening set	13535 Jun 21 10:27	20°958'35		inferior conj	13536 Jun 10 01:38		3°08'13
inferior conj	13535 Jun 26 17:16	14° <b>©</b> 56'13	3°12'19	minimum elong	13536 Jun 10 00:49	29° <b>Ⅱ</b> 02'09	3°07'07
minimum elong	13535 Jun 26 17:25	14° <b>©</b> 55'42	3°11'17	min. Earth dist.	13536 Jun 10 08:35	28° <b>Ⅲ</b> 35'04	0.68738 AU
min. Earth dist.	13535 Jun 27 13:46	13° <b>5</b> 46'23	0.68074 AU	morning rise	13536 Jun 15 05:46	22° <b>Ⅱ</b> 42'29	
morning rise	13535 Jul 02 00:03	8° <b>5</b> 34'29		direct	13536 Jun 20 08:15	20° <b>Ⅲ</b> 29'31	
direct	13535 Jul 07 15:05	6° <b>©</b> 05'41		desc. node	13536 Jun 29 01:58	25° <b>Ⅱ</b> 07'40	
desc. node	13535 Jul 13 04:46	8° <b>5</b> 00'14		morning max el	13536 Jun 30 13:10	26° <b>Ⅲ</b> 32'43	23°00'40
morning max el	13535 Jul 19 02:14	12° <b>©</b> 57'48	24°30'10		13536 Jul 03 17:45	0ංම	

	12526 1 1 25 00 27	00.0			12527 1 15 22 02	120 <b>T</b> 1757	
	13536 Jul 25 09:37	0° <b>Ω</b>		desc. node	13537 Jun 15 23:02	13° <b>Ⅱ</b> 17'57	
morning set	13536 Aug 03 21:37	15° <b>Ω</b> 09'19			13537 Jun 28 13:54	0°©	
max. Earth dist.	13536 Aug 08 06:49	22° <b>Ω</b> 32′28	1.40010 AU	morning set	13537 Jul 15 00:19	24°951'06	
	13536 Aug 12 13:17	0° <b>™</b>			13537 Jul 18 05:38	$0$ $^{\circ}\Omega$	
				max. Earth dist.	13537 Jul 21 09:39	5° <b>Ω</b> 09'44	1.42229 AU
superior conj	13536 Aug 16 01:39	6° Mp 20′43	-1°00'20				
minimum elong	13536 Aug 16 06:07	6° Mp41′14	1°00'07	superior conj	13537 Jul 28 22:15	17° <b>Ω</b> 51'48	-1°34'00
asc. node	13536 Aug 22 23:58	19° <b>m</b> 20'07		minimum elong	13537 Jul 29 05:06	18° <b>Ω</b> 21'30	1°33'57
evening rise	13536 Aug 25 17:54	24° mp 35'12			13537 Aug 04 18:52	0° <b>m</b> y	
•	13536 Aug 28 14:15	0∘ <b>⊽</b>		evening rise	13537 Aug 09 00:34	7° Mp 41'42	
evening max el	13536 Sep 10 17:46	20° <b>Ω</b> 25'38	18°31'38	asc. node	13537 Aug 09 20:36	9° m) 12'58	
retrograde	13536 Sep 18 15:23	24° <b>Ω</b> 24'59	10 3130	use. Houe	13537 Aug 22 09:05	0∘ <del>⊽</del>	
evening set	13536 Sep 20 14:54	24° <b>Ω</b> 10'43		evening max el	13537 Aug 25 03:41	ა <u>~</u> 11'33	18°07'49
desc. node	13536 Sep 24 22:36	22° <b>£</b> 13'18		•	13537 Aug 25 03:41 13537 Sep 01 02:36	6° <b>-</b> 44'35	10 07 47
	•		1007102	retrograde			
inferior conj	13536 Sep 28 11:14	19° <b>Ω</b> 40'34		evening set	13537 Sep 03 09:10	6° <b>£</b> 22'13	000 511 5
minimum elong	13536 Sep 28 08:35	19° <b>Ω</b> 45'43	1°05'44	inferior conj	13537 Sep 10 11:13	1° <b>≏</b> 31'38	0°25'15
min. Earth dist.	13536 Oct 01 16:34	17° <b>≏</b> 11'30	0.57640 AU	minimum elong	13537 Sep 10 12:02	1° <b>≏</b> 29'47	0°24'51
morning rise	13536 Oct 05 22:47	14° <b>≏</b> 29'24		desc. node	13537 Sep 11 20:08	0° <b>ჲ</b> 16'51	
direct	13536 Oct 12 00:16	12° <b>≏</b> 56'30			13537 Sep 12 03:34	30°R, Mp	
morning max el	13536 Oct 26 07:32	20° <b>≏</b> 28'28	26°56'57	min. Earth dist.	13537 Sep 13 17:33	28° <b>m</b> 35'59	0.59835 AU
	13536 Nov 03 12:54	$0^{\circ}$ M $\cdot$		morning rise	13537 Sep 17 11:37	25° <b>m</b> 47'53	
asc. node	13536 Nov 19 01:47	25°M25'01		direct	13537 Sep 23 23:46	23° <b>m</b> 47'37	
	13536 Nov 21 09:31	0° <b>∡</b> ¹			13537 Oct 06 13:33	0∘ <b>ত</b>	
morning set	13536 Nov 25 05:40	7° <b>∡</b> ¹58'45		morning max el	13537 Oct 08 07:21	1° <b>₽</b> 38'21	27°46'47
S				Č	13537 Oct 28 20:54	0° <b>M</b> .	
superior conj	13536 Dec 02 01:59	23° <b>×</b> 03'18	1°34'53	asc. node	13537 Nov 05 22:35	15°ML01'34	
minimum elong	13536 Dec 02 00:54	22° 🖈 57'15	1°35'51	morning set	13537 Nov 09 22:35	22°M16'26	
max. Earth dist.	13536 Dec 02 08:15	23°×38'17		morning sec	13537 Nov 13 01:44	0° <b>√</b>	
max. Lattii dist.	13536 Dec 05 04:54	0°る	1.512// AO	max. Earth dist.	13537 Nov 15 16:25	5° <b>∡</b> ¹46'07	1.31237 AU
		8° <b>る</b> 02'54		max. Earth dist.	1333/ NOV 13 10.23	3 X 4007	1.31237 AU
evening rise	13536 Dec 08 21:53				12527.31 16 12 25	70 7 42101	1005140
	13536 Dec 20 06:07	0°≈		superior conj	13537 Nov 16 13:25	7° <b>∡</b> ¹43'01	1°25'48
desc. node	13536 Dec 21 20:02	2°≈41'07		minimum elong	13537 Nov 16 11:33	7° <b>⋌</b> ¹32'39	1°26'32
evening max el	13537 Jan 08 12:29	26°≈08'47	27°02'20	evening rise	13537 Nov 23 06:14	22° <b>∡</b> ³31′08	
	13537 Jan 13 05:08	0° <b>∀</b>			13537 Nov 26 19:41	0°ಕ	
retrograde	13537 Jan 22 11:35	3° <b>¥</b> 21′57		desc. node	13537 Dec 08 17:03	21° <b>る</b> 25'48	
evening set	13537 Jan 29 05:42	1° <b>)</b> €24'01			13537 Dec 14 18:24	0° <b>≈</b>	
	13537 Jan 31 09:54	30° <b>R</b> ≈		evening max el	13537 Dec 21 09:34	7° <b>≈</b> 24'29	25°59'07
min. Earth dist.	13537 Feb 02 02:45	28° <b>≈</b> 43′09	0.59982 AU	retrograde	13538 Jan 04 07:59	14° <b>≈</b> 27'44	
inferior conj	13537 Feb 05 07:16	26° <b>≈</b> 06′26	-3°05'03	evening set	13538 Jan 10 13:13	12° <b>≈</b> 56'37	
minimum elong	13537 Feb 05 13:56	25° <b>≈</b> 52'44	3°01'57	min. Earth dist.	13538 Jan 14 22:36	10° <b>≈</b> 19'48	0.57856 AU
morning rise	13537 Feb 13 01:19	21° <b>≈</b> 21'54		inferior conj	13538 Jan 17 23:18	8° <b>≈</b> 10'31	-4°27'03
direct	13537 Feb 15 02:40	21° <b>≈</b> 05'38		minimum elong	13538 Jan 18 08:04	7° <b>≈</b> 54'53	4°23'40
asc. node	13537 Feb 15 00:12	21°≈05'40		morning rise	13538 Jan 26 05:48	3° <b>≈</b> 47'49	
morning max el	13537 Feb 22 13:32	24° <b>≈</b> 48'25	18°04'20	direct	13538 Jan 28 07:27	3° <b>≈</b> 34'05	
	13537 Feb 26 20:22	0° <b>∀</b>		asc. node	13538 Feb 01 21:36	4° <b>≈</b> 46'00	
morning set	13537 Mar 10 03:39	19° <b>¥</b> 25'53		morning max el	13538 Feb 05 20:34	7° <b>≈</b> 45'01	18°41'20
morning set	13537 Mar 15 20:46	0°Υ		morning max ci	13538 Feb 20 02:20	0° <b>\</b>	10 41 20
desc. node	13537 Mar 19 21:37	7° <b>Υ</b> 16'50		morning set	13538 Feb 20 02:20 13538 Feb 21 23:29	3° <b>∺</b> 38′07	
desc. flode	1333/ Wiai 19 21.3/	/ 11030		morning set	13336 FCU 21 23.29	3 <b>X</b> 38 07	
	12527.14 20 02 22	70000147	0001120		12520 M 02 10 15	2001/22100	0021154
superior conj	13537 Mar 20 02:33	7° <b>Υ</b> 38'47		superior conj	13538 Mar 02 18:15	20° <b>)</b> 32′00	0°31'54
minimum elong	13537 Mar 20 02:25	7° <b>Y</b> 38′09	0°01'39	minimum elong	13538 Mar 02 20:17	20° <b>)</b> 41'33	0°31'51
behind sun begin	13537 Mar 19 18:39	7° <b>Y</b> ′03'41		desc. node	13538 Mar 06 18:07	27° <b>¥</b> 53′15	
behind sun end	13537 Mar 20 10:10	8° <b>Y</b> 12'32			13538 Mar 07 22:21	0° <b>Υ</b>	
max. Earth dist.	13537 Mar 27 17:16	20° <b>Y</b> 45′18	1.42001 AU	max. Earth dist.	13538 Mar 10 00:53	3° <b>Ƴ</b> 43′18	1.39837 AU
evening rise	13537 Apr 01 23:53	29° <b>Y</b> 23'12		evening rise	13538 Mar 14 01:53	10° <b>Ƴ</b> 39'01	
	13537 Apr 02 09:04	$9^{\circ}$ 8			13538 Mar 26 06:10	$9^{\circ}$ 8	
	13537 Apr 22 12:34	$\Pi$ $^{\circ}0$		evening max el	13538 Apr 17 22:04	29° <b>8</b> 33'03	23°59'51
evening max el	13537 May 05 07:46	15° <b>Ⅱ</b> 41′26	22°38'49		13538 Apr 18 09:02	$\Pi$ °0	
asc. node	13537 May 13 20:50	21° <b>Ⅱ</b> 24'38		retrograde	13538 Apr 29 01:00	6° <b>Ⅱ</b> 05'04	
retrograde	13537 May 15 06:58	21° <b>∏</b> 33′54		asc. node	13538 Apr 30 18:08	5° <b>Ⅱ</b> 51'53	
evening set	13537 May 20 03:51	19° <b>∐</b> 31′28		evening set	13538 May 04 09:25	3° <b>Ⅱ</b> 49'33	
inferior conj	13537 May 25 11:15	13° <b>Ⅱ</b> 08'34	2°53'30	-	13538 May 07 20:44	30°R <b>႘</b>	
minimum elong	13537 May 25 09:40	13° <b>Ⅱ</b> 14'06	2°52'16	min. Earth dist.	13538 May 09 01:43	28° <b>8</b> 23'38	0.68653 AU
min. Earth dist.	13537 May 25 05:17	13° <b>∏</b> 29′22	0.68926 AU	inferior conj	13538 May 09 20:14	27° <b>8</b> 20'40	2°28'34
morning rise	13537 May 30 15:22	6° <b>П</b> 58'10		minimum elong	13538 May 09 18:10	27° <b>8</b> 27'43	2°27'15
direct				010115	07 10.10	= · • • · · · ·	
	13537 Jun 04 04:58	5°∏04'3/		morning rise	13538 May 15 02:56	21° <b>×</b> 17'57	
morning max el	13537 Jun 04 04:58 13537 Jun 13 03:29	5° <b>П</b> 04'34 10° <b>П</b> 16'04	21°34'12	morning rise direct	13538 May 15 02:56 13538 May 19 04:04	21° <b>8</b> 17'57 19° <b>8</b> 44'59	

morning max el	13538 May 26 23:58	24° <b>8</b> 10'07	20017/32	greatest brilliancy	13539 May 22 23:46	25° <b>8</b> 06'25	-0.7m
morning max cr	13538 Jun 01 02:26	0° <b>Ⅱ</b>	20 1/32	greatest brilliancy	13539 May 26 05:59	0°II	-0.7111
desc. node	13538 Jun 02 19:58	2° <b>Ⅱ</b> 14'17		morning set	13539 Jun 03 09:14	12° <b>Ⅱ</b> 26'42	
dese. Hode	13538 Jun 21 21:03	0°95		morning set	13539 Jun 14 16:38	0°95	
morning set	13538 Jun 24 06:29	3° <b>©</b> 40'35		max. Earth dist.	13539 Jun 16 10:31		1.45300 AU
max. Earth dist.	13538 Jul 03 18:56	18° <b>9</b> 36'48	1.44060 AU	man. Darun dibu	1505) van 10 10.51	2 0 ,	1.10300110
				superior conj	13539 Jun 19 18:12	7° <b>9</b> 58'33	-2°13'19
superior conj	13538 Jul 09 19:37	28° <b>5</b> 23'09	-2°00'41	minimum elong	13539 Jun 19 19:32	8° <b>5</b> 03'47	2°14'22
minimum elong	13538 Jul 10 02:11	28° <b>©</b> 50'11	2°01'13	· ·	13539 Jul 03 09:28	$0^{\circ}\Omega$	
	13538 Jul 10 19:07	$0^{\circ}\Omega$		evening rise	13539 Jul 04 06:21	1° <b>Ω</b> 25'55	
evening rise	13538 Jul 22 14:23	20° <b>Ω</b> 02′22		asc. node	13539 Jul 14 14:01	18° <b>Ω</b> 14'15	
asc. node	13538 Jul 27 17:16	28° <b>Ω</b> 52'45			13539 Jul 23 08:59	0° <b>™</b>	
	13538 Jul 28 09:04	0° <b>m</b>		evening max el	13539 Jul 23 07:43	29° <b>Ω</b> 56'55	18°17'20
evening max el	13538 Aug 08 17:30	16°M/25'01	18°03'24	retrograde	13539 Jul 29 16:30	3°M) 19'52	
retrograde	13538 Aug 15 04:25	19° <b>m</b> 45'57		evening set	13539 Aug 01 15:52	2°My31'34	
evening set	13538 Aug 17 19:13	19° <b>m</b> )11'57			13539 Aug 04 21:38	30°R <b>Ω</b>	
inferior conj	13538 Aug 24 05:28	14° <b>m</b> 02'24	1°35'19	inferior conj	13539 Aug 07 13:56	27° <b>Ω</b> 05'01	2°23'56
minimum elong	13538 Aug 24 07:47	13° <b>m</b> 56'24	1°34'10	minimum elong	13539 Aug 07 16:20	26° <b>Ω</b> 58'03	2°22'42
min. Earth dist.	13538 Aug 27 03:43	11°Mp02'16	0.62124 AU	min. Earth dist.	13539 Aug 09 23:22	24° <b>Ω</b> 20'21	0.64255 AU
desc. node	13538 Aug 29 17:39	8° m/42'22		morning rise	13539 Aug 13 15:21	20° <b>Ω</b> 46'16	
morning rise	13538 Aug 30 17:57	7° m 56'18		desc. node	13539 Aug 16 15:07	18° <b>Ω</b> 55'47	
direct	13538 Sep 06 10:19	5° Mp 33'40	27057120	direct	13539 Aug 20 05:41	18°Ω10'03	27021157
morning max el	13538 Sep 20 13:20 13538 Oct 03 18:23	13° <b>™</b> 33'56 0° <b>₽</b>	2/3/38	morning max el	13539 Sep 02 23:10	26° <b>Ω</b> 09'15 0° <b>m</b>	2/313/
	13538 Oct 03 18.23 13538 Oct 21 08:36	0°M			13539 Sep 06 12:43 13539 Sep 27 08:22	0∘ <del>ত</del> اللا	
asc. node	13538 Oct 21 08:30 13538 Oct 23 19:15	4°M52'30		morning set	13539 Sep 27 08.22 13539 Oct 08 02:47	0 <b>=</b> 19° <b>£</b> 46'26	
morning set	13538 Oct 23 13:15	6°M14'08		asc. node	13539 Oct 08 02:47 13539 Oct 10 15:52	24° <b>£</b> 53'06	
max. Earth dist.	13538 Oct 24 11:10	17°M41'17	1.31736 AU	max. Earth dist.	13539 Oct 10 13:32 13539 Oct 12 19:06	29° <b>₽</b> 17'37	1.32777 AU
max. Dartii dist.	15550 000 25 21:10	17 10/11/17	1.51750710	max. Dartii dist.	13539 Oct 12 13:00 13539 Oct 13 03:12	0° <b>™</b>	1.52777110
superior conj	13538 Oct 31 22:54	22°M13'20	1°11'00		15557 000 15 05.12	0 110	
minimum elong	13538 Oct 31 20:38		1°11'26	superior conj	13539 Oct 16 04:27	6°M29'06	0°50'35
8	13538 Nov 04 11:25	0° <b>⊼</b> ⊓		minimum elong	13539 Oct 16 02:19	6° <b>M</b> 17'41	0°50'43
evening rise	13538 Nov 07 16:51	7° <b>∡</b> °03′10		evening rise	13539 Oct 23 03:58	21°M34'40	
	13538 Nov 19 12:04	8°0		-	13539 Oct 27 04:52	0° <b>∡</b> ¹	
desc. node	13538 Nov 25 14:11	9° <b>ට</b> 17'04		desc. node	13539 Nov 12 11:24	25° <b>₹</b> '55'29	
evening max el	13538 Dec 02 22:44	17° <b>る</b> 51'37	24°28'51	evening max el	13539 Nov 14 08:47	27° <b>₹</b> ¹53'00	22°46'40
retrograde	13538 Dec 16 15:42	24° <b>る</b> 41'47			13539 Nov 16 17:51	8°0	
evening set	13538 Dec 21 21:25	23° <b>る</b> 41'25		retrograde	13539 Nov 27 10:18	4° <b>る</b> 21'57	
min. Earth dist.	13538 Dec 27 10:27	20° <b>る</b> 51'21	0.56050 AU	evening set	13539 Dec 01 07:49	3° <b>⋜</b> 48'54	
inferior conj	13538 Dec 29 18:28	19° <b>る</b> 24'10	-5°32'15	min. Earth dist.	13539 Dec 08 17:20	0° <b>る</b> 26'53	0.54859 AU
minimum elong	13538 Dec 30 01:24	19° <b>る</b> 13'22	5°30'09	inferior conj	13539 Dec 09 19:04	29° <b>х</b> 50′19	
morning rise	13539 Jan 07 07:23	15° <b>る</b> 22'00		minimum elong	13539 Dec 09 18:27	29° <b>х</b> 51′13	5°55'48
direct	13539 Jan 09 17:03	15° <b>る</b> 06'33			13539 Dec 09 12:16	30°Ŗ <b>⋌</b> ¹	
morning max el	13539 Jan 19 16:12	19°る54'37	19°40'43	morning rise	13539 Dec 18 06:27	26° 🗷 02'00	
asc. node	13539 Jan 19 18:54	20° <b>ප</b> 01'11		direct	13539 Dec 21 09:08	25° <b>∡</b> ³39'40	
	13539 Jan 27 09:35 13539 Feb 06 03:06	0° <b>≈</b> 18° <b>≈</b> 09'25			13539 Dec 31 14:32	0°る	21002114
morning set	13539 Feb 06 03:06 13539 Feb 11 23:46	18°≈09'23 0° <b>∺</b>		morning max el asc. node	13540 Jan 01 21:32	1°る09'47 6°る35'56	21 03 14
	15559 Feb 11 25.40	υ χ		asc. node	13540 Jan 06 16:07 13540 Jan 20 02:27	0°≈	
superior conj	13539 Feb 14 01:22	4° <b>∺</b> 06'31	0°58'40	morning set	13540 Jan 21 11:39	0 ∞ 2°≈51'26	
minimum elong	13539 Feb 14 04:07	4° <b>∺</b> 20'05	0°58'49	morning set	15540 Juli 21 11.57	2 ~31 20	
max. Earth dist.	13539 Feb 14 04:07 13539 Feb 20 07:09	4 <b>X</b> 2003 16° <b>X</b> 02'54	1.37588 AU	superior conj	13540 Jan 28 19:49	18° <b>≈</b> 11'06	1°18'20
desc. node	13539 Feb 21 14:38	18° <b>)</b> €27'25	1.57000110	minimum elong	13540 Jan 28 22:17	18° <b>≈</b> 23'49	1°18'48
evening rise	13539 Feb 24 00:24	22° <b>)</b> 46'59		max. Earth dist.	13540 Feb 02 16:43	27° <b>≈</b> 59'51	1.35485 AU
	13539 Feb 28 04:31	0° <b>Υ</b>			13540 Feb 03 17:21	0° <b>)</b> €	
	13539 Mar 20 01:38	0°B		evening rise	13540 Feb 06 16:30	5° <b>)</b> 38'34	
evening max el	13539 Mar 31 11:38	13° <b>8</b> 25'53	25°17'05	desc. node	13540 Feb 08 11:13	8° <b>¥</b> 55'46	
retrograde	13539 Apr 12 14:45	20° <b>8</b> 27'27			13540 Feb 21 00:06	0° <b>Υ</b>	
asc. node	13539 Apr 17 15:30	18° <b>8</b> 39'56		evening max el	13540 Mar 13 01:21	27° <b>Y</b> °14'47	26°23'10
evening set	13539 Apr 18 10:46	18° <b>8</b> 01'55			13540 Mar 16 02:40	$9^{\circ}$ 8	
min. Earth dist.	13539 Apr 22 19:39	13° <b>8</b> 11'55	0.67928 AU	retrograde	13540 Mar 25 23:21	4° <b>8</b> 34'31	
inferior conj	13539 Apr 24 02:36	11° <b>8</b> 31'18	1°53'21	evening set	13540 Apr 01 06:12	2° <b>8</b> 03'01	
minimum elong	13539 Apr 24 00:29	11° <b>8</b> 38'12	1°52'06		13540 Apr 03 10:24	30° <b>₹Ƴ</b>	
morning rise	13539 Apr 29 14:34	5° <b>8</b> 37'40		asc. node	13540 Apr 03 12:55	29° <b>Y</b> ′53′18	
direct	13539 May 03 03:59	4° <b>8</b> 24'52		min. Earth dist.	13540 Apr 05 08:55	27° <b>Y</b> ′48′05	0.66774 AU
morning max el	13539 May 10 04:00	8° <b>8</b> 14'38	19°14'59	inferior conj	13540 Apr 07 04:21	25° <b>Y</b> 36′01	1°07'24
desc. node	13539 May 20 16:47	21° <b>8</b> 44'07		minimum elong	13540 Apr 07 02:46	25° <b>Y</b> 40′50	1°06'29

	12510 1 12 00 15	1000050110			1054134 01 00 00	00000000	
morning rise	13540 Apr 13 00:15	19° <b>Y</b> 53′10		transit begin	13541 Mar 21 20:29	9° <b>℃</b> 36'51	
direct	13540 Apr 16 02:56	18° <b>Y</b> 58'39	10020122	transit end	13541 Mar 22 01:11	9° <b>Υ</b> 23'40	
morning max el	13540 Apr 22 14:58	22° <b>Y</b> 26'11	18°28'33	morning rise	13541 Mar 28 05:34	3° <b>Y</b> 59'27	
	13540 Apr 28 19:33	0°8		direct	13541 Mar 30 22:42	3° <b>Y</b> 20′19	15050100
desc. node	13540 May 06 13:31	11° <b>8</b> 38'27		morning max el	13541 Apr 06 06:48	6° <b>Y</b> 38'14	17°59'00
morning set	13540 May 13 05:44	22° <b>8</b> 08'34			13541 Apr 22 07:14	0°8	
	13540 May 18 05:26	$\Pi$ $^{\circ}$ 0		desc. node	13541 Apr 23 10:10	1° <b>8</b> 50'37	
	1251031 20 02 55	150T02115	2006/22	morning set	13541 Apr 24 06:16	3° <b>8</b> 13'10	
superior conj	13540 May 29 02:55	17° <b>Ⅱ</b> 03'15					
minimum elong	13540 May 28 20:40	16° <b>Ⅱ</b> 38'50		superior conj	13541 May 08 14:54	26° <b>8</b> 24'04	
max. Earth dist.	13540 May 29 06:02	17° <b>Ⅱ</b> 15′26	1.45832 AU	minimum elong	13541 May 08 05:47	25° <b>8</b> 48'01	1°40'35
	13540 Jun 06 09:38	0°9			13541 May 10 21:42	0°II	
evening rise	13540 Jun 13 21:42	11° <b>©</b> 48'11		max. Earth dist.	13541 May 12 02:14	1° <b>Ⅱ</b> 51'59	1.45613 AU
greatest brilliancy	13540 Jun 22 19:46	25° <b>©</b> 49'55	-0.8m	evening rise	13541 May 24 16:36	21° <b>Ⅱ</b> 24'08	
	13540 Jun 25 12:48	0°Ω			13541 May 30 07:16	0°€	
asc. node	13540 Jun 30 10:52	7° <b>Ω</b> 10'12		greatest brilliancy	13541 Jun 07 09:23	12° <b>©</b> 09'53	-0.7m
evening max el	13540 Jul 05 19:20	13° <b>Ω</b> 38'52	18°48'49	asc. node	13541 Jun 17 07:49	25° <b>©</b> 32'18	
retrograde	13540 Jul 12 11:04	17° <b>Ω</b> 17'19		evening max el	13541 Jun 19 02:16	27° <b>©</b> 25'56	19°36'46
evening set	13540 Jul 15 19:14	16° <b>Ω</b> 13′08			13541 Jun 22 02:46	$0$ $^{\circ}\Omega$	
inferior conj	13540 Jul 21 08:48	10° <b>Ω</b> 31'21	2°54'18	retrograde	13541 Jun 26 09:02	1° <b>Ω</b> 32'14	
minimum elong	13540 Jul 21 10:32	10° <b>Ω</b> 25'55	2°53'10	evening set	13541 Jun 30 02:31	0° <b>Ω</b> 11′23	
min. Earth dist.	13540 Jul 23 03:47	8° <b>Ω</b> 16'52	0.66067 AU		13541 Jun 30 08:37	30° <b>₹</b> ∽	
morning rise	13540 Jul 27 01:02	4° <b>Ω</b> 07'26		inferior conj	13541 Jul 05 10:56	24°©16'00	3°09'29
direct	13540 Aug 02 08:34	1° <b>Ω</b> 27′20		minimum elong	13541 Jul 05 11:41	24°©13'30	3°08'26
desc. node	13540 Aug 02 12:34	1° <b>Ω</b> 27′26		min. Earth dist.	13541 Jul 06 15:31	22°540'56	0.67471 AU
morning max el	13540 Aug 15 10:24	9° <b>Ω</b> 12'48	26°36'23	morning rise	13541 Jul 10 20:25	17° <b>©</b> 52'12	
	13540 Aug 31 18:18	0° <b>m</b> )		direct	13541 Jul 16 17:58	15° <b>©</b> 17'03	
	13540 Sep 18 19:37	0∘ <b>⊽</b>		desc. node	13541 Jul 20 09:56	16° <b>©</b> 06'50	
morning set	13540 Sep 20 06:53	2° <b>£</b> 45′09		morning max el	13541 Jul 28 21:14	22° <b>©</b> 33'34	25°19'45
max. Earth dist.	13540 Sep 24 07:24	10° <b>≏</b> 32'31	1.34337 AU		13541 Aug 04 10:13	$0^{\circ}\Omega$	
asc. node	13540 Sep 26 12:26	14° <b>≏</b> 58'29			13541 Aug 25 01:29	0° <b>m</b> y	
				morning set	13541 Sep 02 19:45	15° <b>m</b> 01'27	
superior conj	13540 Sep 29 03:40	20° <b>£</b> 23'12	0°24'43	max. Earth dist.	13541 Sep 06 10:07	21° <b>M</b> 37'11	1.36347 AU
minimum elong	13540 Sep 29 02:22	20° <b>≏</b> 16′29	0°24'43		13541 Sep 10 19:18	0° <b>⊡</b>	
	13540 Oct 03 17:24	$0^{\circ}$ M.					
evening rise	13540 Oct 06 13:34	5°M59'33		superior conj	13541 Sep 12 17:43	3° <b>≏</b> 48'50	-0°05'59
	13540 Oct 19 12:39	0° <b>∡</b> ¹		minimum elong	13541 Sep 12 18:05	3° <b>≏</b> 50'41	0°05'57
evening max el	13540 Oct 26 01:03	8° <b>∡</b> ¹05′17	21°10'23	behind sun begin	13541 Sep 12 12:08	3° <b>₽</b> 21′04	
desc. node	13540 Oct 29 08:44	10° <b>₹</b> 755'31		behind sun end	13541 Sep 13 00:03	4° <b>£</b> 20′20	
retrograde	13540 Nov 06 21:28	13° <b>∡</b> ¹58'36		asc. node	13541 Sep 13 09:01	5° <b>ഫ</b> 05'04	
evening set	13540 Nov 09 12:21	13° <b>∡</b> ⁴42'30		evening rise	13541 Sep 20 19:32	20° <b>≙</b> 12'19	
inferior conj	13540 Nov 18 10:33	9° <b>∡¹</b> 48'57	-5°22'51		13541 Sep 25 17:47	0° <b>M</b> ₊	
minimum elong	13540 Nov 18 02:00	10° <b>₹</b> 01'01	5°20'19	evening max el	13541 Oct 08 06:44	18° <b>M</b> 58'39	19°51'46
min. Earth dist.	13540 Nov 18 23:15	9° <b>∡</b> ³31′02	0.54510 AU	desc. node	13541 Oct 16 06:10	23°M50'16	
morning rise	13540 Nov 26 16:11	5° <b>∡</b> ¹58'15		retrograde	13541 Oct 18 12:18	24°M04'42	
direct	13540 Nov 30 16:35	5° <b>∡</b> ¹23'36		evening set	13541 Oct 20 10:57	23°M54'29	
morning max el	13540 Dec 13 13:47	11° <b>∡</b> ³35'49	22°44'55	inferior conj	13541 Oct 29 07:26	19°M53'42	-3°56'52
asc. node	13540 Dec 23 13:14	24° <b>₹</b> 13'05		minimum elong	13541 Oct 28 21:50	20°M08'26	3°53'01
	13540 Dec 27 00:13	0°ಕ		min. Earth dist.	13541 Oct 31 07:42	18° <b>M</b> 39'39	0.55098 AU
morning set	13541 Jan 04 22:51	17° <b>る</b> 37'31		morning rise	13541 Nov 06 07:15	15° <b>M</b> 39'47	
	13541 Jan 10 17:04	0°≈		direct	13541 Nov 11 05:15	14°M46'40	
				morning max el	13541 Nov 24 23:48	21°MJ36'16	24°33'53
superior conj	13541 Jan 11 22:13	2° <b>≈</b> 36'13	1°31'06		13541 Dec 02 06:59	0° <b>∡</b> ¹	
minimum elong	13541 Jan 11 23:51	2° <b>≈</b> 44'56	1°31'54	asc. node	13541 Dec 10 10:17	12° <b>∡</b> ³37'39	
max. Earth dist.	13541 Jan 15 08:55	9° <b>≈</b> 51'40	1.33707 AU		13541 Dec 19 08:09	0°ರ	
evening rise	13541 Jan 19 22:35	19° <b>≈</b> 04'44		morning set	13541 Dec 20 10:46	2° <b>る</b> 21'50	
desc. node	13541 Jan 25 07:53	29° <b>≈</b> 14′01					
	13541 Jan 25 18:04	0° <b>)</b> €		superior conj	13541 Dec 27 05:51	17° <b>る</b> 13'36	1°37'22
	13541 Feb 14 02:54	$0^{\circ}\mathbf{\Upsilon}$		minimum elong	13541 Dec 27 06:25	17° <b>ප</b> 16'40	1°38'23
evening max el	13541 Feb 23 14:51	10° <b>Ƴ</b> 50'47	27°10'47	max. Earth dist.	13541 Dec 29 08:39	21° <b>ට</b> 50'14	1.32371 AU
retrograde	13541 Mar 09 02:05	18° <b>Ƴ</b> 18'19			13542 Jan 02 04:56	0° <b>≈</b>	
evening set	13541 Mar 15 17:46	15° <b>Ƴ</b> 46'31		evening rise	13542 Jan 03 15:22	2°≈57'00	
min. Earth dist.	13541 Mar 19 15:29	12° <b>Ƴ</b> 04'37	0.65223 AU	desc. node	13542 Jan 12 04:37	19° <b>≈</b> 16'31	
asc. node	13541 Mar 21 10:22	10° <b>Ƴ</b> 05'16			13542 Jan 18 13:34	0° <b>)</b>	
inferior conj	13541 Mar 21 23:07	9° <b>Ƴ</b> 29'27	0°10'12	evening max el	13542 Feb 06 02:51	24° <b>)</b> €02'16	27°32'55
minimum elong	13541 Mar 21 22:50	9° <b>Ƴ</b> 30'15	0°10'01		13542 Feb 14 04:11	$0^{\circ}$ Y	
_	13541 Mar 21 22:50	9° <b>Ƴ</b> 30'15	0°10'01	retrograde	13542 Feb 19 22:07	1° <b>Y</b> 28'31	
transit middle	13341 Wai 21 22.30	, , , , , , ,					

	13542 Feb 25 07:09	30° <b>₹</b>			13543 Jan 13 08:50	0° <b>)</b> {	
evening set	13542 Feb 26 19:02	29° <b>)</b> €03'41		evening max el	13543 Jan 19 11:14	6° <b>)</b> 37′20	27°23'33
min. Earth dist.	13542 Mar 02 13:33	25°\ 50'58	0.63343 AU	retrograde	13543 Feb 02 10:01	13° <b>¥</b> 55'50	27 23 33
inferior conj	13542 Mar 05 08:06	23°\(\frac{1}{30}\)3'52		evening set	13543 Feb 09 07:01	13 <b>X</b> 35 30	
minimum elong	13542 Mar 05 10:00	23° <del>X</del> 59'06	0°57'23	min. Earth dist.	13543 Feb 13 01:41	8° <b>H</b> 56'05	0.61240 AU
asc. node	13542 Mar 08 07:52	20°\(\frac{1}{2}\)14'03	0 37 23	inferior conj	13543 Feb 16 04:00	6° <b>₩</b> 11'12	
	13542 Mar 12 03:26	17° <b>)</b> 49'08		minimum elong	13543 Feb 16 04:00 13543 Feb 16 08:52	6° <b>₩</b> 00'23	
morning rise		17 <b>X</b> 4908		asc. node		1° <b>∺</b> 21'11	2 14 30
direct	13542 Mar 14 12:30	20° <b>)</b> (41'28	17°46'39		13543 Feb 23 05:19	1° <b>∺</b> 14'29	
morning max el	13542 Mar 21 00:35	20° <b>π</b> 41′28 0° <b>Υ</b>	1/-40/39	morning rise	13543 Feb 23 13:43		
	13542 Mar 28 02:31			direct	13543 Feb 25 16:56	0° <b>)</b> €55'14	15050115
morning set	13542 Apr 06 09:05	15° <b>Υ</b> 32'51		morning max el	13543 Mar 04 17:02	4° <b>)</b> €26'52	1/3521/
desc. node	13542 Apr 10 06:44	22° <b>Y</b> 14'40		morning set	13543 Mar 20 08:14	28° <b>)</b> (49'37	
	13542 Apr 14 20:50	0°8			13543 Mar 20 23:49	0°Υ	
		cal da acca		desc. node	13543 Mar 28 03:17	12° <b>Y</b> 46'30	
superior conj	13542 Apr 18 21:01	6° <b>8</b> 38'02				. ==000=====	
minimum elong	13542 Apr 18 14:38	6° <b>8</b> 11'52		superior conj	13543 Mar 31 03:07	17° <b>Y</b> 58'49	
max. Earth dist.	13542 Apr 24 20:29	16° <b>8</b> 17'00	1.44674 AU	minimum elong	13543 Mar 31 00:59	17° <b>Y</b> ′49'37	0°23'21
	13542 May 03 15:07	0°П			13543 Apr 07 06:59	0°8	
evening rise	13542 May 04 03:41	0° <b>Ⅱ</b> 48'13		max. Earth dist.	13543 Apr 07 11:12	0° <b>8</b> 17'17	1.43124 AU
	13542 May 23 23:21	$0$ $\circ$		evening rise	13543 Apr 13 22:57	10° <b>8</b> 40'44	
evening max el	13542 Jun 02 03:28	11° <b>©</b> 14'46	20°39'22		13543 Apr 26 17:24	$\Pi$ °0	
asc. node	13542 Jun 04 04:55	13° <b>©</b> 08'53		evening max el	13543 May 15 23:12	25° <b>Ⅱ</b> 04'22	21°53'11
retrograde	13542 Jun 10 08:01	15° <b>©</b> 58'37		asc. node	13543 May 22 02:05	29° <b>Ⅱ</b> 45'16	
evening set	13542 Jun 14 11:33	14° <b>5</b> 21'05			13543 May 22 15:59	$0$ $\circ$ $\infty$	
inferior conj	13542 Jun 19 17:42	8° <b>©</b> 13'37	3°11'56	retrograde	13543 May 25 06:06	0°531'11	
minimum elong	13542 Jun 19 17:25	8° <b>©</b> 14'34	3°10'52		13543 May 27 16:38	30° <b>Ŗ</b> Ⅱ	
min. Earth dist.	13542 Jun 20 08:26	7° <b>©</b> 22'49	0.68415 AU	evening set	13543 May 29 20:30	28° <b>Ⅲ</b> 37'30	
morning rise	13542 Jun 24 23:01	1°553'28		inferior conj	13543 Jun 04 02:51	22° <b>Ⅱ</b> 19'46	3°03'12
	13542 Jun 27 20:51	30°Ŗ <b>Ⅱ</b>		minimum elong	13543 Jun 04 01:40	22° <b>Ⅲ</b> 23'53	3°02'03
direct	13542 Jun 30 08:47	29° <b>Ⅲ</b> 30′39		min. Earth dist.	13543 Jun 04 04:20	22° <b>Ⅱ</b> 14'36	0.68883 AU
	13542 Jul 03 00:33	0ಂ <del>ತ</del> ಾ		morning rise	13543 Jun 09 06:39	16° <b>Ⅱ</b> 05'28	
desc. node	13542 Jul 07 07:11	2° <b>©</b> 27'32		direct	13543 Jun 14 03:45	14° <b>Ⅱ</b> 00'10	
morning max el	13542 Jul 11 07:30	6° <b>©</b> 03'32	23°52'05	morning max el	13543 Jun 23 19:17	19° <b>Ⅱ</b> 40'57	22°22'53
•	13542 Jul 29 20:55	$0^{\circ}\Omega$		desc. node	13543 Jun 24 04:19	20° <b>Ⅲ</b> 03'53	
morning set	13542 Aug 15 12:54	26° <b>Ω</b> 24'38			13543 Jul 02 12:13	0°ಅ	
	13542 Aug 17 14:57	0° m)			13543 Jul 23 00:57	$0^{\circ}\Omega$	
max. Earth dist.	13542 Aug 19 07:47	2° m 58'47	1.38649 AU	morning set	13543 Jul 27 05:59	6° <b>Ω</b> 43'46	
		- 1400 11		max. Earth dist.	13543 Aug 01 07:29	15°Ω05'34	1.40990 AU
superior conj	13542 Aug 26 19:06	16° <b>m</b> 38'14	-0°40'05	man. Barur dige.	100 10 1148 01 07.29	10 00000	1.10770110
minimum elong	13542 Aug 26 21:57	16° <b>m</b> 51'41	0°39'55	superior conj	13543 Aug 09 03:31	28° <b>Ω</b> 41'05	-1°15'05
asc. node	13542 Aug 31 05:37	25° m 09'35	0 37 00	minimum elong	13543 Aug 09 09:09	29° <b>Ω</b> 06'17	
use. Houe	13542 Sep 02 17:00	0ಂ <b>ರ</b>		minimum ciong	13543 Aug 09 21:08	0° m)	1 1133
evening rise	13542 Sep 02 17:00 13542 Sep 04 19:15	ა <b>—</b> 4° <b>Ω</b> 06'41		asc. node	13543 Aug 18 02:13	15° <b>m</b> )07'51	
evening rise	13542 Sep	0°M		evening rise	13543 Aug 19 09:20	17° mp 33'38	
evening max el	13542 Sep 21 02:19	0°M41'37	18°54'45	evening rise	13543 Aug 26 04:16	0° <del>ت</del>	
retrograde	13542 Sep 29 17:47	5°M01'53	10 3443	evening max el	13543 Sep 04 08:13	0 <b>—</b> 13° <b>Ω</b> 07'16	18°19'05
evening set	13542 Sep 29 17:47 13542 Oct 01 14:48	4°M50'26		retrograde	13543 Sep 11 18:35	16° <b>⊆</b> 53'17	18 1903
desc. node	13542 Oct 01 14.48 13542 Oct 03 03:39	4°M25'00		evening set	13543 Sep 11 18.33	16° <b>⊆</b> 35'55	
inferior conj	13542 Oct 09 03:35	0°M32'39	2000112	desc. node	13543 Sep 20 01:09	13° <b>⊆</b> 02'31	
minimum elong	13542 Oct 09 21:33	0°M42'12		inferior conj	13543 Sep 20 01:09 13543 Sep 21 09:23	13 <b>2</b> 02 31 11° <b>2</b> 56'56	0025110
minimum clong	13542 Oct 09 10:10 13542 Oct 10 15:57	0 11C42 12 30°RΩ	2 03 38	3	-	11° <b>⊆</b> 58'52	
min. Earth dist.		30 K== 28° <b>£</b> 27'14	0.56531 AU	minimum elong min. Earth dist.	13543 Sep 21 08:27		0.58547 AU
morning rise	13542 Oct 12 20:50		0.30331 AU		13543 Sep 24 16:35		0.36347 AU
-	13542 Oct 17 14:25	25° <b>Ω</b> 43'10		morning rise direct	13543 Sep 28 16:27	6° <b>£</b> 31'15	
direct	13542 Oct 23 07:27	24° <b>Ω</b> 25'34			13543 Oct 04 23:28	4° <b>Ω</b> 46'23	27022154
	13542 Nov 04 13:57	0°M	26912010	morning max el	13543 Oct 19 07:01	12° <b>Ω</b> 26'34	21°22'54
morning max el	13542 Nov 06 11:56	1°M44'19	26°12'10	1	13543 Nov 02 03:05	0°M	
	13542 Nov 26 10:17	0° ⊀ <sup>7</sup>		asc. node	13543 Nov 14 04:04	21°M02'28	
asc. node	13542 Nov 27 07:14	1° 🗷 37'28			13543 Nov 18 13:41	0° 🔏	
morning set	13542 Dec 04 21:42	16° <b>₹</b> 59'42		morning set	13543 Nov 19 05:49	1° <b>∡</b> ¹25'25	
	13542 Dec 10 19:33	0°₹			1254237 25 25 5	160 3000	1021115
	10510 - 11 11	10-3	100000	superior conj	13543 Nov 26 04:07	16° <b>₹</b> 38'25	
superior conj	13542 Dec 11 16:30	1°る56'39		minimum elong	13543 Nov 26 02:40	16° <b>₹</b> 30'19	
minimum elong	13542 Dec 11 15:58	1°る53'45		max. Earth dist.	13543 Nov 25 22:43	16° <b>₹</b> 08'15	1.31196 AU
max. Earth dist.	13542 Dec 12 14:21	3° <b>ろ</b> 58'05	1.31528 AU	_	13543 Dec 02 05:08	0° <b>ろ</b>	
evening rise	13542 Dec 18 16:03	17° <b>る</b> 08'26		evening rise	13543 Dec 02 22:10	1° <b>る</b> 31'36	
	13542 Dec 25 02:32	0° <b>≈</b>		desc. node	13543 Dec 16 22:24	28° <b>る</b> 04'25	
desc. node	13542 Dec 30 01:28	8° <b>≈</b> 56'35			13543 Dec 18 03:16	0° <b>≈</b>	

evening max el	13544 Jan 01 13:11	18° <b>≈</b> 23'30	26°39'30	desc. node	13544 Dec 02 19:26	16° <b>පි</b> 28'09	
retrograde	13544 Jan 15 12:10	25° <b>≈</b> 31'44		evening max el	13544 Dec 13 06:34	29° <b>ට</b> 16'14	25°23'12
evening set	13544 Jan 22 02:01	23° <b>≈</b> 44'47			13544 Dec 14 01:26	0° <b>≈</b>	
min. Earth dist.	13544 Jan 26 03:03	21° <b>≈</b> 07′26	0.59060 AU	retrograde	13544 Dec 27 03:01	6° <b>≈</b> 14'11	
inferior conj	13544 Jan 29 07:06	18° <b>≈</b> 40'43	-3°40'37	evening set	13545 Jan 01 23:52	4° <b>≈</b> 55'45	
minimum elong	13544 Jan 29 14:56	18° <b>≈</b> 25'34	3°37'12	min. Earth dist.	13545 Jan 06 18:44	2° <b>≈</b> 15'54	0.57032 AU
morning rise	13544 Feb 06 06:53	14° <b>≈</b> 05′00		inferior conj	13545 Jan 09 14:13	0° <b>≈</b> 23'03	-4°58'05
direct	13544 Feb 08 07:46	13° <b>≈</b> 50′10		minimum elong	13545 Jan 09 22:53	0° <b>≈</b> 08'31	4°55'05
asc. node	13544 Feb 10 02:43	14° <b>≈</b> 02'07			13545 Jan 10 04:00	30°₹ <b>⋜</b>	
morning max el	13544 Feb 16 04:33	17° <b>≈</b> 43'45	18°17'25	morning rise	13545 Jan 18 00:26	26° <b>る</b> 09'43	
	13544 Feb 24 22:57	0° <b>∀</b>		direct	13545 Jan 20 04:35	25° <b>る</b> 55'43	
morning set	13544 Mar 02 21:53	12° <b>)</b> 45′46		asc. node	13545 Jan 27 00:04	28° <b>る</b> 23'47	
					13545 Jan 28 22:18	0° <b>≈</b>	
superior conj	13544 Mar 12 07:46	0° <b>Υ</b> 21'44	0°13'22	morning max el	13545 Jan 29 07:07	0° <b>≈</b> 21'02	19°03'53
minimum elong	13544 Mar 12 08:45	0° <b>Υ</b> 26'13	0°13'18	morning set	13545 Feb 14 21:24	27°≈07'13	
behind sun begin	13544 Mar 12 04:38	0° <b>Y</b> 07'32			13545 Feb 16 08:19	0° <b>∀</b>	
behind sun end	13544 Mar 12 12:52	0° <b>Υ</b> 44'53					
	13544 Mar 12 02:59	0° <b>Υ</b>		superior conj	13545 Feb 23 06:33	13° <b>¥</b> 34'08	0°44'08
desc. node	13544 Mar 13 23:47	3° <b>Y</b> 22'16	1 41115 411	minimum elong	13545 Feb 23 09:03	13° <b>)</b> 46′05	0°44'07
max. Earth dist.	13544 Mar 19 21:43	13° <b>Y</b> 41′50	1.41115 AU	desc. node	13545 Feb 28 20:17	23° <b>)</b> 58'10	1 20072 444
evening rise	13544 Mar 24 12:41	21° <b>Y</b> 24'19		max. Earth dist.	13545 Mar 02 04:35	26° <b>)</b> €23'40	1.38872 AU
	13544 Mar 29 21:42	0° <b>B</b>			13545 Mar 04 05:27	0° <b>Υ</b>	
	13544 Apr 19 20:43	0°II	22012117	evening rise	13545 Mar 05 23:34	3° <b>Y</b> ′02'41	
evening max el	13544 Apr 27 14:56	8° <b>Ⅱ</b> 55'31	23°13'17		13545 Mar 23 01:47	0°8	24022122
asc. node	13544 May 07 23:19	15° <b>Ⅱ</b> 04'54		evening max el	13545 Apr 10 04:36	22° <b>8</b> 47'47	24°33'32
retrograde	13544 May 08 01:54	15° <b>Ⅱ</b> 04'58		retrograde	13545 Apr 21 18:13	29° <b>8</b> 33'47	
evening set	13544 May 13 03:45	12° <b>Ⅱ</b> 56'36 7° <b>Ⅱ</b> 10'06	0.60074.411	asc. node	13545 Apr 24 20:37	28° <b>8</b> 51'26	
min. Earth dist.	13544 May 18 01:05		0.68874 AU	evening set	13545 Apr 27 07:44	27° <b>8</b> 13'16	0.69401.411
inferior conj	13544 May 18 12:25	6° <b>Ⅱ</b> 30′57	2°44'08	min. Earth dist.	13545 May 01 20:35	22° <b>8</b> 03'00	0.68401 AU
minimum elong	13544 May 18 10:34	6° <b>Ⅱ</b> 37'17 0° <b>Ⅱ</b> 23'53	2°42'52	inferior conj	13545 May 02 20:30	20° <b>8</b> 43'04	2°14'54 2°13'36
morning rise	13544 May 23 17:20	0 H23 33 30°R <b>8</b>		minimum elong	13545 May 02 18:21	20° <b>8</b> 50'16 14° <b>8</b> 44'18	2 13 30
direct	13544 May 24 05:49 13544 May 28 01:39	28° <b>8</b> 38'56		morning rise direct	13545 May 08 05:09 13545 May 12 01:09	13° <b>8</b> 20'14	
direct	13544 Jun 01 05:43	28 <b>∪</b> 38 30		morning max el	13545 May 19 11:44	17° <b>8</b> 28'39	19°49'06
morning max el	13544 Jun 05 11:56	3° <b>Ⅱ</b> 29'00	21°00'04	desc. node	13545 May 27 22:14	27° <b>8</b> 47'58	19 49 00
desc. node	13544 Jun 10 01:21	3 <b>П</b> 2900 8° <b>П</b> 35'50	21 00 04	desc. node	13545 May 29 12:00	27 <b>0</b> 47 38 0° <b>Ⅱ</b>	
desc. Hode	13544 Jun 25 10:42	0°©		greatest brilliancy	13545 Jun 01 15:19	4° <b>Ⅱ</b> 30'55	-0.6m
morning set	13544 Jul 05 22:46	16° <b>©</b> 00'14		morning set	13545 Jun 15 00:52	24° <b>II</b> 41'29	0.0111
max. Earth dist.	13544 Jul 13 13:40		1.43075 AU	morning set	13545 Jun 18 11:26	0°95	
max. Earth dist.	13544 Jul 14 17:11	0° <b>Ω</b>	1.43073710	max. Earth dist.	13545 Jun 26 02:08	11°955'23	1.44671 AU
	13311341 11 17.11	V 00		max. Bartii dist.	133 13 3411 20 02.00	11 033 23	1.110/1710
superior conj	13544 Jul 20 14:36	9° <b>Ω</b> 47'52	-1°46'34	superior conj	13545 Jul 01 01:45	19° <b>©</b> 53'42	-2°08'11
minimum elong	13544 Jul 20 21:50	10°Ω18'30		minimum elong	13545 Jul 01 06:44	20°513'49	
evening rise	13544 Aug 01 09:30	0° m/22'50			13545 Jul 07 06:02	0°N	
Č	13544 Aug 01 04:23	o°mo		evening rise	13545 Jul 14 14:37	12° <b>Ω</b> 20'55	
asc. node	13544 Aug 03 22:52	4° m/ 56'10		asc. node	13545 Jul 21 19:33	24° <b>Ω</b> 29'06	
evening max el	13544 Aug 17 20:15	26° Mp 06'16	18°03'34		13545 Jul 25 05:58	0° m/p	
retrograde	13544 Aug 24 12:44	29° m 32'29		evening max el	13545 Aug 01 10:34	9° <b>m</b> 28'17	18°07'03
evening set	13544 Aug 26 22:47	29° <b>m</b> 05'29		retrograde	13545 Aug 07 19:34	12° <b>m</b> 48'46	
inferior conj	13544 Sep 02 17:39	24° Mp 06'11	0°57'43	evening set	13545 Aug 10 13:53	12° <b>m</b> 09'03	
minimum elong	13544 Sep 02 19:20	24° Mp 02'09	0°56'55	inferior conj	13545 Aug 16 18:29	6° Mp 51'54	1°58'22
desc. node	13544 Sep 05 22:40	21°Mp02'57		minimum elong	13545 Aug 16 20:59	6° Mp 45′07	1°57'08
min. Earth dist.	13544 Sep 05 21:12	21°M)06'16	0.60816 AU	min. Earth dist.	13545 Aug 19 11:36	3° Mp 56'06	0.63060 AU
morning rise	13544 Sep 09 12:59	18° <b>m</b> ) 11'40		morning rise	13545 Aug 23 02:03	0° <b>m</b> 38'59	
direct	13544 Sep 16 03:36	16° Mp 01'23		desc. node	13545 Aug 23 20:10	0° Mp 06'52	
morning max el	13544 Sep 30 09:50	23° <b>m</b> 56'35	27°56'14		13545 Aug 24 00:21	$30^{\circ}$ R $\Omega$	
	13544 Oct 05 21:13	0∘ <b>亚</b>		direct	13545 Aug 29 18:02	28° <b>Ω</b> 09'30	
	13544 Oct 25 10:38	0° <b>M</b> ₊			13545 Sep 04 23:40	0° <b>m</b>	
asc. node	13544 Oct 31 00:50	10°M45'54		morning max el	13545 Sep 12 18:04	6° Mp 11′22	27°50'51
morning set	13544 Nov 02 09:18	15°M34'59			13545 Sep 30 20:54	0∘ <b>亚</b>	
max. Earth dist.	13544 Nov 08 06:04	28°M12'30	1.31388 AU	morning set	13545 Oct 17 05:57	29° <b>≏</b> 22'58	
	13544 Nov 09 01:30	0° <b>∡</b> ¹		asc. node	13545 Oct 17 21:30	0° <b>M</b> 41'48	
					13545 Oct 17 13:16	0° <b>M</b> ₊	
superior conj	13544 Nov 09 14:54		1°20'13	max. Earth dist.	13545 Oct 22 08:23	10°M00'42	1.32110 AU
minimum elong	13544 Nov 09 12:49	1° <b>∡</b> 02'42	1°20'49				
evening rise	13544 Nov 16 07:42	16° <b>∡</b> *01'47		superior conj	13545 Oct 24 22:57	15°M39'04	1°03'01
	13544 Nov 23 03:21	0°₹		minimum elong	13545 Oct 24 20:41	15°M26'39	1°03'19

evening rise	13545 Oct 31 18:45 13545 Oct 31 12:25 13545 Nov 16 19:52	0°♬34'06 0°♬ 0°♂		evening rise	13546 Oct 09 04:40 13546 Oct 16 05:27 13546 Oct 23 15:45	0° <b>ጤ</b> 15° <b>ጤ</b> 03'18 0° <b>ᡘ</b> ¹	
desc. node	13545 Nov 19 16:36	。3° <b>る</b> 51'27		evening max el	13546 Nov 06 04:48	19° <b>×</b> <sup>7</sup> 29'43	22°04'12
evening max el	13545 Nov 24 17:14	9° <b>ප</b> 27'54	23°45'44	desc. node	13546 Nov 06 13:53	19° <b>∡</b> ′51'39	
retrograde	13545 Dec 08 05:24	16° <b>る</b> 11'28		retrograde	13546 Nov 18 20:00	25° <b>∡</b> ¹45'29	
evening set	13545 Dec 12 22:05	15° <b>る</b> 23'27		evening set	13546 Nov 22 03:03	25° <b>∡</b> "21′25	
min. Earth dist.	13545 Dec 19 04:01		0.55443 AU	inferior conj	13546 Nov 30 20:02	21° <b>х</b> 26′45	-5°49'59
inferior conj	13545 Dec 21 00:50	11° <b>る</b> 15'20	-5°49'07	minimum elong	13546 Nov 30 15:32		5°48'34
minimum elong	13545 Dec 21 05:09		5°47'42	min. Earth dist.	13546 Nov 30 10:27	21° <b>≯</b> ⁴40′12	0.54589 AU
morning rise	13545 Dec 29 14:02	7°る20'42		morning rise	13546 Dec 09 05:03	17° 🗷 39'30	
direct	13546 Jan 01 05:42	7°る03'11	20012114	direct	13546 Dec 12 16:36	17° 🖈 12'36	21044140
morning max el	13546 Jan 11 21:00	12°る08'47 14°る15'20	20°13'14	morning max el	13546 Dec 24 20:22	23° <b>メ</b> 01'51 0°る	21°44'40
asc. node	13546 Jan 13 21:21 13546 Jan 24 04:33	0°≈		asc. node	13546 Dec 30 20:06 13546 Dec 31 18:34	0°る 1°る18'54	
morning set	13546 Jan 30 03:26	0 ∞ 11°≈44'16		morning set	13547 Jan 14 13:20	1 81834 26° <b>8</b> 28'31	
morning set	13340 Juli 30 03.20	11 ~++10		morning set	13547 Jan 16 05:25	20°≈	
superior conj	13546 Feb 06 19:00	27° <b>≈</b> 23'27	1°07'52		155 17 5411 10 05.25	0 / • .	
minimum elong	13546 Feb 06 21:43	27°≈37'08	1°08'08	superior conj	13547 Jan 21 17:12	11° <b>≈</b> 37'48	1°24'33
	13546 Feb 08 02:19	0° <b>)</b> €		minimum elong	13547 Jan 21 19:21	11° <b>≈</b> 49'07	1°25'11
max. Earth dist.	13546 Feb 12 11:21	8° <b>¥</b> 30′20	1.36652 AU	max. Earth dist.	13547 Jan 25 23:07	20° <b>≈</b> 21'41	1.34676 AU
desc. node	13546 Feb 15 16:50	14° <b>)</b> € 30′50		evening rise	13547 Jan 30 04:30	28° <b>≈</b> 38'23	
evening rise	13546 Feb 16 06:01	15° <b>)</b> € 30'45			13547 Jan 30 21:42	0° <b>∀</b>	
	13546 Feb 24 15:51	$0$ ° $\Upsilon$		desc. node	13547 Feb 02 13:26	4° <b>)</b> 55'33	
	13546 Mar 17 15:58	$0^{\circ}$ 8			13547 Feb 17 21:07	$0^{\circ}$ Y	
evening max el	13546 Mar 23 18:00	6° <b>8</b> 39'37	25°46'56	evening max el	13547 Mar 06 07:48	20° <b>Y</b> ′24'31	26°46'12
retrograde	13546 Apr 05 06:06	13° <b>8</b> 51'15		retrograde	13547 Mar 19 12:27	27° <b>Y</b> ′49′08	
evening set	13546 Apr 11 06:50	11° <b>8</b> 22'25		evening set	13547 Mar 25 23:11	25° <b>Y</b> 16'59	
asc. node	13546 Apr 11 18:00	10° <b>8</b> 58'10	0.67405.441	asc. node	13547 Mar 29 15:27	21° <b>Υ</b> 39'35	0.66154.433
min. Earth dist.	13546 Apr 15 12:51	6°847'30 4°852'20	0.67485 AU 1°35'15	min. Earth dist.	13547 Mar 29 23:40	21° <b>Y</b> 16'08 18° <b>Y</b> 53'08	0.66154 AU 0°44'35
inferior conj minimum elong	13546 Apr 17 01:11 13546 Apr 16 23:13	4° <b>8</b> 58'35	1°33'13 1°34'05	inferior conj minimum elong	13547 Apr 01 00:17 13547 Mar 31 23:09	18° <b>Y</b> 56'28	0°44°35 0°43'55
minimum ciong	13546 Apr 21 09:52	4 <b>O</b> 36 33	1 34 03	morning rise	13547 Apr 07 00:20	13° <b>Υ</b> 15'13	0 43 33
morning rise	13546 Apr 22 16:12	29° <b>Υ</b> '03'07		direct	13547 Apr 09 22:44	12° <b>Υ</b> 27'40	
direct	13546 Apr 26 00:49	27° <b>Υ</b> '58'35		morning max el	13547 Apr 16 08:14	15°Υ50'00	18°13'52
	13546 Apr 30 22:28	0°8		moning man vi	13547 Apr 26 21:11	0°8	10 13 02
morning max el	13546 May 02 18:57	1° <b>8</b> 37'39	18°53'12	desc. node	13547 May 01 15:45	7° <b>8</b> 32'28	
desc. node	13546 May 14 19:03	17° <b>8</b> 29'40		morning set	13547 May 05 17:00	14° <b>8</b> 01'50	
greatest brilliancy	13546 May 16 09:22	19° <b>8</b> 54'31	-0.8m	_	13547 May 15 17:50	$\Pi^{\circ}0$	
	13546 May 22 22:48	$\Pi$ °0					
morning set	13546 May 25 08:57	3° <b>Ⅱ</b> 45'33		superior conj	13547 May 21 00:47	8° <b>Ⅱ</b> 18′28	-1°57'26
max. Earth dist.	13546 Jun 08 19:10	26° <b>Ⅱ</b> 13'17	1.45619 AU	minimum elong	13547 May 20 16:28	7° <b>Ⅱ</b> 45'57	1°57'48
		_		max. Earth dist.	13547 May 22 15:00	10° <b>Ⅱ</b> 47'50	1.45832 AU
superior conj	13546 Jun 10 16:50	29° <b>Ⅱ</b> 12'07			13547 Jun 03 22:56	0°€	
minimum elong	13546 Jun 10 14:48	29° <b>Ⅱ</b> 04'09	2°13'55	evening rise	13547 Jun 06 01:48	3°517'56	
	13546 Jun 11 05:02	0.20 0.20		greatest brilliancy	13547 Jun 17 05:20	20° <b>©</b> 31'47	-0.7m
evening rise	13546 Jun 25 20:12 13546 Jun 29 23:35	23° <b>©</b> 18′22 0° <b>Ω</b>		asc. node	13547 Jun 23 17:36 13547 Jun 25 13:12	0° <b>Ω</b> 2° <b>Ω</b> 24'18	
asc. node	13546 Jul 08 16:19	0°37 13° <b>Ω</b> 40'55		evening max el	13547 Jun 25 13:12 13547 Jun 29 09:55	6° <b>Ω</b> 51'13	19°07'19
evening max el	13546 Jul 15 23:58	23°Ω05'24	18°28'36	retrograde	13547 Jul	10° <b>Ω</b> 39'45	19 07 19
retrograde	13546 Jul 22 10:48	26° <b>Ω</b> 33'30	10 20 30	evening set	13547 Jul 09 19:07	9° <b>Ω</b> 28'35	
evening set	13546 Jul 25 13:46	25° <b>Ω</b> 38'47		inferior conj	13547 Jul 15 06:09	3°Ω41'08	3°02'25
inferior conj	13546 Jul 31 07:49	20°Ω05'44	2°38'50	minimum elong	13547 Jul 15 07:29	3° <b>Ω</b> 36'49	3°01'19
minimum elong	13546 Jul 31 10:00	19° <b>Ω</b> 59'11	2°37'38	min. Earth dist.	13547 Jul 16 19:03	1° <b>Ω</b> 42'24	0.66724 AU
min. Earth dist.	13546 Aug 02 11:18	17° <b>Ω</b> 32'05	0.65076 AU		13547 Jul 18 04:22	30° <b>ℝ</b> ∽	
morning rise	13546 Aug 06 05:03	13° <b>Ω</b> 43'49		morning rise	13547 Jul 20 19:13	27° <b>©</b> 16'53	
desc. node	13546 Aug 10 17:39	11° <b>Ω</b> 18′29		direct	13547 Jul 26 22:58	24° <b>©</b> 37'39	
direct	13546 Aug 12 17:01	11° <b>Ω</b> 04'27		desc. node	13547 Jul 28 15:04	24° <b>©</b> 47'58	
morning max el	13546 Aug 26 04:46		27°11'18		13547 Aug 06 08:34	$0$ $^{\circ}\Omega$	
	13546 Sep 04 12:38	0° <b>m</b> )		morning max el	13547 Aug 08 15:46	2° <b>Ω</b> 12'24	26°05'40
	13546 Sep 23 20:47	0∘ <b>⊽</b>			13547 Aug 29 15:58	0° <b>m</b>	
morning set	13546 Sep 30 17:02	12° <b>Ω</b> 42'14		morning set	13547 Sep 13 15:12	25° m/24'51	
asc. node	13546 Oct 04 18:06	20° <b>Ω</b> 45'09	1 22274 433	P d F :	13547 Sep 16 01:49	0° <b>亞</b>	1 25147 417
max. Earth dist.	13546 Oct 05 02:09	21° <b>≏</b> 26'14	1.33374 AU	max. Earth dist.	13547 Sep 17 09:59	2° <b>£</b> 34'21	1.35147 AU
superior conj	13546 Oct 09 02:08	29° <b>≏</b> 46'34	0°40'14	asc. node	13547 Sep 21 14:41	10° <b>≏</b> 52'08	
minimum elong	13546 Oct 09 02:08 13546 Oct 09 00:16			superior conj	13547 Sep 22 21:55	13° <b>≏</b> 30'36	0°12'15
mmmum ciong	155-10 001 09 00.10	27 <b>—</b> 30 40	J 70 10	superior conj	13571 Sep 22 21.33	15 -30 30	0 12 13

minimum elong	13547 Sep 22 21:14	13° <b>≏</b> 27'03	0°12'15	max. Earth dist.	13548 Aug 29 10:08	13° <b>m</b> ) 44'28	1.37314 AU
behind sun begin	13547 Sep 22 17:17	13° <b>≏</b> 06'55					
behind sun end	13547 Sep 23 01:11	13° <b>≏</b> 47'13		superior conj	13548 Sep 05 07:04	26° Mp 42'21	
evening rise	13547 Sep 30 13:50	29° <b>Ω</b> 24'31		minimum elong	13548 Sep 05 08:25	26° Mp 48'51	0°20'02
	13547 Sep 30 20:42	0°M			13548 Sep 06 23:25	0∘ <b>⊽</b>	
evening max el	13547 Oct 19 02:30	29°M58'16	20°34'24	asc. node	13548 Sep 07 11:15	0° <b>2</b> 58′27	
	13547 Oct 19 03:12	0° 🖍 100 11 4		evening rise	13548 Sep 13 17:31	13° <b>⊆</b> 30'54	
desc. node	13547 Oct 24 11:15	4° <b>₹</b> 02'14 5° <b>₹</b> 31'27			13548 Sep 22 10:29	0°ጤ 11°ጤ12'35	10924141
retrograde	13547 Oct 30 06:39 13547 Nov 01 12:43	5° <b>x</b> '31'27'		evening max el retrograde	13548 Sep 30 14:17 13548 Oct 10 02:44	15°M58'18	19°24'41
evening set inferior conj	13547 Nov 01 12:45 13547 Nov 10 12:02	1° <b>√</b> 24'07	1051116	desc. node	13548 Oct 10 02.44 13548 Oct 10 08:42	15 IL 38 18 15°M 58'07	
minimum elong	13547 Nov 10 12:02 13547 Nov 10 02:05	1°×2407		evening set	13548 Oct 10 08.42 13548 Oct 11 23:29	15°ML48'07	
min. Earth dist.	13547 Nov 10 02:03	0° <b>∡</b> 42′08	0.54652 AU	inferior conj	13548 Oct 20 15:09	11°ML40'33	-3°11'20
iiiii. Eartii dist.	13547 Nov 12 22:47	30°RM	0.54052 AU	minimum elong	13548 Oct 20 07:01	11°ML53'45	
morning rise	13547 Nov 12 22:47	27°M25'59		min. Earth dist.	13548 Oct 23 02:52	10°ML03'52	0.55627 AU
direct	13547 Nov 23 01:20	26°M43'58		morning rise	13548 Oct 28 12:22	7°ML12'38	0.33027710
direct	13547 Dec 02 10:19	20° IIU+3 30° 0° X <sup>7</sup>		direct	13548 Nov 02 18:54	6°ML09'57	
morning max el	13547 Dec 06 08:43	3° <b>х</b> 12'45	23°31'17	morning max el	13548 Nov 16 18:39		25°18'09
asc. node	13547 Dec 18 15:42	19° 🗷 18'15	23 31 17	morning max er	13548 Nov 29 20:23	0° <b>∡</b> 7	23 10 0)
use. Houe	13547 Dec 24 13:38	0°궁		asc. node	13548 Dec 04 12:42	7° <b>∡</b> 759'10	
morning set	13547 Dec 30 01:04	11°る14'27		morning set	13548 Dec 13 12:47	25° <b>₹</b> 56'44	
8				. 8	13548 Dec 15 09:39	0°ප	
superior conj	13548 Jan 05 22:06	26° <b>る</b> 08'45	1°34'30				
minimum elong	13548 Jan 05 23:18	26° <b>ප</b> 15'12	1°35'26	superior conj	13548 Dec 20 07:15	10° <b>る</b> 49'07	1°38'09
C	13548 Jan 07 17:08	0° <b>≈</b>		minimum elong	13548 Dec 20 07:21	10° <b>ට</b> 49'38	1°39'12
max. Earth dist.	13548 Jan 08 18:46	2°≈16'13	1.33087 AU	max. Earth dist.	13548 Dec 21 21:34	14° <b>ප</b> 19'56	1.31954 AU
evening rise	13548 Jan 13 15:32	12° <b>≈</b> 16'42		evening rise	13548 Dec 27 11:59	26° <b>ප</b> 17'46	
desc. node	13548 Jan 20 10:07	25° <b>≈</b> 07'47			13548 Dec 29 07:34	0° <b>≈</b>	
	13548 Jan 23 04:30	0° <b>∀</b>		desc. node	13549 Jan 06 06:54	15° <b>≈</b> 01'48	
	13548 Feb 13 03:40	$0^{\circ}$ Y			13549 Jan 15 14:06	0° <b>∀</b>	
evening max el	13548 Feb 16 21:06	3° <b>Y</b> 52'07	27°23'48	evening max el	13549 Jan 29 07:53	16° <b>)</b> 49'41	27°33'04
retrograde	13548 Mar 01 12:15	11° <b>Y</b> 19'13		retrograde	13549 Feb 12 04:42	24° <b>)</b> 12'38	
evening set	13548 Mar 08 06:38	8° <b>Y</b> 49'47		evening set	13549 Feb 19 02:38	21° <b>¥</b> 53′08	
min. Earth dist.	13548 Mar 12 02:53	5° <b>Y</b> 20'41	0.64459 AU	min. Earth dist.	13549 Feb 22 20:39	18° <b>¥</b> 51′20	0.62468 AU
inferior conj	13548 Mar 14 15:15	2° <b>Y</b> 39'16		inferior conj	13549 Feb 25 19:06	16° <b>∺</b> 03'24	
minimum elong	13548 Mar 14 15:47	2° <b>Y</b> 37'52	0°17'15	minimum elong	13549 Feb 25 22:11		1°29'04
asc. node	13548 Mar 15 12:57	1° <b>Y</b> 41'39		asc. node	13549 Mar 02 10:27	12° <b>米</b> 08'59	
	13548 Mar 17 05:44	30° <b>₹</b>		morning rise	13549 Mar 04 20:26	10° <b>¥</b> 56′05	
morning rise	13548 Mar 21 02:53	27° <b>)</b> 15′09		direct	13549 Mar 07 02:50	10° <b>)</b> 32'32	
direct	13548 Mar 23 16:27	26° <b>)</b> 41'21	15051105	morning max el	13549 Mar 13 18:49	13° <b>)</b> ₹55'40	17°46'51
morning max el	13548 Mar 30 01:10	29° <b>)</b> € 58'37	17°51'35		13549 Mar 24 21:24	0°Υ 0°Ω2 (15.5	
	13548 Mar 30 01:44	0°Υ 25° <b>Ω</b> 40117		morning set	13549 Mar 29 17:33	8° <b>Υ</b> 26'55	
morning set	13548 Apr 16 05:18	25° <b>Υ</b> 40'17		desc. node	13549 Apr 04 08:55	18° <b>Ƴ</b> 18′24	
desc. node	13548 Apr 17 12:22 13548 Apr 18 19:27	27° <b>Ƴ</b> 50'13 0° <b>႘</b>		aumariar aani	13549 Apr 10 11:08	28° <b>Ƴ</b> 40'09	0946126
	15546 Apr 16 19.27	0.0		superior conj minimum elong	13549 Apr 10 11:08 13549 Apr 10 06:35	28° <b>Y</b> 21'09	
superior conj	13548 Apr 29 18:58	17° <b>8</b> 57'39	1025'44	minimum elong	13549 Apr 11 06:17	0° <b>8</b>	0 40 08
minimum elong	13548 Apr 29 10:33	17° <b>8</b> 23'55		max. Earth dist.	13549 Apr 17 04:26		1.44077 AU
max. Earth dist.	13548 May 04 11:02		1.45298 AU	evening rise	13549 Apr 25 04:12	22° <b>8</b> 16'02	1.440// AC
max. Dartii dist.	13548 May 07 09:44	0°Ⅱ	1.10290710	evening rise	13549 Apr 30 05:38	0°Ⅱ	
evening rise	13548 May 15 15:22	12° <b>∏</b> 43'43			13549 May 21 12:50	0°©	
	13548 May 27 01:45	0ಂಣ 		evening max el	13549 May 25 13:14	4°9528'56	21°09'36
greatest brilliancy	13548 May 30 14:06	5° <b>©</b> 09'21	-0.6m	asc. node	13549 May 29 07:20	7°9642'12	
asc. node	13548 Jun 11 10:13	20°\$28'52		retrograde	13549 Jun 03 04:30	9°530'49	
evening max el	13548 Jun 11 14:32	20°539'47	20°01'49	evening set	13549 Jun 07 12:38	7° <b>5</b> 46'03	
retrograde	13548 Jun 19 05:38	25° <b>©</b> 00'37		inferior conj	13549 Jun 12 18:34	1° <b>©</b> 33'47	3°09'31
evening set	13548 Jun 23 03:24	23° <b>©</b> 32'27		minimum elong	13549 Jun 12 17:53	1°536'09	3°08'26
inferior conj	13548 Jun 28 10:32	17° <b>©</b> 31'48	3°11'58	min. Earth dist.	13549 Jun 13 03:29	1°902'43	0.68669 AU
minimum elong	13548 Jun 28 10:50	17° <b>©</b> 30'45	3°10'55		13549 Jun 13 21:39	30° <b>Ŗ</b> Ⅱ	
min. Earth dist.	13548 Jun 29 09:05	16° <b>©</b> 15'26	0.67933 AU	morning rise	13549 Jun 17 22:55	25° <b>Ⅱ</b> 15'59	
morning rise	13548 Jul 03 17:57	11° <b>©</b> 09'31		direct	13549 Jun 23 03:14	23° <b>II</b> 00'26	
direct	13548 Jul 09 10:42	8° <b>©</b> 38'58		desc. node	13549 Jul 01 09:36	27° <b>Ⅱ</b> 09'59	
desc. node	13548 Jul 14 12:24	10° <b>©</b> 14'01		morning max el	13549 Jul 03 12:55	29° <b>Ⅱ</b> 11'37	23°13'56
morning max el	13548 Jul 21 02:10	15° <b>©</b> 37'38	24°43'19		13549 Jul 04 07:44	0ංම	
	13548 Aug 01 22:14	$0 {\circ} \Omega$			13549 Jul 26 15:59	$0^{\circ}\Omega$	
morning set	13548 Aug 21 13:55 13548 Aug 25 20:14	0° my 7° my 20'01		morning set max. Earth dist.	13549 Aug 07 03:36 13549 Aug 11 08:17	18° <b>Ω</b> 17'21	1.39661 AU

	13549 Aug 13 23:20	0° <b>m</b> )			13550 Jul 19 13:48	$0^{\circ}\Omega$	
				max. Earth dist.	13550 Jul 24 09:58	7° <b>Ω</b> 53′02	1.41916 AU
superior conj	13549 Aug 19 01:46	9° Mp 13'10		:	12550 A 01 01-22	200 0 52101	1920/12
minimum elong asc. node	13549 Aug 19 05:49 13549 Aug 25 07:49	9° <b>Т</b> у31'52 21°Ту00'54	0°54'49	superior conj minimum elong	13550 Aug 01 01:33 13550 Aug 01 08:09	20°Ω53'01 21°Ω21'50	
evening rise	13549 Aug 28 13:37	27° mg 15'13		minimum clong	13550 Aug 06 04:47	0°m	1 2900
e vennig rise	13549 Aug 29 23:56	0° <u>م</u>		evening rise	13550 Aug 11 22:21	10° <b>m</b> ) 27'38	
evening max el	13549 Sep 13 14:40	23° <b>♀</b> 14'34	18°36'54	asc. node	13550 Aug 12 04:26	10° m) 55'35	
retrograde	13549 Sep 21 16:39	27° <b>₽</b> 19'02			13550 Aug 23 05:43	0∘ <del>⊽</del>	
evening set	13549 Sep 23 15:18	27° <b>≏</b> 05'40		evening max el	13550 Aug 27 23:42	5° <b>ჲ</b> 56'13	18°10'09
desc. node	13549 Sep 27 06:11	25° <b>≏</b> 37′20		retrograde	13550 Sep 04 01:15	9° <b>ഫ</b> 32'05	
inferior conj	13549 Oct 01 14:25	22° <b>≏</b> 38'49	-1°22'40	evening set	13550 Sep 06 06:41	9° <b>亞</b> 11'09	
minimum elong	13549 Oct 01 11:05	22° <b>≏</b> 45′09	1°21'01	inferior conj	13550 Sep 13 11:22	4° <b>ჲ</b> 23'39	0°12'36
min. Earth dist.	13549 Oct 04 18:39	20° <b>≏</b> 15'14	0.57338 AU	minimum elong	13550 Sep 13 11:47	4° <b>≏</b> 22'43	0°12'25
morning rise	13549 Oct 09 03:24	17° <b>≏</b> 33'01		transit middle	13550 Sep 13 11:47	4° <b>≙</b> 22'43	0°12'25
direct	13549 Oct 15 02:50	16° <b>≏</b> 04'07		transit begin	13550 Sep 13 09:37	4° <b>£</b> 27'32	
morning max el	13549 Oct 29 09:42	23° <b>△</b> 33'11	26°46'25	transit end	13550 Sep 13 13:58	4° <b>₽</b> 17'54	
,	13549 Nov 04 05:41	0°M		desc. node	13550 Sep 14 03:40	3° <b>₽</b> 47'27	0.50405.444
asc. node	13549 Nov 21 09:35	27°M10'47		min. Earth dist.	13550 Sep 16 18:17	1° <b>⊆</b> 30'35	0.59495 AU
morning set	13549 Nov 22 20:22 13549 Nov 27 22:44	0° ⊀ <sup>7</sup> 10° ≮ <sup>7</sup> 30'17		morning rise	13550 Sep 18 16:07 13550 Sep 20 13:31	30°ዪ <b>ጥ</b> 28° <b>™</b> 44'19	
morning set	13349 NOV 27 22.44	10 × 30 17		direct	13550 Sep 20 13.31 13550 Sep 27 00:37	26° Mp 47'47	
superior conj	13549 Dec 04 18:31	25° <b>∡</b> ³32'26	1°35'46	uncet	13550 Oct 05 20:29	20 m/4/4/ 0° <b>⊡</b>	
minimum elong	13549 Dec 04 17:35	25° × 32 20	1°36'45	morning max el	13550 Oct 11 08:17	ა <b>_</b> 4° <b>ჲ</b> 36'10	27°41'48
max. Earth dist.	13549 Dec 05 04:49	26° <b>₹</b> <sup>7</sup> 29'50	1.31321 AU	morning mun vi	13550 Oct 30 03:10	0°M	2, 11 10
	13549 Dec 06 18:34	ರ°0		asc. node	13550 Nov 08 06:22	16° <b>M</b> 44'51	
evening rise	13549 Dec 11 15:13	10° <b>る</b> 34'44		morning set	13550 Nov 12 05:09	24°M50'36	
-	13549 Dec 21 13:31	0° <b>≈</b>			13550 Nov 14 14:58	0° <b>∡</b> ¹	
desc. node	13549 Dec 24 03:46	4° <b>≈</b> 29'31		max. Earth dist.	13550 Nov 18 13:05	8° <b>∡</b> ³38'38	1.31210 AU
evening max el	13550 Jan 11 13:36	29° <b>≈</b> 04'15	27°09'00				
	13550 Jan 12 13:47	0° <b>)</b> €		superior conj	13550 Nov 19 06:03	10° <b>∡</b> 13'21	1°27'35
retrograde	13550 Jan 25 12:49	6° <b>∺</b> 19'14		minimum elong	13550 Nov 19 04:18	10° <b>₹</b> 03'30	1°28'20
evening set	13550 Feb 01 07:53	4° <b>)</b> 17′56		evening rise	13550 Nov 25 23:03	25° <b>∡</b> 02'14	
min. Earth dist.	13550 Feb 05 04:01	1° <b>)</b> ₹35'07	0.60304 AU		13550 Nov 28 07:18	0°る	
	13550 Feb 07 01:50	30°R≈	2052121	desc. node	13550 Dec 11 00:44	23° <b>る</b> 20'52	
inferior conj	13550 Feb 08 08:15	28°≈55'37			13550 Dec 15 13:01	0°≈ 100×20103	26010122
minimum elong	13550 Feb 08 14:28 13550 Feb 16 00:12	28°≈42'36	2°49'23	evening max el	13550 Dec 24 11:58	10°≈28'03	26°10'33
morning rise asc. node	13550 Feb 16 00:12 13550 Feb 17 07:54	24°≈07'58 23°≈53'20		retrograde evening set	13551 Jan 07 10:46 13551 Jan 13 18:28	17°≈32'40 15°≈57'24	
direct	13550 Feb 18 01:51	23°≈51'06		min. Earth dist.	13551 Jan 18 01:20		0.58160 AU
morning max el	13550 Feb 25 09:42	27° <b>≈</b> 30'44	18°00'35	inferior conj	13551 Jan 21 03:12	11° <b>≈</b> 06'36	
	13550 Feb 27 15:36	0° <b>∀</b>		minimum elong	13551 Jan 21 11:49	10° <b>≈</b> 50'54	
morning set	13550 Mar 12 23:28	22° <b>)</b> €02'04		morning rise	13551 Jan 29 08:07	6°≈40'26	
	13550 Mar 17 07:17	$0^{\circ}$ Y		direct	13551 Jan 31 09:19	6° <b>≈</b> 26'33	
desc. node	13550 Mar 22 05:25	8° <b>Y</b> 52'20		asc. node	13551 Feb 04 05:16	7° <b>≈</b> 17'53	
				morning max el	13551 Feb 08 17:59	10° <b>≈</b> 32'51	18°34'25
superior conj	13550 Mar 23 03:17	10° <b>Y</b> 28'58			13551 Feb 21 12:15	0° <b>)</b>	
minimum elong	13550 Mar 23 02:40	10° <b>Y</b> ′26′15	0°07'14	morning set	13551 Feb 24 17:48	6° <b>∺</b> 10'27	
behind sun begin	13550 Mar 22 19:32	9° <b>Y</b> ′54'48					
behind sun end	13550 Mar 23 09:48	10° <b>℃</b> 57'38		superior conj	13551 Mar 05 16:14	23° <b>)</b> 14'32	
max. Earth dist.	13550 Mar 30 17:04	23° <b>Y</b> 26′01	1.42304 AU	minimum elong	13551 Mar 05 18:03	23° <b>)</b> €22'58	0°27'09
	13550 Apr 03 17:27	0°8		desc. node	13551 Mar 09 01:56	29° <b>)</b> 28'40 0° <b>°</b>	
evening rise	13550 Apr 05 06:27 13550 Apr 23 15:15	2° <b>8</b> 28'12 0° <b>Ⅱ</b>		max. Earth dist.	13551 Mar 09 08:53 13551 Mar 13 01:13	6° <b>Υ</b> 30'12	1.40175 AU
evening max el	13550 Apr 23 15:15 13550 May 08 06:51	0°Щ 18°Щ18'14	22026140	evening rise	13551 Mar 13 01:13 13551 Mar 17 05:14	13° <b>Y</b> 35'42	1.401/3 AU
asc. node	13550 May 16 04:32	23° <b>∏</b> 47'57	22 20 49	evening risc	13551 Mar 27 12:26	13 <b>†</b> 33 <b>4</b> 2	
retrograde	13550 May 18 01:54	24° <b>∏</b> 04'19			13551 Apr 18 19:37	0°II	
evening set	13550 May 22 21:02	22° <b>∏</b> 04'09		evening max el	13551 Apr 20 21:28	2° <b>Ⅱ</b> 09'46	23°47'52
inferior conj	13550 May 28 04:06	15° <b>∏</b> 42'26	2°56'21	retrograde	13551 May 01 20:22	8° <b>Ⅱ</b> 36'05	=
minimum elong	13550 May 28 02:37	15° <b>Ⅱ</b> 47'38		asc. node	13551 May 03 01:48	8° <b>Ⅲ</b> 29′18	
min. Earth dist.	13550 May 28 00:04	15° <b>∏</b> 56'31	0.68930 AU	evening set	13551 May 07 03:04	6° <b>Ⅲ</b> 22'26	
morning rise	13550 Jun 02 08:02	9°Ⅱ30′53		min. Earth dist.	13551 May 11 20:39	0° <b>Ⅱ</b> 51′07	0.68726 AU
direct	13550 Jun 06 23:34	7° <b>Ⅱ</b> 34'09			13551 May 12 11:37	30° <b>₹</b> 8	
morning max el	13550 Jun 16 02:27	12° <b>Ⅱ</b> 53′22	21°46'30	inferior conj	13551 May 12 13:16	29° <b>8</b> 54'20	
desc. node	13550 Jun 18 06:40	15° <b>Ⅱ</b> 11'54		minimum elong	13551 May 12 11:15	0° <b>Ⅲ</b> 01'14	2°31'42
_	13550 Jun 29 17:23	0°50		morning rise	13551 May 17 19:25	23° <b>8</b> 50'23	
morning set	13550 Jul 18 09:59	28° <b>©</b> 08'51		direct	13551 May 21 22:25	22° <b>8</b> 14'14	

morning max el	13551 May 29 21:48	26° <b>8</b> 45'26	20°28'05	greatest brilliancy	13552 May 24 17:32	27° <b>8</b> 25'02	-0.7m
	13551 Jun 01 21:26	$\Pi$ $^{\circ}0$			13552 May 26 11:15	$\Pi$ $^{\circ}0$	
desc. node	13551 Jun 05 03:39	4° <b>Ⅱ</b> 02'12		morning set	13552 Jun 05 20:20	15° <b>Ⅱ</b> 47'11	
	13551 Jun 23 03:50	$0$ $\circ$ $\odot$			13552 Jun 15 00:28	$0$ $\circ$ $\odot$	
morning set	13551 Jun 27 18:24	7° <b>5</b> 03'44		max. Earth dist.	13552 Jun 18 09:35	5° <b>5</b> 18'04	1.45161 AU
max. Earth dist.	13551 Jul 06 18:25	21° <b>©</b> 13'52	1.43821 AU				
	13551 Jul 12 03:51	$0^{\circ}\Omega$		superior conj	13552 Jun 22 04:11	11° <b>©</b> 16'33	-2°12'36
				minimum elong	13552 Jun 22 06:37	11° <b>5</b> 26'12	2°13'35
superior conj	13551 Jul 13 02:30	1° <b>Ω</b> 33'33	-1°57'24		13552 Jul 03 17:29	$0$ $^{\circ}\Omega$	
minimum elong	13551 Jul 13 09:24	2° <b>Ω</b> 02'08	1°57'48	evening rise	13552 Jul 06 10:31	4° <b>Ω</b> 28'59	
evening rise	13551 Jul 25 14:58	22° <b>Ω</b> 55'52		asc. node	13552 Jul 15 21:48	20° <b>Ω</b> 02′29	
	13551 Jul 29 16:21	0° <b>™</b>			13552 Jul 22 19:31	0° <b>™</b>	
asc. node	13551 Jul 30 01:04	0° <b>™</b> 37'42		evening max el	13552 Jul 25 03:33	2°m/35'59	18°14'06
evening max el	13551 Aug 11 13:12	19°Mp06'21	18°02'54	retrograde	13552 Jul 31 12:05	5° m 57'52	
retrograde	13551 Aug 18 01:10	22° Tp 28'06		evening set	13552 Aug 03 10:09	5° m 11'50	
evening set	13551 Aug 20 14:47	21° To 55'57		inferior conj	13552 Aug 09 09:46	29° <b>Ω</b> 47'31	2°17'48
inferior conj	13551 Aug 27 03:08	16° To 49'00	1°26'06	minimum elong	13552 Aug 09 12:14	29° <b>Ω</b> 40'31	2°16'33
minimum elong	13551 Aug 27 05:21	16° Mp 43'25	1°25'01		13552 Aug 09 05:22	30°R€	0.62054.433
min. Earth dist.	13551 Aug 30 02:57	13° mp 48'21	0.61787 AU	min. Earth dist.	13552 Aug 11 21:13		0.63954 AU
desc. node	13551 Sep 01 01:12	12° m 03'14		morning rise	13552 Aug 15 12:44	23° <b>Ω</b> 30′02	
morning rise	13551 Sep 02 17:24	10° m/45'44		desc. node	13552 Aug 17 22:43	21°Ω56'56	
direct	13551 Sep 09 09:33	8° Mp 26'04	27°58'30	direct	13552 Aug 22 03:37	20° <b>Ω</b> 55'25	27927152
morning max el	13551 Sep 23 13:26 13551 Oct 04 18:24	16° Mp 25′02 0° <u>₽</u>	27°58'30	morning max el	13552 Sep 04 23:00	28° <b>Ω</b> 55'29 0° <b>m</b>	2/3/33
	13551 Oct 04 18.24 13551 Oct 22 19:20	0°M			13552 Sep 06 00:08 13552 Sep 27 15:35	0∘ <del>ت</del> رااا	
asc. node	13551 Oct 26 03:04	6°M34'07		morning set	13552 Sep 27 13:55 13552 Oct 09 22:56	0 <b>=</b> 22° <b>£</b> 27'58	
morning set	13551 Oct 27 06:00	8°M51'38		asc. node	13552 Oct 11 23:43	26° <b>£</b> 33'35	
max. Earth dist.	13551 Nov 01 18:40	20°M36'48	1.31631 AU	asc. node	13552 Oct 11 25:48	20 <b>=</b> 33 33	
max. Earth dist.	13331 NOV 01 16.40	20 11630 40	1.51051 AU	max. Earth dist.	13552 Oct 14 17:53	2°M16'26	1.32589 AU
superior conj	13551 Nov 03 15:56	24°M45'27	1°13'38	max. Earth dist.	15552 000 14 17.55	2 1101020	1.32307 110
minimum elong	13551 Nov 03 13:43	24°M33'09	1°14'06	superior conj	13552 Oct 17 22:13	9°M03'29	0°54'02
g	13551 Nov 06 00:47	0° <b>⊼</b>	1 1.00	minimum elong	13552 Oct 17 20:01	8°M51'41	0°54'13
evening rise	13551 Nov 10 09:27	9° <b>х</b> 34′12		evening rise	13552 Oct 24 20:37	24°M05'56	
8	13551 Nov 20 17:21	0°る		8	13552 Oct 27 15:47	0° <b>⊼</b>	
desc. node	13551 Nov 27 21:50	11° <b>る</b> 21'16		desc. node	13552 Nov 13 19:02	28° <b>х</b> 12′06	
evening max el	13551 Dec 06 02:13	21° <b>る</b> 01'37	24°43'26		13552 Nov 15 10:30	ರ°0	
retrograde	13551 Dec 19 20:13	27° <b>る</b> 53'38		evening max el	13552 Nov 16 12:06	1° <b>る</b> 04'18	23°01'53
evening set	13551 Dec 25 06:13	26° <b>පි</b> 48'40		retrograde	13552 Nov 29 16:43	7° <b>る</b> 37'30	
min. Earth dist.	13551 Dec 30 14:02	24° <b>ප</b> 01'51	0.56291 AU	evening set	13552 Dec 03 19:22	7° <b>る</b> 00'46	
inferior conj	13552 Jan 02 01:26	22° <b>る</b> 27'48	-5°24'22	min. Earth dist.	13552 Dec 10 21:18	3° <b>る</b> 44'39	0.54986 AU
minimum elong	13552 Jan 02 09:01	22° <b>る</b> 15'46	5°22'01	inferior conj	13552 Dec 12 04:24	3° <b>る</b> 00'07	-5°56'42
morning rise	13552 Jan 10 13:55	18° <b>る</b> 22'48		minimum elong	13552 Dec 12 05:10	2° <b>る</b> 59'01	5°55'38
direct	13552 Jan 12 21:56	18° <b>る</b> 07'49			13552 Dec 18 01:45	30°₽ <b>⋌</b>	
asc. node	13552 Jan 22 02:35	22° <b>る</b> 19'23		morning rise	13552 Dec 20 16:28	29° <b>∡</b> 10'43	
morning max el	13552 Jan 22 15:29	22° <b>る</b> 49'47	19°30'26	direct	13552 Dec 23 16:06	28° <b>х</b> 49′49	
	13552 Jan 28 10:56	0° <b>≈</b>			13552 Dec 28 22:51	8°0	
morning set	13552 Feb 08 20:28	20° <b>≈</b> 39'40		morning max el	13553 Jan 03 23:03	4° <b>る</b> 13'19	20°49'38
	13552 Feb 13 11:52	0° <b>∀</b>		asc. node	13553 Jan 07 23:51	8° <b>る</b> 43'23	
					13553 Jan 20 13:41	0° <b>≈</b>	
superior conj	13552 Feb 16 21:20	6° <b>)</b> 43'47		morning set	13553 Jan 23 04:26	5° <b>≈</b> 20'41	
minimum elong	13552 Feb 17 00:03	6° <b>¥</b> 57'05	0°55'10		10550 Y 00 1111	200 1	1015145
max. Earth dist.	13552 Feb 23 07:41	18° <b>)</b> ₹56'00	1.37919 AU	superior conj	13553 Jan 30 14:20	20°≈44'45	1°15'47
desc. node	13552 Feb 23 22:28	20° <b>)</b> €03'34		minimum elong	13553 Jan 30 16:54	20°≈57'50	1°16'13
evening rise	13552 Feb 27 00:52	25° <b>)</b> (36′26		E d E c	13553 Feb 04 05:08	0° <b>)</b> {	1.25776 111
	13552 Feb 29 13:40	0° <b>Υ</b>		max. Earth dist.	13553 Feb 04 16:27	0° <b>)</b> 55'10	1.35776 AU
	13552 Mar 20 02:40	0°8	2500(10)	evening rise	13553 Feb 08 14:32	8° <b>)</b> €22'06	
evening max el	13552 Apr 02 11:07	16° <b>8</b> 03'11	25°06'06	desc. node	13553 Feb 09 19:01	10° <b>)</b> 33'07 0° <b>Υ</b>	
retrograde	13552 Apr 14 10:47	23° <b>8</b> 00'48		overing 1	13553 Feb 21 06:13	0°γ' 29° <b>Υ</b> 52'58	26014110
asc. node	13552 Apr 18 23:08	21° <b>8</b> 33'20		evening max el	13553 Mar 16 00:43	29°'ႃ/'52'58 0° <b>엉</b>	26°14'18
evening set min. Earth dist.	13552 Apr 20 05:10 13552 Apr 24 15:03	20° <b>8</b> 36'26 15° <b>8</b> 41'18	0.68066 AU	retrograde	13553 Mar 16 03:36 13553 Mar 28 20:16	7° <b>8</b> 11'03	
inferior conj	13552 Apr 24 15:03 13552 Apr 25 20:11	13° <b>8</b> 41'18	1°59'25	evening set	13553 Mar 28 20:16 13553 Apr 04 01:39	4° <b>8</b> 39'59	
minimum elong	13552 Apr 25 20:11 13552 Apr 25 18:02	14° <b>8</b> 03'54	1°59′25 1°58′08	asc. node	13553 Apr 04 01:39 13553 Apr 05 20:35	3° <b>8</b> 00'07	
morning rise	13552 Apr 25 18.02 13552 May 01 07:12	8° <b>8</b> 10'57	1 20 00	min. Earth dist.	13553 Apr 08 05:08	0° <b>8</b> 20'04	0.66971 AU
direct	13552 May 01 07:12 13552 May 04 22:20	6° <b>8</b> 55'12		mm. Darm dist.	13553 Apr 08 03:08 13553 Apr 08 11:44	30°RΥ	0.007/1 AU
morning max el	13552 May 12 00:46	10° <b>8</b> 49'15	19°23'21	inferior conj	13553 Apr 08 11:44 13553 Apr 09 22:46	28° <b>Υ</b> 12'01	1°15'09
desc. node	13552 May 12 00:40	23° <b>6</b> 28'05	., _, _,	minimum elong	13553 Apr 09 21:04	28° <b>Υ</b> 17'17	1°14'08
	22 00.55			ciong	эт эт эт эт	1 -/ -/	

morning rise	13553 Apr 15 17:20	22° <b>Y</b> 27'35		direct	13554 Apr 02 17:53	5° <b>Ƴ</b> 54'19	
direct	13553 Apr 18 21:31	21° <b>Y</b> 30'35		morning max el	13554 Apr 09 02:09	9° <b>Y</b> 13′05	18°02'17
morning max el	13553 Apr 25 10:53	25° <b>Y</b> ′00′39	18°34'28		13554 Apr 23 14:37	0°8	
	13553 Apr 29 18:20	0° <b>8</b>		desc. node	13554 Apr 25 18:00	3° <b>8</b> 29'16	
desc. node	13553 May 08 21:19	13° <b>8</b> 19'26		morning set	13554 Apr 27 09:25	6° <b>8</b> 10'06	
morning set	13553 May 16 13:13	25° <b>8</b> 18'21					
	13553 May 19 12:59	$\Pi$ °0		superior conj	13554 May 12 00:27	29° <b>8</b> 39'10	
max. Earth dist.	13553 Jun 01 04:38	19° <b>Ⅱ</b> 46'46	1.45802 AU	minimum elong	13554 May 11 15:19	29° <b>8</b> 03'14	1°45'31
					13554 May 12 05:44	$\Pi$ °0	
superior conj	13553 Jun 01 14:04	20° <b>Ⅲ</b> 23'38		max. Earth dist.	13554 May 15 00:35	4° <b>Ⅱ</b> 22'21	1.45694 AU
minimum elong	13553 Jun 01 08:49	20° <b>Ⅱ</b> 03'05	2°09'34	evening rise	13554 May 28 02:51	24° <b>∏</b> 41'12	
	13553 Jun 07 17:23	0			13554 May 31 13:42	0	
evening rise	13553 Jun 17 05:35	15° <b>©</b> 00'31		greatest brilliancy	13554 Jun 10 05:21	14° <b>©</b> 38'15	-0.7m
greatest brilliancy	13553 Jun 25 06:46	27° <b>©</b> 45'16	-0.8m	asc. node	13554 Jun 19 15:35	27° <b>©</b> 30'58	
	13553 Jun 26 17:18	$0$ $^{\circ}\Omega$			13554 Jun 21 22:03	$0$ $^{\circ}$ $\Omega$	
asc. node	13553 Jul 02 18:38	9° <b>Ω</b> 02'59		evening max el	13554 Jun 21 23:27	0° <b>Ω</b> 03'31	19°28'37
evening max el	13553 Jul 08 15:42	16° <b>Ω</b> 16'48	18°42'59	retrograde	13554 Jun 29 03:32	4° <b>Ω</b> 04'55	
retrograde	13553 Jul 15 05:56	19° <b>Ω</b> 52'17		evening set	13554 Jul 02 19:33	2° <b>Ω</b> 46'41	
evening set	13553 Jul 18 12:43	18° <b>Ω</b> 50'38			13554 Jul 05 17:27	30° <b>₹ॐ</b>	
inferior conj	13553 Jul 24 03:20	13° <b>Ω</b> 10′59	2°50'43	inferior conj	13554 Jul 08 04:34	26° <b>©</b> 53'20	3°08'00
minimum elong	13553 Jul 24 05:12	13° <b>Ω</b> 05'11	2°49'33	minimum elong	13554 Jul 08 05:29	26° <b>©</b> 50'21	3°06'57
min. Earth dist.	13553 Jul 26 00:31	10° <b>Ω</b> 51'10	0.65824 AU	min. Earth dist.	13554 Jul 09 11:19	25° <b>©</b> 11'49	0.67294 AU
morning rise	13553 Jul 29 20:47	6° <b>Ω</b> 47'16		morning rise	13554 Jul 13 14:53	20°529'12	
desc. node	13553 Aug 04 20:11	4° <b>Ω</b> 07'40		direct	13554 Jul 19 14:07	17° <b>©</b> 52'40	
direct	13553 Aug 05 05:31	4° <b>Ω</b> 07'07		desc. node	13554 Jul 22 17:35	18° <b>5</b> 29'20	
morning max el	13553 Aug 18 10:16	11° <b>Ω</b> 55'56	26°46'08	morning max el	13554 Jul 31 21:08	25° <b>©</b> 14'38	25°32'00
	13553 Sep 01 21:09	0° <b>m</b> )			13554 Aug 05 04:55	$0^{\circ}\Omega$	
	13553 Sep 20 05:51	0∘ <b>ত</b>			13554 Aug 26 08:51	O° <b>m</b> y	
morning set	13553 Sep 23 04:59	5° <b>₽</b> 32'20		morning set	13554 Sep 05 20:25	17° <b>™</b> 55'47	
max. Earth dist.	13553 Sep 27 07:39	13° <b>≏</b> 33'46	1.34069 AU	max. Earth dist.	13554 Sep 09 11:27	24° Mp 37'56	1.36024 AU
asc. node	13553 Sep 28 20:20	16° <b>ჲ</b> 38'35			13554 Sep 12 06:47	0∘ <b>⊽</b>	
superior conj	13553 Oct 01 22:34	23° <b>≏</b> 01'11	0°28'57	superior conj	13554 Sep 15 14:13	6° <b>≏</b> 31'47	
minimum elong	13553 Oct 01 21:05	22° <b>≏</b> 53'30	0°28'59	minimum elong	13554 Sep 15 14:16	6° <b>£</b> 32'04	0°01'02
	13553 Oct 05 06:00	0° <b>M</b>		behind sun begin	13554 Sep 15 08:01	6° <b>≏</b> 00'46	
evening rise	13553 Oct 09 06:35	8°M32'05		behind sun end	13554 Sep 15 20:32	7° <b>≏</b> 03'27	
	13553 Oct 20 12:57	0° <b>∡</b> ¹		asc. node	13554 Sep 15 16:55	6° <b>≏</b> 45'19	
evening max el	13553 Oct 29 02:51		21°23'53	evening rise	13554 Sep 23 13:16	22° <b>₽</b> 47'02	
desc. node	13553 Oct 31 16:21	13° <b>∡</b> ′29′00			13554 Sep 27 03:13	0°M₊	
retrograde	13553 Nov 10 04:40	17° <b>∡</b> 12'42 −		evening max el	13554 Oct 11 06:25	21°M59'09	20°02'08
evening set	13553 Nov 12 23:17	16° <b>∡</b> 54′56		desc. node	13554 Oct 18 13:45	26°M44'10	
inferior conj	13553 Nov 21 20:27	13° <b>∡</b> *01'27		retrograde	13554 Oct 21 17:54	27°M12'11	
minimum elong	13553 Nov 21 12:45	13° <b>∡</b> 12'17 −		evening set	13554 Oct 23 17:55	27° <b>M</b> 01'39	
min. Earth dist.	13553 Nov 22 03:21	12° <b>∡</b> ′51'46	0.54494 AU	inferior conj	13554 Nov 01 15:35	23°M02'58	
morning rise	13553 Nov 30 02:57	9° <b>∡</b> 12'18 −		minimum elong	13554 Nov 01 05:40	23°M17'54	
direct	13553 Dec 03 23:52	8° <b>∡</b> ³39'56		min. Earth dist.	13554 Nov 03 11:19	21°M57'01	0.54950 AU
morning max el	13553 Dec 16 17:05	14° <b>∡</b> ¹46′29	22°28'57	morning rise	13554 Nov 09 16:14	18° <b>™</b> 53'34	
asc. node	13553 Dec 25 21:02	26° <b>∡</b> 12'42		direct	13554 Nov 14 11:17	18°M03'27	
	13553 Dec 28 05:30	0°ಕ		morning max el	13554 Nov 28 03:22	24°M48'13	24°17'54
morning set	13554 Jan 07 15:24	20° <b>る</b> 06'55		_	13554 Dec 02 22:25	0° <b>∡</b> 7	
	13554 Jan 12 06:12	0° <b>≈</b>		asc. node	13554 Dec 12 18:07	14° <b>∡</b> ³30'54	
					13554 Dec 20 20:07	0°る	
superior conj	13554 Jan 14 15:47	5°≈07'54		morning set	13554 Dec 23 03:19	4° <b>る</b> 51'36	
minimum elong	13554 Jan 14 17:34	5°≈17'22			105517	100-7	100 (110
max. Earth dist.	13554 Jan 18 07:25	12° <b>≈</b> 46'36	1.33943 AU	superior conj	13554 Dec 29 22:47		1°36'48
evening rise	13554 Jan 22 18:48	21°≈44'10		minimum elong	13554 Dec 29 23:31	19°る47'41	1°37'48
	13554 Jan 27 03:56	0° <b>)</b> {		max. Earth dist.	13555 Jan 01 06:04		1.32538 AU
desc. node	13554 Jan 27 15:39	0° <b>)</b> €53'19			13555 Jan 03 17:36	0° <b>≈</b>	
	13554 Feb 15 01:37	0°Υ	27005:07	evening rise	13555 Jan 06 10:10	5°≈33'00	
evening max el	13554 Feb 26 14:16		27°05'07	desc. node	13555 Jan 14 12:20	20°≈58'21	
retrograde	13554 Mar 12 00:04	20°Υ58'54			13555 Jan 19 19:15	0° <b>)</b> {	07001105
evening set	13554 Mar 18 14:32	18° <b>℃</b> 26'42	0.65477 ***	evening max el	13555 Feb 09 02:40	26° <b>)</b> €47'38	27~31'32
min. Earth dist.	13554 Mar 22 12:52	14° <b>Υ</b> 40'01	0.65477 AU		13555 Feb 12 19:33	0°Υ 4°Ω1 412 4	
asc. node	13554 Mar 23 18:03	13°Υ17'57	0010140	retrograde	13555 Feb 22 21:07	4°Υ14'24	
inferior conj	13554 Mar 24 18:45	12° <b>Υ</b> 07'32	0°19'40	evening set	13555 Mar 01 17:28	1° <b>Υ</b> 48'12	
minimum elong	13554 Mar 24 18:13	12°Υ09'04	0°19'20	min F d V	13555 Mar 03 22:56	30° <b>₹</b> ₩	0.62642.411
morning rise	13554 Mar 30 23:28	6° <b>Ƴ</b> 35′28		min. Earth dist.	13555 Mar 05 12:23	28° <b>大</b> 31'17	0.63642 AU

inforior coni	13555 Mar 08 05:23	25° <b>)</b> 45'14	0047117	inforior coni	12556 Eab. 10, 02:25	8° <b>)</b> € 56'50	2904125
inferior conj				inferior conj	13556 Feb 19 03:25		
minimum elong	13555 Mar 08 06:53	25° <b>)</b> (41'22	0°46'28	minimum elong	13556 Feb 19 07:47	8° <del>X</del> 46'54	2*02*20
asc. node	13555 Mar 10 15:33	23° <b>)</b> (22'39		asc. node	13556 Feb 25 13:01	4° <b>)</b> €17'19	
morning rise	13555 Mar 14 22:39	20° <b>)</b> €27'53		morning rise	13556 Feb 26 10:56	3° <b>¥</b> 57'10	
direct	13555 Mar 17 08:47	19° <b>¥</b> 59'01		direct	13556 Feb 28 14:55	3° <b>)</b> (36′53	
morning max el	13555 Mar 23 19:47	23° <b>¥</b> 17'49	17°47'18	morning max el	13556 Mar 06 12:36	7° <b>¥</b> 05'59	17°50'16
	13555 Mar 29 04:45	$0^{\circ}$ Y			13556 Mar 21 09:19	$0^{\circ}$ Y	
morning set	13555 Apr 09 08:38	18° <b>Ƴ</b> 19′29		morning set	13556 Mar 22 05:08	1° <b>Y</b> 28'53	
desc. node	13555 Apr 12 14:33	23° <b>Y</b> 51'39		desc. node	13556 Mar 29 11:03	14° <b>Y</b> °22'20	
	13555 Apr 16 05:54	0° <b>႘</b>					
				superior conj	13556 Apr 02 05:37	20° <b>Ƴ</b> 53'47	-0°29'25
superior conj	13555 Apr 22 03:09	9° <b>8</b> 43'13	-1°09'28	minimum elong	13556 Apr 02 02:53	20° <b>Ƴ</b> 42'05	0°29'16
minimum elong	13555 Apr 21 20:10	9° <b>8</b> 14'44	1°09'07		13556 Apr 07 15:55	0°8	
max. Earth dist.	13555 Apr 27 19:10	18° <b>8</b> 49'38	1.44858 AU	max. Earth dist.	13556 Apr 09 10:46	2° <b>8</b> 55'22	1.43388 AU
	13555 May 04 22:31	0°II		evening rise	13556 Apr 16 07:08	13° <b>8</b> 50'15	
evening rise	13555 May 07 13:58	4° <b>∏</b> 04'03			13556 Apr 26 22:40	0°П	
evening rise	13555 May 25 01:05	0°95		evening max el	13556 May 17 22:00	27° <b>I</b> I41'46	21°41'41
evening max el	13555 Jun 05 01:32	13° <b>©</b> 52'29	20°29'17	evening max er	13556 May 20 10:13	0°95	21 4141
asc. node			20 29 17	aga mada	•	2° <b>©</b> 01'53	
	13555 Jun 06 12:37	15°5015'25		asc. node	13556 May 23 09:45		
retrograde	13555 Jun 13 02:26	18°930'03		retrograde	13556 May 27 00:41	3°501'53	
evening set	13555 Jun 17 04:27	16° <b>©</b> 54'58		evening set	13556 May 31 13:29	1°9510'24	
inferior conj	13555 Jun 22 10:47	10°5549'20	3°12'16		13556 Jun 01 19:28	30°Ŗ <b>Ⅱ</b>	
minimum elong	13555 Jun 22 10:39	10° <b>©</b> 49'46	3°11'14	inferior conj	13556 Jun 05 19:39	24° <b>∏</b> 54′05	
min. Earth dist.	13555 Jun 23 03:32	9° <b>©</b> 51'45	0.68305 AU	minimum elong	13556 Jun 05 18:36	24° <b>Ⅱ</b> 57'45	3°04'04
morning rise	13555 Jun 27 16:33	4° <b>5</b> 28'35		min. Earth dist.	13556 Jun 05 23:03	24° <b>∏</b> 42'16	0.68844 AU
direct	13555 Jul 03 04:13	2° <b>©</b> 03'29		morning rise	13556 Jun 10 23:32	18° <b>Ⅲ</b> 38'56	
desc. node	13555 Jul 09 14:52	4° <b>5</b> 36'38		direct	13556 Jun 15 22:32	16° <b>Ⅲ</b> 30′53	
morning max el	13555 Jul 14 07:18	8°543'20	24°05'28	desc. node	13556 Jun 25 12:01	22° <b>Ⅲ</b> 02'48	
S	13555 Jul 31 00:57	$0^{\circ}\Omega$		morning max el	13556 Jun 25 18:39	22° <b>Ⅱ</b> 19'20	22°35'58
morning set	13555 Aug 18 16:47	29° <b>Ω</b> 27'47			13556 Jul 02 10:46	0°ಅ	
morning out	13555 Aug 19 00:16	0° mp			13556 Jul 23 08:09	$0^{\circ}\Omega$	
max. Earth dist.	13555 Aug 22 09:30	5° <b>m</b> ) 55'40	1.38303 AU	morning set	13556 Jul 29 13:35	9° <b>Ω</b> 56'34	
max. Lartii dist.	13333 Aug 22 07.30	3 Hy 33 40	1.30303 AC	max. Earth dist.	13556 Aug 03 08:48	17° <b>Ω</b> 55'38	1.40653 AU
:	12555 A 20 17:45	100 m 27/2/	0024146	max. Earth dist.		0°m)	1.40033 AU
superior conj	13555 Aug 29 17:45	19° Mp 27'36			13556 Aug 10 07:09	עוו יט	
minimum elong	13555 Aug 29 20:11	19° m 39'10	0°34'37		12556 4 11 04 56	1070.25145	1000153
asc. node	13555 Sep 02 13:27	26° m 50'22		superior conj	13556 Aug 11 04:56	1° m 37'45	
	13555 Sep 04 04:05	0∘ <b>⊽</b>		minimum elong	13556 Aug 11 10:10	2°Mp01'23	1°09'40
evening rise	13555 Sep 07 14:07	6° <b>£</b> 44'56		asc. node	13556 Aug 19 10:00	16° <b>m</b> 49'40	
	13555 Sep 20 21:55	$0^{\circ}$ M		evening rise	13556 Aug 21 05:50	20° Mp 16'32	
evening max el	13555 Sep 24 00:06	3°M34'58	19°01'46		13556 Aug 26 11:17	0∘ <b>⊽</b>	
retrograde	13555 Oct 02 20:37	8° <b>ጤ</b> 01'17		evening max el	13556 Sep 06 04:40	15° <b>≏</b> 54'38	18°23'02
evening set	13555 Oct 04 17:21	7° <b>M</b> 50'17		retrograde	13556 Sep 13 18:42	19° <b>≏</b> 45'03	
desc. node	13555 Oct 05 11:13	7° <b>M</b> 40'00		evening set	13556 Sep 15 20:05	19° <b>≏</b> 28'49	
inferior conj	13555 Oct 13 02:38	3°M35'18	-2°24'45	desc. node	13556 Sep 21 08:44	16° <b>≏</b> 31'43	
minimum elong	13555 Oct 12 20:29	3°M45'55	2°21'53	inferior conj	13556 Sep 23 11:14	14° <b>≏</b> 52'49	-0°39'48
min. Earth dist.	13555 Oct 15 23:25	1°MJ36'58	0.56281 AU	minimum elong	13556 Sep 23 09:43	14° <b>≏</b> 55'52	0°39'02
	13555 Oct 18 13:51	30° <b>₽</b> Ω		min. Earth dist.	13556 Sep 26 18:00	12° <b>Ω</b> 14'29	0.58226 AU
morning rise	13555 Oct 20 20:43	28° <b>≏</b> 51'38		morning rise	13556 Sep 30 19:54	9° <b>₽</b> 32'05	
direct	13555 Oct 26 11:18	27° <b>Ω</b> 37'56		direct	13556 Oct 07 01:06	7° <b>£</b> 51'27	
direct	13555 Nov 03 08:05	0°M		morning max el	13556 Oct 21 08:38	15° <b>£</b> 28'39	27014135
morning may al	13555 Nov 09 14:36	4°M52'20	25050157	morning max ci	13556 Nov 02 03:48	0°M	27 1433
morning max el			23 3837				
,	13555 Nov 27 17:55	0° ⊀ <sup>7</sup>		asc. node	13556 Nov 15 11:54	22°M47'21	
asc. node	13555 Nov 29 15:04	3° <b>∡</b> ¹25'46			13556 Nov 19 01:50	0° <b>∡</b> 7	
morning set	13555 Dec 07 14:27	19° <b>∡</b> ³30′06		morning set	13556 Nov 20 23:06	3° <b>∡</b> ¹57'54	
	13555 Dec 12 09:17	0°ප					
				superior conj	13556 Nov 27 20:38	19° <b>∡</b> 07'44	1°33'00
superior conj	13555 Dec 14 09:03	4° <b>る</b> 25'36	1°37'52	minimum elong	13556 Nov 27 19:18	19° <b>∡</b> 00′20	1°33'54
minimum elong	13555 Dec 14 08:41	4° <b>る</b> 23'35	1°38'54	max. Earth dist.	13556 Nov 27 19:19	19° <b>₰</b> 00'26	1.31213 AU
max. Earth dist.	13555 Dec 15 11:03	6° <b>る</b> 49'47	1.31623 AU		13556 Dec 02 18:15	8°0	
evening rise	13555 Dec 21 09:48	19° <b>る</b> 41'23		evening rise	13556 Dec 04 15:15	4° <b>ට</b> 03'01	
	13555 Dec 26 12:47	0° <b>≈</b>		desc. node	13556 Dec 18 06:03	29° <b>る</b> 55'12	
desc. node	13556 Jan 01 09:07	10° <b>≈</b> 41'49			13556 Dec 18 07:13	0° <b>≈</b>	
	13556 Jan 14 02:41	0° <b>∀</b>		evening max el	13557 Jan 03 14:50	21° <b>≈</b> 22'23	26°48'14
evening max el	13556 Jan 22 11:48	9° <b>∺</b> 28'38	27°27'10	retrograde	13557 Jan 17 13:48	28°≈32'16	1017
retrograde	13556 Feb 05 10:10	16° <b>)</b> 48'07	2, 2, 10	evening set	13557 Jan 24 05:23	26°≈41'19	
•		16 <del>X</del> 4807 14° <del>X</del> 35'45		•			0.50277 411
evening set	13556 Feb 12 07:35		0.61560 411	min. Earth dist.	13557 Jan 28 04:48	24°≈03'07	
min. Earth dist.	13556 Feb 16 01:58	11 π42 33	0.61560 AU	inferior conj	13557 Jan 31 09:14	21° <b>≈</b> 32'35	-3 28 02

minimum elong	13557 Jan 31 16:41	21° <b>≈</b> 17'52	3°24'42	min. Earth dist.	13558 Jan 09 21:51	500021112	0.57309 AU
morning rise	13557 Feb 08 07:04	21 ≈1732 16°≈53'46	3 24 42	inferior conj	13558 Jan 12 19:28	3°≈22'17	
direct	13557 Feb 10 08:02	16°≈38'29		minimum elong	13558 Jan 13 04:17	3°≈07'12	
asc. node	13557 Feb 11 10:26	16°≈43'05		minimum clong	13558 Jan 18 11:20	30°Rる	4 44 21
morning max el	13557 Feb 18 01:07	20°≈28'00	18°12'27	morning rise	13558 Jan 21 04:33	29° <b>පි</b> 05'50	
morning max or	13557 Feb 25 04:12	0° <b>¥</b>	10 1227	direct	13558 Jan 23 07:39	28° <b>る</b> 52'02	
morning set	13557 Mar 05 16:58	15° <b>¥</b> 20'21		direct	13558 Jan 27 21:24	0°≈	
morning sec	13557 Mar 13 13:38	0°Υ		asc. node	13558 Jan 29 07:49	0° <b>≈</b> 49'56	
	13007 11111 13 13.30	• •		morning max el	13558 Feb 01 05:21	3°≈12'07	18°55'36
superior conj	13557 Mar 15 07:14	3° <b>Y</b> ′08'41	0°08'07	morning set	13558 Feb 17 15:16	29° <b>≈</b> 38'32	10 00 00
minimum elong	13557 Mar 15 07:51	3° <b>Υ</b> 11'29	0°08'04		13558 Feb 17 19:38	0° <b>∀</b>	
behind sun begin	13557 Mar 15 01:18	2° <b>Y</b> '41'57					
behind sun end	13557 Mar 15 14:24	3° <b>Y</b> '40'57		superior conj	13558 Feb 26 03:39	16° <b>)</b> 14'33	0°39'53
desc. node	13557 Mar 16 07:33	4° <b>Y</b> 57'48		minimum elong	13558 Feb 26 06:01	16° <b>¥</b> 25'45	0°39'52
max. Earth dist.	13557 Mar 22 22:05	16° <b>Y</b> ′26'37	1.41430 AU	desc. node	13558 Mar 03 04:03	25° <b>)</b> 33'45	
evening rise	13557 Mar 27 17:50	24° <b>Y</b> °25'50		max. Earth dist.	13558 Mar 05 05:02	29° <b>)</b> 13′21	1.39208 AU
C	13557 Mar 31 05:19	0°B			13558 Mar 05 15:35	$0^{\circ}$ Y	
	13557 Apr 20 19:47	$\Pi^{\circ}0$		evening rise	13558 Mar 09 01:40	5° <b>Y</b> 56'13	
evening max el	13557 Apr 30 14:09	11° <b>Ⅲ</b> 32'31	23°01'08	Č	13558 Mar 24 06:25	0°8	
asc. node	13557 May 10 06:59	17° <b>Ⅱ</b> 34'30		evening max el	13558 Apr 13 03:57	25° <b>8</b> 24'20	24°21'48
retrograde	13557 May 10 20:57	17° <b>Ⅲ</b> 36′02		Č	13558 Apr 18 15:48	$\Pi^{\circ}0$	
evening set	13557 May 15 21:06	15° <b>Ⅲ</b> 29'37		retrograde	13558 Apr 24 13:57	2° <b>Ⅱ</b> 05'51	
inferior conj	13557 May 21 05:17	9° <b>Ⅱ</b> 04'49	2°47'42	asc. node	13558 Apr 27 04:19	1° <b>Ⅱ</b> 35'53	
minimum elong	13557 May 21 03:32	9° <b>Ⅱ</b> 10'54	2°46'27		13558 Apr 29 19:29	30° <b>₹</b> 8	
min. Earth dist.	13557 May 20 19:47	9° <b>Ⅲ</b> 37'42	0.68906 AU	evening set	13558 Apr 30 01:42	29° <b>8</b> 46'57	
morning rise	13557 May 26 09:52	2° <b>Ⅱ</b> 56'37		min. Earth dist.	13558 May 04 15:42	24° <b>8</b> 31'13	0.68500 AU
direct	13557 May 30 20:02	1° <b>Ⅱ</b> 08'41		inferior conj	13558 May 05 13:44	23° <b>8</b> 17'03	2°20'03
morning max el	13557 Jun 08 10:29	6° <b>Ⅱ</b> 05'59	21°11'44	minimum elong	13558 May 05 11:37	23° <b>8</b> 24'13	2°18'44
desc. node	13557 Jun 12 09:04	10° <b>Ⅲ</b> 27′26		morning rise	13558 May 10 21:39	17° <b>8</b> 16'51	
	13557 Jun 26 15:57	0ంతె		direct	13558 May 14 19:24	15° <b>8</b> 49'45	
morning set	13557 Jul 09 09:41	19° <b>5</b> 21'21		morning max el	13558 May 22 09:09	20° <b>8</b> 03'50	19°58'44
	13557 Jul 16 01:42	$0^{\circ}\Omega$		desc. node	13558 May 30 06:00	29° <b>8</b> 34'10	
max. Earth dist.	13557 Jul 16 13:51	0° <b>Ω</b> 49'26	1.42791 AU		13558 May 30 13:34	$\Pi^{\circ}0$	
				morning set	13558 Jun 18 12:51	28° <b>Ⅱ</b> 04'35	
superior conj	13557 Jul 23 19:21	12° <b>Q</b> 52'50	-1°42'17		13558 Jun 19 18:50	$0$ $\circ$ $\odot$	
minimum elong	13557 Jul 24 02:32	13° <b>Ω</b> 23′26	1°42'21	max. Earth dist.	13558 Jun 29 01:08	14° <b>©</b> 29'35	1.44470 AU
	13557 Aug 02 13:37	0° <b>™</b>					
evening rise	13557 Aug 04 08:21	3°m/11'52		superior conj	13558 Jul 04 10:06	23° <b>©</b> 07'33	-2°05'51
asc. node	13557 Aug 06 06:36	6° Mp 39'30		minimum elong	13558 Jul 04 15:46	23° <b>©</b> 30'34	2°06'33
evening max el	13557 Aug 20 16:01	28°M)48'58	18°04'40		13558 Jul 08 14:43	$0^{\circ}\Omega$	
	13557 Aug 21 23:22	0∘ <b>⊽</b>		evening rise	13558 Jul 17 16:40	15° <b>Ω</b> 18′12	
retrograde	13557 Aug 27 10:35	2° <b>♀</b> 17'23		asc. node	13558 Jul 24 03:18	26° <b>Ω</b> 15′05	
evening set	13557 Aug 29 19:22	1° <b>≏</b> 52'06			13558 Jul 26 09:55	0° <b>™</b>	
	13557 Sep 02 03:23	30°R, Mp		evening max el	13558 Aug 04 06:14	12°Mp08'12	18°05'26
inferior conj	13557 Sep 05 16:41	26° <b>m</b> 55'45	0°46'36	retrograde	13558 Aug 10 15:46	15° <b>m</b> 28'38	
minimum elong	13557 Sep 05 18:06	26° Mp 52'26	0°45'55	evening set	13558 Aug 13 08:49	14° <b>m</b> 51'01	
desc. node	13557 Sep 08 06:16	24° Mp 31'00		inferior conj	13558 Aug 19 15:19	9° Mp 36'32	1°50'32
min. Earth dist.	13557 Sep 08 21:19	23° <b>m</b> 56'54	0.60472 AU	minimum elong	13558 Aug 19 17:47	9° <b>₯</b> 29'58	1°49'19
morning rise	13557 Sep 12 13:47	21°Mp04'43		min. Earth dist.	13558 Aug 22 10:20	6° <b>™</b> 38'45	0.62734 AU
direct	13557 Sep 19 03:37	18° <b>m</b> 57'50		morning rise	13558 Aug 26 00:35	3°M 25'46	
morning max el	13557 Oct 03 10:30	26° Mp 51'45	27°53'46	desc. node	13558 Aug 26 03:48	3° <b>m</b> 19'55	
	13557 Oct 06 09:58	0∘ <b>⊽</b>		direct	13558 Sep 01 16:48	0° Mp 58′25	
	13557 Oct 26 19:16	$0^{\circ}$ M		morning max el	13558 Sep 15 18:03	9° <b>™</b> 00′12	27°53'59
asc. node	13557 Nov 02 08:38	12°M28'20			13558 Oct 02 00:55	0∘ <b>⊽</b>	
morning set	13557 Nov 05 03:26	18° <b>™</b> 10′24			13558 Oct 19 01:02	$0^{\circ}$ M	
	13557 Nov 10 15:05	0° <b>∡</b> ¹		morning set	13558 Oct 20 01:17	2°M02'14	
max. Earth dist.	13557 Nov 11 03:04	1° <b>∡</b> ¹06′11	1.31324 AU	asc. node	13558 Oct 20 05:19	2°M22'42	
				max. Earth dist.	13558 Oct 25 06:20	12°M57'09	1.31966 AU
superior conj	13557 Nov 12 07:40	3° <b>∡</b> ¹44'59	1°22'21				
minimum elong	13557 Nov 12 05:39	3° <b>₹</b> 33'48	1°23'00	superior conj	13558 Oct 27 16:19	18°M12'06	1°06'00
evening rise	13557 Nov 19 00:24	18° <b>∡</b> ³32'30		minimum elong	13558 Oct 27 14:02	17° <b>M</b> 59'37	1°06'21
	13557 Nov 24 13:10	0°ಕ			13558 Nov 02 01:15	0° <b>∡</b>	
desc. node	13557 Dec 05 03:05	18° <b>る</b> 26'39		evening rise	13558 Nov 03 11:22	3° <b>∡</b> °05′01	
	13557 Dec 14 01:08	0° <b>≈</b>			13558 Nov 17 18:43	8°0	
evening max el	13557 Dec 16 09:25	2° <b>≈</b> 22'33	25°36'16	desc. node	13558 Nov 22 00:15	6° <b>る</b> 00'32	
retrograde	13557 Dec 30 06:39	9° <b>≈</b> 22'35		evening max el	13558 Nov 27 20:51	12° <b>る</b> 39'13	24°00'59
evening set	13558 Jan 05 06:41	7° <b>≈</b> 59'36		retrograde	13558 Dec 11 11:02	19° <b>る</b> 25'23	

evening set	13558 Dec 16 08:23	18° <b>る</b> 33'10		inferior conj	13559 Dec 04 05:56	24° <b>₹</b> ³38'05	
min. Earth dist.	13558 Dec 22 08:03		0.55642 AU	minimum elong	13559 Dec 04 02:46	24° <b>∡</b> ¹42'33	5°52'32
inferior conj	13558 Dec 24 09:03	14° <b>る</b> 22'02		morning rise	13559 Dec 12 15:50	20° <b>х</b> 50′46	
minimum elong	13558 Dec 24 14:25	14°る13'54	5°42'29	direct	13559 Dec 16 00:14	20° <b>∡</b> 25'33	
morning rise	13559 Jan 01 22:20	10° <b>る</b> 24'53		morning max el	13559 Dec 27 22:44	26° <b>∡</b> ′08′13	21°29'45
direct	13559 Jan 04 11:39	10° <b>る</b> 08'14			13559 Dec 31 12:22	0°₹	
morning max el	13559 Jan 14 21:21	15° <b>る</b> 07'44	20°01'23	asc. node	13560 Jan 03 02:21	3° <b>る</b> 22'24	
asc. node	13559 Jan 16 05:07	16° <b>る</b> 28'49		morning set	13560 Jan 17 06:00	28° <b>る</b> 56'58	
	13559 Jan 25 12:13	0° <b>≈</b>			13560 Jan 17 18:02	0° <b>≈</b>	
morning set	13559 Feb 01 20:31	14° <b>≈</b> 13′27					
_				superior conj	13560 Jan 24 11:16	14° <b>≈</b> 09'35	1°22'27
superior conj	13559 Feb 09 14:19	29° <b>≈</b> 58'39	1°04'42	minimum elong	13560 Jan 24 13:32	14° <b>≈</b> 21'27	1°23'01
minimum elong	13559 Feb 09 17:04	0° <b>¥</b> 12'23	1°04'56	max. Earth dist.	13560 Jan 28 22:23	23° <b>≈</b> 16′22	1.34952 AU
Č	13559 Feb 09 14:35	0° <b>)</b> €			13560 Feb 01 09:02	0° <b>)</b> €	
max. Earth dist.	13559 Feb 15 11:23	11° <b>)</b> 23'18	1.36975 AU	evening rise	13560 Feb 02 01:44	1° <b>¥</b> 19'22	
desc. node	13559 Feb 18 00:36	16° <b>)</b> 06'48	1.505 / 6 110	desc. node	13560 Feb 04 21:12	6° <b>)</b> 32'46	
evening rise	13559 Feb 19 05:24	18° <b>)</b> 17'13		desc. node	13560 Feb 19 01:17	0° <b>Υ</b>	
evening rise	13559 Feb 26 00:09	0°Υ		evening max el	13560 Mar 08 07:18	23° <b>Υ</b> '03'12	26038137
	13559 Mar 18 12:18	0°8		evening max cr	13560 Mar 18 13:21	0° <b>8</b>	20 3837
avanina may al	13559 Mar 26 17:26	9° <b>8</b> 16'27	25°36'47	retrograde	13560 Mar 21 09:44	0° <b>8</b> 26'14	
evening max el		_	23 3047	retrograde			
retrograde	13559 Apr 08 02:35	16° <b>8</b> 24'55			13560 Mar 24 02:39	30°₹ <b>Υ</b>	
evening set	13559 Apr 14 01:39	13° <b>8</b> 57'12		evening set	13560 Mar 27 19:09	27° <b>Y</b> ′54'16	
asc. node	13559 Apr 14 01:44	13° <b>8</b> 57'01		asc. node	13560 Mar 30 23:12	24° <b>Y</b> ′49'07	
min. Earth dist.	13559 Apr 18 08:38	9° <b>8</b> 16'58	0.67647 AU	min. Earth dist.	13560 Mar 31 20:24	23° <b>Y</b> 48'30	0.66377 AU
inferior conj	13559 Apr 19 19:05	7° <b>8</b> 26'45	1°42'01	inferior conj	13560 Apr 02 19:12	21° <b>Y</b> ′29'13	0°53'03
minimum elong	13559 Apr 19 17:03	7° <b>8</b> 33'17	1°40'48	minimum elong	13560 Apr 02 17:53	21° <b>Y</b> 33'08	0°52'16
morning rise	13559 Apr 25 08:58	1° <b>8</b> 35'54		morning rise	13560 Apr 08 17:43	15° <b>Ƴ</b> 49'28	
direct	13559 Apr 28 19:15	0° <b>8</b> 28'30		direct	13560 Apr 11 17:37	14° <b>Ƴ</b> 59'30	
morning max el	13559 May 05 15:18	4° <b>8</b> 11'09	19°00'29	morning max el	13560 Apr 18 03:49	18° <b>Ƴ</b> 23'23	18°18'40
desc. node	13559 May 17 02:50	19° <b>8</b> 11'41			13560 Apr 27 01:40	$9^{\circ}$ 8	
greatest brilliancy	13559 May 18 21:03	21° <b>8</b> 49'45	-0.7m	desc. node	13560 May 02 23:32	9° <b>8</b> 11'39	
	13559 May 24 05:35	$\Pi^{\circ}0$		morning set	13560 May 07 22:36	17° <b>8</b> 05'22	
morning set	13559 May 28 18:41	7° <b>Ⅲ</b> 01'09			13560 May 16 01:58	$\Pi^{\circ}0$	
max. Earth dist.	13559 Jun 11 17:42	28° <b>Ⅱ</b> 44'04	1.45523 AU				
	13559 Jun 12 13:04	$0$ $\circ$ $\odot$		superior conj	13560 May 23 11:31	11° <b>Ⅲ</b> 36′32	-2°01'01
				minimum elong	13560 May 23 03:48	11° <b>Ⅱ</b> 06′23	2°01'29
superior conj	13559 Jun 14 03:38	2° <b>5</b> 31'26	-2°13'29	max. Earth dist.	13560 May 24 13:35	13° <b>Ⅱ</b> 18'19	1.45848 AU
minimum elong	13559 Jun 14 02:49	2° <b>©</b> 28'14	2°14'32		13560 Jun 04 06:28	$0$ $\circ$ $\odot$	
evening rise	13559 Jun 29 01:58	26° <b>©</b> 24'49		evening rise	13560 Jun 08 10:55	6° <b>ॐ</b> 32'21	
C	13559 Jul 01 06:51	$0^{\circ}\Omega$		greatest brilliancy	13560 Jun 18 20:22	22° <b>©</b> 41'54	-0.8m
asc. node	13559 Jul 11 00:05	15° <b>Ω</b> 30'33		· ·	13560 Jun 23 18:00	$0^{\circ}\Omega$	
evening max el	13559 Jul 18 20:02	25° <b>Ω</b> 43'46	18°24'18	asc. node	13560 Jun 26 20:59	4° <b>Ω</b> 18'54	
retrograde	13559 Jul 25 05:57	29° <b>Ω</b> 09'41		evening max el	13560 Jul 01 06:40	9°Ω28'41	19°00'28
evening set	13559 Jul 28 07:39	28°Ω17'15		retrograde	13560 Jul 08 01:40	13° <b>Ω</b> 13'19	1, 00 20
inferior conj	13559 Aug 03 03:03	22°Ω46'32	2°33'50	evening set	13560 Jul 11 12:23	12° <b>Ω</b> 04'34	
minimum elong	13559 Aug 03 05:20	22° <b>Ω</b> 39'47	2°32'36	inferior conj	13560 Jul 17 00:15	6°Ω19'03	2°59'43
min. Earth dist.	13559 Aug 05 08:40	20°Ω08'41	0.64796 AU	minimum elong	13560 Jul 17 00:13	6°Ω14'18	2°58'38
morning rise	13559 Aug 09 01:42	16° <b>Ω</b> 25'36	0.04770 AC	min. Earth dist.	13560 Jul 18 15:15	4°Ω14'42	0.66507 AU
desc. node	13559 Aug 13 01:18	14°Ω10'26		morning rise	13560 Jul 22 14:23	29° <b>©</b> 54'53	0.00307 AC
direct	13559 Aug 15 01:18 13559 Aug 15 14:38	13°Ω47'05		morning risc	13560 Jul 22 12:03	29 <b>3</b> 0° <b>₹</b> 95	
	•	13 <b>δ</b> (4/03 21° <b>Ω</b> 44'23	27910105	direct	13560 Jul 28 19:33	30 k≌ 27°€15'12	
morning max el	13559 Aug 29 04:28		27 1903	direct			
	13559 Sep 05 09:37	0° <b>m</b> )		desc. node	13560 Jul 29 22:44	27°©19'55	
	13559 Sep 25 05:38	0∘ <b>ʊ</b>			13560 Aug 05 00:05	0°N	0.001.014.5
morning set	13559 Oct 03 13:59	15° <b>≏</b> 25'57		morning max el	13560 Aug 10 15:33	4° <b>£</b> 53'42	26°16'45
asc. node	13559 Oct 07 01:55	22° <b>≏</b> 24'57			13560 Aug 29 21:18	0° <b>m</b> )	
max. Earth dist.	13559 Oct 08 01:31	24° <b>Ω</b> 25'53	1.33153 AU	morning set	13560 Sep 15 14:17	28° <b>m</b> 14'08	
	13559 Oct 10 17:31	0° <b>M</b>			13560 Sep 16 12:52	0∘ <b>ত</b>	
				max. Earth dist.	13560 Sep 19 10:53	5° <b>ഫ</b> 35'50	1.34858 AU
superior conj	13559 Oct 11 20:22	2°M22'28	0°44'03	asc. node	13560 Sep 22 22:31	12° <b>≏</b> 31'19	
minimum elong	13559 Oct 11 18:24	2°M11'57	0°44'09				
evening rise	13559 Oct 18 22:14	17° <b>M</b> 34'52		superior conj	13560 Sep 24 17:25	16° <b>≏</b> 10′00	0°16'48
	13559 Oct 25 00:08	0° <b>≯</b>		minimum elong	13560 Sep 24 16:30	16° <b>≙</b> 05'14	0°16'49
desc. node	13559 Nov 08 21:31	22° <b>∡</b> 14'50			13560 Oct 01 08:37	$0^{\circ}$ M	
evening max el	13559 Nov 09 07:44	22° <b>∡</b> ¹40′09	22°18'55	evening rise	13560 Oct 02 07:06	1°M57'20	
retrograde	13559 Nov 22 02:50	29° <b>₹</b> 00'42			13560 Oct 18 09:33	0° <b>∡</b> ¹	
evening set	13559 Nov 25 14:51	28° <b>∡</b> ³33'45		evening max el	13560 Oct 21 03:23	3° <b>∡</b> ¹02'02	20°46'33
min. Earth dist.	13559 Dec 03 14:37	24° <b>₹</b> ′59'37	0.54666 AU	desc. node	13560 Oct 25 18:52	6° <b>∡</b> ′43′18	

retrograde	13560 Nov 01 13:17	8° <b>∡</b> ¹42'22		asc. node	13561 Sep 09 19:04	2° <b>≏</b> 37'51	
evening set	13560 Nov 03 22:10	8° <b>∡</b> 728'46		evening rise	13561 Sep 16 11:39	16° <b>≏</b> 06'15	
inferior conj	13560 Nov 12 21:22	4° <b>≯</b> ³34'40	-5°03'27		13561 Sep 23 16:09	0° <b>M</b> ₊	
minimum elong	13560 Nov 12 11:44	4° <b>≯</b> ¹48'26	5°00'21	evening max el	13561 Oct 03 13:01	14° <b>M</b> 08'54	19°33'39
min. Earth dist.	13560 Nov 13 20:49	4° <b>₰</b> 01'07	0.54583 AU	desc. node	13561 Oct 12 16:16	19° <b>™</b> 00'36	
morning rise	13560 Nov 21 01:23	0° <b>∡</b> ³39'39		retrograde	13561 Oct 13 07:23	19° <b>™</b> 01'46	
direct	13560 Nov 25 08:12	0° <b>≯</b> 00′20		evening set	13561 Oct 15 04:32	18° <b>M</b> ե51'42	
morning max el	13560 Dec 08 12:12	6° <b>∡</b> ¹23'17	23°15'01	inferior conj	13561 Oct 23 22:05	14°M46'37	-3°27'57
asc. node	13560 Dec 19 23:28	21° <b>∡</b> 13'54		minimum elong	13561 Oct 23 13:21	15° <b>M</b> ₊00'30	3°24'14
	13560 Dec 24 22:57	0°ಕ		min. Earth dist.	13561 Oct 26 06:04	13° <b>M</b> 17'43	0.55423 AU
morning set	13560 Dec 31 17:34	13°₹42'57		morning rise	13561 Oct 31 20:13	10°M23'48	
morning sec	13500 200 31 17.5	15 0 .207		direct	13561 Nov 05 23:46	9°M24'38	
superior conj	13561 Jan 07 15:19	28° <b>⋜</b> 38'26	1°33'25	morning max el	13561 Nov 19 22:02	16°M22'31	25°03'04
	13561 Jan 07 16:40		1°34'17	morning max ci	13561 Nov 30 21:56	0° <b>x</b> <sup>7</sup>	23 03 04
minimum elong		28 <b>○</b> 43 43 0° <b>≈</b>	1 341/	1-		0 <b>x</b> . 9° <b>x</b> 749'18	
F 4 F 4	13561 Jan 08 06:30		1 22204 ATT	asc. node	13561 Dec 06 20:28		
max. Earth dist.	13561 Jan 10 16:52	5°≈09'58	1.33294 AU	morning set	13561 Dec 16 05:24	28° <b>₹</b> 26'21	
evening rise	13561 Jan 15 11:04	14° <b>≈</b> 53'24			13561 Dec 16 22:46	0°₹	
desc. node	13561 Jan 21 17:50	26° <b>≈</b> 47'04				_	
	13561 Jan 23 13:12	0° <b>∀</b>		superior conj	13561 Dec 22 23:59	13° <b>る</b> 18'10	1°38'00
	13561 Feb 12 19:14	$0^{\circ}\mathbf{\Upsilon}$		minimum elong	13561 Dec 23 00:15	13° <b>る</b> 19'36	1°39'01
evening max el	13561 Feb 18 20:41	6° <b>Ƴ</b> 33'50	27°19'50	max. Earth dist.	13561 Dec 24 18:41	17° <b>る</b> 12'19	1.32086 AU
retrograde	13561 Mar 04 10:31	14° <b>Ƴ</b> 01′08		evening rise	13561 Dec 30 06:18	28° <b>る</b> 51'44	
evening set	13561 Mar 11 04:03	11° <b>Y</b> 30'43			13561 Dec 30 19:37	0° <b>≈</b>	
min. Earth dist.	13561 Mar 15 00:46	7° <b>Ƴ</b> 57'18	0.64733 AU	desc. node	13562 Jan 08 14:34	16° <b>≈</b> 44'18	
inferior conj	13561 Mar 17 11:32	5° <b>Ƴ</b> 17'49	-0°07'22		13562 Jan 16 16:38	0° <b>∀</b>	
minimum elong	13561 Mar 17 11:45	5° <b>Ƴ</b> 17'14	0°07'15	evening max el	13562 Feb 01 07:53	19° <b>¥</b> 36'30	27°33'40
transit middle	13561 Mar 17 11:45	5° <b>Υ</b> 17'14	0°07'15	retrograde	13562 Feb 15 04:13	27° <b>\</b> 00'50	2, 33 .0
transit begin	13561 Mar 17 09:02	5° <b>Υ</b> 24'40	0 07 15	evening set	13562 Feb 22 01:56	24° <b>)</b> 39'11	
transit end	13561 Mar 17 14:29	5° <b>Υ</b> '09'48		min. Earth dist.	13562 Feb 25 20:01	21° <b>)</b> 33'48	0.62781 AU
		4° <b>Υ</b> 52'59				18° <b>)</b> 45'45	
asc. node	13561 Mar 17 20:41			inferior conj	13562 Feb 28 17:13		
morning rise	13561 Mar 23 21:18	29° <b>¥</b> 51'38		minimum elong	13562 Feb 28 19:52	18° <b>)</b> (39'19	1°1/32
	13561 Mar 23 14:13	30° <b>₹</b>		asc. node	13562 Mar 04 18:08	15° <b>)</b> 12′27	
direct	13561 Mar 26 12:07	29° <b>∺</b> 16′00		morning rise	13562 Mar 07 16:26	13° <b>)</b> 35′51	
	13561 Mar 29 10:14	0° <b>Υ</b>		direct	13562 Mar 09 23:43	13° <b>)</b> 11′04	
morning max el	13561 Apr 01 20:23	2° <b>Y</b> 33'08	17°53'49	morning max el	13562 Mar 16 14:09	16° <b>)</b> 32′42	17°46'23
morning set	13561 Apr 19 06:49	28° <b>Ƴ</b> 31'54			13562 Mar 26 04:30	$0^{\circ}$ Y	
desc. node	13561 Apr 19 20:08	29° <b>Ƴ</b> 27'15		morning set	13562 Apr 01 15:51	11° <b>Y</b> 09'17	
	13561 Apr 20 04:01	$_{0\circ}$ 8		desc. node	13562 Apr 06 16:41	19° <b>Ƴ</b> 53'56	
					13562 Apr 12 15:37	0°8	
superior conj	13561 May 03 03:11	21° <b>8</b> 08'09	-1°31'15				
minimum elong	13561 May 02 18:25	20° <b>8</b> 33'12	1°31'01	superior conj	13562 Apr 13 15:45	1° <b>8</b> 40'25	-0°52'30
max. Earth dist.	13561 May 07 09:48		1.45423 AU	minimum elong	13562 Apr 13 10:32	1° <b>8</b> 18'48	
man. Darm dist.	13561 May 08 17:51	0°II	1.10.25110	max. Earth dist.	13562 Apr 20 03:28	12° <b>8</b> 14'44	1.44300 AU
evening rise	13561 May 19 02:00	16° <b>Ⅱ</b> 00'35		evening rise	13562 Apr 28 13:49	25° <b>8</b> 28'46	1.44500710
evening rise	13561 May 28 07:04	0°ಅ		evening rise	13562 May 01 12:39	0°Ⅱ	
4 41 311	•		0.6		•		
greatest brilliancy	13561 Jun 02 17:27	8°502'37	-0.6m		13562 May 22 09:25	0°©	20050140
asc. node	13561 Jun 13 17:59	22°529'53	10050140	evening max el	13562 May 28 11:34	7° <b>©</b> 05'04	20°58'48
evening max el	13561 Jun 14 12:05	23°916'35	19°52'42	asc. node	13562 May 31 15:03	9° <b>©</b> 51'28	
retrograde	13561 Jun 22 00:06	27° <b>©</b> 32'07		retrograde	13562 Jun 05 23:03	12° <b>©</b> 00'41	
evening set	13561 Jun 25 20:22	26°906'28		evening set	13562 Jun 10 05:32	10° <b>©</b> 18'25	
inferior conj	13561 Jul 01 03:53	20° <b>©</b> 07'34	3°11'15	inferior conj	13562 Jun 15 11:28	4° <b>©</b> 07'45	3°10'35
minimum elong	13561 Jul 01 04:21	20° <b>ട്ട</b> 06'00	3°10'14	minimum elong	13562 Jun 15 10:56	4° <b>©</b> 09'36	3°09'31
min. Earth dist.	13561 Jul 02 04:30	18° <b>5</b> 44'38	0.67782 AU	min. Earth dist.	13562 Jun 15 22:25	3°529'46	0.68590 AU
morning rise	13561 Jul 06 11:58	13° <b>©</b> 44'41			13562 Jun 18 14:15	30° <b>Ŗ</b> Ⅱ	
direct	13561 Jul 12 06:24	11° <b>©</b> 12'30		morning rise	13562 Jun 20 16:07	27° <b>Ⅱ</b> 49'01	
desc. node	13561 Jul 16 20:03	12° <b>©</b> 29'45		direct	13562 Jun 25 22:19	25° <b>Ⅱ</b> 30′52	
morning max el	13561 Jul 24 02:08	18° <b>©</b> 17'36	24°56'14	desc. node	13562 Jul 03 17:17	29° <b>Ⅱ</b> 13'18	
<i>3</i> -2-2-	13561 Aug 02 22:42	0°Ω	-		13562 Jul 04 14:43	0.2 21210	
	13561 Aug 22 22:27	0° <b>m</b> )		morning max el	13562 Jul 06 12:40	1° <b>9</b> 49'59	23°27'16
morning set	-			morning max cr	13562 Jul 27 22:01	0°Ω	25 27 10
morning set	13561 Aug 28 22:10	10° Mp 17'01	1 26072 411				
max. Earth dist.	13561 Sep 01 11:57	16° Mp 44'04	1.36973 AU	morning set	13562 Aug 10 09:01	21°Ω23'30	1.20204 : **
	105010 00000	200=========	001.41-0	max. Earth dist.	13562 Aug 14 09:43	28° <b>Ω</b> 16'49	1.39306 AU
superior conj	13561 Sep 08 04:22	29° <b>m</b> 26'51			13562 Aug 15 09:19	0° <b>m</b> )	
minimum elong	13561 Sep 08 05:21	29° <b>m</b> 31'38	0°14'55				
behind sun begin	13561 Sep 08 02:50	29° <b>m</b> 19'17		superior conj	13562 Aug 22 01:28	12° <b>m</b> 04'09	
behind sun end	13561 Sep 08 07:52	29° <b>m</b> 43'59		minimum elong	13562 Aug 22 05:05	12° <b>m</b> 21'00	0°49'29
	13561 Sep 08 11:07	0∘ <b>⊽</b>		asc. node	13562 Aug 27 15:37	22° <b>m</b> 40'55	

evening rise	13562 Aug 31 09:04	29° <b>m</b> 54'10		superior conj	13563 Aug 04 04:22	23° <b>Q</b> 52'21	-1°24'16
	13562 Aug 31 10:17	0∘ <b>⊽</b>		minimum elong	13563 Aug 04 10:39	24° <b>Ω</b> 20′03	1°24'07
evening max el	13562 Sep 16 11:47	26° <b>₽</b> 04'22	18°42'42		13563 Aug 07 14:56	0° m)	
	13562 Sep 22 18:43	0°M		evening rise	13563 Aug 14 19:46	13° TQ 11'56	
retrograde	13562 Sep 24 18:19 13562 Sep 26 16:15	0°M14'08 0°M01'33		asc. node	13563 Aug 14 12:12	12°Mp36'59 0°₽	
evening set	13562 Sep 26 19:03	0 11601 33 30°R <u>Ω</u>		evening max el	13563 Aug 24 07:08 13563 Aug 30 19:52	0 <u></u> 8° <b>-</b> 240'58	18°12'55
desc. node	13562 Sep 29 13:46	28° <b>₽</b> 58'58		retrograde	13563 Sep 07 00:15	12° <b>£</b> 20'02	18 12 33
inferior conj	13562 Oct 04 18:07	25° <b>⊆</b> 37'59	-1°38'41	evening set	13563 Sep 09 04:37	12° <b>⊆</b> 00'25	
minimum elong	13562 Oct 04 14:03	25° <b>₽</b> 45'30	1°36'42	inferior conj	13563 Sep 16 11:58	7° <b>₽</b> 15'56	-0°00'30
min. Earth dist.	13562 Oct 07 20:55	23° <b>ჲ</b> 20′22	0.57045 AU	minimum elong	13563 Sep 16 11:57	7° <b>≙</b> 15'58	0°00'29
morning rise	13562 Oct 12 08:28	20° <b>≏</b> 37'47		transit middle	13563 Sep 16 11:57	7° <b>≏</b> 15'58	0°00'29
direct	13562 Oct 18 05:47	19° <b>≙</b> 12'48		transit begin	13563 Sep 16 08:31	7° <b>≙</b> 23'21	
morning max el	13562 Nov 01 12:00	26° <b>≏</b> 38'37	26°35'06	transit end	13563 Sep 16 15:23	7° <b>ჲ</b> 08'33	
	13562 Nov 04 17:12	0° <b>M</b>		desc. node	13563 Sep 16 11:19	7° <b>≏</b> 17'19	
asc. node	13562 Nov 23 17:21	28°M56'40		min. Earth dist.	13563 Sep 19 19:14	4° <b>≏</b> 26'01	0.59160 AU
	13562 Nov 24 06:34	0° <b>∡</b> ¹		morning rise	13563 Sep 23 15:52	1° <b>2</b> 41'16	
morning set	13562 Nov 30 15:42	13° <b>∡</b> ′01′16		4:4	13563 Sep 28 00:51	30° ሺ ሺን 29° ሺን 48'39	
superior conj	13562 Dec 07 11:03	28° <b>∡</b> '01'18	1°36'31	direct	13563 Sep 30 01:45 13563 Oct 02 03:24	0° <b>⊽</b>	
minimum elong	13562 Dec 07 10:16	27° <b>x</b> 56'52	1°37'31	morning max el	13563 Oct 14 09:21	0 <b>==</b> 7° <b>£</b> 34'14	27°35'55
max. Earth dist.	13562 Dec 08 01:21	29°×7'20'56	1.31380 AU	morning max ci	13563 Oct 31 08:26	0°M	21 33 33
man. Darm dist.	13562 Dec 08 08:22	0°ਰ	1.51500110	asc. node	13563 Nov 10 14:09	18°M27'35	
evening rise	13562 Dec 14 08:39	13° <b>පි</b> 06'35		morning set	13563 Nov 14 22:45	27°M23'27	
C	13562 Dec 22 21:58	0° <b>≈</b>		C	13563 Nov 16 04:07	0° <b>∡</b> ⊓	
desc. node	13562 Dec 26 11:24	6° <b>≈</b> 16'21					
	13563 Jan 12 15:03	0° <b>∀</b>		superior conj	13563 Nov 21 22:40	12° <b>∡</b> ⁴42'37	1°29'11
evening max el	13563 Jan 14 14:30	1° <b>¥</b> 58′03	27°14'50	minimum elong	13563 Nov 21 21:01	12° <b>₹</b> 33'22	1°30'00
retrograde	13563 Jan 28 13:44	9° <b>)</b> 14'33		max. Earth dist.	13563 Nov 21 09:43	11° <b>∡</b> ³30′17	1.31196 AU
evening set	13563 Feb 04 09:36	7° <b>∺</b> 10′10		evening rise	13563 Nov 28 15:57	27° <b>∡</b> ³32'41	
min. Earth dist.	13563 Feb 08 05:03	4° <b>¥</b> 25′02	0.60630 AU	1 1	13563 Nov 29 19:36	0°る	
inferior conj	13563 Feb 11 08:47	1° <b>)</b> 43′13 1° <b>)</b> 30′56		desc. node	13563 Dec 13 08:23	25°る13'41 0°≈	
minimum elong	13563 Feb 11 14:31 13563 Feb 13 10:26	1°π30'30 30°R≈	2-30-31	evening max el	13563 Dec 16 11:23 13563 Dec 27 14:14	0°≈ 13°≈29'44	26021110
morning rise	13563 Feb 18 22:34	26°≈52'24		retrograde	13564 Jan 10 13:14	20°≈35'30	20 21 10
asc. node	13563 Feb 19 15:34	26°≈42'33		evening set	13564 Jan 16 23:12	18°≈56'09	
direct	13563 Feb 21 00:39	26° <b>≈</b> 34'47		min. Earth dist.	13564 Jan 21 03:49	16° <b>≈</b> 19'33	0.58469 AU
morning max el	13563 Feb 28 05:40	0° <b>)</b> 11′28	17°57'16	inferior conj	13564 Jan 24 06:38	14° <b>≈</b> 00'42	-4°03'08
-	13563 Feb 28 00:55	0° <b>)</b>		minimum elong	13564 Jan 24 15:02	13° <b>≈</b> 45′04	3°59'41
morning set	13563 Mar 15 19:31	24° <b>¥</b> 38′16		morning rise	13564 Feb 01 09:50	9° <b>≈</b> 31'04	
	13563 Mar 18 17:48	$0^{\circ}$ Y		direct	13564 Feb 03 10:47	9° <b>≈</b> 16'56	
desc. node	13563 Mar 24 13:11	10° <b>Y</b> 27′02		asc. node	13564 Feb 06 12:59	9° <b>≈</b> 51'11	
				morning max el	13564 Feb 11 15:08	13°≈18'44	18°28'02
superior conj	13563 Mar 26 04:27	13° <b>Y</b> 19'33			13564 Feb 22 21:28	0° <b>)</b> {	
minimum elong	13563 Mar 26 03:20	13° <b>Y</b> 14'37 12° <b>Y</b> 53'37	0°12'55	morning set	13564 Feb 27 12:18	8° <b>¥</b> 42'31	
behind sun begin behind sun end	13563 Mar 25 22:31 13563 Mar 26 08:08	12°° <b>Y</b> 35'37		superior conj	13564 Mar 07 14:35	25° <b>¥</b> 57'19	0°22'24
max. Earth dist.	13563 Apr 02 16:39	26° <b>Y</b> 04'36	1.42600 AU	minimum elong	13564 Mar 07 16:08	26°\(\frac{1}{26}\)	0°22'20
max. Bartii dist.	13563 Apr 05 02:12	0°8	1.12000710	minimum crong	13564 Mar 09 19:42	0°Υ	0 22 20
evening rise	13563 Apr 08 13:26	5° <b>8</b> 33'38		desc. node	13564 Mar 10 09:40	1° <b>Y</b> 03'01	
S	13563 Apr 24 19:05	$\Pi^{\circ}0$		max. Earth dist.	13564 Mar 15 01:39	9° <b>Ƴ</b> 16'07	1.40507 AU
evening max el	13563 May 11 05:52	20° <b>Ⅲ</b> 54′29	22°14'59	evening rise	13564 Mar 19 09:03	16° <b>Ƴ</b> 32'51	
asc. node	13563 May 18 12:14	26° <b>Ⅱ</b> 08'34			13564 Mar 27 19:20	0°8	
retrograde	13563 May 20 20:43	26° <b>Ⅲ</b> 33'55			13564 Apr 18 11:46	$\Pi$ °0	
evening set	13563 May 25 14:09	24° <b>Ⅱ</b> 36′03		evening max el	13564 Apr 22 20:54	4° <b>Ⅱ</b> 46'07	23°35'50
inferior conj	13563 May 30 20:56	18° <b>Ⅱ</b> 15'41	2°59'03	retrograde	13564 May 03 15:38	11° <b>Ⅱ</b> 06'33	
minimum elong	13563 May 30 19:33	18° <b>Ⅱ</b> 20'31	2°57'52	asc. node	13564 May 04 09:31	11° <b>Ⅱ</b> 04'02	
min. Earth dist.	13563 May 30 18:51	18° <b>Ⅲ</b> 22'58 12° <b>Ⅲ</b> 03'05	0.68922 AU	evening set	13564 May 08 20:39	8°Ⅲ54'43 3°Ⅲ18'07	0.60700 411
morning rise direct	13563 Jun 05 00:46 13563 Jun 09 18:14	12°Щ03'05 10°Щ03'17		min. Earth dist. inferior conj	13564 May 13 15:32 13564 May 14 06:17	3°Щ18'07 2°Щ27'28	0.68789 AU 2°37'15
morning max el	13563 Jun 19 01:30	10°Щ03°17 15°Щ30'04	21°59'03	minimum elong	13564 May 14 06:17	2° <b>Ц</b> 2/28 2° <b>Ц</b> 34'13	2°35'56
desc. node	13563 Jun 20 14:25	17° <b>I</b> I06'31	21 3703	mmmum ciong	13564 May 16 02:17	30°R <b>8</b>	2 33 30
	13563 Jun 30 20:05	0°95		morning rise	13564 May 19 11:57	26° <b>8</b> 22'24	
	13563 Jul 20 21:57	0°N		direct	13564 May 23 16:50	24° <b>8</b> 43'06	
morning set	13563 Jul 21 19:08	1° <b>Ω</b> 24'40		morning max el	13564 May 31 19:51	29° <b>8</b> 20'36	20°38'59
max. Earth dist.	13563 Jul 27 10:30	10° <b>Ω</b> 37'13	1.41597 AU		13564 Jun 01 11:23	$\Pi^{\circ}0$	
				desc. node	13564 Jun 06 11:25	5° <b>Ⅱ</b> 50′29	

morning set	13564 Jun 23 10:27 13564 Jun 30 06:11	0°ତ 10° <b>©</b> 26'04		morning set	13565 May 27 16:01 13565 Jun 09 07:47	0°Ⅱ 19°Ⅱ07'56	
max. Earth dist.	13564 Jul 08 18:16	23°952'01	1.43574 AU	8.11	13565 Jun 16 08:24	0ಂತಾ	
	13564 Jul 12 12:45	$0^{\circ}\Omega$		max. Earth dist.	13565 Jun 21 08:42	7° <b>©</b> 51'22	1.45009 AU
superior conj	13564 Jul 15 08:53	4° <b>Ω</b> 41'56	-1°53'47	superior conj	13565 Jun 25 13:49	14° <b>©</b> 32'48	-2°11'24
minimum elong	13564 Jul 15 16:00	5° <b>Ω</b> 11'39	1°54'06	minimum elong	13565 Jun 25 17:15	14° <b>5</b> 36'32	2°12'21
evening rise	13564 Jul 27 15:08	25° <b>Ω</b> 47'29			13565 Jul 05 01:58	$0$ $^{\circ}\Omega$	
	13564 Jul 30 00:35	0° <b>m</b>		evening rise	13565 Jul 09 14:10	7° <b>Ω</b> 29'48	
asc. node	13564 Jul 31 08:52	2° <b>m</b> )21'17		asc. node	13565 Jul 18 05:37	21° <b>Q</b> 49'13	
evening max el	13564 Aug 13 08:56	21° mp 47'11	18°02'47		13565 Jul 23 15:07	0° m)	10011110
retrograde	13564 Aug 19 22:14	25° Th 10'11		evening max el	13565 Jul 27 23:19	5° Mp 14'07	18°11'12
evening set	13564 Aug 22 10:37	24° Tp 39'51	1017125	retrograde	13565 Aug 03 07:50	8° TD 35'15	
inferior conj minimum elong	13564 Aug 29 01:11 13564 Aug 29 03:14	19° Mp 35'30 19° Mp 30'24	1°16'25 1°15'24	evening set inferior conj	13565 Aug 06 04:34 13565 Aug 12 05:51	7° Mp 51'29 2° Mp 29'31	2°11'13
min. Earth dist.	13564 Sep 01 02:24	16° Mp 34'46	0.61450 AU	minimum elong	13565 Aug 12 08:21	2°m) 22'32	
desc. node	13564 Sep 02 08:53	15° m/25'15	0.01 130 710	minimum crong	13565 Aug 14 11:23	30°RΩ	2 0) 30
morning rise	13564 Sep 04 17:13	13° m/35'09		min. Earth dist.	13565 Aug 14 19:18	29°Ω38'32	0.63650 AU
direct	13564 Sep 11 08:58	11° <b>m</b> ) 18'40		morning rise	13565 Aug 18 10:24	26° <b>Ω</b> 13'25	
morning max el	13564 Sep 25 13:42	19° <b>m</b> )16'18	27°58'29	desc. node	13565 Aug 20 06:24	24° <b>Ω</b> 59'57	
	13564 Oct 04 16:38	0∘ <b>亚</b>		direct	13565 Aug 25 01:44	23° <b>Ω</b> 40′29	
	13564 Oct 23 05:48	$0^{\circ}$ M.			13565 Sep 06 04:47	0° <b>™</b>	
asc. node	13564 Oct 27 10:52	8° <b>M</b> ₊14'47		morning max el	13565 Sep 07 22:54	1° <b>m</b> )41'21	27°43'06
morning set	13564 Oct 29 00:35	11°M27'32			13565 Sep 28 22:20	0∘ <b>⊽</b>	
max. Earth dist.	13564 Nov 03 16:03	23°M30'54	1.31536 AU	morning set	13565 Oct 12 18:53	25° <b>≏</b> 07'56	
				asc. node	13565 Oct 14 07:32	28° <b>≙</b> 12'55	
superior conj	13564 Nov 05 08:56	27°M16'10	1°16'06	T	13565 Oct 15 04:26	0°M,	1 22 100 177
minimum elong	13564 Nov 05 06:45	27°M04'04	1°16'38	max. Earth dist.	13565 Oct 17 16:27	5°M13'35	1.32409 AU
	13564 Nov 06 14:30	0° <b>҂</b> 12° <b>҂</b> 704'14			12565 0-4 20 15.52	110 <b>M</b> 27/27	0957122
evening rise	13564 Nov 12 02:07 13564 Nov 21 00:26	12° <b>x</b> '04'14 0°る		superior conj minimum elong	13565 Oct 20 15:52 13565 Oct 20 13:38	11°M36'27 11°M24'21	0°57'22 0°57'35
desc. node	13564 Nov 29 05:30	13°る22'58		evening rise	13565 Oct 27 13:16	26°M36'06	0 3733
evening max el	13564 Dec 08 05:37	24°る10'06	24°57'45	evening rise	13565 Oct 29 03:35	20 11 <b>3</b> 30 00	
evening max er	13564 Dec 16 17:29	0°≈	21 37 13		13565 Nov 15 18:06	0°₹	
retrograde	13564 Dec 22 00:30	1° <b>≈</b> 04'06		desc. node	13565 Nov 16 02:43	0° <b>る</b> 25'53	
Ü	13564 Dec 27 08:56	30°Ŗ₹		evening max el	13565 Nov 19 15:31	4° <b>ට</b> 14'53	23°17'14
evening set	13564 Dec 27 14:36	29° <b>る</b> 54'25		retrograde	13565 Dec 02 23:03	10° <b>る</b> 52'10	
min. Earth dist.	13565 Jan 01 17:32	27° <b>る</b> 10'28	0.56539 AU	evening set	13565 Dec 07 06:44	10° <b>る</b> 11'36	
inferior conj	13565 Jan 04 08:02	25° <b>る</b> 29'42	-5°15'44	min. Earth dist.	13565 Dec 14 01:20	7° <b>る</b> 01'02	0.55127 AU
minimum elong	13565 Jan 04 16:08	25° <b>る</b> 16'36	5°13'08	inferior conj	13565 Dec 15 13:31	6° <b>る</b> 08'37	
morning rise	13565 Jan 12 19:54	21° <b>る</b> 21'50		minimum elong	13565 Dec 15 15:37	6° <b>る</b> 05'33	5°54'06
direct	13565 Jan 15 02:24	21° <b>る</b> 07'17		morning rise	13565 Dec 24 02:09	2° <b>る</b> 17'46	
asc. node	13565 Jan 23 10:20	24°る39'00	10000111	direct	13565 Dec 26 22:49	1°る58'13	2002(120
morning max el	13565 Jan 24 14:31	25°₹43'11	19°20'41	morning max el	13566 Jan 07 00:20	7°る15'21	20°36'28
morning set	13565 Jan 28 08:02 13565 Feb 10 13:59	0° <b>≈</b> 23° <b>≈</b> 09'38		asc. node	13566 Jan 10 07:37 13566 Jan 22 00:21	10°る51'50 0°≈	
morning set	13565 Feb 10 13.59 13565 Feb 13 23:59	23 <b>≈</b> 0938		morning set	13566 Jan 25 21:19	0 ≈ 7°≈49'27	
	13303 1 00 13 23.39	0 /		morning set	13300 Jan 23 21.19	1 ~4921	
superior conj	13565 Feb 18 17:37	9° <b>∺</b> 21'15	0°51'17	superior conj	13566 Feb 02 09:05	23° <b>≈</b> 18'25	1°13'05
minimum elong	13565 Feb 18 20:16	9° <b>)</b> 34'10	0°51'21	minimum elong	13566 Feb 02 11:43	23° <b>≈</b> 31'48	1°13'27
desc. node	13565 Feb 25 06:12	21° <b>¥</b> 38′27		Č	13566 Feb 05 17:13	0° <b>∀</b>	
max. Earth dist.	13565 Feb 25 08:21	21° <b>)</b> 48′16	1.38251 AU	max. Earth dist.	13566 Feb 07 16:18	3° <b>)</b> 49′33	1.36076 AU
evening rise	13565 Mar 01 01:45	28° <b>¥</b> 26′19		evening rise	13566 Feb 11 12:56	11° <b>∺</b> 05'53	
	13565 Mar 01 23:20	$0^{\circ}$ Y		desc. node	13566 Feb 12 02:44	12° <b>)</b> €09'06	
	13565 Mar 21 05:07	$0$ $\circ$ 8			13566 Feb 22 13:12	$0^{\circ}$ Y	
evening max el	13565 Apr 05 10:34	18° <b>8</b> 39'37	24°54'51		13566 Mar 16 13:37	0° <b>8</b>	
retrograde	13565 Apr 17 06:45	25° <b>8</b> 33'16		evening max el	13566 Mar 19 00:02	2° <b>8</b> 30'00	26°05'02
asc. node	13565 Apr 21 06:53	24° <b>8</b> 23'43		retrograde	13566 Mar 31 17:06	9° <b>8</b> 46'11	
evening set	13565 Apr 22 23:29	23° <b>8</b> 10'07	0.60106.433	evening set	13566 Apr 06 20:54	7° <b>8</b> 15'42	
min. Earth dist.	13565 Apr 27 10:22	18° <b>8</b> 09'46	0.68196 AU	asc. node	13566 Apr 08 04:20	6° <b>8</b> 04'11 2° <b>8</b> 50'38	0.67160 411
inferior conj	13565 Apr 28 13:40 13565 Apr 28 11:31	16° <b>8</b> 39'39	2°05'14 2°03'55	min. Earth dist.	13566 Apr 11 01:12 13566 Apr 12 17:02	0° <b>8</b> 46'50	0.67160 AU 1°22'35
minimum elong morning rise	13565 Apr 28 11:31 13565 May 03 23:49	10° <b>8</b> 43'24	2 03 33	inferior conj minimum elong	13566 Apr 12 17:02 13566 Apr 12 15:13	0° <b>8</b> 52'30	
direct	13565 May 07 16:40	9° <b>8</b> 24'45		minimum ciong	13566 Apr 13 08:10	0 <b>3</b> 32 30 30° <b>R</b> Υ	1 41 71
morning max el	13565 May 14 21:45	13° <b>8</b> 23'25	19°32'03	morning rise	13566 Apr 18 10:18	25° <b>Υ</b> '00'46	
desc. node	13565 May 24 08:18	25° <b>8</b> 11'47		direct	13566 Apr 21 16:00	24° <b>Υ</b> '01'13	
greatest brilliancy	13565 May 27 13:20	29° <b>8</b> 50'10	-0.7m	morning max el	13566 Apr 28 06:54	27° <b>Y</b> ′34'09	18°40'40
- 3				_			

	13566 Apr 30 13:02	0° <b>႘</b>		desc. node	13567 Apr 28 01:40	5° <b>8</b> 06'50	
desc. node	13566 May 11 05:02	14° <b>8</b> 59'38		morning set	13567 Apr 20 01:40	9° <b>8</b> 07'40	
morning set	13566 May 19 21:16	28° <b>8</b> 28'48		morning sec	13567 May 13 13:59	0°П	
	13566 May 20 20:36	0°II				-	
max. Earth dist.	13566 Jun 04 03:03	22° <b>I</b> I16'35	1.45754 AU	superior conj	13567 May 15 10:16	2° <b>Ⅱ</b> 54'12	-1°50'04
				minimum elong	13567 May 15 01:17	2° <b>Ⅱ</b> 18'57	1°50'11
superior conj	13566 Jun 05 01:12	23° <b>Ⅱ</b> 43'07	-2°10'40	max. Earth dist.	13567 May 17 22:48	6° <b>Ⅱ</b> 51'23	1.45756 AU
minimum elong	13566 Jun 04 21:01	23° <b>Ⅱ</b> 26'49	2°11'33	evening rise	13567 May 31 12:46	27° <b>Ⅱ</b> 56'45	
	13566 Jun 09 01:26	$0$ $\circ$ $\mathfrak{s}$			13567 Jun 01 20:39	$0$ $\circ$ $\odot$	
evening rise	13566 Jun 20 12:55	18° <b>©</b> 10'32		greatest brilliancy	13567 Jun 12 23:51	17° <b>©</b> 00'52	-0.7m
greatest brilliancy	13566 Jun 27 14:58	29° <b>©</b> 28'27	-0.9m	asc. node	13567 Jun 21 23:22	29° <b>5</b> 28'10	
	13566 Jun 27 22:57	$0^{\circ}\Omega$			13567 Jun 22 09:58	$0^{\circ}\Omega$	
asc. node	13566 Jul 05 02:27	10° <b>Ω</b> 54'20		evening max el	13567 Jun 24 20:28	2° <b>Ω</b> 40'31	19°20'53
evening max el	13566 Jul 11 11:57	18° <b>Ω</b> 54'00	18°37'34	retrograde	13567 Jul 01 22:01	6° <b>Ω</b> 37'13	
retrograde	13566 Jul 18 00:51	22° <b>Ω</b> 26'44		evening set	13567 Jul 05 12:37	5° <b>Ω</b> 21'31	
evening set	13566 Jul 21 06:15	21° <b>Ω</b> 27'34		inferior conj	13567 Jul 10 22:16	29° <b>©</b> 30'15	3°06'13
inferior conj	13566 Jul 26 22:01	15° <b>Ω</b> 50'11	2°46'43	minimum elong	13567 Jul 10 23:20	29° <b>©</b> 26'46	3°05'10
minimum elong	13566 Jul 27 00:00	15° <b>Ω</b> 44'05	2°45'34		13567 Jul 10 13:10	30°Rூ	0.65100.177
min. Earth dist.	13566 Jul 28 21:25	13° <b>Ω</b> 25'14	0.65570 AU	min. Earth dist.	13567 Jul 12 07:11	27°5642'31	0.67103 AU
morning rise	13566 Aug 01 16:44	9° <b>Ω</b> 26'53 6° <b>Ω</b> 50'05		morning rise direct	13567 Jul 16 09:30	23°505'58 20°528'15	
desc. node direct	13566 Aug 07 03:51	6°Ω46'48		desc. node	13567 Jul 22 10:23 13567 Jul 25 01:13	20°953'40	
morning max el	13566 Aug 08 02:37 13566 Aug 21 10:04		26°55'27	morning max el	13567 Aug 03 20:56	20 933 40 27°955'09	25°44'03
morning max er	13566 Sep 02 22:58	0°m)	20 33 27	morning max er	13567 Aug 05 20:15	27 <b>3</b> 33 09	23 44 03
	13566 Sep 21 15:53	0∘ <del>ت</del> مار			13567 Aug 03 20:13	0° m)	
morning set	13566 Sep 26 02:48	ა <u>—</u> 8° <b>ჲ</b> 18'04		morning set	13567 Sep 08 20:37	20° mp 48'26	
max. Earth dist.	13566 Sep 30 07:40	16° <b>₽</b> 34'02	1.33814 AU	max. Earth dist.	13567 Sep 12 12:40	27° m) 38'38	1.35710 AU
asc. node	13566 Oct 01 04:08	18° <b>₽</b> 17'39	1.55011110	man Bartir digt.	13567 Sep 13 18:12	0∘ <del>⊽</del>	1.55710110
					r		
superior conj	13566 Oct 04 17:16	25° <b>ჲ</b> 38'00	0°33'07	superior conj	13567 Sep 18 10:24	9° <b>≏</b> 13'26	0°03'49
minimum elong	13566 Oct 04 15:39	25° <b>₽</b> 29'26	0°33'09	minimum elong	13567 Sep 18 10:10	9° <b>ء</b> 12'19	0°03'49
	13566 Oct 06 18:51	$0^{\circ}$ M		behind sun begin	13567 Sep 18 04:08	8° <b>≏</b> 41'55	
evening rise	13566 Oct 11 23:32	11°ML03'38		behind sun end	13567 Sep 18 16:13	9° <b>≏</b> 42'46	
	13566 Oct 21 16:32	0° <b>∡</b> ¹		asc. node	13567 Sep 18 00:41	8° <b>≏</b> 24'35	
evening max el	13566 Nov 01 04:56	14° <b>∡</b> °20′22	21°37'40	evening rise	13567 Sep 26 06:50	25° <b>≏</b> 20'52	
desc. node	13566 Nov 03 00:01	15° <b>∡</b> ′58'59			13567 Sep 28 13:37	$0^{\circ}$ M	
retrograde	13566 Nov 13 11:50	20° <b>∡</b> ¹26′15		evening max el	13567 Oct 14 06:23	25°M00'12	20°12'58
evening set	13566 Nov 16 10:28	20° <b>∡</b> ¹06'34		desc. node	13567 Oct 20 21:25	29°M34'19	
inferior conj	13566 Nov 25 06:23	16° <b>₹</b> 12'56			13567 Oct 22 06:13	0° <b>∡</b> ¹	
minimum elong	13566 Nov 24 23:41	16° <b>₹</b> 22'19		retrograde	13567 Oct 24 23:44	0° <b>∡</b> 720'11	
min. Earth dist.	13566 Nov 25 07:29	16° <b>₹</b> 11'22	0.54505 AU	evening set	13567 Oct 27 01:31	0° <b>∡</b> 109'07	
morning rise	13566 Dec 03 13:45	12° <b>х</b> 24′51 11° <b>х</b> 54′33		inforior coni	13567 Oct 27 19:23	30°RM	1926142
direct morning max el	13566 Dec 07 07:19 13566 Dec 19 20:10	17° <b>x</b> '54'33	22°13'12	inferior conj minimum elong	13567 Nov 05 00:04 13567 Nov 04 13:59	26°M12'08 26°M27'04	4°23'00
asc. node	13566 Dec 28 04:47	28° <b>x</b> 12'16	22 13 12	min. Earth dist.	13567 Nov 04 13:59 13567 Nov 06 14:57	25°M14'27	0.54829 AU
ase. node	13566 Dec 29 08:45	0° <b>る</b>		morning rise	13567 Nov 13 01:35	22°M07'00	0.54027710
morning set	13567 Jan 10 07:56	22° <b>る</b> 35'06		direct	13567 Nov 17 17:37	21°M19'46	
	13567 Jan 13 19:25	0° <b>≈</b>		morning max el	13567 Dec 01 06:53	27°M59'12	24°01'41
				Č	13567 Dec 03 06:57	0° <b>∡</b> ¹	
superior conj	13567 Jan 17 09:26	7° <b>≈</b> 38'41	1°27'54	asc. node	13567 Dec 15 01:50	16° <b>х</b> 23′45	
minimum elong	13567 Jan 17 11:22	7° <b>≈</b> 48'51	1°28'36		13567 Dec 22 07:40	ರ°0	
max. Earth dist.	13567 Jan 21 06:01	15° <b>≈</b> 40′18	1.34190 AU	morning set	13567 Dec 25 19:48	7° <b>る</b> 20'06	
evening rise	13567 Jan 25 15:13	24° <b>≈</b> 23′05					
	13567 Jan 28 14:25	0° <b>∀</b>		superior conj	13568 Jan 01 15:44	22° <b>る</b> 12'47	
desc. node	13567 Jan 29 23:21	2° <b>∺</b> 31'06		minimum elong	13568 Jan 01 16:38	22° <b>る</b> 17'40	1°37'04
	13567 Feb 16 02:26	0° <b>Υ</b>		max. Earth dist.	13568 Jan 04 03:34		1.32719 AU
evening max el	13567 Mar 01 13:38	16° <b>Y</b> 10'48	26°58'59		13568 Jan 05 06:39	0° <b>≈</b>	
retrograde	13567 Mar 14 21:51	23° <b>Y</b> 37'37		evening rise	13568 Jan 09 05:07	8°≈08'21	
evening set	13567 Mar 21 11:02	21°Υ05'16	0.65722 433	desc. node	13568 Jan 16 20:03	22° <b>≈</b> 38'57	
min. Earth dist.	13567 Mar 25 10:05	17° <b>Y</b> 13'40	0.65722 AU	avanir 1	13568 Jan 21 02:05	0° <b>)</b> 20°¥21120	27020121
asc. node	13567 Mar 26 01:47	16° <b>Y</b> 29'09 14° <b>Y</b> 44'13	0020140	evening max el	13568 Feb 12 02:26	29° <b>)</b> 31′28 0° <b>°</b>	21-29-31
inferior conj minimum elong	13567 Mar 27 14:09 13567 Mar 27 13:23	14° <b>Y</b> '44'13	0°28'48 0°28'22	retrograde	13568 Feb 12 14:30 13568 Feb 25 19:54	6°Υ′58'32	
morning rise	13567 Apr 02 17:11	9° <b>Υ</b> 10'03	0 2022	evening set	13568 Mar 03 15:36	6 1 38 32 4° <b>Υ</b> 31'10	
direct	13567 Apr 02 17:11 13567 Apr 05 12:56	8° <b>Υ</b> 26'46		min. Earth dist.	13568 Mar 07 10:57	1° <b>Υ</b> 10'03	0.63931 AU
morning max el	13567 Apr 03 12:30	11° <b>Υ</b> 46'37	18°05'55	min. Durin dist.	13568 Mar 08 14:14	30° <b>₹</b>	5.05751 AU
mun or	13567 Apr 24 21:37	0°8	10 00 00	inferior conj	13568 Mar 10 02:22	28° <b>¥</b> 25′21	-0°36'23
		. •		<del></del>		. , , 1	

minimum elong	13568 Mar 10 03:30	28° <b>)</b> 22'24	0°35'47	morning rise	13569 Feb 28 07:49	6° <b>)</b> 39'06 6° <b>)</b> 17'42	
asc. node morning rise	13568 Mar 11 23:14 13568 Mar 16 17:36	26° <b>)</b> 31'51 23° <b>)</b> 05'31		direct morning max el	13569 Mar 02 12:37 13569 Mar 09 08:06	6° <del>1</del> 1742 9° <b>1</b> 44'30	17°48'43
direct	13568 Mar 19 04:54	23 <del>X</del> 03 31 22° <del>X</del> 35'00		morning max er	13569 Mar 22 18:24	9 <del>Υ 44 30</del> 0° <b>Υ</b>	1 / 46 43
morning max el	13568 Mar 25 14:56	25° <b>)</b> 53'05	17°48'25	morning set	13569 Mar 25 02:26	4° <b>Υ</b> 09'11	
morning max er	13568 Mar 29 03:42	25 <b>γ</b> (33 03	17 46 23	desc. node	13569 Mar 31 18:48	15° <b>Υ</b> 57'59	
morning set	13568 Apr 11 08:40	21° <b>Υ</b> '07'07		desc. Hode	13309 Wiai 31 16.46	13   3/39	
desc. node	13568 Apr 13 22:16	25° <b>Υ</b> 27'59		superior conj	13569 Apr 05 08:44	23° <b>Y</b> ′50'29	-0°35'28
dese. Hode	13568 Apr 16 14:56	0°8		minimum elong	13569 Apr 05 05:22	23° <b>Y</b> 36'12	
	15500 rpr 10 11.50	ů O		minimum ciong	13569 Apr 09 01:01	0°8	0 33 13
superior conj	13568 Apr 24 09:51	12° <b>8</b> 49'32	-1°15'21	max. Earth dist.	13569 Apr 12 10:25	5° <b>8</b> 33'12	1.43640 AU
minimum elong	13568 Apr 24 02:17	12° <b>8</b> 18'56		evening rise	13569 Apr 19 15:51	17° <b>8</b> 01'11	1.45040 710
max. Earth dist.	13568 Apr 29 17:57	21° <b>8</b> 22'00		evening rise	13569 Apr 28 04:28	0°II	
max. Earth dist.	13568 May 05 06:11	0°II	1.13027710		13569 May 20 13:10	0°©	
evening rise	13568 May 10 00:25	7° <b>Ⅱ</b> 20'13		evening max el	13569 May 20 20:43	0°9519'10	21°30'16
e vennig 1190	13568 May 25 04:10	0.00 0.00		asc. node	13569 May 25 17:31	4°9516'54	21 30 10
evening max el	13568 Jun 06 23:29	16° <b>©</b> 29'45	20°19'25	retrograde	13569 May 29 19:18	5° <b>©</b> 32'43	
asc. node	13568 Jun 07 20:23	17° <b>©</b> 20'21	20 19 20	evening set	13569 Jun 03 06:28	3°9543'30	
retrograde	13568 Jun 14 20:47	21°901'10		evening sec	13569 Jun 06 16:09	30°RⅡ	
evening set	13568 Jun 18 21:19	19°528'28		inferior conj	13569 Jun 08 12:31	27° <b>I</b> I28'33	3°06'58
inferior conj	13568 Jun 24 03:53	13° <b>©</b> 24'39	3°12'22	minimum elong	13569 Jun 08 11:36	27° <b>I</b> I31'45	3°05'50
minimum elong	13568 Jun 24 03:55	13° <b>©</b> 24'33	3°11'19	min. Earth dist.	13569 Jun 08 17:49	27° <b>I</b> I10'05	0.68796 AU
min. Earth dist.	13568 Jun 24 22:40	12° <b>©</b> 20'24	0.68187 AU	morning rise	13569 Jun 13 16:31	21° <b>I</b> I12'30	0.00770110
morning rise	13568 Jun 29 10:11	7° <b>©</b> 03'20	***************************************	direct	13569 Jun 18 17:24	19° <b>Ⅱ</b> 01'49	
direct	13568 Jul 04 23:40	4°936'11		desc. node	13569 Jun 27 19:41	24° <b>∏</b> 02'54	
desc. node	13568 Jul 10 22:29	6°9546'58		morning max el	13569 Jun 28 18:13	24° <b>Ⅱ</b> 58'07	22°49'09
morning max el	13568 Jul 16 07:05	11° <b>©</b> 22'38	24°18'46		13569 Jul 03 06:57	0ಂಣ 	
5 5	13568 Jul 31 04:18	$0^{\circ}\Omega$			13569 Jul 24 15:03	$0^{\circ}\Omega$	
	13568 Aug 19 09:28	0° m)		morning set	13569 Aug 01 20:38	13° <b>Ω</b> 07'40	
morning set	13568 Aug 20 20:04	2° m) 28'45		max. Earth dist.	13569 Aug 06 10:14	20° <b>Ω</b> 46'32	1.40311 AU
max. Earth dist.	13568 Aug 24 11:18	8° m 53'14	1.37957 AU		13569 Aug 11 17:14	0° <b>m</b>	
superior conj	13568 Aug 31 15:59	22° m 15'13	-0°29'30	superior conj	13569 Aug 14 05:52	4° m 32'51	-1°04'37
minimum elong	13568 Aug 31 18:00	22° Mp 24'56	0°29'22	minimum elong	13569 Aug 14 10:42	4° <b>m</b> 54'48	1°04'24
asc. node	13568 Sep 03 21:15	28° <b>m</b> 30'31		asc. node	13569 Aug 21 17:50	18° <b>m</b> 31'14	
	13568 Sep 04 15:26	0∘ <b>⊽</b>		evening rise	13569 Aug 24 02:03	22° <b>m</b> 58'22	
evening rise	13568 Sep 09 08:43	9° <b>≏</b> 21'57			13569 Aug 27 19:32	0∘ <b>ত</b>	
	13568 Sep 20 18:10	$0^{\circ}$ M		evening max el	13569 Sep 09 01:16	18° <b>≏</b> 42'30	18°27'28
evening max el	13568 Sep 25 22:04	6° <b>™</b> 28'40	19°09'18	retrograde	13569 Sep 16 19:17	22° <b>≏</b> 37'39	
retrograde	13568 Oct 04 23:54	11°M01'28		evening set	13569 Sep 18 19:38	22° <b>≏</b> 22'31	
evening set	13568 Oct 06 20:32	10° <b>™</b> 50'49		desc. node	13569 Sep 23 16:21	19° <b>≏</b> 59'31	
desc. node	13568 Oct 06 18:51	10°M51'36		inferior conj	13569 Sep 26 13:34	17° <b>≏</b> 49'37	-0°54'43
inferior conj	13568 Oct 15 08:11	6° <b>™</b> 38'30		minimum elong	13569 Sep 26 11:26	17° <b>≏</b> 53'49	0°53'39
minimum elong	13568 Oct 15 01:17	6° <b>™</b> 50'07		min. Earth dist.	13569 Sep 29 19:39	15° <b>≏</b> 16′08	0.57906 AU
min. Earth dist.	13568 Oct 18 02:07	4° <b>M</b> 47′33	0.56043 AU	morning rise	13569 Oct 03 23:46	12° <b>≏</b> 34'00	
morning rise	13568 Oct 23 03:24	2°M00'30		direct	13569 Oct 10 03:02	10° <b>≏</b> 57'32	
direct	13568 Oct 28 15:20	0° <b>M</b> 50'43		morning max el	13569 Oct 24 10:30	18° <b>≏</b> 31'58	27°05'32
morning max el	13568 Nov 11 17:27	8° <b>™</b> 00'43	25°45'11		13569 Nov 03 02:07	0° <b>™</b>	
_	13568 Nov 28 00:20	0° <b>⊼</b> ¹		asc. node	13569 Nov 17 19:40	24°M32'31	
asc. node	13568 Nov 30 22:47	5° <b>∡</b> 13'49			13569 Nov 20 13:31	0° <b>∡</b> 7	
morning set	13568 Dec 09 07:10	21° <b>×</b> 759'58		morning set	13569 Nov 23 16:21	6° <b>₰</b> 730'28	
	13568 Dec 12 23:00	0°₹			125(0.)1 20 12 11	210 72720	102406
	12560 D 16 01 20	60 <b>7</b> 54111	102010.5	superior conj	13569 Nov 30 13:11	21° 🗷 37'20	1°34'06
superior conj	13568 Dec 16 01:38	6° <b>る</b> 54'11	1°38'05	minimum elong	13569 Nov 30 11:59	21° 🗷 30'40	1°35'03
minimum elong	13568 Dec 16 01:26	6°る53'04	1°39'08	max. Earth dist.	13569 Nov 30 15:59	21° <b>×</b> 752'59	1.31239 AU
max. Earth dist.	13568 Dec 17 07:53	9° <b>3</b> 41'33	1.31729 AU		13569 Dec 04 07:36	0°る	
evening rise	13568 Dec 23 03:42	22° <b>る</b> 14'19		evening rise	13569 Dec 07 08:27	6° <b>る</b> 34'56	
daga (5 - 4 -	13568 Dec 26 23:42	0°≈ 12°2226125		daga ::	13569 Dec 19 12:38	0°≈ 1°a•45'20	
desc. node	13569 Jan 02 16:52	12° <b>≈</b> 26'25		desc. node	13569 Dec 20 13:46	1°≈45'30	26056111
avanina may al	13569 Jan 13 23:52	0° <b>)</b> 12° <b>)</b> 18'40	27°29'58	evening max el	13570 Jan 06 16:16	24° <b>≈</b> 20'06 0° <b>)</b> €	26°56'11
evening max el	13569 Jan 24 12:15 13569 Feb 07 10:05	12° <b>★</b> 18′40 19° <b>★</b> 39'14	41 49 30	retrograda	13570 Jan 14 11:27 13570 Jan 20 15:17	1° <b>∺</b> 31'48	
retrograde evening set	13569 Feb 07 10:05 13569 Feb 14 07:48	19° <del>X</del> 39°14 17° <del>X</del> 24'17		retrograde	13570 Jan 20 15:17 13570 Jan 26 15:00	1°π31'48 30°R≈	
min. Earth dist.	13569 Feb 14 07.48 13569 Feb 18 02:00	17 <b>X</b> 2417 14° <b>X</b> 28'31	0.61878 AU	evening set	13570 Jan 26 13.00 13570 Jan 27 08:19	30 k≈ 29°≈37'01	
inferior conj	13569 Feb 21 02:29	14 <b>X</b> 2831 11° <b>X</b> 41'32		min. Earth dist.	13570 Jan 27 08:19 13570 Jan 31 06:23	29 ≈3701 26°≈57'33	0.59700 AU
minimum elong	13569 Feb 21 06:23	11° <del>X</del> 32'30		inferior conj	13570 Feb 03 10:58	20 ≈3733 24°≈23'32	
asc. node	13569 Feb 26 20:41	7° <b>H</b> 15'40	1 501/	minimum elong	13570 Feb 03 10:38 13570 Feb 03 18:00	24 ≈23 32 24°≈09'20	
450. HOGO	15557100 20 20.41	, ,(15 40		mmmum ciong	155,0100 05 10.00	2.70,720	3 12 00

	12570 7 1 11 06 10	100 41120			10551 1 16 00 10	60 20112	100 (100
morning rise	13570 Feb 11 06:48	19° <b>≈</b> 41'38		inferior conj	13571 Jan 16 00:18	6° <b>≈</b> 20'43	
direct .	13570 Feb 13 07:55	19° <b>≈</b> 25'52		minimum elong	13571 Jan 16 09:08	6°≈05'15	4°33'09
asc. node	13570 Feb 13 18:07	19° <b>≈</b> 26'34	10005155	morning rise	13571 Jan 24 08:05	2°≈00'58	
morning max el	13570 Feb 20 21:34	23°≈11'36	18°07'55	direct	13571 Jan 26 10:18	1°≈47'15	
_	13570 Feb 26 06:53	0° <b>∀</b>		asc. node	13571 Jan 31 15:31	3°≈18'19	
morning set	13570 Mar 08 12:19	17° <b>¥</b> 55′23		morning max el	13571 Feb 04 03:20	6°≈02'22	18°47'43
	13570 Mar 15 00:19	$0^{\circ}$ Y			13571 Feb 19 06:33	0° <b>∀</b>	
				morning set	13571 Feb 20 09:17	2° <b>₩</b> 10'11	
superior conj	13570 Mar 18 07:10	5° <b>Y</b> 56'44	0°02'44				
minimum elong	13570 Mar 18 07:23	5° <b>Ƴ</b> 57'42	0°02'42	superior conj	13571 Mar 01 01:03	18° <b>¥</b> 55'40	0°35'30
behind sun begin	13570 Mar 17 23:48	5° <b>Y</b> 23'48		minimum elong	13571 Mar 01 03:15	19° <b>∺</b> 06'00	0°35'26
behind sun end	13570 Mar 18 14:58	6° <b>Ƴ</b> 31'32		desc. node	13571 Mar 05 11:51	27° <b>∺</b> 09'17	
desc. node	13570 Mar 18 15:20	6° <b>Ƴ</b> 33'12			13571 Mar 07 01:53	$0^{\circ}$ Y	
max. Earth dist.	13570 Mar 25 22:13	19° <b>Ƴ</b> 09'36	1.41744 AU	max. Earth dist.	13571 Mar 08 05:22	2° <b>Ƴ</b> 01'41	1.39547 AU
evening rise	13570 Mar 30 23:31	27° <b>Ƴ</b> 28'27		evening rise	13571 Mar 12 04:10	8° <b>Ƴ</b> 50'46	
	13570 Apr 01 13:20	$9^{\circ}$ 8			13571 Mar 25 11:47	$9^{\circ}$ 8	
	13570 Apr 21 20:32	$\Pi$ $\circ 0$		evening max el	13571 Apr 16 03:21	28° <b>8</b> 01'01	24°10'02
evening max el	13570 May 03 13:19	14° <b>Ⅱ</b> 09'15	22°49'02		13571 Apr 18 06:03	$\Pi$ $^{\circ}0$	
asc. node	13570 May 12 14:44	20° <b>Ⅱ</b> 01'48		retrograde	13571 Apr 27 09:38	4° <b>Ⅱ</b> 37'36	
retrograde	13570 May 13 16:01	20° <b>Ⅱ</b> 06′52		asc. node	13571 Apr 29 12:03	4° <b>Ⅱ</b> 17'54	
evening set	13570 May 18 14:25	18° <b>Ⅲ</b> 02'31		evening set	13571 May 02 19:35	2° <b>Ⅲ</b> 20′30	
inferior conj	13570 May 23 22:10	11° <b>Ⅲ</b> 38'41	2°51'03		13571 May 05 02:18	30° <b>₹</b> 8	
minimum elong	13570 May 23 20:30	11° <b>Ⅱ</b> 44'29	2°49'47	min. Earth dist.	13571 May 07 10:48	26° <b>8</b> 59'16	0.68586 AU
min. Earth dist.	13570 May 23 14:34	12° <b>Ⅱ</b> 05'07	0.68927 AU	inferior conj	13571 May 08 06:56	25° <b>8</b> 51'04	2°24'56
morning rise	13570 May 29 02:29	5° <b>Ⅲ</b> 29'17		minimum elong	13571 May 08 04:50	25° <b>8</b> 58'11	2°23'36
direct	13570 Jun 02 14:29	3° <b>Ⅱ</b> 38′20		morning rise	13571 May 13 14:10	19° <b>8</b> 49'31	
morning max el	13570 Jun 11 09:15	8° <b>Ⅱ</b> 43'11	21°23'39	direct	13571 May 17 13:44	18° <b>8</b> 19'16	
desc. node	13570 Jun 14 16:46	12° <b>Ⅱ</b> 19′50		morning max el	13571 May 25 06:45	22° <b>8</b> 39'14	20°08'42
	13570 Jun 27 20:39	0ංම			13571 May 31 13:13	$\Pi^{\circ}0$	
morning set	13570 Jul 12 20:14	22° <b>5</b> 41'32		desc. node	13571 Jun 01 13:43	1° <b>Ⅲ</b> 21′06	
	13570 Jul 17 10:06	$0^{\circ}\Omega$			13571 Jun 21 01:58	0°©	
max. Earth dist.	13570 Jul 19 14:02	3° <b>Ω</b> 31′23	1.42495 AU	morning set	13571 Jun 22 00:56	1°528'18	
				max. Earth dist.	13571 Jul 02 00:18	17° <b>5</b> 05'08	1.44255 AU
superior conj	13570 Jul 26 23:39	15° <b>Ω</b> 56'34	-1°37'47				
minimum elong	13570 Jul 27 06:41	16° <b>Ω</b> 26'49	1°37'47	superior conj	13571 Jul 07 18:01	26°520'48	-2°03'08
•					155/1541 0/ 10.01		
	13570 Aug 03 23:10	0° <b>m</b> )		minimum elong	13571 Jul 08 00:14	26°\$546'14	2°03'45
evening rise	13570 Aug 03 23:10 13570 Aug 07 06:52	0° <b>m</b> 5° <b>m</b> 59'55					2°03'45
evening rise asc. node	13570 Aug 07 06:52			minimum elong	13571 Jul 08 00:14	26°5546'14	2°03'45
•	13570 Aug 07 06:52 13570 Aug 08 14:28	5° m 59'55			13571 Jul 08 00:14 13571 Jul 09 23:22	26°∽46′14 0° <b>Ω</b>	2°03'45
asc. node	13570 Aug 07 06:52 13570 Aug 08 14:28 13570 Aug 22 01:32	5° m/59'55 8° m/22'54 0° Ω	18°06'12	minimum elong evening rise	13571 Jul 08 00:14 13571 Jul 09 23:22 13571 Jul 20 18:15	26°\$46'14 0°\$\Omega\$ 18°\$\Omega\$14'39 28°\$\Omega\$01'16	2°03'45
asc. node evening max el	13570 Aug 07 06:52 13570 Aug 08 14:28 13570 Aug 22 01:32 13570 Aug 23 11:53	5° m 59'55 8° m 22'54	18°06'12	minimum elong evening rise asc. node	13571 Jul 08 00:14 13571 Jul 09 23:22 13571 Jul 20 18:15 13571 Jul 26 11:09	26°€46'14 0° <b>Ω</b> 18° <b>Ω</b> 14'39	2°03'45 18°04'10
asc. node evening max el retrograde	13570 Aug 07 06:52 13570 Aug 08 14:28 13570 Aug 22 01:32 13570 Aug 23 11:53 13570 Aug 30 08:44	5° M 59'55 8° M 22'54 0° Ω 1° Ω 32'26 5° Ω 03'16	18°06'12	minimum elong evening rise asc. node evening max el	13571 Jul 08 00:14 13571 Jul 09 23:22 13571 Jul 20 18:15 13571 Jul 26 11:09 13571 Jul 27 15:24 13571 Aug 07 01:58	26°\$46'14 0°\$\Omega\$ 18°\$\Omega\$14'39 28°\$\Omega\$01'16 0°\$\Omega\$ 14°\$\Omega\$49'06	
asc. node evening max el	13570 Aug 07 06:52 13570 Aug 08 14:28 13570 Aug 22 01:32 13570 Aug 23 11:53 13570 Aug 30 08:44 13570 Sep 01 16:17	5° m 59'55 8° m 22'54 0° Ω 1° Ω 32'26 5° Ω 03'16 4° Ω 39'38	18°06'12	minimum elong evening rise asc. node evening max el retrograde	13571 Jul 08 00:14 13571 Jul 09 23:22 13571 Jul 20 18:15 13571 Jul 26 11:09 13571 Jul 27 15:24 13571 Aug 07 01:58 13571 Aug 13 12:09	26°\$46'14 0°\$\Omega\$ 18°\$\Omega\$14'39 28°\$\Omega\$01'16 0°\$\Omega\$ 14°\$\Omega\$49'06 18°\$\Omega\$99'41	
asc. node evening max el retrograde evening set	13570 Aug 07 06:52 13570 Aug 08 14:28 13570 Aug 22 01:32 13570 Aug 23 11:53 13570 Aug 30 08:44 13570 Sep 01 16:17 13570 Sep 08 10:11	5° m 59'55 8° m 22'54 0° Ω 1° Ω 32'26 5° Ω 03'16 4° Ω 39'38 30° R M	18°06'12 0°34'55	minimum elong evening rise asc. node evening max el	13571 Jul 08 00:14 13571 Jul 09 23:22 13571 Jul 20 18:15 13571 Jul 26 11:09 13571 Jul 27 15:24 13571 Aug 07 01:58 13571 Aug 13 12:09 13571 Aug 16 03:58	26°\$46'14 0°\$\Omega\$ 18°\$\Omega\$14'39 28°\$\Omega\$01'16 0°\$\Omega\$ 14°\$\Omega\$49'06	
asc. node evening max el retrograde evening set inferior conj	13570 Aug 07 06:52 13570 Aug 08 14:28 13570 Aug 22 01:32 13570 Aug 23 11:53 13570 Aug 30 08:44 13570 Sep 01 16:17 13570 Sep 08 10:11 13570 Sep 08 16:07	5° m 59'55 8° m 22'54 0° Ω 1° Ω 32'26 5° Ω 03'16 4° Ω 39'38 30° R M 29° m 46'21		evening rise asc. node  evening max el retrograde evening set inferior conj	13571 Jul 08 00:14 13571 Jul 09 23:22 13571 Jul 20 18:15 13571 Jul 26 11:09 13571 Jul 27 15:24 13571 Aug 07 01:58 13571 Aug 13 12:09 13571 Aug 16 03:58 13571 Aug 22 12:28	26°\$46'14 0°\$\mathcal{O}\$18°\$\mathcal{O}\$14'39 28°\$\mathcal{O}\$01'16 0°\$\mathcal{m}\$14°\$\mathcal{m}\$49'06 18°\$\mathcal{m}\$09'41 17°\$\mathcal{m}\$34'03 12°\$\mathcal{m}\$22'14	18°04'10
asc. node evening max el retrograde evening set	13570 Aug 07 06:52 13570 Aug 08 14:28 13570 Aug 22 01:32 13570 Aug 23 11:53 13570 Aug 30 08:44 13570 Sep 01 16:17 13570 Sep 08 10:11 13570 Sep 08 16:07 13570 Sep 08 17:13	5° m 59'55 8° m 22'54 0° <u>a</u> 1° <u>a</u> 32'26 5° <u>a</u> 03'16 4° <u>a</u> 39'38 30° R m 29° m 46'21 29° m 43'50	0°34'55	evening rise asc. node  evening max el retrograde evening set inferior conj minimum elong	13571 Jul 08 00:14 13571 Jul 09 23:22 13571 Jul 20 18:15 13571 Jul 26 11:09 13571 Jul 27 15:24 13571 Aug 07 01:58 13571 Aug 13 12:09 13571 Aug 16 03:58 13571 Aug 22 12:28 13571 Aug 22 14:52	26°\$46'14 0°\$ 18°\$14'39 28°\$01'16 0°\$ 14°\$49'06 18°\$09'41 17°\$34'03 12°\$22'14 12°\$\$15'57	18°04'10 1°42'10 1°41'01
asc. node  evening max el retrograde evening set  inferior conj minimum elong	13570 Aug 07 06:52 13570 Aug 08 14:28 13570 Aug 22 01:32 13570 Aug 23 11:53 13570 Aug 30 08:44 13570 Sep 01 16:17 13570 Sep 08 10:11 13570 Sep 08 17:13 13570 Sep 08 17:13	5° m 59'55 8° m 22'54 0° <u>a</u> 1° <u>a</u> 32'26 5° <u>a</u> 03'16 4° <u>a</u> 39'38 30° R m 29° m 46'21 29° m 43'50 28° m 00'29	0°34'55	evening rise asc. node  evening max el retrograde evening set inferior conj	13571 Jul 08 00:14 13571 Jul 09 23:22 13571 Jul 20 18:15 13571 Jul 26 11:09 13571 Jul 27 15:24 13571 Aug 07 01:58 13571 Aug 13 12:09 13571 Aug 16 03:58 13571 Aug 22 12:28	26°\$46'14 0°\$\mathcal{O}\$18°\$\mathcal{O}\$14'39 28°\$\mathcal{O}\$01'16 0°\$\mathcal{m}\$14°\$\mathcal{m}\$49'06 18°\$\mathcal{m}\$09'41 17°\$\mathcal{m}\$34'03 12°\$\mathcal{m}\$22'14	18°04'10 1°42'10
asc. node  evening max el retrograde evening set  inferior conj minimum elong desc. node min. Earth dist.	13570 Aug 07 06:52 13570 Aug 08 14:28 13570 Aug 22 01:32 13570 Aug 23 11:53 13570 Aug 30 08:44 13570 Sep 01 16:17 13570 Sep 08 10:11 13570 Sep 08 16:07 13570 Sep 08 17:13	5° m 59'55 8° m 22'54 0° <u>a</u> 1° <u>a</u> 32'26 5° <u>a</u> 03'16 4° <u>a</u> 39'38 30° R m 29° m 46'21 29° m 43'50	0°34'55 0°34'24	evening rise asc. node  evening max el retrograde evening set inferior conj minimum elong min. Earth dist.	13571 Jul 08 00:14 13571 Jul 09 23:22 13571 Jul 20 18:15 13571 Jul 26 11:09 13571 Jul 27 15:24 13571 Aug 07 01:58 13571 Aug 13 12:09 13571 Aug 16 03:58 13571 Aug 22 12:28 13571 Aug 22 14:52 13571 Aug 25 09:17	26°\$46'14 0°\$ 18°\$14'39 28°\$01'16 0°\$ 14°\$49'06 18°\$909'41 17°\$34'03 12°\$\$22'14 12°\$\$15'57 9°\$\$22'59	18°04'10 1°42'10 1°41'01
asc. node  evening max el retrograde evening set  inferior conj minimum elong desc. node	13570 Aug 07 06:52 13570 Aug 08 14:28 13570 Aug 22 01:32 13570 Aug 23 11:53 13570 Aug 30 08:44 13570 Sep 01 16:17 13570 Sep 08 10:11 13570 Sep 08 16:07 13570 Sep 08 17:13 13570 Sep 10 13:54 13570 Sep 11 21:44	5° m 59'55 8° m 22'54 0° Ω 1° Ω 32'26 5° Ω 03'16 4° Ω 39'38 30° R m 29° m 46'21 29° m 43'50 28° m 00'29 26° m 49'01 23° m 59'08	0°34'55 0°34'24	minimum elong evening rise asc. node evening max el retrograde evening set inferior conj minimum elong min. Earth dist. desc. node	13571 Jul 08 00:14 13571 Jul 09 23:22 13571 Jul 20 18:15 13571 Jul 26 11:09 13571 Jul 27 15:24 13571 Aug 07 01:58 13571 Aug 13 12:09 13571 Aug 16 03:58 13571 Aug 22 12:28 13571 Aug 22 14:52 13571 Aug 25 09:17 13571 Aug 28 11:26 13571 Aug 28 23:27	26°\$46'14 0°\$\Omega\$14'39 28°\$\Omega\$01'16 0°\$\Omega\$14'03 12°\$\Omega\$2'14 12°\$\Omega\$2'14 12°\$\Omega\$2'59 6°\$\Omega\$36'21	18°04'10 1°42'10 1°41'01
asc. node  evening max el retrograde evening set  inferior conj minimum elong desc. node min. Earth dist. morning rise direct	13570 Aug 07 06:52 13570 Aug 08 14:28 13570 Aug 22 01:32 13570 Aug 23 11:53 13570 Aug 30 08:44 13570 Sep 01 16:17 13570 Sep 08 10:11 13570 Sep 08 16:07 13570 Sep 10 13:54 13570 Sep 11 21:44 13570 Sep 15 14:59	5° m 59'55 8° m 22'54 0° <u>n</u> 1° <u>n</u> 32'26 5° <u>n</u> 03'16 4° <u>n</u> 39'38 30° R m 29° m 46'21 29° m 43'50 28° m 00'29 26° m 49'01 23° m 59'08 21° m 55'44	0°34'55 0°34'24 0.60126 AU	minimum elong evening rise asc. node evening max el retrograde evening set inferior conj minimum elong min. Earth dist. desc. node morning rise direct	13571 Jul 08 00:14 13571 Jul 09 23:22 13571 Jul 20 18:15 13571 Jul 26 11:09 13571 Jul 27 15:24 13571 Aug 07 01:58 13571 Aug 13 12:09 13571 Aug 16 03:58 13571 Aug 22 12:28 13571 Aug 22 14:52 13571 Aug 25 09:17 13571 Aug 28 11:26 13571 Aug 28 23:27 13571 Sep 04 15:48	26°\$46'14 0°\$\Omega\$14'39 28°\$\Omega\$01'16 0°\$\mathrm{m}\$49'06 18°\$\mathrm{m}\$9'41 17°\$\mathrm{m}\$34'03 12°\$\mathrm{m}\$22'14 12°\$\mathrm{m}\$15'57 9°\$\mathrm{m}\$22'59 6°\$\mathrm{m}\$36'21 6°\$\mathrm{m}\$13'54 3°\$\mathrm{m}\$48'57	18°04'10 1°42'10 1°41'01 0.62407 AU
asc. node  evening max el retrograde evening set  inferior conj minimum elong desc. node min. Earth dist. morning rise	13570 Aug 07 06:52 13570 Aug 08 14:28 13570 Aug 22 01:32 13570 Aug 23 11:53 13570 Aug 30 08:44 13570 Sep 01 16:17 13570 Sep 08 10:11 13570 Sep 08 16:07 13570 Sep 08 17:13 13570 Sep 10 13:54 13570 Sep 11 21:44 13570 Sep 15 14:59 13570 Sep 22 03:57	5° m 59'55 8° m 22'54 0° <u>n</u> 1° <u>n</u> 32'26 5° <u>n</u> 03'16 4° <u>n</u> 39'38 30° R m 29° m 46'21 29° m 43'50 28° m 00'29 26° m 49'01 23° m 59'08 21° m 55'44	0°34'55 0°34'24	evening rise asc. node  evening max el retrograde evening set inferior conj minimum elong min. Earth dist. desc. node morning rise	13571 Jul 08 00:14 13571 Jul 09 23:22 13571 Jul 20 18:15 13571 Jul 26 11:09 13571 Jul 27 15:24 13571 Aug 07 01:58 13571 Aug 13 12:09 13571 Aug 16 03:58 13571 Aug 22 12:28 13571 Aug 22 14:52 13571 Aug 25 09:17 13571 Aug 28 11:26 13571 Aug 28 23:27	26°\$46'14 0°\$\Omega\$14'39 28°\$\Omega\$01'16 0°\$\mathrm{m}\$49'06 18°\$\mathrm{m}\$9'941 17°\$\mathrm{m}\$34'03 12°\$\mathrm{m}\$22'14 12°\$\mathrm{m}\$15'57 9°\$\mathrm{m}\$22'59 6°\$\mathrm{m}\$36'21 6°\$\mathrm{m}\$13'54	18°04'10 1°42'10 1°41'01 0.62407 AU
asc. node  evening max el retrograde evening set  inferior conj minimum elong desc. node min. Earth dist. morning rise direct	13570 Aug 07 06:52 13570 Aug 08 14:28 13570 Aug 22 01:32 13570 Aug 23 11:53 13570 Aug 30 08:44 13570 Sep 01 16:17 13570 Sep 08 10:11 13570 Sep 08 16:07 13570 Sep 10 13:54 13570 Sep 11 21:44 13570 Sep 15 14:59 13570 Sep 22 03:57 13570 Oct 06 11:18	5° m 59'55 8° m 22'54 0° <u>a</u> 1° <u>a</u> 32'26 5° <u>a</u> 03'16 4° <u>a</u> 39'38 30° r m 29° m 46'21 29° m 43'50 28° m 00'29 26° m 49'01 23° m 59'08 21° m 55'44 29° m 48'06 0° <u>a</u>	0°34'55 0°34'24 0.60126 AU	minimum elong evening rise asc. node evening max el retrograde evening set inferior conj minimum elong min. Earth dist. desc. node morning rise direct	13571 Jul 08 00:14 13571 Jul 09 23:22 13571 Jul 20 18:15 13571 Jul 26 11:09 13571 Jul 27 15:24 13571 Aug 07 01:58 13571 Aug 13 12:09 13571 Aug 16 03:58 13571 Aug 22 12:28 13571 Aug 22 14:52 13571 Aug 25 09:17 13571 Aug 28 11:26 13571 Aug 28 23:27 13571 Sep 04 15:48 13571 Sep 18 18:04 13571 Oct 03 03:34	26°\$46'14 0°\$\Omega\$14'39 28°\$\Omega\$01'16 0°\$\mathrm{m}\$49'06 18°\$\mathrm{m}\$9'41 17°\$\mathrm{m}\$34'03 12°\$\mathrm{m}\$15'57 9°\$\mathrm{m}\$22'59 6°\$\mathrm{m}\$36'21 6°\$\mathrm{m}\$13'54 3°\$\mathrm{m}\$50'05	18°04'10 1°42'10 1°41'01 0.62407 AU
asc. node  evening max el retrograde evening set  inferior conj minimum elong desc. node min. Earth dist. morning rise direct	13570 Aug 07 06:52 13570 Aug 08 14:28 13570 Aug 22 01:32 13570 Aug 23 11:53 13570 Aug 30 08:44 13570 Sep 01 16:17 13570 Sep 08 10:11 13570 Sep 08 16:07 13570 Sep 10 13:54 13570 Sep 11 21:44 13570 Sep 15 14:59 13570 Sep 22 03:57 13570 Oct 06 11:18 13570 Oct 06 16:06	5° m 59'55 8° m 22'54 0° <u>a</u> 1° <u>a</u> 32'26 5° <u>a</u> 03'16 4° <u>a</u> 39'38 30° R m 29° m 46'21 29° m 43'50 28° m 00'29 26° m 49'01 23° m 59'08 21° m 55'44 29° m 48'06	0°34'55 0°34'24 0.60126 AU	minimum elong evening rise asc. node  evening max el retrograde evening set inferior conj minimum elong min. Earth dist. desc. node morning rise direct morning max el	13571 Jul 08 00:14 13571 Jul 09 23:22 13571 Jul 20 18:15 13571 Jul 26 11:09 13571 Jul 27 15:24 13571 Aug 07 01:58 13571 Aug 13 12:09 13571 Aug 16 03:58 13571 Aug 22 12:28 13571 Aug 22 14:52 13571 Aug 28 11:26 13571 Aug 28 23:27 13571 Sep 04 15:48 13571 Sep 18 18:04	26°\$46'14 0°\$\Omega\$14'39 28°\$\Omega\$01'16 0°\$\mathrm{m}\$49'06 18°\$\mathrm{m}\$9'941 17°\$\mathrm{m}\$34'03 12°\$\mathrm{m}\$15'57 9°\$\mathrm{m}\$22'59 6°\$\mathrm{m}\$36'21 6°\$\mathrm{m}\$13'54 3°\$\mathrm{m}\$50'05 0°\$\sigma\$	18°04'10 1°42'10 1°41'01 0.62407 AU
asc. node  evening max el retrograde evening set  inferior conj minimum elong desc. node min. Earth dist. morning rise direct morning max el  asc. node	13570 Aug 07 06:52 13570 Aug 08 14:28 13570 Aug 22 01:32 13570 Aug 23 11:53 13570 Aug 30 08:44 13570 Sep 01 16:17 13570 Sep 08 10:11 13570 Sep 08 16:07 13570 Sep 10 13:54 13570 Sep 11 21:44 13570 Sep 12 21:44 13570 Sep 15 14:59 13570 Sep 22 03:57 13570 Oct 06 11:18 13570 Oct 06 16:06 13570 Oct 28 03:05	5° m 59'55 8° m 22'54 0° Ω 1° Ω 32'26 5° Ω 03'16 4° Ω 39'38 30° R m 29° m 46'21 29° m 43'50 28° m 00'29 26° m 49'01 23° m 55'44 29° m 48'06 0° Ω 0° M	0°34'55 0°34'24 0.60126 AU	minimum elong evening rise asc. node evening max el retrograde evening set inferior conj minimum elong min. Earth dist. desc. node morning rise direct	13571 Jul 08 00:14 13571 Jul 09 23:22 13571 Jul 20 18:15 13571 Jul 26 11:09 13571 Jul 27 15:24 13571 Aug 07 01:58 13571 Aug 13 12:09 13571 Aug 16 03:58 13571 Aug 22 12:28 13571 Aug 22 14:52 13571 Aug 25 09:17 13571 Aug 28 11:26 13571 Aug 28 23:27 13571 Sep 04 15:48 13571 Sep 18 18:04 13571 Oct 03 03:34 13571 Oct 20 12:24	26°\$46'14 0°\$\Omega\$18'\$\Omega\$14'39 28°\$\Omega\$01'16 0°\$\mathreat{m}\$14'906 18°\$\mathreat{m}\$909'41 17°\$\mathreat{m}\$34'03 12°\$\mathreat{m}\$22'14 12°\$\mathreat{m}\$15'57 9°\$\mathreat{m}\$22'59 6°\$\mathreat{m}\$36'21 6°\$\mathreat{m}\$13'54 3°\$\mathreat{m}\$48'57 11°\$\mathreat{m}\$50'05 0°\$\mathreat{n}\$0"\$\mathreat{m}\$.	18°04'10 1°42'10 1°41'01 0.62407 AU
asc. node  evening max el retrograde evening set  inferior conj minimum elong desc. node min. Earth dist. morning rise direct morning max el	13570 Aug 07 06:52 13570 Aug 08 14:28 13570 Aug 22 01:32 13570 Aug 23 11:53 13570 Aug 30 08:44 13570 Sep 01 16:17 13570 Sep 08 10:11 13570 Sep 08 16:07 13570 Sep 10 13:54 13570 Sep 11 21:44 13570 Sep 15 14:59 13570 Sep 22 03:57 13570 Oct 06 11:18 13570 Oct 06 16:06 13570 Oct 28 03:05 13570 Nov 04 16:26	5° m 59'55 8° m 22'54 0° Ω 1° Ω 32'26 5° Ω 03'16 4° Ω 39'38 30° R m 29° m 46'21 29° m 43'50 28° m 00'29 26° m 49'01 23° m 55'44 29° m 48'06 0° Ω 0° M 14° M 11'15	0°34'55 0°34'24 0.60126 AU	minimum elong evening rise asc. node evening max el retrograde evening set inferior conj minimum elong min. Earth dist. desc. node morning rise direct morning max el	13571 Jul 08 00:14 13571 Jul 09 23:22 13571 Jul 20 18:15 13571 Jul 26 11:09 13571 Jul 27 15:24 13571 Aug 07 01:58 13571 Aug 13 12:09 13571 Aug 16 03:58 13571 Aug 22 12:28 13571 Aug 22 14:52 13571 Aug 25 09:17 13571 Aug 28 11:26 13571 Aug 28 11:26 13571 Aug 28 23:27 13571 Sep 04 15:48 13571 Sep 18 18:04 13571 Oct 03 03:34 13571 Oct 20 12:24 13571 Oct 22 20:24	26°\$46'14 0°\$\Omega\$14'39 28°\$\Omega\$01'16 0°\$\mathbf{m}\$49'06 18°\$\mathbf{m}\$49'06 18°\$\mathbf{m}\$99'41 17°\$\mathbf{m}\$34'03 12°\$\mathbf{m}\$22'14 12°\$\mathbf{m}\$15'57 9°\$\mathbf{m}\$22'59 6°\$\mathbf{m}\$36'21 6°\$\mathbf{m}\$13'54 3°\$\mathbf{m}\$48'57 11°\$\mathbf{m}\$50'05 0°\$\mathbf{n}\$ 0°\$\mathbf{m}\$40'59	18°04'10 1°42'10 1°41'01 0.62407 AU
asc. node  evening max el retrograde evening set  inferior conj minimum elong desc. node min. Earth dist. morning rise direct morning max el  asc. node	13570 Aug 07 06:52 13570 Aug 08 14:28 13570 Aug 22 01:32 13570 Aug 23 11:53 13570 Aug 30 08:44 13570 Sep 01 16:17 13570 Sep 08 10:11 13570 Sep 08 17:13 13570 Sep 10 13:54 13570 Sep 11 21:44 13570 Sep 15 14:59 13570 Sep 22 03:57 13570 Oct 06 11:18 13570 Oct 06 16:06 13570 Oct 28 03:05 13570 Nov 04 16:26 13570 Nov 07 21:27 13570 Nov 12 04:32	5° m 59'55 8° m 22'54 0° Ω 1° Ω 32'26 5° Ω 03'16 4° Ω 39'38 30° R m 29° m 46'21 29° m 43'50 28° m 00'29 26° m 49'01 23° m 59'08 21° m 55'44 29° m 48'06 0° Ω 0° M 14° M 11'15 20° M 45'48	0°34'55 0°34'24 0.60126 AU	evening rise asc. node  evening max el retrograde evening set inferior conj minimum elong min. Earth dist. desc. node morning rise direct morning max el  morning set asc. node	13571 Jul 08 00:14 13571 Jul 09 23:22 13571 Jul 20 18:15 13571 Jul 26 11:09 13571 Jul 27 15:24 13571 Aug 07 01:58 13571 Aug 13 12:09 13571 Aug 16 03:58 13571 Aug 22 12:28 13571 Aug 22 14:52 13571 Aug 25 09:17 13571 Aug 28 11:26 13571 Aug 28 23:27 13571 Sep 04 15:48 13571 Sep 18 18:04 13571 Oct 03 03:34 13571 Oct 20 12:24 13571 Oct 22 20:24 13571 Oct 22 13:08	26°\$46'14 0°\$\alpha\$ 18°\$\alpha\$14'39 28°\$\alpha\$01'16 0°\$\mathbf{m}\$ 14°\$\mathbf{m}\$49'06 18°\$\mathbf{m}\$09'41 17°\$\mathbf{m}\$34'03 12°\$\mathbf{m}\$22'14 12°\$\mathbf{m}\$15'57 9°\$\mathbf{m}\$22'59 6°\$\mathbf{m}\$36'21 6°\$\mathbf{m}\$13'54 3°\$\mathbf{m}\$48'57 11°\$\mathbf{m}\$50'05 0°\$\mathbf{n}\$ 0°\$\mathbf{m}\$ 4°\$\mathbf{m}\$40'59 4°\$\mathbf{m}\$04'00	18°04'10 1°42'10 1°41'01 0.62407 AU 27°56'16
asc. node  evening max el retrograde evening set  inferior conj minimum elong desc. node min. Earth dist. morning rise direct morning max el  asc. node morning set	13570 Aug 07 06:52 13570 Aug 08 14:28 13570 Aug 22 01:32 13570 Aug 23 11:53 13570 Aug 30 08:44 13570 Sep 01 16:17 13570 Sep 08 10:11 13570 Sep 08 17:13 13570 Sep 10 13:54 13570 Sep 11 21:44 13570 Sep 15 14:59 13570 Sep 22 03:57 13570 Oct 06 11:18 13570 Oct 06 16:06 13570 Oct 28 03:05 13570 Nov 04 16:26 13570 Nov 07 21:27	5° m 59'55 8° m 22'54 0° • 1° • 32'26 5° • 03'16 4° • 39'38 30° R m 29° m 46'21 29° m 43'50 28° m 00'29 26° m 49'01 23° m 59'08 21° m 55'44 29° m 48'06 0° • 0° m 14° m 11'15 20° m 45'48 0° ×	0°34'55 0°34'24 0.60126 AU 27°50'27	evening rise asc. node  evening max el retrograde evening set inferior conj minimum elong min. Earth dist. desc. node morning rise direct morning max el  morning set asc. node	13571 Jul 08 00:14 13571 Jul 09 23:22 13571 Jul 20 18:15 13571 Jul 26 11:09 13571 Jul 27 15:24 13571 Aug 07 01:58 13571 Aug 13 12:09 13571 Aug 16 03:58 13571 Aug 22 12:28 13571 Aug 22 14:52 13571 Aug 25 09:17 13571 Aug 28 11:26 13571 Aug 28 23:27 13571 Sep 04 15:48 13571 Sep 18 18:04 13571 Oct 03 03:34 13571 Oct 20 12:24 13571 Oct 22 20:24 13571 Oct 22 13:08	26°\$46'14 0°\$\alpha\$ 18°\$\alpha\$14'39 28°\$\alpha\$01'16 0°\$\mathbf{m}\$ 14°\$\mathbf{m}\$49'06 18°\$\mathbf{m}\$09'41 17°\$\mathbf{m}\$34'03 12°\$\mathbf{m}\$22'14 12°\$\mathbf{m}\$15'57 9°\$\mathbf{m}\$22'59 6°\$\mathbf{m}\$36'21 6°\$\mathbf{m}\$13'54 3°\$\mathbf{m}\$48'57 11°\$\mathbf{m}\$50'05 0°\$\mathbf{n}\$ 0°\$\mathbf{m}\$ 4°\$\mathbf{m}\$40'59 4°\$\mathbf{m}\$04'00	18°04'10 1°42'10 1°41'01 0.62407 AU 27°56'16
asc. node  evening max el retrograde evening set  inferior conj minimum elong desc. node min. Earth dist. morning rise direct morning max el  asc. node morning set	13570 Aug 07 06:52 13570 Aug 08 14:28 13570 Aug 22 01:32 13570 Aug 23 11:53 13570 Aug 30 08:44 13570 Sep 01 16:17 13570 Sep 08 10:11 13570 Sep 08 17:13 13570 Sep 10 13:54 13570 Sep 11 21:44 13570 Sep 15 14:59 13570 Sep 22 03:57 13570 Oct 06 11:18 13570 Oct 06 16:06 13570 Oct 28 03:05 13570 Nov 04 16:26 13570 Nov 07 21:27 13570 Nov 12 04:32	5° m 59'55 8° m 22'54 0° • 1° • 32'26 5° • 03'16 4° • 39'38 30° R m 29° m 46'21 29° m 43'50 28° m 00'29 26° m 49'01 23° m 59'08 21° m 55'44 29° m 48'06 0° • 0° m 14° m 11'15 20° m 45'48 0° ×	0°34'55 0°34'24 0.60126 AU 27°50'27	minimum elong evening rise asc. node  evening max el retrograde evening set inferior conj minimum elong min. Earth dist. desc. node morning rise direct morning max el  morning set asc. node max. Earth dist.	13571 Jul 08 00:14 13571 Jul 09 23:22 13571 Jul 20 18:15 13571 Jul 26 11:09 13571 Jul 27 15:24 13571 Aug 07 01:58 13571 Aug 13 12:09 13571 Aug 16 03:58 13571 Aug 22 12:28 13571 Aug 22 12:28 13571 Aug 25 09:17 13571 Aug 28 11:26 13571 Aug 28 23:27 13571 Sep 04 15:48 13571 Oct 03 03:34 13571 Oct 20 12:24 13571 Oct 22 20:24 13571 Oct 22 13:08 13571 Oct 28 04:02	26°\$46'14 0°\$\Omega\$18'\$\Omega\$14'39 28°\$\Omega\$01'16 0°\$\mathbf{m}\$49'06 18°\$\mathbf{m}\$99'41 17°\$\mathbf{m}\$34'03 12°\$\mathbf{m}\$22'14 12°\$\mathbf{m}\$15'57 9°\$\mathbf{m}\$22'59 6°\$\mathbf{m}\$36'21 6°\$\mathbf{m}\$13'54 3°\$\mathbf{m}\$48'57 11°\$\mathbf{m}\$50'05 0°\$\mathbf{n}\$ 4°\$\mathbf{m}\$40'59 4°\$\mathbf{m}\$04'00 15°\$\mathbf{m}\$53'09	18°04'10 1°42'10 1°41'01 0.62407 AU 27°56'16
asc. node  evening max el retrograde evening set  inferior conj minimum elong desc. node min. Earth dist. morning rise direct morning max el  asc. node morning set  max. Earth dist. superior conj	13570 Aug 07 06:52 13570 Aug 08 14:28 13570 Aug 22 01:32 13570 Aug 23 11:53 13570 Aug 30 08:44 13570 Sep 01 16:17 13570 Sep 08 10:11 13570 Sep 08 16:07 13570 Sep 10 13:54 13570 Sep 10 13:54 13570 Sep 11 21:44 13570 Sep 15 14:59 13570 Sep 22 03:57 13570 Oct 06 11:18 13570 Oct 06 16:06 13570 Oct 28 03:05 13570 Nov 04 16:26 13570 Nov 07 21:27 13570 Nov 12 04:32 13570 Nov 13 23:57	5° m 59'55 8° m 22'54 0° Ω 1° Ω 32'26 5° Ω 03'16 4° Ω 39'38 30° R m 29° m 46'21 29° m 43'50 28° m 00'29 26° m 49'01 23° m 55'44 29° m 48'06 0° Ω 0° m 14° m 11'15 20° m 45'48 0° ズ 3° ズ 59'49	0°34'55 0°34'24 0.60126 AU 27°50'27	minimum elong evening rise asc. node  evening max el retrograde evening set inferior conj minimum elong min. Earth dist. desc. node morning rise direct morning max el  morning set asc. node max. Earth dist.	13571 Jul 08 00:14 13571 Jul 09 23:22 13571 Jul 20 18:15 13571 Jul 26 11:09 13571 Jul 27 15:24 13571 Aug 07 01:58 13571 Aug 13 12:09 13571 Aug 16 03:58 13571 Aug 22 12:28 13571 Aug 25 09:17 13571 Aug 28 11:26 13571 Aug 28 23:27 13571 Sep 04 15:48 13571 Oct 03 03:34 13571 Oct 20 12:24 13571 Oct 22 13:08 13571 Oct 28 04:02	26°\$46'14 0°\$\Omega\$ 18°\$\Omega\$14'39 28°\$\Omega\$01'16 0°\$\mathbf{m}\$ 14°\$\mathbf{m}\$49'06 18°\$\mathbf{m}\$09'41 17°\$\mathbf{m}\$34'03 12°\$\mathbf{m}\$22'14 12°\$\mathbf{m}\$15'57 9°\$\mathbf{m}\$22'59 6°\$\mathbf{m}\$36'21 6°\$\mathbf{m}\$13'54 3°\$\mathbf{m}\$48'57 11°\$\mathbf{m}\$50'05 0°\$\mathbf{n}\$ 0°\$\mathbf{m}\$ 4°\$\mathbf{m}\$40'59 4°\$\mathbf{m}\$04'00 15°\$\mathbf{m}\$53'09 20°\$\mathbf{m}\$44'57	18°04'10  1°42'10 1°41'01 0.62407 AU  27°56'16  1.31836 AU 1°08'51
asc. node  evening max el retrograde evening set  inferior conj minimum elong desc. node min. Earth dist. morning rise direct morning max el  asc. node morning set  max. Earth dist.	13570 Aug 07 06:52 13570 Aug 08 14:28 13570 Aug 22 01:32 13570 Aug 23 11:53 13570 Aug 30 08:44 13570 Sep 01 16:17 13570 Sep 08 10:11 13570 Sep 08 16:07 13570 Sep 10 13:54 13570 Sep 10 13:54 13570 Sep 11 21:44 13570 Sep 15 14:59 13570 Sep 22 03:57 13570 Oct 06 11:18 13570 Oct 06 16:06 13570 Oct 28 03:05 13570 Nov 04 16:26 13570 Nov 12 04:32 13570 Nov 13 23:57	5° m 59'55 8° m 22'54 0° Ω 1° Ω 32'26 5° Ω 03'16 4° Ω 39'38 30° R m 29° m 46'21 29° m 43'50 28° m 00'29 26° m 49'01 23° m 55'44 29° m 48'06 0° Ω 0° M 14° M 11'15 20° M 45'48 0° ズ 3° ズ 59'49	0°34'55 0°34'24 0.60126 AU 27°50'27 1.31269 AU 1°24'20	minimum elong evening rise asc. node  evening max el retrograde evening set inferior conj minimum elong min. Earth dist. desc. node morning rise direct morning max el  morning set asc. node max. Earth dist.	13571 Jul 08 00:14 13571 Jul 09 23:22 13571 Jul 20 18:15 13571 Jul 26 11:09 13571 Jul 27 15:24 13571 Aug 07 01:58 13571 Aug 13 12:09 13571 Aug 16 03:58 13571 Aug 22 12:28 13571 Aug 22 14:52 13571 Aug 25 09:17 13571 Aug 28 11:26 13571 Aug 28 23:27 13571 Sep 04 15:48 13571 Oct 03 03:34 13571 Oct 20 12:24 13571 Oct 22 13:08 13571 Oct 28 04:02 13571 Oct 30 09:33 13571 Oct 30 09:33	26°\$46'14 0°\$\Omega\$ 18°\$\Omega\$14'39 28°\$\Omega\$01'16 0°\$\mathbf{m}\$ 14°\$\mathbf{m}\$49'06 18°\$\mathbf{m}\$09'41 17°\$\mathbf{m}\$34'03 12°\$\mathbf{m}\$22'14 12°\$\mathbf{m}\$15'57 9°\$\mathbf{m}\$22'59 6°\$\mathbf{m}\$36'21 6°\$\mathbf{m}\$13'54 3°\$\mathbf{m}\$48'57 11°\$\mathbf{m}\$50'05 0°\$\mathbf{n}\$ 4°\$\mathbf{m}\$40'59 4°\$\mathbf{m}\$04'00 15°\$\mathbf{m}\$53'09 20°\$\mathbf{m}\$44'57 20°\$\mathbf{m}\$42'28	18°04'10  1°42'10 1°41'01 0.62407 AU  27°56'16  1.31836 AU 1°08'51
asc. node  evening max el retrograde evening set  inferior conj minimum elong desc. node min. Earth dist. morning rise direct morning max el  asc. node morning set  max. Earth dist. superior conj minimum elong	13570 Aug 07 06:52 13570 Aug 08 14:28 13570 Aug 22 01:32 13570 Aug 23 11:53 13570 Aug 30 08:44 13570 Sep 01 16:17 13570 Sep 08 10:11 13570 Sep 08 16:07 13570 Sep 10 13:54 13570 Sep 10 13:54 13570 Sep 11 21:44 13570 Sep 12 203:57 13570 Oct 06 11:18 13570 Oct 06 16:06 13570 Oct 28 03:05 13570 Nov 04 16:26 13570 Nov 07 21:27 13570 Nov 12 04:32 13570 Nov 13 23:57	5° m 59'55 8° m 22'54 0° Ω 1° Ω 32'26 5° Ω 03'16 4° Ω 39'38 30° R m 29° m 46'21 29° m 43'50 28° m 00'29 26° m 49'01 23° m 55'44 29° m 48'06 0° Ω 0° M 14° M 11'15 20° M 45'48 0° ズ 3° ズ 59'49	0°34'55 0°34'24 0.60126 AU 27°50'27 1.31269 AU 1°24'20	minimum elong evening rise asc. node evening max el retrograde evening set inferior conj minimum elong min. Earth dist. desc. node morning rise direct morning max el  morning set asc. node max. Earth dist. superior conj minimum elong	13571 Jul 08 00:14 13571 Jul 09 23:22 13571 Jul 20 18:15 13571 Jul 26 11:09 13571 Jul 27 15:24 13571 Aug 07 01:58 13571 Aug 13 12:09 13571 Aug 16 03:58 13571 Aug 22 12:28 13571 Aug 22 14:52 13571 Aug 25 09:17 13571 Aug 28 11:26 13571 Aug 28 23:27 13571 Sep 04 15:48 13571 Sep 18 18:04 13571 Oct 03 03:34 13571 Oct 20 12:24 13571 Oct 22 20:24 13571 Oct 28 04:02 13571 Oct 30 09:33 13571 Oct 30 07:16 13571 Nov 03 14:18	26° \$\times 46'14 0° \$\mathbb{O}\$ 18° \$\mathbb{O}\$14'39 28° \$\mathbb{O}\$01'16 0° \$\mathbb{M}\$ 14° \$\mathbb{M}\$49'06 18° \$\mathbb{M}\$09'41 17° \$\mathbb{M}\$34'03 12° \$\mathbb{M}\$22'14 12° \$\mathbb{M}\$15'57 9° \$\mathbb{M}\$22'59 6° \$\mathbb{M}\$36'21 6° \$\mathbb{M}\$36'21 6° \$\mathbb{M}\$36'21 6° \$\mathbb{M}\$36'21 6° \$\mathbb{M}\$36'05 0° \$\mathbb{O}\$ 0° \$\mathbb{M}\$ 4° \$\mathbb{M}\$40'05 15° \$\mathbb{M}\$53'09 20° \$\mathbb{M}\$44'57 20° \$\mathbb{M}\$32'28 0° \$\nall\$^4	18°04'10  1°42'10 1°41'01 0.62407 AU  27°56'16  1.31836 AU 1°08'51
asc. node  evening max el retrograde evening set  inferior conj minimum elong desc. node min. Earth dist. morning rise direct morning max el  asc. node morning set  max. Earth dist. superior conj minimum elong	13570 Aug 07 06:52 13570 Aug 08 14:28 13570 Aug 22 01:32 13570 Aug 23 11:53 13570 Aug 30 08:44 13570 Sep 01 16:17 13570 Sep 08 10:11 13570 Sep 08 16:07 13570 Sep 10 13:54 13570 Sep 10 13:54 13570 Sep 11 21:44 13570 Sep 12 203:57 13570 Oct 06 11:18 13570 Oct 06 16:06 13570 Oct 28 03:05 13570 Nov 04 16:26 13570 Nov 07 21:27 13570 Nov 12 04:32 13570 Nov 15 00:26 13570 Nov 15 00:26 13570 Nov 14 22:30 13570 Nov 21 17:10	5° m 59'55 8° m 22'54 0° \( \oldsymbol{\Omega}\) 1° \( \oldsymbol{\Omega}\) 1° \( \oldsymbol{\Omega}\) 30° R m 29° m 46'21 29° m 43'50 28° m 00'29 26° m 49'01 23° m 59'08 21° m 55'44 29° m 48'06 0° \( \oldsymbol{\Omega}\) 14° m 11'15 20° m 45'48 0° \( \oldsymbol{\Omega}\) 3° \( \oldsymbol{\Omega}\) 6° \( \oldsymbol{\Omega}\) 6° \( \oldsymbol{\Omega}\) 6° \( \oldsymbol{\Omega}\) 15'55 6° \( \oldsymbol{\Omega}\) 05'10 21° \( \oldsymbol{\Omega}\) 33'339	0°34'55 0°34'24 0.60126 AU 27°50'27 1.31269 AU 1°24'20	minimum elong evening rise asc. node evening max el retrograde evening set inferior conj minimum elong min. Earth dist. desc. node morning rise direct morning max el  morning set asc. node max. Earth dist. superior conj minimum elong	13571 Jul 08 00:14 13571 Jul 09 23:22 13571 Jul 20 18:15 13571 Jul 26 11:09 13571 Jul 27 15:24 13571 Aug 07 01:58 13571 Aug 13 12:09 13571 Aug 16 03:58 13571 Aug 22 12:28 13571 Aug 22 12:28 13571 Aug 25 09:17 13571 Aug 28 11:26 13571 Aug 28 23:27 13571 Aug 28 23:27 13571 Sep 04 15:48 13571 Oct 03 03:34 13571 Oct 03 03:34 13571 Oct 20 12:24 13571 Oct 22 13:08 13571 Oct 28 04:02  13571 Oct 30 09:33 13571 Oct 30 07:16 13571 Nov 03 14:18 13571 Nov 06 03:58	26°\$46'14 0°\$\Omega\$18'\$\Omega\$14'39 28°\$\Omega\$01'16 0°\$\mathrm{m}\$49'06 18°\$\mathrm{m}\$9'41 17°\$\mathrm{m}\$34'03 12°\$\mathrm{m}\$22'14 12°\$\mathrm{m}\$15'57 9°\$\mathrm{m}\$22'59 6°\$\mathrm{m}\$36'21 6°\$\mathrm{m}\$13'54 3°\$\mathrm{m}\$48'57 11°\$\mathrm{m}\$50'05 0°\$\mathrm{n}\$ 4°\$\mathrm{m}\$40'00 15°\$\mathrm{m}\$53'09 20°\$\mathrm{m}\$44'57 20°\$\mathrm{m}\$32'28 0°\$\mathrm{s}\$7 5°\$\mathrm{s}\$36'02	18°04'10  1°42'10 1°41'01 0.62407 AU  27°56'16  1.31836 AU 1°08'51
asc. node  evening max el retrograde evening set  inferior conj minimum elong desc. node min. Earth dist. morning rise direct morning max el  asc. node morning set  max. Earth dist.  superior conj minimum elong evening rise	13570 Aug 07 06:52 13570 Aug 08 14:28 13570 Aug 22 01:32 13570 Aug 23 11:53 13570 Aug 30 08:44 13570 Sep 01 16:17 13570 Sep 08 10:11 13570 Sep 08 16:07 13570 Sep 10 13:54 13570 Sep 10 13:54 13570 Sep 11 21:44 13570 Sep 12 203:57 13570 Oct 06 11:18 13570 Oct 06 16:06 13570 Oct 28 03:05 13570 Nov 04 16:26 13570 Nov 04 16:26 13570 Nov 12 04:32 13570 Nov 13 23:57  13570 Nov 15 00:26 13570 Nov 14 22:30 13570 Nov 21 17:10 13570 Nov 25 23:45	5° m 59'55 8° m 22'54 0° \( \oldsymbol{\Omega}\) 1° \( \oldsymbol{\Omega}\) 1° \( \oldsymbol{\Omega}\) 30° R m 29° m 46'21 29° m 43'50 28° m 00'29 26° m 49'01 23° m 55'44 29° m 48'06 0° \( \oldsymbol{\Omega}\) 10° M. 14° M.11'15 20° M.45'48 0° \( \oldsymbol{\Omega}\) 3° \( \oldsymbol{\Omega}\) 6° \( \oldsymbol{\Omega}\) 6° \( \oldsymbol{\Omega}\) 6° \( \oldsymbol{\Omega}\) 6° \( \oldsymbol{\Omega}\) 15'55 6° \( \oldsymbol{\Omega}\) 0° \( \oldsymbol{\Omega}\) 0° \( \oldsymbol{\Omega}\)	0°34'55 0°34'24 0.60126 AU 27°50'27 1.31269 AU 1°24'20	minimum elong evening rise asc. node  evening max el retrograde evening set inferior conj minimum elong min. Earth dist. desc. node morning rise direct morning max el  morning set asc. node max. Earth dist. superior conj minimum elong evening rise	13571 Jul 08 00:14 13571 Jul 09 23:22 13571 Jul 20 18:15 13571 Jul 26 11:09 13571 Jul 27 15:24 13571 Aug 07 01:58 13571 Aug 13 12:09 13571 Aug 16 03:58 13571 Aug 22 12:28 13571 Aug 22 14:52 13571 Aug 25 09:17 13571 Aug 28 11:26 13571 Aug 28 23:27 13571 Aug 28 23:27 13571 Sep 04 15:48 13571 Oct 03 03:34 13571 Oct 03 03:34 13571 Oct 20 12:24 13571 Oct 22 20:24 13571 Oct 22 13:08 13571 Oct 28 04:02 13571 Oct 30 09:33 13571 Oct 30 07:16 13571 Nov 03 14:18 13571 Nov 06 03:58 13571 Nov 08 03:23	26°\$46'14 0°\$\Pi\$ 18°\$\Pi\$14'39 28°\$\Pi\$01'16 0°\$\pi\$ 14°\$\pi\$49'06 18°\$\pi\$09'41 17°\$\pi\$34'03 12°\$\pi\$22'14 12°\$\pi\$15'57 9°\$\pi\$22'59 6°\$\pi\$36'21 6°\$\pi\$13'54 3°\$\pi\$48'57 11°\$\pi\$50'05 0°\$\Pi\$ 0°\$\Pi\$ 4°\$\pi\$40'59 4°\$\pi\$40'00 15°\$\Pi\$53'09 20°\$\Pi\$42'57 20°\$\Pi\$36'02 0°\$\Fi\$	18°04'10  1°42'10 1°41'01 0.62407 AU  27°56'16  1.31836 AU 1°08'51 1°09'15
asc. node  evening max el retrograde evening set  inferior conj minimum elong desc. node min. Earth dist. morning rise direct morning max el  asc. node morning set  max. Earth dist.  superior conj minimum elong evening rise	13570 Aug 07 06:52 13570 Aug 08 14:28 13570 Aug 22 01:32 13570 Aug 23 11:53 13570 Aug 30 08:44 13570 Sep 01 16:17 13570 Sep 08 10:11 13570 Sep 08 16:07 13570 Sep 10 13:54 13570 Sep 11 21:44 13570 Sep 12 14:59 13570 Sep 22 03:57 13570 Oct 06 11:18 13570 Oct 06 16:06 13570 Oct 28 03:05 13570 Nov 04 16:26 13570 Nov 04 16:26 13570 Nov 12 04:32 13570 Nov 13 23:57  13570 Nov 14 22:30 13570 Nov 14 22:30 13570 Nov 25 23:45 13570 Nov 25 23:45 13570 Dec 07 10:48	5° m 59'55 8° m 22'54 0° Ω 1° Ω 32'26 5° Ω 03'16 4° Ω 39'38 30° R m 29° m 46'21 29° m 43'50 28° m 00'29 26° m 49'01 23° m 55'44 29° m 48'06 0° Ω 0° m 14° m 11'15 20° m 45'48 0° ズ 3° ズ 59'49 6° ズ 15'55 6° ズ 05'10 21° ズ 03'39 0° ጜ 20° ጜ 24'24	0°34'55 0°34'24 0.60126 AU 27°50'27 1.31269 AU 1°24'20	minimum elong evening rise asc. node  evening max el retrograde evening set inferior conj minimum elong min. Earth dist. desc. node morning rise direct morning max el  morning set asc. node max. Earth dist. superior conj minimum elong evening rise desc. node	13571 Jul 08 00:14 13571 Jul 09 23:22 13571 Jul 20 18:15 13571 Jul 26 11:09 13571 Jul 27 15:24 13571 Aug 07 01:58 13571 Aug 13 12:09 13571 Aug 16 03:58 13571 Aug 22 12:28 13571 Aug 22 12:28 13571 Aug 25 09:17 13571 Aug 28 11:26 13571 Aug 28 23:27 13571 Aug 28 23:27 13571 Aug 28 13:48 13571 Oct 03 03:34 13571 Oct 03 03:34 13571 Oct 20 12:24 13571 Oct 22 20:24 13571 Oct 22 13:08 13571 Oct 28 04:02 13571 Oct 30 07:16 13571 Nov 03 14:18 13571 Nov 06 03:58 13571 Nov 18 20:32 13571 Nov 18 20:32	26°\$46'14 0°\$\alpha\$ 18°\$\alpha\$14'39 28°\$\alpha\$01'16 0°\$\mathrm{m}\$ 14°\$\mathrm{m}\$49'06 18°\$\mathrm{m}\$09'41 17°\$\mathrm{m}\$34'03 12°\$\mathrm{m}\$22'14 12°\$\mathrm{m}\$15'57 9°\$\mathrm{m}\$22'59 6°\$\mathrm{m}\$36'21 6°\$\mathrm{m}\$36'21 6°\$\mathrm{m}\$36'21 6°\$\mathrm{m}\$36'21 6°\$\mathrm{m}\$36'21 6°\$\mathrm{m}\$36'05 0°\$\mathrm{m}\$48'557 11°\$\mathrm{m}\$50'05 0°\$\mathrm{m}\$40'400 15°\$\mathrm{m}\$53'09 20°\$\mathrm{m}\$44'57 20°\$\mathrm{m}\$32'28 0°\$\mathrm{s}\$736'02 0°\$\mathrm{s}\$8"\$36'04	18°04'10  1°42'10 1°41'01 0.62407 AU  27°56'16  1.31836 AU 1°08'51 1°09'15
asc. node  evening max el retrograde evening set  inferior conj minimum elong desc. node min. Earth dist. morning rise direct morning max el  asc. node morning set  max. Earth dist.  superior conj minimum elong evening rise desc. node	13570 Aug 07 06:52 13570 Aug 08 14:28 13570 Aug 22 01:32 13570 Aug 23 11:53 13570 Aug 30 08:44 13570 Sep 01 16:17 13570 Sep 08 10:11 13570 Sep 08 16:07 13570 Sep 10 13:54 13570 Sep 11 21:44 13570 Sep 11 21:44 13570 Sep 15 14:59 13570 Oct 06 11:18 13570 Oct 06 16:06 13570 Oct 28 03:05 13570 Nov 04 16:26 13570 Nov 07 21:27 13570 Nov 12 04:32 13570 Nov 13 23:57  13570 Nov 14 22:30 13570 Nov 25 23:45 13570 Nov 25 23:45 13570 Dec 07 10:48 13570 Dec 14 10:39	5° m 59'55 8° m 22'54 0° Ω 1° Ω 32'26 5° Ω 03'16 4° Ω 39'38 30° R m 29° m 46'21 29° m 43'50 28° m 00'29 26° m 49'01 23° m 55'44 29° m 48'06 0° Ω 0° M 14° M 11'15 20° M 45'48 0° ¾ 3° ¾ 59'49 6° ¾ 15'55 6° ¾ 05'10 21° ¾ 03'39 0° ♂ 20° ♂ 224'24 0° ≈	0°34'55 0°34'24 0.60126 AU 27°50'27 1.31269 AU 1°24'20 1°25'02	minimum elong evening rise asc. node evening max el retrograde evening set inferior conj minimum elong min. Earth dist. desc. node morning rise direct morning max el  morning set asc. node max. Earth dist. superior conj minimum elong evening rise desc. node evening max el	13571 Jul 08 00:14 13571 Jul 09 23:22 13571 Jul 20 18:15 13571 Jul 26 11:09 13571 Jul 27 15:24 13571 Aug 07 01:58 13571 Aug 13 12:09 13571 Aug 16 03:58 13571 Aug 22 12:28 13571 Aug 22 14:52 13571 Aug 25 09:17 13571 Aug 28 11:26 13571 Aug 28 23:27 13571 Aug 28 23:27 13571 Sep 04 15:48 13571 Oct 03 03:34 13571 Oct 20 12:24 13571 Oct 20 12:24 13571 Oct 22 20:24 13571 Oct 22 13:08 13571 Oct 28 04:02 13571 Oct 30 07:16 13571 Nov 03 14:18 13571 Nov 06 03:58 13571 Nov 18 20:32 13571 Nov 18 20:32 13571 Nov 24 07:56 13571 Dec 01 00:27	26°\$46'14 0°\$\alpha\$ 18°\$\alpha\$14'39 28°\$\alpha\$01'16 0°\$\mathbf{m}\$ 14°\$\mathbf{m}\$49'06 18°\$\mathbf{m}\$09'41 17°\$\mathbf{m}\$34'03 12°\$\mathbf{m}\$22'14 12°\$\mathbf{m}\$15'57 9°\$\mathbf{m}\$22'59 6°\$\mathbf{m}\$36'21 6°\$\mathbf{m}\$13'54 3°\$\mathbf{m}\$48'57 11°\$\mathbf{m}\$50'05 0°\$\mathbf{a}\$ 0°\$\mathbf{m}\$ 4°\$\mathbf{m}\$40'59 4°\$\mathbf{m}\$40'00 15°\$\mathbf{m}\$53'09  20°\$\mathbf{m}\$44'57 20°\$\mathbf{m}\$32'28 0°\$\mathbf{n}\$ 5°\$\mathbf{n}\$36'02 0°\$\mathbf{n}\$ 8°\$ <b>3</b> 08'04 15°\$ <b>5</b> \$50'23	18°04'10  1°42'10 1°41'01 0.62407 AU  27°56'16  1.31836 AU 1°08'51 1°09'15
asc. node  evening max el retrograde evening set  inferior conj minimum elong desc. node min. Earth dist. morning rise direct morning max el  asc. node morning set  max. Earth dist. superior conj minimum elong evening rise desc. node evening max el	13570 Aug 07 06:52 13570 Aug 08 14:28 13570 Aug 22 01:32 13570 Aug 23 11:53 13570 Aug 30 08:44 13570 Sep 01 16:17 13570 Sep 08 10:11 13570 Sep 08 16:07 13570 Sep 10 13:54 13570 Sep 11 21:44 13570 Sep 11 21:44 13570 Sep 15 14:59 13570 Oct 06 16:06 13570 Oct 06 16:06 13570 Oct 28 03:05 13570 Nov 04 16:26 13570 Nov 07 21:27 13570 Nov 12 04:32 13570 Nov 13 23:57  13570 Nov 15 00:26 13570 Nov 14 22:30 13570 Nov 25 23:45 13570 Nov 25 23:45 13570 Dec 07 10:48 13570 Dec 14 10:39 13570 Dec 19 12:08	5° m 59'55 8° m 22'54 0° Ω 1° Ω 32'26 5° Ω 03'16 4° Ω 39'38 30° R m 29° m 46'21 29° m 43'50 28° m 00'29 26° m 49'01 23° m 55'44 29° m 48'06 0° Ω 0° M 14° M 11'15 20° M 45'48 0° ¾ 3° ¾ 59'49 6° ¾ 15'55 6° ¾ 05'10 21° ¾ 03'39 0° ♂ 20° ♂ 224'24 0° ≈ 5° ≈ 28'14	0°34'55 0°34'24 0.60126 AU 27°50'27 1.31269 AU 1°24'20 1°25'02	evening rise asc. node  evening max el retrograde evening set inferior conj minimum elong min. Earth dist. desc. node morning rise direct morning max el  morning set asc. node max. Earth dist. superior conj minimum elong evening rise desc. node evening rise	13571 Jul 08 00:14 13571 Jul 09 23:22 13571 Jul 20 18:15 13571 Jul 26 11:09 13571 Jul 27 15:24 13571 Aug 07 01:58 13571 Aug 13 12:09 13571 Aug 16 03:58 13571 Aug 22 12:28 13571 Aug 22 14:52 13571 Aug 28 11:26 13571 Aug 28 11:26 13571 Aug 28 13:27 13571 Sep 04 15:48 13571 Sep 18 18:04 13571 Oct 03 03:34 13571 Oct 20 12:24 13571 Oct 20 12:24 13571 Oct 22 20:24 13571 Oct 22 13:08 13571 Oct 28 04:02 13571 Oct 30 09:33 13571 Oct 30 07:16 13571 Nov 03 14:18 13571 Nov 06 03:58 13571 Nov 18 20:32 13571 Nov 18 20:32 13571 Dec 01 00:27 13571 Dec 01 00:27 13571 Dec 14 16:17	26°\$46'14 0°\$\alpha\$ 18°\$\alpha\$14'39 28°\$\alpha\$01'16 0°\$\mathbf{m}\$ 14°\$\mathbf{m}\$49'06 18°\$\mathbf{m}\$09'41 17°\$\mathbf{m}\$34'03 12°\$\mathbf{m}\$22'14 12°\$\mathbf{m}\$15'57 9°\$\mathbf{m}\$22'59 6°\$\mathbf{m}\$36'21 6°\$\mathbf{m}\$36'21 6°\$\mathbf{m}\$36'21 6°\$\mathbf{m}\$36'21 6°\$\mathbf{m}\$36'21 6°\$\mathbf{m}\$48'57 11°\$\mathbf{m}\$50'05 0°\$\mathbf{n}\$ 0°\$\mathbf{m}\$ 4°\$\mathbf{m}\$40'59 4°\$\mathbf{m}\$40'400 15°\$\mathbf{m}\$53'09 20°\$\mathbf{m}\$44'57 20°\$\mathbf{m}\$36'02 0°\$\mathbf{m}\$\$\mathbf{m}\$36'02 0°\$\mathbf{m}\$\$\$36'02 0°\$\mathbf{m}\$\$\$38'43	18°04'10  1°42'10 1°41'01 0.62407 AU  27°56'16  1.31836 AU 1°08'51 1°09'15
asc. node  evening max el retrograde evening set  inferior conj minimum elong desc. node min. Earth dist. morning rise direct morning max el  asc. node morning set  max. Earth dist. superior conj minimum elong evening rise desc. node  evening max el retrograde	13570 Aug 07 06:52 13570 Aug 08 14:28 13570 Aug 22 01:32 13570 Aug 23 11:53 13570 Aug 30 08:44 13570 Sep 01 16:17 13570 Sep 08 10:11 13570 Sep 08 16:07 13570 Sep 10 13:54 13570 Sep 11 21:44 13570 Sep 12 12:44 13570 Sep 15 14:59 13570 Oct 06 11:18 13570 Oct 06 16:06 13570 Oct 06 16:06 13570 Oct 28 03:05 13570 Nov 04 16:26 13570 Nov 07 21:27 13570 Nov 12 04:32 13570 Nov 13 23:57  13570 Nov 15 00:26 13570 Nov 25 23:45 13570 Dec 07 10:48 13570 Dec 14 10:39 13570 Dec 19 12:08 13570 Dec 19 12:08	5° m 59'55 8° m 22'54 0° \( \text{\text{\$\sigma}} \) 1° \( \text{\text{\$\sigma}} \) 32'26 5° \( \text{\text{\$\sigma}} \) 30'8 \( \text{\text{\$\text{\$\sigma}}} \) 29° m 46'21 29° m 43'50 28° m 00'29 26° m 49'01 23° m 59'08 21° m 55'44 29° m 48'06 0° \( \text{\text{\$\sigma}} \) 0° \( \text{\text{\$\text{\$\sigma}}} \) 14° m 11'15 20° m 45'48 0° \( \text{\text{\$\sigma}} \) 3° \( \text{\text{\$\sigma}} \) 3° \( \text{\text{\$\sigma}} \) 6° \( \text{\text{\$\sigma}} \) 15'55 6° \( \text{\text{\$\sigma}} \) 0° \( \text{\text{\$\sigma}} \) 20° \( \text{\text{\$\sigma}} \) 24'24 0° \( \text{\text{\$\sigma}} \) 5° \( \text{\text{\$\sigma}} \) 28'14 12° \( \text{\text{\$\sigma}} \) 30'09	0°34'55 0°34'24 0.60126 AU 27°50'27 1.31269 AU 1°24'20 1°25'02	evening rise asc. node  evening max el retrograde evening set inferior conj minimum elong min. Earth dist. desc. node morning rise direct morning max el  morning set asc. node max. Earth dist. superior conj minimum elong evening rise desc. node evening rise desc. node evening set	13571 Jul 08 00:14 13571 Jul 09 23:22 13571 Jul 20 18:15 13571 Jul 26 11:09 13571 Jul 27 15:24 13571 Aug 07 01:58 13571 Aug 13 12:09 13571 Aug 16 03:58 13571 Aug 22 12:28 13571 Aug 22 14:52 13571 Aug 25 09:17 13571 Aug 28 11:26 13571 Aug 28 23:27 13571 Sep 04 15:48 13571 Sep 18 18:04 13571 Oct 03 03:34 13571 Oct 20 12:24 13571 Oct 22 20:24 13571 Oct 22 13:08 13571 Oct 22 13:08 13571 Oct 28 04:02 13571 Oct 30 09:33 13571 Oct 30 09:33 13571 Oct 30 07:16 13571 Nov 03 14:18 13571 Nov 04 03:58 13571 Nov 05 03:58 13571 Nov 18 20:32 13571 Nov 24 07:56 13571 Dec 01 00:27 13571 Dec 14 16:17 13571 Dec 19 18:10	26°\$46'14 0°\$\alpha\$ 18°\$\alpha\$14'39 28°\$\alpha\$01'16 0°\$\mathbf{m}\$ 14°\$\mathbf{m}\$49'06 18°\$\mathbf{m}\$09'41 17°\$\mathbf{m}\$34'03 12°\$\mathbf{m}\$22'14 12°\$\mathbf{m}\$15'57 9°\$\mathbf{m}\$22'59 6°\$\mathbf{m}\$36'21 6°\$\mathbf{m}\$36'21 6°\$\mathbf{m}\$36'21 6°\$\mathbf{m}\$36'57 11°\$\mathbf{m}\$50'05 0°\$\mathbf{m}\$ 0°\$\mathbf{m}\$ 4°\$\mathbf{m}\$40'59 4°\$\mathbf{m}\$40'59 4°\$\mathbf{m}\$40'00 15°\$\mathbf{m}\$53'09 20°\$\mathbf{m}\$44'57 20°\$\mathbf{m}\$32'28 0°\$\mathbf{s}\$ 0°\$\mathbf{s}\$ 5°\$\mathbf{s}\$36'02 0°\$\mathbf{s}\$ 8°\$\mathbf{s}\$08'04 15°\$\mathbf{s}\$50'23 22°\$\mathbf{s}\$38'43 21°\$\mathbf{s}\$42'10	18°04'10  1°42'10 1°41'01 0.62407 AU  27°56'16  1.31836 AU 1°08'51 1°09'15  24°16'04  0.55855 AU

minimum elong	13571 Dec 27 23:07	17° <b>る</b> 18'11	5°36'10	min. Earth dist.	13572 Dec 05 18:40	28° <b>√</b> 18'39	0.54758 AU
morning rise	13572 Jan 05 06:01	13° <b>る</b> 27'59	2 20 10	inferior conj	13572 Dec 06 15:36	27° <b>×7</b> 49'06	
direct	13572 Jan 07 17:15	13°る12'02		minimum elong	13572 Dec 06 13:49	27° <b>х</b> 51'37	
morning max el	13572 Jan 17 21:18	18° <b>ට</b> 05'27	19°50'03	morning rise	13572 Dec 15 02:20	24° <b>₹</b> '01'24	
asc. node	13572 Jan 18 12:50	18° <b>ප්</b> 44'03		direct	13572 Dec 18 07:37	23° <b>∡</b> ³37'48	
	13572 Jan 26 17:58	0° <b>≈</b>		morning max el	13572 Dec 30 00:45	29° <b>∡</b> 13'48	21°15'21
morning set	13572 Feb 04 13:40	16° <b>≈</b> 43'04		· ·	13572 Dec 30 19:35	0°ರ	
_	13572 Feb 11 02:48	0° <b>)</b>		asc. node	13573 Jan 04 10:03	5° <b>る</b> 27'27	
					13573 Jan 18 06:05	0° <b>≈</b>	
superior conj	13572 Feb 12 09:49	2° <b>)</b> 34'35	1°01'24	morning set	13573 Jan 18 22:40	1° <b>≈</b> 26′11	
minimum elong	13572 Feb 12 12:34	2° <b>)</b> 48′15	1°01'34				
max. Earth dist.	13572 Feb 18 11:36	14° <b>¥</b> 16′35	1.37302 AU	superior conj	13573 Jan 26 05:26	16° <b>≈</b> 42′26	1°20'11
desc. node	13572 Feb 20 08:22	17° <b>)</b> 42′56		minimum elong	13573 Jan 26 07:50	16° <b>≈</b> 54'48	1°20'43
evening rise	13572 Feb 22 05:07	21° <b>∺</b> 04'49		max. Earth dist.	13573 Jan 30 21:50	26° <b>≈</b> 12'07	1.35233 AU
	13572 Feb 27 08:46	0° <b>Υ</b>			13573 Feb 01 20:28	0° <b>∀</b>	
	13572 Mar 18 10:45	0° <b>8</b>		evening rise	13573 Feb 03 23:12	4° <b>)</b> €01'43	
evening max el	13572 Mar 28 16:53	11° <b>8</b> 53'43	25°26'21	desc. node	13573 Feb 06 04:56	8° <b>¥</b> 10′30	
retrograde	13572 Apr 09 22:53	18° <b>8</b> 58'39			13573 Feb 19 06:08	0° <b>Υ</b>	
asc. node	13572 Apr 15 09:27	16° <b>8</b> 54'07		evening max el	13573 Mar 11 06:42	25° <b>Y</b> 42'07	26°30'31
evening set	13572 Apr 15 20:18	16° <b>8</b> 32'05			13573 Mar 16 08:38	0°8	
min. Earth dist.	13572 Apr 20 04:18	11° <b>8</b> 46'36	0.67801 AU	retrograde	13573 Mar 24 06:48	3° <b>8</b> 03'27	
inferior conj	13572 Apr 21 12:52	10° <b>8</b> 01'30	1°48'28	evening set	13573 Mar 30 14:51	0° <b>8</b> 31'43	
minimum elong	13572 Apr 21 10:46	10° <b>8</b> 08'15	1°47'14	1	13573 Mar 31 05:49	30° <b>₹</b> Υ 27° <b>Υ</b> 58'03	
morning rise	13572 Apr 27 01:40	4° <b>8</b> 09'06 2° <b>8</b> 58'48		asc. node	13573 Apr 02 06:53	2/° γ 38·03 26° γ 21'02	0.66505 ATT
direct	13572 Apr 30 13:38	6° <b>8</b> 45'12	19°08'08	min. Earth dist.	13573 Apr 03 16:53 13573 Apr 05 13:53	26° γ 21 02 24° γ 05'33	0.66595 AU 1°01'12
morning max el desc. node	13572 May 07 11:45 13572 May 18 10:32	20° <b>8</b> 54'30	19-08-08	inferior conj minimum elong	13573 Apr 05 13:53 13573 Apr 05 12:24	24° <b>Y</b> 10'00	1°00'21
greatest brilliancy	13572 May 18 10.32 13572 May 20 11:20	20 85430 23°855'30	-0.7m	morning rise	13573 Apr 03 12.24 13573 Apr 11 10:57	18° <b>Υ</b> 24'07	1 00 21
greatest offinancy	13572 May 20 11:20 13572 May 24 11:46	0°Ⅱ	-0.7111	direct	13573 Apr 14 12:22	18 <b>γ</b> 24 07 17° <b>Υ</b> 31'41	
morning set	13572 May 24 11:40 13572 May 31 04:55	10° <b>Ⅱ</b> 18'54		morning max el	13573 Apr 14 12:22 13573 Apr 20 23:26	20° <b>Υ</b> 57'22	18°23'50
morning set	13572 Jun 12 20:57	0°95		morning max ci	13573 Apr 28 04:26	0°8	10 23 30
max. Earth dist.	13572 Jun 13 16:25		1.45412 AU	desc. node	13573 May 05 07:14	10° <b>8</b> 51'31	
man. Darur alov.	15572 van 15 10.20		1.10112110	morning set	13573 May 11 04:48	20° <b>8</b> 11'12	
superior conj	13572 Jun 16 14:12	5°950'52	-2°13'36		13573 May 17 09:49	0°II	
minimum elong	13572 Jun 16 14:35	5°952'22			.,		
evening rise	13572 Jul 01 07:11	29° <b>©</b> 30'36		superior conj	13573 May 26 22:22	14° <b>Ⅱ</b> 55'32	-2°04'09
evening rise	13572 Jul 01 07:11 13572 Jul 01 14:22	29° <b>©</b> 30'36 0° <b>Ω</b>		superior conj minimum elong	13573 May 26 22:22 13573 May 26 15:24		-2°04'09 2°04'45
asc. node					•		
-	13572 Jul 01 14:22	0° <b>Ω</b> 17° <b>Ω</b> 20'16	18°20'20	minimum elong	13573 May 26 15:24	14° <b>Ⅱ</b> 28′20	2°04'45
asc. node	13572 Jul 01 14:22 13572 Jul 12 07:55	0° <b>Ω</b> 17° <b>Ω</b> 20'16	18°20'20	minimum elong	13573 May 26 15:24 13573 May 27 12:09	14° <b>Ⅱ</b> 28'20 15° <b>Ⅱ</b> 49'19	2°04'45
asc. node	13572 Jul 01 14:22 13572 Jul 12 07:55 13572 Jul 20 16:01	0° <b>Ω</b> 17° <b>Ω</b> 20'16 28° <b>Ω</b> 22'51	18°20'20	minimum elong max. Earth dist.	13573 May 26 15:24 13573 May 27 12:09 13573 Jun 05 14:01	14°∏28'20 15°∏49'19 0°© 9°©46'09 24°©48'10	2°04'45
asc. node evening max el	13572 Jul 01 14:22 13572 Jul 12 07:55 13572 Jul 20 16:01 13572 Jul 22 12:27 13572 Jul 27 01:13 13572 Jul 30 01:39	0° N 17° N20'16 28° N22'51 0° M	18°20'20	minimum elong max. Earth dist.	13573 May 26 15:24 13573 May 27 12:09 13573 Jun 05 14:01 13573 Jun 11 19:33	14°∏28'20 15°∏49'19 0°© 9°©46'09 24°©48'10 0°Ω	2°04'45 1.45850 AU
asc. node evening max el retrograde evening set	13572 Jul 01 14:22 13572 Jul 12 07:55 13572 Jul 20 16:01 13572 Jul 22 12:27 13572 Jul 27 01:13 13572 Jul 30 01:39 13572 Jul 31 11:50	0° N 17° N20'16 28° N22'51 0° M 1° M46'57 0° M56'47 30° RN		minimum elong max. Earth dist. evening rise greatest brilliancy asc. node	13573 May 26 15:24 13573 May 27 12:09 13573 Jun 05 14:01 13573 Jun 11 19:33 13573 Jun 21 10:13	14° Π28'20 15° Π49'19 0° \$ 9° \$46'09 24° \$48'10 0° \$ 6° \$\Omega\$13'04	2°04'45 1.45850 AU -0.8m
asc. node evening max el retrograde evening set inferior conj	13572 Jul 01 14:22 13572 Jul 12 07:55 13572 Jul 20 16:01 13572 Jul 22 12:27 13572 Jul 27 01:13 13572 Jul 30 01:39 13572 Jul 31 11:50 13572 Aug 04 22:27	0° N 17° N20'16 28° N22'51 0° M 1° M 46'57 0° M 56'47 30° R N 25° N28'17	2°28'24	minimum elong max. Earth dist. evening rise greatest brilliancy asc. node evening max el	13573 May 26 15:24 13573 May 27 12:09 13573 Jun 05 14:01 13573 Jun 11 19:33 13573 Jun 21 10:13 13573 Jun 24 20:20 13573 Jun 29 04:47 13573 Jul 04 03:12	14° M28'20 15° M49'19 0° S 9° S46'09 24° S48'10 0° A 6° A13'04 12° A06'21	2°04'45 1.45850 AU
asc. node evening max el  retrograde evening set  inferior conj minimum elong	13572 Jul 01 14:22 13572 Jul 12 07:55 13572 Jul 20 16:01 13572 Jul 22 12:27 13572 Jul 27 01:13 13572 Jul 30 01:39 13572 Jul 31 11:50 13572 Aug 04 22:27 13572 Aug 05 00:49	0° N 17° N20'16 28° N22'51 0° M 1° M46'57 0° M56'47 30° RN 25° N28'17 25° N21'24	2°28'24 2°27'10	minimum elong max. Earth dist. evening rise greatest brilliancy asc. node evening max el retrograde	13573 May 26 15:24 13573 May 27 12:09 13573 Jun 05 14:01 13573 Jun 11 19:33 13573 Jun 21 10:13 13573 Jun 24 20:20 13573 Jun 29 04:47 13573 Jul 04 03:12 13573 Jul 10 20:20	14° Π28'20 15° Π49'19 0° \$\mathref{9}\$ \$\mathref{9}\$ \$\mathref{9}\$ \$\mathref{4}\$ \$48'10\$ 0° \$\Omega\$ \$\mathref{6}\$ \$\mathref{0}\$ \$\mathref{1}\$ \$13'04\$ 12° \$\mathref{0}\$ \$\mathref{0}\$ \$\mathref{0}\$ \$\mathref{1}\$ \$\mathref{0}\$ \$\mathref{0}\$ \$\mathref{0}\$ \$\mathref{1}\$ \$\mathref{0}\$	2°04'45 1.45850 AU -0.8m
asc. node evening max el  retrograde evening set  inferior conj minimum elong min. Earth dist.	13572 Jul 01 14:22 13572 Jul 12 07:55 13572 Jul 20 16:01 13572 Jul 22 12:27 13572 Jul 27 01:13 13572 Jul 30 01:39 13572 Jul 31 11:50 13572 Aug 04 22:27 13572 Aug 05 00:49 13572 Aug 07 06:09	0° N 17° N20'16 28° N22'51 0° M 1° M46'57 0° M56'47 30° RN 25° N28'17 25° N22'124 22° N46'40	2°28'24	minimum elong max. Earth dist. evening rise greatest brilliancy asc. node evening max el retrograde evening set	13573 May 26 15:24 13573 May 27 12:09 13573 Jun 05 14:01 13573 Jun 11 19:33 13573 Jun 21 10:13 13573 Jun 24 20:20 13573 Jun 29 04:47 13573 Jul 04 03:12 13573 Jul 10 20:20 13573 Jul 14 05:41	14° \$\Pi28'20\$ 15° \$\Pi49'19\$ 0° \$\Sigma\$ 9° \$\Sigma46'09\$ 24° \$\Sigma48'10\$ 0° \$\Omega\$ 6° \$\Omega\$13'04\$ 12° \$\Omega\$06'21\$ 15° \$\Omega\$47'29\$ 14° \$\Omega\$41'10	2°04'45 1.45850 AU -0.8m 18°53'58
asc. node evening max el  retrograde evening set  inferior conj minimum elong min. Earth dist. morning rise	13572 Jul 01 14:22 13572 Jul 12 07:55 13572 Jul 20 16:01 13572 Jul 22 12:27 13572 Jul 27 01:13 13572 Jul 30 01:39 13572 Jul 31 11:50 13572 Aug 04 22:27 13572 Aug 05 00:49 13572 Aug 07 06:09 13572 Aug 10 22:36	0° N 17° N20'16 28° N22'51 0° M 1° M46'57 0° M56'47 30° RN 25° N28'17 25° N28'17 25° N46'40 19° N08'28	2°28'24 2°27'10	minimum elong max. Earth dist. evening rise greatest brilliancy asc. node evening max el retrograde evening set inferior conj	13573 May 26 15:24 13573 May 27 12:09 13573 Jun 05 14:01 13573 Jun 11 19:33 13573 Jun 21 10:13 13573 Jun 24 20:20 13573 Jun 29 04:47 13573 Jul 04 03:12 13573 Jul 10 20:20 13573 Jul 14 05:41 13573 Jul 19 18:26	14° Π28'20 15° Π49'19 0° \$\mathref{9}\$ 9° \$\mathref{9}\$ 48'10 0° \$\Omega\$ 6° \$\Omega\$ 13'04 12° \$\Omega\$ 06'21 15° \$\Omega\$ 47'29 14° \$\Omega\$ 41'10 8° \$\Omega\$ 57'37	2°04'45 1.45850 AU -0.8m 18°53'58 2°56'46
asc. node evening max el  retrograde evening set  inferior conj minimum elong min. Earth dist. morning rise desc. node	13572 Jul 01 14:22 13572 Jul 12 07:55 13572 Jul 20 16:01 13572 Jul 22 12:27 13572 Jul 27 01:13 13572 Jul 30 01:39 13572 Jul 31 11:50 13572 Aug 04 22:27 13572 Aug 05 00:49 13572 Aug 07 06:09 13572 Aug 10 22:36 13572 Aug 14 08:55	0° N 17° N20'16 28° N22'51 0° M 1° M46'57 0° M56'47 30° RN 25° N28'17 25° N21'24 22° N46'40 19° N08'28 17° N06'08	2°28'24 2°27'10	minimum elong max. Earth dist.  evening rise greatest brilliancy  asc. node evening max el retrograde evening set inferior conj minimum elong	13573 May 26 15:24 13573 May 27 12:09 13573 Jun 05 14:01 13573 Jun 11 19:33 13573 Jun 21 10:13 13573 Jun 24 20:20 13573 Jun 29 04:47 13573 Jul 04 03:12 13573 Jul 10 20:20 13573 Jul 14 05:41 13573 Jul 19 18:26 13573 Jul 19 20:04	14° Π28'20 15° Π49'19 0° \$\mathref{9}\$ 9° \$\mathref{9}\$ 46'09 24° \$\mathref{9}\$ 48'10 0° \$\Omega\$ 6° \$\Omega\$ 13'04 12° \$\Omega\$ 06'21 15° \$\Omega\$ 47'29 14° \$\Omega\$ 41'10 8° \$\Omega\$ 57'37 8° \$\Omega\$ 52'28	2°04'45 1.45850 AU -0.8m 18°53'58 2°56'46 2°55'38
asc. node evening max el  retrograde evening set  inferior conj minimum elong min. Earth dist. morning rise desc. node direct	13572 Jul 01 14:22 13572 Jul 12 07:55 13572 Jul 20 16:01 13572 Jul 22 12:27 13572 Jul 27 01:13 13572 Jul 30 01:39 13572 Jul 31 11:50 13572 Aug 04 22:27 13572 Aug 05 00:49 13572 Aug 10 02:36 13572 Aug 14 08:55 13572 Aug 17 12:21	0° N 17° N20'16 28° N22'51 0° M 1° M46'57 0° M56'47 30° RN 25° N28'17 25° N21'24 22° N46'40 19° N08'28 17° N06'08 16° N31'07	2°28'24 2°27'10 0.64513 AU	minimum elong max. Earth dist.  evening rise greatest brilliancy  asc. node evening max el retrograde evening set inferior conj minimum elong min. Earth dist.	13573 May 26 15:24 13573 May 27 12:09 13573 Jun 05 14:01 13573 Jun 11 19:33 13573 Jun 21 10:13 13573 Jun 24 20:20 13573 Jun 29 04:47 13573 Jul 04 03:12 13573 Jul 10 20:20 13573 Jul 10 20:20 13573 Jul 14 05:41 13573 Jul 19 18:26 13573 Jul 19 20:04 13573 Jul 21 11:35	14° \$\Pi28'20\$ 15° \$\Pi49'19\$ 0° \$\Sigma\$ 9° \$\Sigma46'09\$ 24° \$\Sigma48'10\$ 0° \$\Omega\$ 6° \$\Omega\$13'04\$ 12° \$\Omega\$06'21\$ 15° \$\Omega\$47'29\$ 14° \$\Omega\$41'10\$ 8° \$\Omega\$57'37\$ 8° \$\Omega\$52'28 6° \$\Omega\$47'45	2°04'45 1.45850 AU -0.8m 18°53'58 2°56'46
asc. node evening max el  retrograde evening set  inferior conj minimum elong min. Earth dist. morning rise desc. node	13572 Jul 01 14:22 13572 Jul 12 07:55 13572 Jul 20 16:01 13572 Jul 22 12:27 13572 Jul 27 01:13 13572 Jul 30 01:39 13572 Jul 31 11:50 13572 Aug 04 22:27 13572 Aug 05 00:49 13572 Aug 10 22:36 13572 Aug 14 08:55 13572 Aug 17 12:21 13572 Aug 31 04:09	0° N 17° N20'16 28° N22'51 0° M 1° M46'57 0° M56'47 30° RN 25° N28'17 25° N21'24 22° N46'40 19° N08'28 17° N06'08 16° N31'07 24° N29'28	2°28'24 2°27'10 0.64513 AU	minimum elong max. Earth dist.  evening rise greatest brilliancy  asc. node evening max el retrograde evening set inferior conj minimum elong	13573 May 26 15:24 13573 May 27 12:09 13573 Jun 05 14:01 13573 Jun 11 19:33 13573 Jun 21 10:13 13573 Jun 24 20:20 13573 Jun 29 04:47 13573 Jul 04 03:12 13573 Jul 10 20:20 13573 Jul 10 20:20 13573 Jul 19 18:26 13573 Jul 19 20:04 13573 Jul 21 11:35 13573 Jul 25 09:42	14° Π28'20 15° Π49'19 0° Φ 9° Φ46'09 24° Φ48'10 0° Ω 6° Ω13'04 12° Ω06'21 15° Ω47'29 14° Ω41'10 8° Ω57'37 8° Ω52'28 6° Ω47'45 2° Ω33'32	2°04'45 1.45850 AU -0.8m 18°53'58 2°56'46 2°55'38
asc. node evening max el  retrograde evening set  inferior conj minimum elong min. Earth dist. morning rise desc. node direct	13572 Jul 01 14:22 13572 Jul 12 07:55 13572 Jul 20 16:01 13572 Jul 22 12:27 13572 Jul 27 01:13 13572 Jul 30 01:39 13572 Jul 31 11:50 13572 Aug 04 22:27 13572 Aug 05 00:49 13572 Aug 10 22:36 13572 Aug 10 22:36 13572 Aug 17 12:21 13572 Aug 31 04:09 13572 Sep 05 03:43	0° N 17° N20'16 28° N22'51 0° M 1° M46'57 0° M56'47 30° RN 25° N28'17 25° N21'24 22° N46'40 19° N08'28 17° N06'08 16° N31'07 24° N29'28 0° M	2°28'24 2°27'10 0.64513 AU	minimum elong max. Earth dist.  evening rise greatest brilliancy  asc. node evening max el retrograde evening set inferior conj minimum elong min. Earth dist. morning rise	13573 May 26 15:24 13573 May 27 12:09 13573 Jun 05 14:01 13573 Jun 11 19:33 13573 Jun 21 10:13 13573 Jun 24 20:20 13573 Jun 29 04:47 13573 Jul 04 03:12 13573 Jul 10 20:20 13573 Jul 10 20:20 13573 Jul 14 05:41 13573 Jul 19 18:26 13573 Jul 19 20:04 13573 Jul 21 11:35 13573 Jul 25 09:42 13573 Jul 30 09:03	14° \$\Pi28'20\$ 15° \$\Pi49'19\$ 0° \$\Sigma\$ 9° \$\Sigma46'09\$ 24° \$\Sigma48'10\$ 0° \$\Omega\$ 6° \$\Omega\$13'04\$ 12° \$\Omega\$06'21\$ 15° \$\Omega\$47'29\$ 14° \$\Omega\$41'10\$ 8° \$\Omega\$57'37 8° \$\Omega\$52'28 6° \$\Omega\$47'45 2° \$\Omega\$33'32 30° \$\Pi\$	2°04'45 1.45850 AU -0.8m 18°53'58 2°56'46 2°55'38
asc. node evening max el  retrograde evening set  inferior conj minimum elong min. Earth dist. morning rise desc. node direct morning max el	13572 Jul 01 14:22 13572 Jul 20 7:55 13572 Jul 20 16:01 13572 Jul 22 12:27 13572 Jul 30 01:39 13572 Jul 31 11:50 13572 Aug 04 22:27 13572 Aug 05 00:49 13572 Aug 07 06:09 13572 Aug 10 22:36 13572 Aug 10 22:36 13572 Aug 17 12:21 13572 Aug 31 04:09 13572 Sep 05 03:43 13572 Sep 25 13:50	0° N 17° N20'16 28° N22'51 0° m 1° m46'57 0° m56'47 30° RN 25° N28'17 25° N21'24 22° N46'40 19° N08'28 17° N06'08 16° N31'07 24° N29'28 0° m 0° Ω	2°28'24 2°27'10 0.64513 AU	minimum elong max. Earth dist.  evening rise greatest brilliancy  asc. node evening max el retrograde evening set inferior conj minimum elong min. Earth dist. morning rise  direct	13573 May 26 15:24 13573 May 27 12:09 13573 Jun 05 14:01 13573 Jun 11 19:33 13573 Jun 21 10:13 13573 Jun 24 20:20 13573 Jun 29 04:47 13573 Jul 04 03:12 13573 Jul 10 20:20 13573 Jul 14 05:41 13573 Jul 19 18:26 13573 Jul 19 20:04 13573 Jul 21 11:35 13573 Jul 25 09:42 13573 Jul 30 09:03 13573 Jul 31 16:09	14° II 28'20 15° II 49'19 0° II 9° II 49'19 24° II 48'10 0° II 6° II 13'04 12° II 60'21 15° II 47'29 14° II 10 8° II 57'37 8° II 52'28 6° II 47'45 2° II 33'32 30° II 80'	2°04'45 1.45850 AU -0.8m 18°53'58 2°56'46 2°55'38
asc. node evening max el  retrograde evening set  inferior conj minimum elong min. Earth dist. morning rise desc. node direct morning max el	13572 Jul 01 14:22 13572 Jul 20 7:55 13572 Jul 20 16:01 13572 Jul 22 12:27 13572 Jul 27 01:13 13572 Jul 30 01:39 13572 Jul 31 11:50 13572 Aug 04 22:27 13572 Aug 05 00:49 13572 Aug 07 06:09 13572 Aug 10 22:36 13572 Aug 11 08:55 13572 Aug 11 12:21 13572 Aug 31 04:09 13572 Sep 05 03:43 13572 Sep 25 13:50 13572 Oct 05 10:37	0° N 17° N20'16 28° N22'51 0° m 1° m46'57 0° m56'47 30° RN 25° N28'17 25° N21'24 22° N46'40 19° N08'28 17° N06'08 16° N31'07 24° N29'28 0° m 0° Ω 18° Ω09'05	2°28'24 2°27'10 0.64513 AU	minimum elong max. Earth dist.  evening rise greatest brilliancy  asc. node evening max el retrograde evening set inferior conj minimum elong min. Earth dist. morning rise	13573 May 26 15:24 13573 May 27 12:09 13573 Jun 05 14:01 13573 Jun 11 19:33 13573 Jun 21 10:13 13573 Jun 24 20:20 13573 Jun 29 04:47 13573 Jul 04 03:12 13573 Jul 10 20:20 13573 Jul 14 05:41 13573 Jul 19 18:26 13573 Jul 19 18:26 13573 Jul 21 11:35 13573 Jul 25 09:42 13573 Jul 30 09:03 13573 Jul 31 16:09 13573 Aug 01 06:20	14° II 28'20 15° II 49'19 0° II 9° II 49'19 24° II 48'10 0° II 6° II 13'04 12° II 60'21 15° II 47'29 14° II 10 8° II 57'37 8° II 52'28 6° II 47'45 2° II 33'32 30° II 89 29° II 53'35 29° II 53'55'55'55'55'55'55'55'55'55'55'55'55'5	2°04'45 1.45850 AU -0.8m 18°53'58 2°56'46 2°55'38
asc. node evening max el  retrograde evening set  inferior conj minimum elong min. Earth dist. morning rise desc. node direct morning max el  morning set asc. node	13572 Jul 01 14:22 13572 Jul 20 7:55 13572 Jul 20 16:01 13572 Jul 22 12:27 13572 Jul 27 01:13 13572 Jul 30 01:39 13572 Jul 31 11:50 13572 Aug 04 22:27 13572 Aug 05 00:49 13572 Aug 07 06:09 13572 Aug 10 22:36 13572 Aug 11 08:55 13572 Aug 11 08:55 13572 Aug 31 04:09 13572 Sep 05 03:43 13572 Sep 25 13:50 13572 Oct 08 09:46	0° Ω 17° Ω20'16 28° Ω22'51 0° m 1° m 46'57 0° m 56'47 30° RΩ 25° Ω28'17 25° Ω21'24 22° Ω46'40 19° Ω08'28 17° Ω06'08 16° Ω31'07 24° Ω29'28 0° m 0° Ω 18° Ω09'05 24° Ω05'19	2°28'24 2°27'10 0.64513 AU 27°26'14	minimum elong max. Earth dist.  evening rise greatest brilliancy  asc. node evening max el retrograde evening set inferior conj minimum elong min. Earth dist. morning rise  direct desc. node	13573 May 26 15:24 13573 May 27 12:09 13573 Jun 05 14:01 13573 Jun 11 19:33 13573 Jun 21 10:13 13573 Jun 24 20:20 13573 Jun 29 04:47 13573 Jul 04 03:12 13573 Jul 10 20:20 13573 Jul 14 05:41 13573 Jul 19 18:26 13573 Jul 19 18:26 13573 Jul 19 20:04 13573 Jul 21 11:35 13573 Jul 25 09:42 13573 Jul 30 09:03 13573 Jul 31 16:09 13573 Aug 01 06:20 13573 Aug 02 00:05	14° \$\Pi28'20\$ 15° \$\Pi49'19\$ 0° \$\Sigma_9\circ \text{946'09}\$ 24\circ \text{948'10}\$ 0° \$\Omega_6\circ \Omega_13'04\$ 12\circ \Omega_06'21\$ 15\circ \Omega_47'29\$ 14\circ \Omega_41'10\$ 8\circ \Omega_57'37\$ 8\circ \Omega_57'37\$ 8\circ \Omega_57'37\$ 2\circ \Omega_33'32\$ 30\circ \RSigma_29\circ \Sigma_53'35\$ 29\circ \Sigma_54'53\$ 0\circ \Omega_6\$	2°04'45 1.45850 AU -0.8m 18°53'58 2°56'46 2°55'38 0.66280 AU
asc. node evening max el  retrograde evening set  inferior conj minimum elong min. Earth dist. morning rise desc. node direct morning max el	13572 Jul 01 14:22 13572 Jul 20 7:55 13572 Jul 20 16:01 13572 Jul 22 12:27 13572 Jul 27 01:13 13572 Jul 30 01:39 13572 Jul 31 11:50 13572 Aug 04 22:27 13572 Aug 05 00:49 13572 Aug 07 06:09 13572 Aug 10 22:36 13572 Aug 11 08:55 13572 Aug 11 08:55 13572 Aug 31 04:09 13572 Sep 05 03:43 13572 Sep 25 13:50 13572 Oct 08 09:46 13572 Oct 08 09:46 13572 Oct 10 00:38	0° N 17° N20'16 28° N22'51 0° M 1° M46'57 0° M56'47 30° RN 25° N28'17 25° N21'24 22° N46'40 19° N08'28 17° N06'08 16° N31'07 24° N29'28 0° M 0° L 18° L05'19 27° L25'19	2°28'24 2°27'10 0.64513 AU	minimum elong max. Earth dist.  evening rise greatest brilliancy  asc. node evening max el retrograde evening set inferior conj minimum elong min. Earth dist. morning rise  direct	13573 May 26 15:24 13573 May 27 12:09 13573 Jun 05 14:01 13573 Jun 11 19:33 13573 Jun 21 10:13 13573 Jun 24 20:20 13573 Jun 29 04:47 13573 Jul 04 03:12 13573 Jul 10 20:20 13573 Jul 14 05:41 13573 Jul 19 18:26 13573 Jul 19 20:04 13573 Jul 21 11:35 13573 Jul 21 11:35 13573 Jul 25 09:42 13573 Jul 30 09:03 13573 Jul 31 16:09 13573 Aug 01 06:20 13573 Aug 02 00:05 13573 Aug 13 15:19	14° II 28'20 15° II 49'19 0° II 49'19 0° II 49'19 0° II 40'09 24° II 3'04 12° II 3'04 110 8° II 3'04 110 8° II 3'04 110 8° II 3'04 12° II 3'04 12° II 3'04 11'04 1	2°04'45 1.45850 AU -0.8m 18°53'58 2°56'46 2°55'38
asc. node evening max el  retrograde evening set  inferior conj minimum elong min. Earth dist. morning rise desc. node direct morning max el  morning set asc. node	13572 Jul 01 14:22 13572 Jul 20 7:55 13572 Jul 20 16:01 13572 Jul 22 12:27 13572 Jul 27 01:13 13572 Jul 30 01:39 13572 Jul 31 11:50 13572 Aug 04 22:27 13572 Aug 05 00:49 13572 Aug 07 06:09 13572 Aug 10 22:36 13572 Aug 11 08:55 13572 Aug 11 08:55 13572 Aug 31 04:09 13572 Sep 05 03:43 13572 Sep 25 13:50 13572 Oct 08 09:46	0° Ω 17° Ω20'16 28° Ω22'51 0° m 1° m 46'57 0° m 56'47 30° RΩ 25° Ω28'17 25° Ω21'24 22° Ω46'40 19° Ω08'28 17° Ω06'08 16° Ω31'07 24° Ω29'28 0° m 0° Ω 18° Ω09'05 24° Ω05'19	2°28'24 2°27'10 0.64513 AU 27°26'14	minimum elong max. Earth dist.  evening rise greatest brilliancy  asc. node evening max el retrograde evening set inferior conj minimum elong min. Earth dist. morning rise  direct desc. node	13573 May 26 15:24 13573 May 27 12:09 13573 Jun 05 14:01 13573 Jun 11 19:33 13573 Jun 21 10:13 13573 Jun 24 20:20 13573 Jun 29 04:47 13573 Jul 04 03:12 13573 Jul 10 20:20 13573 Jul 14 05:41 13573 Jul 19 18:26 13573 Jul 19 20:04 13573 Jul 21 11:35 13573 Jul 21 11:35 13573 Jul 25 09:42 13573 Jul 30 09:03 13573 Jul 31 16:09 13573 Aug 01 06:20 13573 Aug 02 00:05 13573 Aug 13 15:19 13573 Aug 31 01:41	14° \$\Pi28'20\$ 15° \$\Pi49'19\$ 0° \$\Sigma_9\circ \text{946'09}\$ 24\circ \text{948'10}\$ 0° \$\Omega_6\circ \Omega_13'04\$ 12\circ \Omega_06'21\$ 15\circ \Omega_47'29\$ 14\circ \Omega_41'10\$ 8\circ \Omega_57'37\$ 8\circ \Omega_57'37\$ 8\circ \Omega_57'37\$ 2\circ \Omega_33'32\$ 30\circ \RSigma_29\circ \Sigma_53'35\$ 29\circ \Sigma_54'53\$ 0\circ \Omega_6\$	2°04'45 1.45850 AU -0.8m 18°53'58 2°56'46 2°55'38 0.66280 AU
asc. node evening max el  retrograde evening set  inferior conj minimum elong min. Earth dist. morning rise desc. node direct morning max el  morning set asc. node max. Earth dist.	13572 Jul 01 14:22 13572 Jul 20 7:55 13572 Jul 20 16:01 13572 Jul 22 12:27 13572 Jul 27 01:13 13572 Jul 30 01:39 13572 Jul 31 11:50 13572 Aug 04 22:27 13572 Aug 05 00:49 13572 Aug 07 06:09 13572 Aug 10 22:36 13572 Aug 11 08:55 13572 Aug 11 08:55 13572 Aug 31 04:09 13572 Sep 05 03:43 13572 Sep 25 13:50 13572 Oct 08 09:46 13572 Oct 08 09:46 13572 Oct 10 00:38	0° N 17° N20'16 28° N22'51 0° M 1° M46'57 0° M56'47 30° RN 25° N28'17 25° N21'24 22° N46'40 19° N08'28 17° N06'08 16° N31'07 24° N29'28 0° M 0° L 18° L05'19 27° L25'19	2°28'24 2°27'10 0.64513 AU 27°26'14	minimum elong max. Earth dist.  evening rise greatest brilliancy  asc. node evening max el retrograde evening set inferior conj minimum elong min. Earth dist. morning rise  direct desc. node  morning max el	13573 May 26 15:24 13573 May 27 12:09 13573 Jun 05 14:01 13573 Jun 11 19:33 13573 Jun 21 10:13 13573 Jun 24 20:20 13573 Jun 29 04:47 13573 Jul 04 03:12 13573 Jul 10 20:20 13573 Jul 10 20:20 13573 Jul 11 05:41 13573 Jul 19 18:26 13573 Jul 19 20:04 13573 Jul 21 11:35 13573 Jul 25 09:42 13573 Jul 30 09:03 13573 Jul 31 16:09 13573 Aug 01 06:20 13573 Aug 01 06:20 13573 Aug 01 06:20 13573 Aug 13 15:19 13573 Aug 31 01:41 13573 Sep 17 23:32	14° II 28'20 15° II 49'19 0° 9 9° 946'09 24° 948'10 0° 10 6° 113'04 12° 106'21 15° 104'29 14° 110 8° 105'37 8° 105'37 8° 105'28 6° 104'45 2° 103'32 30° 19 29° 953'35 29° 9554'53 0° 10 7° 103'5'49 0° III 0° 11	2°04'45 1.45850 AU -0.8m 18°53'58 2°56'46 2°55'38 0.66280 AU
asc. node evening max el  retrograde evening set  inferior conj minimum elong min. Earth dist. morning rise desc. node direct morning max el  morning set asc. node	13572 Jul 01 14:22 13572 Jul 20 7:55 13572 Jul 20 16:01 13572 Jul 22 12:27 13572 Jul 30 01:39 13572 Jul 31 11:50 13572 Aug 04 22:27 13572 Aug 05 00:49 13572 Aug 10 22:36 13572 Aug 10 22:36 13572 Aug 14 08:55 13572 Aug 17 12:21 13572 Aug 31 04:09 13572 Sep 05 03:43 13572 Oct 05 10:37 13572 Oct 08 09:46 13572 Oct 10 00:38 13572 Oct 11 06:15	0° N 17° N20'16 28° N22'51 0° M 1° M46'57 0° M56'47 30° RN 25° N28'17 25° N21'24 22° N46'40 19° N08'28 17° N06'08 16° N31'07 24° N29'28 0° M 0° Ω 18° Ω09'05 24° Ω05'19 27° Ω25'19 0° M	2°28'24 2°27'10 0.64513 AU 27°26'14	minimum elong max. Earth dist.  evening rise greatest brilliancy  asc. node evening max el retrograde evening set inferior conj minimum elong min. Earth dist. morning rise  direct desc. node	13573 May 26 15:24 13573 May 27 12:09 13573 Jun 05 14:01 13573 Jun 11 19:33 13573 Jun 21 10:13 13573 Jun 24 20:20 13573 Jun 29 04:47 13573 Jul 04 03:12 13573 Jul 10 20:20 13573 Jul 14 05:41 13573 Jul 19 18:26 13573 Jul 19 20:04 13573 Jul 21 11:35 13573 Jul 25 09:42 13573 Jul 25 09:42 13573 Jul 30 09:03 13573 Jul 31 16:09 13573 Aug 01 06:20 13573 Aug 01 06:20 13573 Aug 13 15:19 13573 Aug 31 01:41 13573 Sep 17 23:32 13573 Sep 18 13:00	14° \$\Pi28'20\$ 15° \$\Pi49'19\$ 0° \$\Sigma_9\circ \text{346'09}\$ 24° \$\Sigma_48'10\$ 0° \$\Omega_6\circ \Omega_13'04\$ 12° \$\Omega_6'21\$ 15° \$\Omega_47'29\$ 14° \$\Omega_41'10\$ 8° \$\Omega_57'37\$ 8° \$\Omega_52'28\$ 6° \$\Omega_47'45\$ 2° \$\Omega_33'32\$ 30° \$\Sigma_5\Sigma_29\circ \Sigma_53'35\$ 29° \$\Sigma_53'53\$ 0° \$\Omega_7\circ \Omega_35'49\$ 0° \$\Pi_9\$	2°04'45 1.45850 AU -0.8m 18°53'58 2°56'46 2°55'38 0.66280 AU
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asc. node evening max el  retrograde evening set  inferior conj minimum elong min. Earth dist. morning rise desc. node direct morning max el  morning set asc. node max. Earth dist.	13572 Jul 01 14:22 13572 Jul 20 16:01 13572 Jul 22 12:27 13572 Jul 27 01:13 13572 Jul 30 01:39 13572 Jul 31 11:50 13572 Aug 04 22:27 13572 Aug 05 00:49 13572 Aug 07 06:09 13572 Aug 10 22:36 13572 Aug 11 08:55 13572 Aug 14 08:55 13572 Aug 17 12:21 13572 Aug 17 12:21 13572 Aug 18:50 13572 Aug 19:03:03 13572 Oct 18:03 13572 Oct 18:03 13572 Oct 19:03 13572 Oct 11 06:15 13572 Oct 20 14:58 13572 Oct 25 09:37	0° \( \Omega\) 17° \( \Omega\)20'16 28° \( \Omega\)22'51 0° \( \omega\) 1° \( \omega\)46'57 0° \( \omega\)56'47 30° \( \Omega\) 25° \( \Omega\)28'17 25° \( \Omega\)21'24 22° \( \Omega\)46'40 19° \( \Omega\)6'28 17° \( \Omega\)6'08 16° \( \Omega\)31'07 24° \( \Omega\)29'28 0° \( \omega\) 0° \( \Omega\) 18° \( \Omega\)09'05 24° \( \Omega\)05'19 27° \( \Omega\)25'19 0° \( \omega\) 4° \( \Omega\)58'05 4° \( \Omega\)47'02 20° \( \omega\)06'34 0° \( \omega\) 24° \( \omega\)35'49 25° \( \omega\)5'105	2°28'24 2°27'10 0.64513 AU 27°26'14 1.32946 AU 0°47'45 0°47'52	minimum elong max. Earth dist.  evening rise greatest brilliancy  asc. node evening max el retrograde evening set inferior conj minimum elong min. Earth dist. morning rise  direct desc. node  morning max el  morning set max. Earth dist. asc. node  superior conj	13573 May 26 15:24 13573 May 27 12:09 13573 Jun 05 14:01 13573 Jun 11 19:33 13573 Jun 21 10:13 13573 Jun 24 20:20 13573 Jun 29 04:47 13573 Jul 04 03:12 13573 Jul 10 20:20 13573 Jul 14 05:41 13573 Jul 19 18:26 13573 Jul 19 18:26 13573 Jul 21 11:35 13573 Jul 25 09:42 13573 Jul 30 09:03 13573 Jul 31 16:09 13573 Aug 01 06:20 13573 Aug 01 06:20 13573 Aug 01 06:20 13573 Aug 13 15:19 13573 Aug 13 15:19 13573 Sep 17 23:32 13573 Sep 18 13:00 13573 Sep 22 11:37 13573 Sep 25 06:20	14° \$\Pi28'20\$ 15° \$\Pi49'19\$ 0° \$\Pi\$ 9° \$\Pi46'09\$ 24° \$\Pi48'10\$ 0° \$\Omega\$ 6° \$\Omega\$13'04\$ 12° \$\Omega\$06'21\$ 15° \$\Omega\$47'29\$ 14° \$\Omega\$41'10\$ 8° \$\Omega\$57'37 8° \$\Omega\$52'28 6° \$\Omega\$47'45 2° \$\Omega\$33'32 30° \$\Pi\$ 29° \$\Pi\$53'35 29° \$\Pi\$53'35 29° \$\Pi\$53'453 0° \$\Omega\$7' \$\Omega\$35'49 0° \$\Pi\$ 0° \$\Omega\$1" \$\Omega\$03'00 8° \$\Omega\$37'59 14° \$\Omega\$11'12 18° \$\Omega\$49'13 18° \$\Omega\$49'13	2°04'45 1.45850 AU  -0.8m  18°53'58  2°56'46 2°55'38 0.66280 AU  26°27'26  1.34575 AU  0°21'16
asc. node evening max el  retrograde evening set  inferior conj minimum elong min. Earth dist. morning rise desc. node direct morning max el  morning set asc. node max. Earth dist.  superior conj minimum elong evening rise  desc. node evening max el	13572 Jul 01 14:22 13572 Jul 20 16:01 13572 Jul 22 12:27 13572 Jul 27 01:13 13572 Jul 30 01:39 13572 Jul 31 11:50 13572 Aug 04 22:27 13572 Aug 05 00:49 13572 Aug 07 06:09 13572 Aug 10 22:36 13572 Aug 11 08:55 13572 Aug 14 08:55 13572 Aug 17 12:21 13572 Aug 31 04:09 13572 Sep 05 03:43 13572 Sep 25 13:50 13572 Oct 05 10:37 13572 Oct 05 10:37 13572 Oct 10 00:38 13572 Oct 11 06:15 13572 Oct 13 14:25 13572 Oct 20 14:58 13572 Oct 20 14:58 13572 Oct 20 14:58 13572 Oct 25 09:37 13572 Nov 10 05:10 13572 Nov 11 10:47 13572 Nov 16 17:33	0° N 17° N20'16 28° N22'51 0° m 1° m46'57 0° m56'47 30° RN 25° N28'17 25° N21'24 22° N46'40 19° N08'28 17° N06'08 16° N31'07 24° N29'28 0° m 0° Ω 18° Ω05'19 27° Ω25'19 0° m 4° M58'05 4° M47'02 20° M06'34 0°  24° \$35'49 25° \$51'05 0° \$5	2°28'24 2°27'10 0.64513 AU 27°26'14 1.32946 AU 0°47'45 0°47'52	minimum elong max. Earth dist.  evening rise greatest brilliancy  asc. node evening max el retrograde evening set inferior conj minimum elong min. Earth dist. morning rise  direct desc. node morning max el  morning set max. Earth dist. asc. node  superior conj minimum elong	13573 May 26 15:24 13573 May 27 12:09 13573 Jun 05 14:01 13573 Jun 11 19:33 13573 Jun 21 10:13 13573 Jun 24 20:20 13573 Jun 29 04:47 13573 Jul 04 03:12 13573 Jul 10 20:20 13573 Jul 14 05:41 13573 Jul 19 18:26 13573 Jul 19 20:04 13573 Jul 25 09:42 13573 Jul 25 09:42 13573 Jul 30 09:03 13573 Jul 31 16:09 13573 Aug 01 06:20 13573 Aug 01 06:20 13573 Aug 01 06:20 13573 Aug 13 15:19 13573 Aug 13 15:19 13573 Sep 17 23:32 13573 Sep 18 13:00 13573 Sep 27 12:40 13573 Sep 27 12:40 13573 Sep 27 11:32 13573 Sep 27 11:32 13573 Sep 27 11:32	14° \$\Pi28'20\$ 15° \$\Pi49'19\$ 0° \$\Pi\$ 9° \$\Pi46'09\$ 24° \$\Pi48'10\$ 0° \$\Omega\$ 6° \$\Omega\$13'04\$ 12° \$\Omega\$06'21\$ 15° \$\Omega\$47'29\$ 14° \$\Omega\$41'10\$ 8° \$\Omega\$57'37 8° \$\Omega\$52'28 6° \$\Omega\$47'45 2° \$\Omega\$33'32 30° \$\Pi\$ 29° \$\Pi\$53'35 29° \$\Pi\$53'35 29° \$\Pi\$53'453 0° \$\Omega\$7' \$\Omega\$37'59 14° \$\Omega\$11'12  18° \$\Omega\$49'13 18° \$\Omega\$43'20 0° \$\Pi\$.	2°04'45 1.45850 AU  -0.8m  18°53'58  2°56'46 2°55'38 0.66280 AU  26°27'26  1.34575 AU  0°21'16
asc. node evening max el  retrograde evening set  inferior conj minimum elong min. Earth dist. morning rise desc. node direct morning max el  morning set asc. node max. Earth dist.  superior conj minimum elong evening rise desc. node evening max el	13572 Jul 01 14:22 13572 Jul 20 16:01 13572 Jul 22 12:27 13572 Jul 27 01:13 13572 Jul 30 01:39 13572 Jul 31 11:50 13572 Aug 04 22:27 13572 Aug 05 00:49 13572 Aug 07 06:09 13572 Aug 10 22:36 13572 Aug 11 08:55 13572 Aug 14 08:55 13572 Aug 17 12:21 13572 Aug 31 04:09 13572 Sep 05 03:43 13572 Sep 25 13:50 13572 Oct 05 10:37 13572 Oct 08 09:46 13572 Oct 10 00:38 13572 Oct 11 06:15  13572 Oct 13 14:25 13572 Oct 20 14:58 13572 Oct 25 09:37 13572 Oct 25 09:37 13572 Nov 10 05:10 13572 Nov 11 10:47 13572 Nov 16 17:33 13572 Nov 24 09:26	0° Ω 17° Ω20'16 28° Ω22'51 0° m 1° m 46'57 0° m 56'47 30° R Ω 25° Ω28'17 25° Ω21'24 22° Ω46'40 19° Ω08'28 17° Ω06'08 16° Ω31'07 24° Ω29'28 0° m 0° Ω 18° Ω09'05 24° Ω05'19 27° Ω25'19 0° m 4° m 58'05 4° m 47'02 20° m 06'34 0° 🗷 24° 🗷 35'49 25° 🗷 51'05 0° \mathrm{S} 2° \mathrm{S} 16'13	2°28'24 2°27'10 0.64513 AU 27°26'14 1.32946 AU 0°47'45 0°47'52	minimum elong max. Earth dist.  evening rise greatest brilliancy  asc. node evening max el retrograde evening set inferior conj minimum elong min. Earth dist. morning rise  direct desc. node morning max el  morning set max. Earth dist. asc. node  superior conj minimum elong	13573 May 26 15:24 13573 May 27 12:09 13573 Jun 05 14:01 13573 Jun 11 19:33 13573 Jun 21 10:13 13573 Jun 24 20:20 13573 Jun 29 04:47 13573 Jul 04 03:12 13573 Jul 10 20:20 13573 Jul 11 9 18:26 13573 Jul 19 18:26 13573 Jul 19 20:04 13573 Jul 21 11:35 13573 Jul 21 11:35 13573 Jul 25 09:42 13573 Jul 30 09:03 13573 Jul 31 16:09 13573 Aug 01 06:20 13573 Aug 01 06:20 13573 Aug 13 15:19 13573 Aug 31 01:41 13573 Sep 17 23:32 13573 Sep 18 13:00 13573 Sep 22 11:37 13573 Sep 27 12:40 13573 Sep 27 12:40 13573 Sep 27 12:40 13573 Sep 27 11:32 13573 Oct 02 20:45 13573 Oct 02 20:45	14° \$\Pi28'20\$ 15° \$\Pi49'19\$ 0° \$\Pi\$ 9° \$\Pi46'09\$ 24° \$\Pi48'10\$ 0° \$\Omega\$ 6° \$\Omega\$13'04\$ 12° \$\Omega\$06'21\$ 15° \$\Omega\$47'29\$ 14° \$\Omega\$41'10\$ 8° \$\Omega\$53'35\$ 29° \$\Pi53'35\$ 20° \$\Pi53'35	2°04'45 1.45850 AU -0.8m  18°53'58  2°56'46 2°55'38 0.66280 AU  26°27'26  1.34575 AU  0°21'16 0°21'16

desc. node	13573 Oct 28 02:30	9° <b>∡</b> 722'01		behind sun end	13574 Sep 11 07:08	2° <b>£</b> 39'59	
retrograde	13573 Nov 04 20:07	11° <b>∡</b> 754'52		asc. node	13574 Sep 12 02:55	4° <b>£</b> 18'10	
evening set	13573 Nov 07 08:08	11° <b>∡</b> ¹40′00		evening rise	13574 Sep 19 05:38	18° <b>≏</b> 42'05	
inferior conj	13573 Nov 16 06:53	7° <b>∡</b> ¹46'21	-5°14'40	-	13574 Sep 24 23:26	$0^{\circ}$ M	
minimum elong	13573 Nov 15 21:46	7° <b>∡</b> 759'17	5°11'51	evening max el	13574 Oct 06 12:05	17° <b>M</b> 07'33	19°43'11
min. Earth dist.	13573 Nov 17 00:37	7° <b>∡</b> ¹21'11	0.54530 AU	desc. node	13574 Oct 14 23:55	22°M00'49	
morning rise	13573 Nov 24 11:45	3° <b>∡</b> 753′56		retrograde	13574 Oct 16 12:29	22°M07'31	
direct	13573 Nov 28 15:09	3° <b>∡</b> 17′12		evening set	13574 Oct 18 10:18	21°M57'25	
morning max el	13573 Dec 11 15:38	9° <b>∡</b> ³34'28	22°58'51	inferior conj	13574 Oct 27 05:32	17° <b>M</b> 54'44	-3°44'05
asc. node	13573 Dec 22 07:10	23° <b>∡</b> 11'10		minimum elong	13574 Oct 26 20:16	18° <b>M</b> 09'10	3°40'16
	13573 Dec 26 06:51	0°ಕ		min. Earth dist.	13574 Oct 29 09:27	16°M33'48	0.55241 AU
morning set	13574 Jan 03 10:03	16° <b>ප</b> 12'21		morning rise	13574 Nov 04 04:33	13°M36'49	
	13574 Jan 09 19:42	0° <b>≈</b>		direct	13574 Nov 09 05:10	12°M40'56	
				morning max el	13574 Nov 23 01:34	19°M34'28	24°47'29
superior conj	13574 Jan 10 08:37	1°≈09'22	1°32'09		13574 Dec 01 20:25	0° <b>√</b>	
minimum elong	13574 Jan 10 10:08	1°≈17'28	1°33'00	asc. node	13574 Dec 09 04:12	11° <b>₹</b> 40'43	
max. Earth dist.	13574 Jan 13 15:08	8°≈04'53	1.33508 AU		13574 Dec 18 11:26	0°る	
evening rise	13574 Jan 18 06:48	17°≈31'33		morning set	13574 Dec 18 21:58	0° <b>る</b> 56'23	
desc. node	13574 Jan 24 01:34	28°≈27'00			12574 D 25 16 47	150747150	1027141
	13574 Jan 24 22:16	0° <b>∀</b> 0° <b>Υ</b>		superior conj	13574 Dec 25 16:47	15°る47'59 15°る50'21	1°37'41 1°38'43
	13574 Feb 13 14:00	0° γ 9° <b>Υ</b> 15'38	27°15'14	minimum elong max. Earth dist.	13574 Dec 25 17:13 13574 Dec 27 15:50	15°05'07	1.32234 AU
evening max el	13574 Feb 21 20:09 13574 Mar 07 08:35	9° <b>Y</b> 13′38 16° <b>Y</b> 43′05	2/-15/14	max. Earth dist.	13574 Dec 27 15:50 13575 Jan 01 07:54	20° <b>~</b> 0307	1.32234 AU
retrograde evening set	13574 Mar 14 01:11	16 <b>γ</b> 43 03 14° <b>Υ</b> 11'50		evening rise	13575 Jan 02 00:46	0 ≈ 1°≈26'43	
min. Earth dist.	13574 Mar 17 22:24	10° <b>Υ</b> 33'57	0.65002 AU	desc. node	13575 Jan 10 22:20	18°≈27'11	
inferior conj	13574 Mar 20 07:32	7° <b>Υ</b> 56'37	0°02'34	desc. node	13575 Jan 17 20:29	0° <b>)</b> €	
minimum elong	13574 Mar 20 07:32 13574 Mar 20 07:28	7° <b>Y</b> 56'49	0°02'31	evening max el	13575 Feb 04 07:44	22° <del>)(</del> 22'51	27°33'33
transit middle	13574 Mar 20 07:28	7° <b>Y</b> ′56'49	0°02'31	retrograde	13575 Feb 18 03:33	29° <b>)</b> 48'23	27 33 33
transit begin	13574 Mar 20 04:28	8° <b>Υ</b> 05'07	0 0231	evening set	13575 Feb 25 00:53	27° <b>)</b> 24'55	
transit end	13574 Mar 20 10:28	7° <b>Υ</b> 48'32		min. Earth dist.	13575 Feb 28 19:10	24° <b>)</b> 15'39	0.63087 AU
asc. node	13574 Mar 20 04:20	8°Υ05'29		inferior conj	13575 Mar 03 15:00	21° <b>)</b> 27'55	
morning rise	13574 Mar 26 15:29	2° <b>Y</b> 28'23		minimum elong	13575 Mar 03 17:14	21° <b>)</b> 22'25	1°06'13
direct	13574 Mar 29 07:33	1° <b>Y</b> 50'52		asc. node	13575 Mar 07 01:47	18° <b>¥</b> 18′07	
morning max el	13574 Apr 04 15:38	5° <b>Y</b> 08'16	17°56'25	morning rise	13575 Mar 10 12:07	16° <b>)</b> 15′26	
•	13574 Apr 21 12:06	0°8		direct	13575 Mar 12 20:20	15° <b>)</b> 49′20	
morning set	13574 Apr 22 08:50	1° <b>8</b> 25'37		morning max el	13575 Mar 19 09:25	19° <b>)</b> €09'45	17°46'20
desc. node	13574 Apr 22 03:51	1° <b>8</b> 05'01			13575 Mar 27 10:06	$0^{\circ}$ Y	
				morning set	13575 Apr 04 14:34	13° <b>Y</b> 53'23	
superior conj	13574 May 06 11:50	24° <b>8</b> 20'33	-1°36'32	desc. node	13575 Apr 09 00:25	21° <b>Y</b> 30'09	
minimum elong	13574 May 06 02:50	23° <b>8</b> 44'48	1°36'23		13575 Apr 14 00:46	$9^{\circ}$ 8	
	13574 May 10 01:52	$\Pi$ °0					
max. Earth dist.	13574 May 10 08:22	0° <b>Ⅱ</b> 25'31	1.45533 AU	superior conj	13575 Apr 16 20:53	4° <b>8</b> 42'41	-0°58'36
evening rise	13574 May 22 12:27	19° <b>Ⅱ</b> 17'42		minimum elong	13575 Apr 16 15:01	4° <b>8</b> 18'32	0°58'16
	13574 May 29 12:45	0° <b>©</b>		max. Earth dist.	13575 Apr 23 02:14	14° <b>8</b> 47'58	1.44508 AU
greatest brilliancy	13574 Jun 05 16:37	10° <b>©</b> 41'55	-0.6m	evening rise	13575 May 01 23:40	28° <b>8</b> 42'55	
asc. node	13574 Jun 16 01:45	24°930'18			13575 May 02 19:45	0° <b>I</b> I	
evening max el	13574 Jun 17 09:26	25°\$53'46	19°44'00		13575 May 23 08:21	0°50	
	13574 Jun 23 21:28	0° <b>Ω</b>		evening max el	13575 May 31 09:47	9°542'09	20°48'17
retrograde	13574 Jun 24 18:34	0° <b>Ω</b> 04'14		asc. node	13575 Jun 02 22:48	12°500'10	
	13574 Jun 25 15:19	30°R≌		retrograde	13575 Jun 08 17:33	14°531'29	
evening set	13574 Jun 28 13:19 13574 Jul 03 21:17	28°541'10	3°10'21	evening set	13575 Jun 12 22:26	12°951'45	3°11'25
inferior conj minimum elong	13574 Jul 03 21:17 13574 Jul 03 21:55	22°544'08 22°542'02	3°09'18	inferior conj minimum elong	13575 Jun 18 04:27 13575 Jun 18 04:04	6°\$42'47 6°\$44'08	3°10'21
min. Earth dist.	13574 Jul 05 00:02	22 <b>94</b> 2 02 21° <b>9</b> 14'38	0.67617 AU	min. Earth dist.	13575 Jun 18 17:26	5°957'51	0.68498 AU
morning rise	13574 Jul 09 06:06	16°920'41	0.07017 AU	morning rise	13575 Jun 23 09:26	0°923'14	0.06496 AU
direct	13574 Jul 15 02:12	13°9346'55		morning risc	13575 Jun 23 20:17	30°R∏	
desc. node	13574 Jul 19 03:40	14°9548'01		direct	13575 Jun 28 17:33	28° <b>∏</b> 02'31	
morning max el	13574 Jul 27 02:06	20°958'23	25°09'01		13575 Jul 04 05:40	0°95	
	13574 Aug 03 21:16	0° <b>Ω</b>		desc. node	13575 Jul 06 00:55	1°5018'51	
	13574 Aug 24 06:25	0° m)		morning max el	13575 Jul 09 12:27	4°529'15	23°40'38
morning set	13574 Aug 31 23:39	13° <b>m</b> ) 13'45		0	13575 Jul 29 03:16	0°Ω	
max. Earth dist.	13574 Sep 04 13:39	19° <b>m</b> 45'00	1.36633 AU	morning set	13575 Aug 13 13:54	24° <b>Ω</b> 29'04	
	13574 Sep 09 22:38	0∘ <u>⊽</u>		Ç	13575 Aug 16 18:57	0° m/y	
	•			max. Earth dist.	13575 Aug 17 11:12	1° <b>m</b> )11'00	1.38951 AU
superior conj	13574 Sep 11 01:22	2° <b>£</b> 11′26	-0°09'56		-		
minimum elong	13574 Sep 11 02:00	2° <b>₽</b> 14'32	0°09'53	superior conj	13575 Aug 25 00:47	14° <b>m</b> 55'04	-0°44'21
behind sun begin	13574 Sep 10 20:51	1° <b>≙</b> 49'08		minimum elong	13575 Aug 25 03:58	15° Mp 10'02	0°44'09

Tranetary Trient	officia of Microury	110111 13100	mough 1500	72 (OT), Astrourch	list AG 16-1 C0-2023	14.22,	page 230
asc. node	13575 Aug 29 23:29	24° m 21'55		minimum elong	13576 Aug 06 12:38	27° <b>Ω</b> 17'28	1°19'02
	13575 Sep 01 20:54	0∘ <b>⊽</b>			13576 Aug 08 01:01	0° <b>™</b>	
evening rise	13575 Sep 03 04:19	2° <b>ჲ</b> 33'21		asc. node	13576 Aug 15 20:06	14° <b>m</b> 19'09	
evening max el	13575 Sep 19 09:11	28° <b>≏</b> 56'13	18°49'00	evening rise	13576 Aug 16 16:52	15° <b>m</b> 55'55	
	13575 Sep 20 12:28	$0^{\circ}$ M			13576 Aug 24 11:21	0ം <b>⊽</b>	
retrograde	13575 Sep 27 20:27	3°M11'31		evening max el	13576 Sep 01 16:08	11° <b>≏</b> 26′50	18°16'04
evening set	13575 Sep 29 17:49	2°M59'36		retrograde	13576 Sep 08 23:37	15° <b>≏</b> 09'28	
desc. node	13575 Oct 01 21:25	2° <b>™</b> 19'08		evening set	13576 Sep 11 02:56	14° <b>≙</b> 51'06	
	13575 Oct 06 00:26	30° <b>₹</b> Ω		desc. node	13576 Sep 17 18:56	10° <b>≏</b> 47'22	
inferior conj	13575 Oct 07 22:22	28° <b>≏</b> 39'11	-1°54'55	inferior conj	13576 Sep 18 12:59	10° <b>≏</b> 09'34	-0°14'07
minimum elong	13575 Oct 07 17:34	28° <b>≏</b> 47'50		minimum elong	13576 Sep 18 12:29	10° <b>≏</b> 10'38	
min. Earth dist.	13575 Oct 10 23:24	26° <b>≏</b> 27'59	0.56766 AU	transit middle	13576 Sep 18 12:29	10° <b>≏</b> 10'38	0°13'50
morning rise	13575 Oct 15 14:03	23° <b>≏</b> 44'44		transit begin	13576 Sep 18 10:41	10° <b>≏</b> 14'25	
direct	13575 Oct 21 09:08	22° <b>≏</b> 23'40		transit end	13576 Sep 18 14:16	10° <b>≏</b> 06'51	
morning max el	13575 Nov 04 14:28	29° <b>Ω</b> 45'44	26°23'00	min. Earth dist.	13576 Sep 21 20:19	7° <b>Ω</b> 23'18	0.58829 AU
	13575 Nov 04 20:22	0° <b>M</b>		morning rise	13576 Sep 25 18:35	4° <b>Ω</b> 39'41	
	13575 Nov 25 15:50	0° <b>∡</b> 7		direct	13576 Oct 02 03:02	2° <b>£</b> 51'11	
asc. node	13575 Nov 26 01:08	0° <b>∡</b> ′43'43		morning max el	13576 Oct 16 10:36	10° <b>Ω</b> 33'50	27°29'16
morning set	13575 Dec 03 08:37	15° <b>∡</b> ³32'33			13576 Oct 31 12:08	0°M	
	13575 Dec 09 22:07	0°₹		asc. node	13576 Nov 11 21:59	20°M11'28	
	12555 0 10 02 20	00-700110	1025105	morning set	13576 Nov 16 16:17	29°M56'38	
superior conj	13575 Dec 10 03:39	0°る30'48			13576 Nov 16 16:55	0° <b>∡</b> ¹	
minimum elong	13575 Dec 10 03:00	0°る27'14			1257(2) 22 15 17	150 71000	1020140
max. Earth dist.	13575 Dec 10 21:57	2°る12'40	1.31456 AU	superior conj	13576 Nov 23 15:17	15° <b>₹</b> 12'23	
evening rise	13575 Dec 17 02:16	15° <b>る</b> 39'26		minimum elong	13576 Nov 23 13:45	15° <b>₹</b> 03'46	
	13575 Dec 24 07:09	0°≈		max. Earth dist.	13576 Nov 23 06:24	14° <b>₹</b> 22'42	1.31191 AU
desc. node	13575 Dec 28 19:11	8°≈03'23		evening rise	13576 Nov 30 08:57	0° <b>る</b> 04'01	
	13576 Jan 13 00:46	0° <b>)</b> (	27910151	JJ.	13576 Nov 30 08:12	0°궁 27° <b>궁</b> 06'32	
evening max el	13576 Jan 17 15:22	4° <b>)</b> 51′29 12° <b>)</b> 09′10	2/-1931	desc. node	13576 Dec 14 16:08	2/° <b>0</b> 0632 0° <b>≈</b>	
retrograde	13576 Jan 31 14:27 13576 Feb 07 10:55	12° <b>X</b> 09'10		ovenina mov el	13576 Dec 16 12:14 13576 Dec 29 16:22	0°≈ 16°≈31'11	26°31'24
evening set min. Earth dist.	13576 Feb 07 10.55 13576 Feb 11 05:54	7° <b>)</b> 14'13	0.60954 AU	evening max el retrograde	13577 Jan 12 15:22	16 ≈3111 23°≈38'11	20 31 24
inferior conj	13576 Feb 14 08:56	4° <b>H</b> 30'35		evening set	13577 Jan 19 03:29	23 ≈36 11 21°≈54'44	
minimum elong	13576 Feb 14 14:11	4° <b> ★</b> 19'05		min. Earth dist.	13577 Jan 23 06:07	19°≈17'50	0.58783 AU
minimum ciong	13576 Feb 20 18:12	4 <b>X</b> 1903	2 24 20	inferior conj	13577 Jan 26 09:40	19 <b>≈</b> 17 30 16° <b>≈</b> 54'40	
morning rise	13576 Feb 21 20:32	29°≈36'34		minimum elong	13577 Jan 26 17:47	16°≈39'15	
asc. node	13576 Feb 21 23:13	29°≈34'41		morning rise	13577 Feb 03 11:04	12°≈21'43	5 4/21
direct	13576 Feb 23 23:10	29°≈18'07		direct	13577 Feb 05 11:54	12°≈07'14	
direct	13576 Feb 27 02:03	0° <b>∀</b>		asc. node	13577 Feb 07 20:40	12°≈27'43	
morning max el	13576 Mar 02 01:30		17°54'26	morning max el	13577 Feb 13 12:07	16° <b>≈</b> 04'33	18°22'08
morning set	13576 Mar 17 15:54	27° <b>)</b> 16'08	1, 0.20	morning man er	13577 Feb 23 05:24	0° <b>)</b> €	10 22 00
morning sec	13576 Mar 19 03:56	0°Υ		morning set	13577 Mar 01 07:03	11° <b>∺</b> 16′05	
desc. node	13576 Mar 25 20:59	12° <b>Υ</b> 02'42		morning sec	13077 1144 01 07.03	11 /(10 00	
				superior conj	13577 Mar 10 13:21	28° <b>¥</b> 42'05	0°17'25
superior conj	13576 Mar 28 06:08	16° <b>Ƴ</b> 12'19	-0°18'47	minimum elong	13577 Mar 10 14:36	28° <b>) (</b> 47'48	
minimum elong	13576 Mar 28 04:27	16° <b>Y</b> 05′03	0°18'41	C	13577 Mar 11 06:26	$0^{\circ}$ Y	
max. Earth dist.	13576 Apr 04 16:19	28° <b>Y</b> 43'51	1.42883 AU	desc. node	13577 Mar 12 17:30	2° <b>Y</b> 38'25	
	13576 Apr 05 10:55	0°8		max. Earth dist.	13577 Mar 18 02:11	12° <b>Y</b> ′02'32	1.40835 AU
evening rise	13576 Apr 10 20:57	8° <b>8</b> 41'23		evening rise	13577 Mar 22 13:24	19° <b>Ƴ</b> 32'08	
-	13576 Apr 24 23:26	$\Pi^{\circ}0$		-	13577 Mar 29 02:26	0°8	
evening max el	13576 May 13 04:54	23° <b>∏</b> 31′58	22°03'11		13577 Apr 19 07:12	$\Pi^{\circ}0$	
asc. node	13576 May 19 19:57	28° <b>∏</b> 28′22		evening max el	13577 Apr 25 20:18	7° <b>Ⅱ</b> 23'18	23°23'40
retrograde	13576 May 22 15:27	29° <b>Ⅱ</b> 04'32		retrograde	13577 May 06 10:50	13° <b>Ⅱ</b> 37'46	
evening set	13576 May 27 07:15	27° <b>Ⅱ</b> 08'56		asc. node	13577 May 06 17:13	13° <b>∏</b> 37′27	
inferior conj	13576 Jun 01 13:46	20° <b>I</b> I50'00	3°01'28	evening set	13577 May 11 14:10	11° <b>Ⅱ</b> 27'45	
minimum elong	13576 Jun 01 12:30	20° <b>Ⅱ</b> 54'25	3°00'18	inferior conj	13577 May 16 23:16	5° <b>Ⅱ</b> 01′23	2°41'11
min. Earth dist.	13576 Jun 01 13:37	20° <b>Ⅱ</b> 50'32	0.68907 AU	minimum elong	13577 May 16 21:22	5° <b>Ⅱ</b> 07'55	2°39'55
morning rise	13576 Jun 06 17:34	14° <b>Ⅱ</b> 36′25		min. Earth dist.	13577 May 16 10:21	5° <b>Ⅱ</b> 45'51	0.68843 AU
direct	13576 Jun 11 13:00	12° <b>Ⅲ</b> 33'36			13577 May 20 24:00	30° <b>₹</b> 8	
morning max el	13576 Jun 21 00:41	18° <b>Ⅱ</b> 07'53	22°11'48	morning rise	13577 May 22 04:30	28° <b>8</b> 55'14	
desc. node	13576 Jun 21 22:04	19° <b>Ⅱ</b> 02'53		direct	13577 May 26 11:15	27° <b>8</b> 12'51	
	13576 Jun 30 21:20	$0$ $\circ$ $\odot$			13577 Jun 01 14:42	$\Pi^{\circ}0$	
	13576 Jul 21 05:42	$0^{\circ}\Omega$		morning max el	13577 Jun 03 18:06	1° <b>Ⅱ</b> 56'57	20°50'11
morning set	13576 Jul 24 03:46	4° <b>Ω</b> 39'45		desc. node	13577 Jun 08 19:06	7° <b>Ⅱ</b> 40′06	
max. Earth dist.	13576 Jul 29 11:22	13° <b>Ω</b> 23'49	1.41274 AU		13577 Jun 24 16:30	0°€	
				morning set	13577 Jul 03 17:46	13° <b>©</b> 48'40	
superior conj	13576 Aug 06 06:41	26° <b>Ω</b> 51′04	-1°19'13	max. Earth dist.	13577 Jul 11 18:18	26° <b>©</b> 31'52	1.43316 AU

	13577 Jul 13 21:28	$0^{\circ}\Omega$		max. Earth dist.	13578 Jun 24 07:42	10°524'49	1.44837 AU
superior conj	13577 Jul 18 14:44	7° <b>Ω</b> 49'33	-1°49'54	superior conj	13578 Jun 28 22:57	17°5548'08	-2°09'48
minimum elong	13577 Jul 18 21:57	8° <b>Ω</b> 19'57	1°50'08	minimum elong	13578 Jun 29 03:17	18° <b>©</b> 05'34	2°10'40
evening rise	13577 Jul 30 14:50	28° <b>Ω</b> 38'31			13578 Jul 06 10:31	$0^{\circ}\Omega$	
	13577 Jul 31 09:14	0° <b>m</b>		evening rise	13578 Jul 12 17:12	10° <b>Ω</b> 29'20	
asc. node	13577 Aug 02 16:43	4° Mp 05′22		asc. node	13578 Jul 20 13:25	23° <b>Ω</b> 35′58	
evening max el	13577 Aug 16 04:39	24° m 28'44	18°03'02		13578 Jul 24 15:05	0° m/y	
retrograde	13577 Aug 22 19:33	27° m 53'19		evening max el	13578 Jul 30 19:00	7° <b>m</b> 52'49	18°08'46
evening set	13577 Aug 25 06:41	27° m/24'49	1007111	retrograde	13578 Aug 06 03:42	11° Mp 13'31	
inferior conj minimum elong	13577 Aug 31 23:32 13577 Sep 01 01:23	22° Tp 23'06 22° Tp 18'34	1°06'11 1°05'18	evening set inferior conj	13578 Aug 08 23:06 13578 Aug 15 02:09	10° Mp 31'58 5° Mp 12'32	2°04'12
min. Earth dist.	13577 Sep 01 01:23 13577 Sep 04 02:02	19° <b>m</b> ) 22'40	0.61108 AU	minimum elong	13578 Aug 15 02:09	5° My 05'38	2°02'58
desc. node	13577 Sep 04 02:02 13577 Sep 04 16:27	18° <b>m</b> ) 49'46	0.01100710	min. Earth dist.	13578 Aug 17 17:35	2° Mp 18'47	0.63334 AU
morning rise	13577 Sep 07 17:20	16° m/25'50		mm. Earth dist.	13578 Aug 20 02:12	30°RΩ	0.03331710
direct	13577 Sep 14 08:32	14° m) 12'38		morning rise	13578 Aug 21 08:18	28° <b>Ω</b> 58'01	
morning max el	13577 Sep 28 14:07	22° m 09'00	27°57'45	desc. node	13578 Aug 22 13:57	28° <b>Ω</b> 06'42	
	13577 Oct 05 12:04	0∘ <b>⊽</b>		direct	13578 Aug 27 23:59	26° <b>Ω</b> 26'52	
	13577 Oct 24 15:35	$0^{\circ}$ M.			13578 Sep 05 20:11	0° <b>m</b>	
asc. node	13577 Oct 29 18:45	9°M56'40		morning max el	13578 Sep 10 22:48	4° Mp 28′25	27°47'38
morning set	13577 Oct 31 19:03	14°ML03'44			13578 Sep 30 04:07	0∘ <b>ত</b>	
max. Earth dist.	13577 Nov 06 13:20	26°M25'29	1.31445 AU	morning set	13578 Oct 15 14:35	27° <b>≏</b> 47'46	
				asc. node	13578 Oct 16 15:23	29° <b>£</b> 53'14	
superior conj	13577 Nov 08 01:51	29°M47'16	1°18'28	E d E d	13578 Oct 16 16:43	0°M	1 22220 ATT
minimum elong	13577 Nov 07 23:43	29° <b>™</b> 35'26 0° <b>₹</b>	1°19'02	max. Earth dist.	13578 Oct 20 14:47	8°M10'41	1.32238 AU
evening rise	13577 Nov 08 04:09 13577 Nov 14 18:47	0° <b>×</b> ° 14° <b>×</b> <sup>7</sup> 34'57		superior conj	13578 Oct 23 09:23	14° <b>M</b> 09'29	1°00'34
evening rise	13577 Nov 14 18.47 13577 Nov 22 08:37	14 <b>メ</b> ・34 37		minimum elong	13578 Oct 23 07:07	13°M57'10	1°00'51
desc. node	13577 Dec 01 13:11	15° <b>පි</b> 24'06		evening rise	13578 Oct 30 05:52	29°M06'34	1 00 31
evening max el	13577 Dec 11 08:52	27° <b>る</b> 18'33	25°11'45	evening rise	13578 Oct 30 15:49	0° <b>⊼</b> ¹	
<i>y</i>	13577 Dec 14 12:01	0° <b>≈</b>			13578 Nov 16 09:28	ర°0	
retrograde	13577 Dec 25 04:36	4°≈14'42		desc. node	13578 Nov 18 10:21	2° <b>る</b> 38'05	
evening set	13577 Dec 30 22:30	3° <b>≈</b> 00'16		evening max el	13578 Nov 22 19:00	7° <b>る</b> 25'59	23°32'40
min. Earth dist.	13578 Jan 04 20:54	0° <b>≈</b> 18'46	0.56800 AU	retrograde	13578 Dec 06 05:12	14° <b>ප</b> 06'53	
	13578 Jan 05 08:32	30°R₹		evening set	13578 Dec 10 17:48	13° <b>පි</b> 22'21	
inferior conj	13578 Jan 07 14:14	28° <b>ろ</b> 31'21		min. Earth dist.	13578 Dec 17 05:22	10° <b>ප</b> 16'54	0.55287 AU
minimum elong	13578 Jan 07 22:43	28° <b>⋜</b> 17'23	5°03'27	inferior conj	13578 Dec 18 22:21	9° <b>ට</b> 16'44	
morning rise	13578 Jan 16 01:19	24° <b>る</b> 20'35		minimum elong	13578 Dec 19 01:43	. •	5°51'10
direct	13578 Jan 18 06:28	24°る06'23		morning rise	13578 Dec 27 11:23	5° <b>る</b> 24'01	
asc. node morning max el	13578 Jan 25 18:02 13578 Jan 27 13:19	27° <b>පි</b> 01'25 28° <b>පි</b> 36'26	19°11'21	direct morning max el	13578 Dec 30 05:15 13579 Jan 10 01:19	5°る05'38 10°る16'35	20°23'44
morning max cr	13578 Jan 28 21:31	20 <b>⊙</b> 30 20	17 11 21	asc. node	13579 Jan 12 15:19	13°පි02'06	20 23 44
morning set	13578 Feb 13 07:36	25°≈40'25		use. Houe	13579 Jan 23 10:03	0°≈	
3	13578 Feb 15 11:47	0° <b>)</b>		morning set	13579 Jan 28 14:15	10°≈18'25	
				-			
superior conj	13578 Feb 21 14:09	12° <b>)</b> €00'02	0°47'20	superior conj	13579 Feb 05 04:00	25° <b>≈</b> 52'44	1°10'12
minimum elong	13578 Feb 21 16:44	12° <b>升</b> 12′27	0°47'21	minimum elong	13579 Feb 05 06:42	26° <b>≈</b> 06′18	1°10'32
desc. node	13578 Feb 27 14:00	23° <b>)</b> 14′06			13579 Feb 07 05:22	0° <b>∀</b>	
max. Earth dist.	13578 Feb 28 08:58	24° <b>)</b> 39′54	1.38589 AU	max. Earth dist.	13579 Feb 10 16:13	6° <b>)</b> 43′36	1.36385 AU
	13578 Mar 03 09:10	0° <b>Υ</b>		evening rise	13579 Feb 14 11:39	13° <b>)</b> € 50'40	
evening rise	13578 Mar 04 03:02	1° <b>Y</b> 17'36		desc. node	13579 Feb 14 10:32	13° <b>¥</b> 45'32 0° <b>⋎</b>	
avaning may al	13578 Mar 22 08:30 13578 Apr 08 09:57	0° <b>と</b> 21° <b>と</b> 15'53	24°43'22		13579 Feb 23 20:45 13579 Mar 17 04:48	0° <b>8</b>	
evening max el retrograde	13578 Apr 08 09.37 13578 Apr 20 02:36	21° <b>8</b> 05'28	24 43 22	evening max el	13579 Mar 17 04.48 13579 Mar 21 23:21	5° <b>8</b> 06'46	25°55'24
asc. node	13578 Apr 20 02:30 13578 Apr 23 14:34	27° <b>8</b> 11'58		retrograde	13579 Apr 03 13:49	12° <b>8</b> 20'40	23 33 24
evening set	13578 Apr 25 17:39	25° <b>8</b> 43'40		evening set	13579 Apr 09 15:59	9° <b>8</b> 50'57	
min. Earth dist.	13578 Apr 30 05:34	20° <b>8</b> 38'01	0.68316 AU	asc. node	13579 Apr 10 11:58	9° <b>8</b> 06'36	
inferior conj	13578 May 01 07:03	19° <b>8</b> 13'17	2°10'45	min. Earth dist.	13579 Apr 13 21:10	5° <b>8</b> 20'38	0.67342 AU
minimum elong	13578 May 01 04:54	19° <b>8</b> 20'28	2°09'26	inferior conj	13579 Apr 15 11:09	3° <b>8</b> 21'21	1°29'48
morning rise	13578 May 06 16:22	13° <b>8</b> 15'42		minimum elong	13579 Apr 15 09:14	3° <b>8</b> 27'22	1°28'40
direct	13578 May 10 10:54	11° <b>8</b> 54'10			13579 Apr 18 07:03	30° <b>₹</b> Υ	
morning max el	13578 May 17 18:51	15° <b>8</b> 57'52	19°41'01	morning rise	13579 Apr 21 03:10	27° <b>Ƴ</b> 33'35	
desc. node	13578 May 26 15:59	26° <b>8</b> 56'10		direct	13579 Apr 24 10:25	26° <b>Y</b> 31′23	
	13578 May 28 19:47	0°II	0.5		13579 Apr 30 23:53	0°8	100/
greatest brilliancy	13578 May 30 12:10	2° <b>Ⅱ</b> 26′24	-0.6m	morning max el	13579 May 01 02:59	0° <b>8</b> 07'32	18°47'13
morning set	13578 Jun 12 19:25	22° <b>II</b> 29'29		desc. node	13579 May 13 12:46	16° <b>8</b> 40'25	0.0
	13578 Jun 17 16:07	0ං <b>ව</b>		greatest brilliancy	13579 May 15 06:07	19° <b>8</b> 18'03	-0.8m

	13579 May 22 03:58	0°Щ		superior conj	13580 May 17 20:29	6° <b>Ⅱ</b> 10′26	-1°54'16
morning set	13579 May 23 05:50	1° <b>Ⅱ</b> 40'45		minimum elong	13580 May 17 11:49		1°54'32
max. Earth dist.	13579 Jun 07 01:23	24° <b>Ⅱ</b> 46′17	1.45687 AU	max. Earth dist.	13580 May 19 21:06	9° <b>Ⅱ</b> 20'38	1.45805 AU
					13580 Jun 02 03:54	$0$ $\circ$ $\odot$	
superior conj	13579 Jun 08 12:12	27° <b>II</b> 02'29		evening rise	13580 Jun 02 22:28	1° <b>©</b> 11'59	
minimum elong	13579 Jun 08 09:11	26° <b>Ⅱ</b> 50'42	2°13'04	greatest brilliancy	13580 Jun 14 17:01	19° <b>©</b> 18'33	-0.7m
	13579 Jun 10 09:29	$0$ $\circ$ $\infty$			13580 Jun 22 04:49	$0$ $^{\circ}\Omega$	
evening rise	13579 Jun 23 19:39	21° <b>©</b> 19'11		asc. node	13580 Jun 23 07:06	1° <b>Ω</b> 24'03	
	13579 Jun 29 05:19	0°N		evening max el	13580 Jun 26 17:24	5° <b>Ω</b> 17'28	19°13'25
asc. node	13579 Jul 07 10:12 13579 Jul 14 08:06	12° <b>Ω</b> 45'01 21° <b>Ω</b> 31'32	18°32'33	retrograde	13580 Jul 03 16:29 13580 Jul 07 05:43	9° <b>Ω</b> 09'38 7° <b>Ω</b> 56'23	
evening max el retrograde	13579 Jul 14 08:06 13579 Jul 20 19:49	$25^{\circ}\Omega 01'39$	18 32 33	evening set inferior conj	13580 Jul		3°04'10
evening set	13579 Jul 20 19.49 13579 Jul 23 23:52	23 <b>δ</b> (01 39 24° <b>Ω</b> 04'56		minimum elong	13580 Jul 12 10:00 13580 Jul 12 17:19	$2^{\circ}\Omega_{03'14}$	
inferior conj	13579 Jul 29 16:50	18° <b>Ω</b> 29'53	2°42'25	min. Earth dist.	13580 Jul 14 03:09	0°Ω13'27	0.66906 AU
minimum elong	13579 Jul 29 18:57	18° <b>Ω</b> 23'30	2°41'13		13580 Jul 14 07:22	30°Rூ	
min. Earth dist.	13579 Jul 31 18:27	16° <b>Ω</b> 00'06	0.65307 AU	morning rise	13580 Jul 18 04:18	25° <b>©</b> 42'53	
morning rise	13579 Aug 04 12:53	12° <b>Ω</b> 07′13		direct	13580 Jul 24 06:45	23°504'16	
desc. node	13579 Aug 09 11:24	9° <b>Ω</b> 35'49		desc. node	13580 Jul 26 08:49	23° <b>©</b> 20'23	
direct	13579 Aug 10 23:56	9° <b>Ω</b> 27'25			13580 Aug 05 06:30	$0^{\circ}\Omega$	
morning max el	13579 Aug 24 09:47		27°04'12	morning max el	13580 Aug 05 20:41	0° <b>Ω</b> 35'29	25°55'46
	13579 Sep 03 23:12	0° <b>m</b>			13580 Aug 27 22:18	0° <b>m</b> y	
	13579 Sep 23 01:28	0∘ <b>亚</b>		morning set	13580 Sep 10 20:23	23° m/39'27	
morning set	13579 Sep 29 00:13	11° <b>Ω</b> 02'47		D d F	13580 Sep 14 05:33	0° <b>⊽</b>	1 25 40 5 4 4 4
asc. node	13579 Oct 03 11:59 13579 Oct 03 07:20	19° <b>£</b> 57'09 19° <b>£</b> 33'31	1.33573 AU	max. Earth dist.	13580 Sep 14 13:45	0° <b>ჲ</b> 39'14 10° <b>ჲ</b> 03'55	1.35407 AU
max. Earth dist.	133/9 Oct 03 07.20	19 == 33 31	1.33373 AU	asc. node	13580 Sep 19 08:32	10 ==03 33	
superior conj	13579 Oct 07 11:45	28° <b>≙</b> 14'10	0°37'08	superior conj	13580 Sep 20 06:19	11° <b>≏</b> 53'59	0°08'32
minimum elong	13579 Oct 07 09:59	28° <b>Ω</b> 04'49	0°37'12	minimum elong	13580 Sep 20 05:50	11° <b>⊆</b> 51'28	0°08'33
	13579 Oct 08 07:45	0°M		behind sun begin	13580 Sep 20 00:37	11° <b>£</b> 25'03	
evening rise	13579 Oct 14 16:23	13°M34'50		behind sun end	13580 Sep 20 11:02	12° <b>≙</b> 17'56	
	13579 Oct 22 22:25	0°⊀		evening rise	13580 Sep 28 00:16	27° <b>≏</b> 53'54	
evening max el	13579 Nov 04 07:17	17° <b>∡</b> "28′36	21°51'47		13580 Sep 29 00:46	0° <b>M</b> ₊	
desc. node	13579 Nov 05 07:37	18° <b>∡</b> °26′01		evening max el	13580 Oct 16 06:40	28°Mo1'50	20°24'15
retrograde	13579 Nov 16 18:50	23° <b>∡</b> ³39'54			13580 Oct 18 11:20	0° <b>∡</b> ¹	
evening set	13579 Nov 19 21:52	23° <b>∡</b> 17'59 −		desc. node	13580 Oct 22 05:00	2° <b>∡</b> ¹20'47	
inferior conj	13579 Nov 28 16:15	19° <b>∡</b> 23'55		retrograde	13580 Oct 27 05:48	3° <b>∡</b> 128'50	
minimum elong	13579 Nov 28 10:42	19° <b>∡</b> ³31'41	5°44'20	evening set	13580 Oct 29 09:46	3° <b>∡</b> 17'03	
min. Earth dist.	13579 Nov 28 11:38	19° <b>∡</b> 30′23	0.54540 AU	: <b>C</b> :	13580 Nov 06 06:16	30°RM	4940124
morning rise direct	13579 Dec 07 00:30 13579 Dec 10 14:48	15° ₹ 36'26 15° ₹ 08'00		inferior conj minimum elong	13580 Nov 07 08:51 13580 Nov 06 22:45	29°M21'24 29°M36'08	4°37'01
morning max el	13579 Dec 22 22:55	21° <b>×</b> <sup>7</sup> 02'45	21°57'46	min. Earth dist.	13580 Nov 08 18:37	28°M32'03	0.54725 AU
morning max or	13579 Dec 22 22:33 13579 Dec 30 09:00	0°る	21 37 10	morning rise	13580 Nov 15 11:12	25°M20'11	0.5 1725 110
asc. node	13579 Dec 30 12:31	0°る12'49		direct	13580 Nov 20 00:09	24°M35'45	
morning set	13580 Jan 13 00:29	25° <b>පි</b> 02'56			13580 Dec 02 03:36	0° <b>∡</b> ¹	
	13580 Jan 15 08:31	0° <b>≈</b>		morning max el	13580 Dec 03 10:22	1° <b>∡</b> °09'36	23°45'29
				asc. node	13580 Dec 16 09:36	18° <b>∡</b> 17'26	
superior conj	13580 Jan 20 03:12	10° <b>≈</b> 09′28	1°26'03		13580 Dec 22 18:32	0°ಕ	
minimum elong	13580 Jan 20 05:16	10° <b>≈</b> 20′18	1°26'44	morning set	13580 Dec 27 12:18	9° <b>る</b> 48'22	
max. Earth dist.	13580 Jan 24 04:47	18°≈33'49	1.34445 AU		12501 X 02 02 :=	24074::	1025115
evening rise	13580 Jan 28 11:54	27°≈02'27		superior conj	13581 Jan 03 08:47	24° <b>3</b> 41'52	
desc. node	13580 Jan 30 01:19 13580 Feb 01 07:08	0° <b>)</b> 4° <b>)</b> {08'46		minimum elong	13581 Jan 03 09:51 13581 Jan 05 19:55	24°る47'39 0°≈	1°36'12
desc. node	13580 Feb 01 07:08 13580 Feb 17 04:46	4 π0846 0°Υ		max. Earth dist.	13581 Jan 05 19.55	0 ≈ 0°≈28'42	1.32906 AU
evening max el	13580 Mar 03 13:03	18° <b>Υ</b> 49'44	26°52'21	evening rise	13581 Jan 11 00:18	0 <b>≈</b> 28 <b>4</b> 2 10° <b>≈</b> 44'03	1.32700 AC
retrograde	13580 Mar 16 19:27	26° <b>Y</b> 15'36	20 32 21	desc. node	13581 Jan 18 03:49	24°≈19'06	
evening set	13580 Mar 23 07:19	23° <b>Y</b> 43'19			13581 Jan 21 09:44	0° <b>\</b>	
asc. node	13580 Mar 27 09:25	19° <b>Ƴ</b> 40'12			13581 Feb 11 20:42	$0^{\circ}$ $\Upsilon$	
min. Earth dist.	13580 Mar 27 07:07	19° <b>Y</b> '46'45	0.65958 AU	evening max el	13581 Feb 14 02:12	2° <b>Y</b> 14'42	27°26'48
inferior conj	13580 Mar 29 09:21	17° <b>Ƴ</b> 20'37	0°37'46	retrograde	13581 Feb 27 18:30	9° <b>Ƴ</b> 41'52	
minimum elong	13580 Mar 29 08:22	17° <b>Y</b> ′23'29	0°37'11	evening set	13581 Mar 06 13:30	7° <b>Y</b> 13′22	
morning rise	13580 Apr 04 10:45	11° <b>Y</b> '44'25		min. Earth dist.	13581 Mar 10 09:18	3° <b>Ƴ</b> 48'01	0.64215 AU
direct	13580 Apr 07 07:55	10° <b>Y</b> ′58′52		inferior conj	13581 Mar 12 23:07	1° <b>Y</b> ′04'57	
morning max el	13580 Apr 13 16:54	14° <b>Y</b> 19'56	18°10'00	minimum elong	13581 Mar 12 23:54	1° <b>Y</b> ′02'52	0°25'19
	13580 Apr 25 03:52	0°8			13581 Mar 13 23:57	30° <b>₹</b> ₩	
desc. node	13580 Apr 29 09:27	6° <b>8</b> 45'09		asc. node	13581 Mar 14 06:54	29° <b>)</b> 42'16	
morning set	13580 May 02 17:28	12° <b>႘</b> 07'22		morning rise	13581 Mar 19 12:23	25° <b>)</b> 42'44	
	13580 May 13 22:15	0°Щ		direct	13581 Mar 22 00:54	25° <b>∺</b> 10′28	

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morning max el	13581 Mar 28 10:08	28° <b>¥</b> 28'00	17°49'58		13582 Mar 24 02:59	0° <b>Ƴ</b>	
morning man er	13581 Mar 29 20:54	0°Υ	1, 1, 20	morning set	13582 Mar 28 00:07	6° <b>Ƴ</b> 49'56	
morning set	13581 Apr 14 09:16	23° <b>Y</b> ′56'14		desc. node	13582 Apr 03 02:38	17° <b>Y</b> ′33'32	
desc. node	13581 Apr 16 06:04	27° <b>Υ</b> ′04'42		acco. no ac	1300211p1 03 02.30	1, 13332	
desc. node	13581 Apr 17 23:54	0°8		superior conj	13582 Apr 08 12:26	26° <b>Ƴ</b> 48'13	-0°41'32
	13301 Apr 17 23.54	٥0		minimum elong	13582 Apr 08 08:25	26° <b>Υ</b> 31'20	
superior conj	13581 Apr 27 17:10	15° <b>8</b> 57'23	-1°21'10	minimum ciong	13582 Apr 10 10:19	0°8	0 41 10
minimum elong	13581 Apr 27 09:06	15° <b>8</b> 24'57		max. Earth dist.	13582 Apr 15 09:57	8° <b>8</b> 09'34	1.43883 AU
max. Earth dist.	13581 May 02 16:54	_	1.45184 AU	evening rise	13582 Apr 23 00:58	20° <b>8</b> 12'35	1.43003710
max. Bartii dist.	13581 May 06 14:08	0°II	1.15101110	evening rise	13582 Apr 29 10:53	0°П	
evening rise	13581 May 13 11:04	10° <b>Ⅱ</b> 36'45			13582 May 21 02:21	0° <b>©</b>	
evening rise	13581 May 26 08:22	0°95		evening max el	13582 May 23 19:20	2° <b>9</b> 55'45	21°19'01
greatest brilliancy	13581 May 28 02:35	2°934'02	-0.6m	asc. node	13582 May 28 01:14	6°929'25	21 1701
evening max el	13581 Jun 09 21:20	19°906'34	20°09'46	retrograde	13582 Jun 01 13:56	8°902'56	
asc. node	13581 Jun 10 04:06	19° <b>©</b> 23'21	20 07 40	evening set	13582 Jun 05 23:28	6°9516'04	
retrograde	13581 Jun 17 15:11	23°932'04		inferior conj	13582 Jun 11 05:26	0°902'31	3°08'27
evening set	13581 Jun 21 14:15	22° <b>©</b> 01'47		minimum elong	13582 Jun 11 04:39	0°905'15	
inferior conj	13581 Jun 26 21:06	15°959'39	3°12'11	minimum ciong	13582 Jun 11 06:09	30°RII	3 0/21
minimum elong	13581 Jun 26 21:17	15° <b>©</b> 59'01	3°11'09	min. Earth dist.	13582 Jun 11 12:40	29° <b>Ⅱ</b> 37'18	0.68736 AU
min. Earth dist.	13581 Jun 27 17:55	14°9548'51	0.68061 AU	morning rise	13582 Jun 16 09:37	23° <b>II</b> 45'31	0.00730 AC
morning rise	13581 Jul 02 03:59	9° <b>©</b> 37'47	0.00001 AC	direct	13582 Jun 21 12:20	21° <b>II</b> 32'14	
direct	13581 Jul 07 19:15	7°508'48		desc. node	13582 Jun 30 03:22	26° <b>Ⅱ</b> 03'47	
desc. node	13581 Jul 13 06:09	8°958'48		morning max el	13582 Jul 01 17:56	27° <b>I</b> I36'32	23°02'24
morning max el	13581 Jul 19 06:59	14° <b>©</b> 01'46	24°31'55	morning max cr	13582 Jul 03 23:57	0°95	23 02 24
morning max cr	13581 Aug 01 06:52	0°Ω	24 31 33		13582 Jul 25 21:46	0°N	
	13581 Aug 20 18:36	0° m)		morning set	13582 Aug 05 03:09	16° <b>Ω</b> 16'45	
morning set	13581 Aug 23 22:52	5° m) 27'39		max. Earth dist.	13582 Aug 09 11:42	23°Ω37'33	1.39963 AU
max. Earth dist.	13581 Aug 27 13:11		1.37613 AU	max. Lartii dist.	13582 Aug 13 03:24	0° m)	1.57705710
max. Darm dist.	15501 Aug 27 15.11	11 11/2113	1.57015710		13302 Aug 13 03.24	V III	
superior conj	13581 Sep 03 13:52	25° mg 01'07	-0°24'16	superior conj	13582 Aug 17 06:25	7° m/26'08	-0°59'18
minimum elong	13581 Sep 03 15:30	25° m/09'02		minimum elong	13582 Aug 17 10:49	7° m) 46'20	
asc. node	13581 Sep 06 05:06	0° <u>م</u> 10'00		asc. node	13582 Aug 24 01:41	20° m 11'51	
	13581 Sep 06 03:04	0∘ <b>⊽</b>		evening rise	13582 Aug 26 22:03	25° m/38'54	
evening rise	13581 Sep 12 03:09	11° <b>≏</b> 57'50		C	13582 Aug 29 04:51	0∘ <b>⊽</b>	
C	13581 Sep 21 19:24	0°M		evening max el	13582 Sep 11 22:04	21° <b>≏</b> 30'37	18°32'22
evening max el	13581 Sep 28 20:19	9°M22'45	19°17'21	retrograde	13582 Sep 19 20:18	25° <b>≏</b> 30'44	
retrograde	13581 Oct 08 03:44	14°ML02'25		evening set	13582 Sep 21 19:41	25° <b>≙</b> 16'36	
desc. node	13581 Oct 09 02:27	13°M59'42		desc. node	13582 Sep 25 23:57	23° <b>≏</b> 25'11	
evening set	13581 Oct 10 00:23	13°M52'03		inferior conj	13582 Sep 29 16:24	20° <b>≏</b> 46'56	-1°10'06
inferior conj	13581 Oct 18 14:14	9° <b>M</b> 42′19	-2°58'01	minimum elong	13582 Sep 29 13:37	20° <b>ჲ</b> 52'19	1°08'42
minimum elong	13581 Oct 18 06:39	9°M54'51	2°54'38	min. Earth dist.	13582 Oct 02 21:35	18° <b>ഫ</b> 18'39	0.57595 AU
min. Earth dist.	13581 Oct 21 04:58	7°M58'57	0.55812 AU	morning rise	13582 Oct 07 04:06	15° <b>≏</b> 36'35	
morning rise	13581 Oct 26 10:31	5°M09'50		direct	13582 Oct 13 05:21	14° <b>ഫ</b> 04'10	
direct	13581 Oct 31 19:39	4°M03'54		morning max el	13582 Oct 27 12:34	21° <b>≏</b> 35'47	26°55'37
morning max el	13581 Nov 14 20:33	11° <b>M</b> 09'37	25°30'56		13582 Nov 03 21:30	0° <b>M</b> ₊	
	13581 Nov 29 05:18	0° <b>∡</b> ¹		asc. node	13582 Nov 20 03:29	26° <b>M</b> ₁7'42	
asc. node	13581 Dec 03 06:36	7° <b>х</b> ¹02'36			13582 Nov 22 00:47	0° <b>∡</b> 7	
morning set	13581 Dec 11 23:52	24° <b>∡</b> °29'31		morning set	13582 Nov 26 09:29	9° <b>₰</b> 01'55	
	13581 Dec 14 12:37	ა∘გ					
				superior conj	13582 Dec 03 05:43	24° <b>х</b> 06′04	1°35'06
superior conj	13581 Dec 18 18:17	9° <b>る</b> 22'36		minimum elong	13582 Dec 03 04:40	24° <b>∡</b> ¹00′11	1°36'03
minimum elong	13581 Dec 18 18:15	9° <b>る</b> 22'24		max. Earth dist.	13582 Dec 03 12:34	24° <b>∡</b> ⁴44'20	1.31278 AU
max. Earth dist.	13581 Dec 20 04:53	12° <b>る</b> 33'31	1.31841 AU		13582 Dec 05 21:17	0°る	
evening rise	13581 Dec 25 21:45	24° <b>る</b> 47'19		evening rise	13582 Dec 10 01:43	9° <b>ප</b> 06'06	
	13581 Dec 28 11:10	0° <b>≈</b>			13582 Dec 20 19:30	0° <b>≈</b>	
desc. node	13582 Jan 05 00:36	14°≈10′03		desc. node	13582 Dec 22 21:29	3° <b>≈</b> 33'58	
	13582 Jan 14 23:34	0° <b>∀</b>		evening max el	13583 Jan 09 17:28	27°≈15'36	27°03'23
evening max el	13582 Jan 27 12:34	15° <b>)</b> €07'22	27°32'01	_	13583 Jan 12 21:35	0° <b>)</b> {	
retrograde	13582 Feb 10 09:51	22° <b>∺</b> 29'14		retrograde	13583 Jan 23 16:37	4° <b>∺</b> 29'09	
evening set	13582 Feb 17 07:45	20° <b>)</b> 11'47		evening set	13583 Jan 30 10:49	2° <b>)</b> (30′47	
min. Earth dist.	13582 Feb 21 01:49		0.62195 AU		13583 Feb 03 02:29	30°R≈	
inferior conj	13582 Feb 24 01:16	14° <b>)</b> €25'14		min. Earth dist.	13583 Feb 03 07:46		0.60024 AU
minimum elong	13582 Feb 24 04:42	14° <b>)</b> € 17'07	1°38'24	inferior conj	13583 Feb 06 12:15	27°≈12'28	
asc. node	13582 Mar 01 04:23	10° <b>)</b> €15'55		minimum elong	13583 Feb 06 18:51	26°≈58'53	2°59'31
morning rise	13582 Mar 03 04:26	9° <b>)</b> € 20'08		morning rise	13583 Feb 14 06:02	22° <b>≈</b> 27'30	
direct	13582 Mar 05 10:05	8° <b>)</b> €57'36	1001	direct	13583 Feb 16 07:23	22°≈11'10	
morning max el	13582 Mar 12 03:35	12° <b>米</b> 22'17	17°47'34	asc. node	13583 Feb 16 01:49	22° <b>≈</b> 11'23	

morning max el	13583 Feb 23 17:49	25°≈53'29	18°03'48	direct	13584 Jan 29 12:27	4° <b>≈</b> 39'57	
morning max ci	13583 Feb 27 05:52	0° <b>\</b>	18 03 48	asc. node	13584 Feb 02 23:13	5°≈47'44	
morning set	13583 Mar 11 07:52	20° <b>¥</b> 29'58		morning max el	13584 Feb 07 00:58	8°≈50'19	18°40'23
morning set	13583 Mar 16 11:07	0°Υ		morning max cr	13584 Feb 20 17:03	0° <b>X</b>	10 40 23
desc. node	13583 Mar 20 23:09	8° <b>Υ</b> 07'53		morning set	13584 Feb 23 03:26	4° <b>¥</b> 41'15	
dese. node	13003 1/141 20 23:09	0 1 0, 03		morning sec	1350.1100 23 03.20	. ,(	
superior conj	13583 Mar 21 07:29	8° <b>Y</b> 44'54	-0°02'47	superior conj	13584 Mar 02 22:43	21° <b>¥</b> 36'40	0°30'57
minimum elong	13583 Mar 21 07:15	8° <b>Y</b> 43'53	0°02'49	minimum elong	13584 Mar 03 00:43	21° <b>)</b> 45′59	0°30'52
behind sun begin	13583 Mar 20 23:33	8° <b>Y</b> 09'38		desc. node	13584 Mar 06 19:39	28° <b>)</b> 44′06	
behind sun end	13583 Mar 21 14:58	9° <b>Y</b> 18'02			13584 Mar 07 12:30	$0^{\circ}$ Y	
max. Earth dist.	13583 Mar 28 22:04	21° <b>Y</b> 50'05	1.42047 AU	max. Earth dist.	13584 Mar 10 05:41	4° <b>Y</b> 48'34	1.39881 AU
	13583 Apr 02 21:49	$9^{\circ}$ 8		evening rise	13584 Mar 14 07:06	11° <b>Y</b> 45'40	
evening rise	13583 Apr 03 05:37	0° <b>8</b> 31'18			13584 Mar 25 17:55	$0^{\circ}S$	
	13583 Apr 22 22:46	$\Pi$ °0			13584 Apr 17 11:58	$\Pi$ °0	
evening max el	13583 May 06 12:26	16° <b>∏</b> 45'19	22°37'02	evening max el	13584 Apr 18 02:46	0° <b>Ⅲ</b> 37'17	23°58'11
asc. node	13583 May 14 22:27	22° <b>Ⅱ</b> 26'13		retrograde	13584 Apr 29 05:10	7° <b>Ⅱ</b> 08'32	
retrograde	13583 May 16 11:02	22° <b>Ⅱ</b> 36'51		asc. node	13584 Apr 30 19:44	6° <b>Ⅱ</b> 56'57	
evening set	13583 May 21 07:42	20° <b>∏</b> 34'42		evening set	13584 May 04 13:20	4° <b>∏</b> 53'16	
inferior conj	13583 May 26 15:03	14° <b>Ⅱ</b> 11'58	2°54'06		13584 May 08 19:54	30°₹ <b>႘</b>	0.60662.433
minimum elong	13583 May 26 13:28	14° <b>Ⅱ</b> 17′26	2°52'53	min. Earth dist.	13584 May 09 05:48	29° <b>8</b> 26'36	0.68663 AU
min. Earth dist.	13583 May 26 09:21	14° <b>∏</b> 31'46	0.68933 AU	inferior conj	13584 May 10 00:02	28° <b>8</b> 24'30 28° <b>8</b> 31'31	2°29'35
morning rise	13583 May 31 19:08	8° <b>П</b> 01'22 6° <b>П</b> 07'19		minimum elong	13584 May 09 21:59	28°631'31 22°621'37	2°28'15
direct	13583 Jun 05 09:00	6°Щ0/19 11° <b>Ш</b> 19'53	21°35'50	morning rise direct	13584 May 15 06:40	20° <b>8</b> 48'10	
morning max el desc. node	13583 Jun 14 08:08 13583 Jun 17 00:28	11 <b>П</b> 1933	21 33 30	morning max el	13584 May 19 08:04 13584 May 27 04:28	25° <b>8</b> 14'10	20°10'02
desc. flode	13583 Jun 29 00:49	0°95		morning max cr	13584 May 31 10:25	0° <b>Ⅱ</b>	20 1902
morning set	13583 Jul 16 06:24	26°900'12		desc. node	13584 Jun 02 21:26	3° <b>Ⅱ</b> 08'11	
morning set	13583 Jul 18 18:30	0°Ω		desc. node	13584 Jun 21 09:02	0°95	
max. Earth dist.	13583 Jul 22 14:22		1.42189 AU	morning set	13584 Jun 24 13:01	4°951'32	
man. Darm dist.	13003 (41 22 122	0 0013 17	1210,110	max. Earth dist.	13584 Jul 03 23:43	19° <b>©</b> 41'15	1.44030 AU
superior conj	13583 Jul 30 03:28	18° <b>Ω</b> 58'38	-1°33'06			-,	
minimum elong	13583 Jul 30 10:17	19° <b>Ω</b> 28'13		superior conj	13584 Jul 10 01:26	29° <b>©</b> 32'12	-2°00'06
Č	13583 Aug 05 09:05	0° <b>m</b>		minimum elong	13584 Jul 10 08:05	29° <b>©</b> 59'36	2°00'35
evening rise	13583 Aug 10 05:02	8° Mp 46'27		_	13584 Jul 10 08:11	$0^{\circ}\Omega$	
asc. node	13583 Aug 10 22:18	10° <b>m</b> 05'11		evening rise	13584 Jul 22 19:20	21° <b>Q</b> 09'03	
	13583 Aug 22 17:59	0∘ <b>⊽</b>		asc. node	13584 Jul 27 18:57	29° <b>Ω</b> 46′01	
evening max el	13583 Aug 26 07:51	4° <b>£</b> 15'58	18°08'07		13584 Jul 27 22:14	0° <b>m</b>	
retrograde	13583 Sep 02 07:08	7° <b>₽</b> 49'26		evening max el	13584 Aug 08 21:40	17° <b>m</b> 29'32	18°03'15
evening set	13583 Sep 04 13:31	7° <b>≏</b> 27'18		retrograde	13584 Aug 15 08:42	20° <b>m</b> 50'32	
inferior conj	13583 Sep 11 15:57	2° <b>₽</b> 37'08	0°22'42	evening set	13584 Aug 17 23:19	20° <b>m</b> 16'49	
minimum elong	13583 Sep 11 16:42	2° <b>≏</b> 35'28	0°22'22	inferior conj	13584 Aug 24 09:53	15°M <b>)</b> 07'37	1°33'22
desc. node	13583 Sep 12 21:29	1° <b>≏</b> 30'14		minimum elong	13584 Aug 24 12:11	15° Mp 01'42	1°32'15
	13583 Sep 14 13:57	30°R, Mp		min. Earth dist.	13584 Aug 27 08:21	12° Mp 07'26	0.62081 AU
min. Earth dist.	13583 Sep 14 22:22	29° m 41'51	0.59787 AU	desc. node	13584 Aug 29 19:00	9° m 54'33	
morning rise	13583 Sep 18 16:34	26° m 54'03		morning rise	13584 Aug 30 22:38	9° Mp 01'55	
direct	13583 Sep 25 04:35	24° m 54'15		direct	13584 Sep 06 14:59	6° TD 39'42	27957145
morning max el	13583 Oct 06 11:39 13583 Oct 09 12:11	0° <b>ჲ</b> 2° <b>ჲ</b> 44'38	27946110	morning max el	13584 Sep 20 18:06 13584 Oct 03 04:56	14° <b>™</b> 39'42 0° <b>₽</b>	21 3143
morning max ci	13583 Oct 09 12.11 13583 Oct 29 10:10	2 ==44 38 0°M	21 7010		13584 Oct 20 23:35	0°M	
asc. node	13583 Nov 07 00:16	15°M53'44		asc. node	13584 Oct 23 20:59	5°M44'38	
morning set	13583 Nov 10 15:18	23°M19'43		morning set	13584 Oct 24 15:17	7°M17'58	
morning sec	13583 Nov 13 17:59	0° <b>√</b>		max. Earth dist.	13584 Oct 30 01:33	18°M47'31	1.31720 AU
max. Earth dist.	13583 Nov 16 20:42		1.31231 AU				
				superior conj	13584 Nov 01 02:40	23°M16'23	1°11'34
superior conj	13583 Nov 17 17:07	8° <b>∡</b> ¹45'42	1°26'12	minimum elong	13584 Nov 01 00:24	23°M03'59	1°12'01
minimum elong	13583 Nov 17 15:17	8° <b>∡</b> ³35′26	1°26'56	S	13584 Nov 04 03:44	0° <b>∡</b> ¹	
evening rise	13583 Nov 24 09:57	23° <b>∡</b> ³33'55		evening rise	13584 Nov 07 20:33	8° <b>₰</b> 06'01	
	13583 Nov 27 11:11	8°0			13584 Nov 19 00:54	ರ∘ರ	
desc. node	13583 Dec 09 18:28	22° <b>る</b> 19'35		desc. node	13584 Nov 25 15:33	10° <b>る</b> 12'38	
	13583 Dec 15 02:39	0° <b>≈</b>		evening max el	13584 Dec 03 03:59	19° <b>る</b> 00'03	24°30'56
evening max el	13583 Dec 22 14:40	8° <b>≈</b> 31'51	26°00'45	retrograde	13584 Dec 16 21:05	25° <b>る</b> 50'23	
retrograde	13584 Jan 05 13:09	15° <b>≈</b> 35'16		evening set	13584 Dec 22 03:25	24° <b>る</b> 49'23	
evening set	13584 Jan 11 18:41	14° <b>≈</b> 03'39		min. Earth dist.	13584 Dec 27 15:43	21° <b>る</b> 59'46	0.56080 AU
min. Earth dist.	13584 Jan 16 03:45	11°≈26'49	0.57895 AU	inferior conj	13584 Dec 30 00:11	20°る31'42	
inferior conj	13584 Jan 19 04:35	9°≈16'53		minimum elong	13584 Dec 30 07:15	20°る20'40	5°28'50
minimum elong	13584 Jan 19 13:21	9°≈01'13	4°21'33	morning rise	13585 Jan 07 13:05	16° <b>る</b> 29'07	
morning rise	13584 Jan 27 10:55	4° <b>≈</b> 53'41		direct	13585 Jan 09 22:27	16° <b>る</b> 13'46	

ase, node         13385 Name         19 2003         27950708         remning mare         13585 Dec 18 12-44         277-870-50           morning nate         13385 Name         2 21124         0 29-84         179-171         dec. node         13585 Date 0 20-23         275-800         0 75           superior conjugate         13385 Feb 1 60-63         59-812         199-8122         morning max et         13585 Date 0 16 17-38         75-83322         275-100         197-100         197-83         275-100         197-83         197-83         275-100         197-83         275-100         197-83         275-100         197-83         275-100         197-83         275-100         197-83         275-100         197-93         198-93								
1888   1888   1898	asc. node	13585 Jan 19 20:33	21° <b>ろ</b> 00'18		morning rise	13585 Dec 18 12:41	27° <b>҂</b> 10′50	
Marching and   1988 for 16 of 54   54   57   57   57   57   57   57	morning max el	13585 Jan 19 20:52	21° <b>る</b> 01'03	19°39'17	direct	13585 Dec 21 14:52	26° <b>≯</b> ¹48'45	
1888   18   18   18   18   18   18		13585 Jan 26 21:24	0° <b>≈</b>			13585 Dec 30 09:00	0°ರ	
spectro cong insimum cong minimum cong minimum cong minimum cong minimum cong minimum cong max Earth dist.         1585 Feb 1 of 10.61         9740 974         1736 00         1585 feb 2 of 10.61         9740 974         1736 00         1585 feb 2 of 10.61         9740 974         1736 00         1585 feb 2 of 10.62         1747 974 <td>morning set</td> <td>13585 Feb 06 06:54</td> <td>19°<b>≈</b>12'22</td> <td></td> <td>morning max el</td> <td>13586 Jan 02 02:33</td> <td>2°<b>⋜</b>18′04</td> <td>21°01'19</td>	morning set	13585 Feb 06 06:54	19° <b>≈</b> 12'22		morning max el	13586 Jan 02 02:33	2° <b>⋜</b> 18′04	21°01'19
signification of pulse of max Earth dist         1358 Seb 1 of 105         594 More of 97803         1388 Seb 1 of 105         594 More of 97803         1388 Seb 1 of 105         194 More of 107804         1388 Geb 2 of 105         194 More of 107804         1388 Geb 2 of 105         194 More of 107804         1888 Geb 2 of 105         194 More of 107804         1888 Geb 3 of 105         194 More of 107804         1888 Geb 3 of 105         194 More of 107804         1888 Geb 3 of 106         194 More of 107804         1888 Geb 3 of 107804 <t< td=""><td></td><td>13585 Feb 11 15:06</td><td>0°<b>∀</b></td><td></td><td>asc. node</td><td>13586 Jan 06 17:48</td><td>7°<b>る</b>33'32</td><td></td></t<>		13585 Feb 11 15:06	0° <b>∀</b>		asc. node	13586 Jan 06 17:48	7° <b>る</b> 33'32	
signification of pulse of max Earth dist         1358 Seb 1 of 105         594 More of 97803         1388 Seb 1 of 105         594 More of 97803         1388 Seb 1 of 105         194 More of 107804         1388 Geb 2 of 105         194 More of 107804         1388 Geb 2 of 105         194 More of 107804         1888 Geb 2 of 105         194 More of 107804         1888 Geb 3 of 105         194 More of 107804         1888 Geb 3 of 105         194 More of 107804         1888 Geb 3 of 106         194 More of 107804         1888 Geb 3 of 107804 <t< td=""><td></td><td></td><td></td><td></td><td></td><td>13586 Jan 19 17:45</td><td>0°<b>≈</b></td><td></td></t<>						13586 Jan 19 17:45	0° <b>≈</b>	
minimations of max. Earth Mat. 1385 Feb. 2016.79         774279 (1948)         0748074 (1948)         perfect one of minimation of 13856 Inc. 20 (218)         1974070 (1948)         171704 (1948) <t< td=""><td>superior coni</td><td>13585 Feb. 14 05:31</td><td>5°¥10'29</td><td>0°57'55</td><td>morning set</td><td></td><td></td><td></td></t<>	superior coni	13585 Feb. 14 05:31	5°¥10'29	0°57'55	morning set			
max         max         1358 Feb. 20 1.39         174 Moyl 1         1376 Au J.         upering one         1388 Feb. 20 6.11         1974 Moyl 2         1878 Jeb         187					morning sec	15500 3411 21 15.25	3 / 6 / 5 / 6 / 6	
descended         1385 Feb. 21 led         1994 H823         minimum denge         1385 feb. 20 15.22         6270 1352 AU         355 52 AU         35	•				gunariar agni	12596 Ian 20 22:40	1000015116	1017146
Penning rise   1885 Feb 24 051   29145242   1885 Feb 10 21.00				1.37030 AU				
1888   Feb 2   1752   07°   1888   Feb 2   1752   07°   1888   Feb 1   1888   1894   1620   1888   1894   1620   1888   1895   1898					U			
Cereming mark   1388 Mar   9   11-06   0°B   2918   2918   358 fee   0.6   21-09   6°P4   472   1819   1818   18	evening rise				max. Earth dist.			1.35523 AU
Performance   1,358 Mar   1,620   42°80'2   22°13'56   dec. node   1,358 feb   0.14   9°14'72   1,706   19°14'82   1,358 feb   0.14   0.00   28°10'14   1,506   0.00   0								
ortograde         1358 Apr 12 1859         12°B1788         cene and         1358 Apr 18 1448         9°B0783         cene may         1358 Apr 18 1448         9°B0783         cene may         1358 Apr 18 1448         9°B0783         cene may         1358 Apr 18 0 100         0°B0783         20°B0783         20°B0783<		13585 Mar 19 11:06	_		evening rise	13586 Feb 06 21:00		
Seeming set   13585 Agr   17   1706   99°849°8   Pereining max   13585 Agr   18   148   19°846°8   Pereining max   13585 Agr   18   148   19°846°8   Pereining max   13585 Agr   20   13585 Agr   21   148   Pereining max   13585 Agr   22   2348   Pereining max   13585 Agr   22   2348   Pereining max   13585 Agr   22   2348   Pereining max   13585 Agr   20   1318   Pereining max   13585 Agr   20   1358 Agr   20	evening max el	13585 Mar 31 16:20	14° <b>8</b> 30'21	25°15'36	desc. node	13586 Feb 08 12:41		
cwoning and in Earth dist.         1358 Apr 18 14-48         19°C00073         Certain Carth dist.         1358 Apr 22 248         14°C124         60°P47 AU         retoraged contained         1358 Apr 20 30-48         25°B370         15°B370         <	retrograde	13585 Apr 12 18:59	21° <b>8</b> 31'28			13586 Feb 20 11:58	$0$ ° $\Upsilon$	
mine find disk         1388 Ayr         22         2348         1*B1524         07947AU         retrogade         1386 Ayr         20         580 579         1*P6470         retrogracy         1388 Ayr         20         1285 39         1*P6470         asc. node         1386 Ayr         01         140         1*P60449         retrogracy         1388 Ayr         01         140         1*P60449         retrogracy         1388 Ayr         01         180         180         00*P6710         180         180         00*P6710         0.6806 AU         1388 Ayr         08         181         2*P6217         0.6806 AU         1388 Ayr         08         181         2*P6217         0.6806 AU         1816 Ayr         00*P6740         10*P00         186         00*P6740         10*P00         1818 Ayr         00*P6740         10*P00         188         18*P1217         10*P0111         18*P141         10*P00         10*P00         18*P141         10*P00         10*P0111         18*P141         10*P00         10*P00 <td>asc. node</td> <td>13585 Apr 17 17:06</td> <td>19°<b>8</b>48'28</td> <td></td> <td>evening max el</td> <td>13586 Mar 14 06:04</td> <td>28°<b>Ƴ</b>19'47</td> <td>26°21'55</td>	asc. node	13585 Apr 17 17:06	19° <b>8</b> 48'28		evening max el	13586 Mar 14 06:04	28° <b>Ƴ</b> 19'47	26°21'55
inferior conj         1358 Apr 2 4 0-50 1         12°45 29° 19° 14° 14° 12° 19° 14° 14° 13° 19° 14° 14° 19° 14° 14° 19° 14° 14° 19° 14° 14° 19° 14° 14° 18° 19° 14° 14° 18° 19° 14° 14° 18° 18° 14° 14° 14° 18° 14° 14° 14° 14° 14° 14° 14° 14° 14° 14	evening set	13585 Apr 18 14:48	19° <b>8</b> 06'03			13586 Mar 16 01:02	$8^{\circ 0}$	
inferior conj         1358 Apr 2 4 0-63 0         12°43 52°9 1818 0         6°4414 0         12°42 52°25 1872 0         sec. node         1358 Apr 0 1 1432 1874 0         1804 0	min. Earth dist.	13585 Apr 22 23:48	14° <b>8</b> 15'24	0.67947 AU	retrograde	13586 Mar 27 03:44	5° <b>8</b> 39'20	
minimule moling minimule moling into moling fire moling				1°54'44	-	13586 Apr 02 10:23		
Maning rise   1388 Agr 29   1818   6° 84140   1386 Agr 05   1403   28° 47° 575   0.6806 Agr 06   1368 Agr 05   1303   28° 47° 670   1408 Agr 06   1388 Agr 05   1303   28° 47° 670   1408 Agr 06   1388 Agr 05   1303   28° 47° 670   1408 Agr 06   1388 Agr 05   1303   28° 47° 670   1408 Agr 06   1388 Agr 05   1303   28° 47° 670   1408 Agr 06   1388 Agr 05   1303   28° 47° 670   1408 Agr 07   1	•		_		C	•		
direct         13885 May 10 80 90 90 80 97 80 97 80 97 80 10 10 10 1358 6Apr 10 80 32 26 97 40 42 1900 90 40 40 13585 May 20 1816 1228 372 10 10 10 10 10 10 10 10 10 10 10 10 10	•	•		1 33 27	use. Houe	•	_	
morning maxel   1388 May 10   0820   9°1847   9°1611   minimum elong   1386 Apr 08 0823   26°74'043   19'09'0   greatesh brilling   1388 May 21 0734   0°17   minimum elong   1386 Apr 18 040   26°74'578   10'81'1   morning set   1388 May 22 1734   0°17   morning maxel   1386 Apr 18 040   20°70'703   12°20'703   morning set   1388 May 21 1734   0°17   morning maxel   1386 Apr 18 040   20°70'703   12°20'703   max Earth dist   1388 May 12 10'18   13°18'31'   13°18'31'   morning maxel   1386 Apr 21 19'11   10'80'   12°30'703   max Earth dist   1388 May 11 10 15'   15	•				min Earth diat			0.66906 ATT
desc. node   1388 My 20 18.16   22°8372			_	10017111		-		
greatest brillainey         1388 May 2 17:34         0°B Way 2 13:38 May 2 19:15         0°B Way 1 19:13         0°B Way	-		_	19°16'11	3	-		
Morning set   13885 May 25 17.34   0°H   morning max el   13886 Apr 23 19.11   23°Y3036 18°2920   max. Earth dist.   13885 Jun 16 15.16   3°£94874   1.45286 AU   desc. node   13586 Apr 20 19.15   0°H   morning max el   13886 May 18 11.15   23°H   178   178   188			_		•	-		1°08'11
moming set         13885 Jul 0 3 15:38         3°B'B'31 3 1-3°B'3         3°B'B'31 1 4 0.4°S         0°B'B'32 3 1-14 0.4°S         0°B'B'33 1 1 0.0°S         0°B'B'34 1 1 0.0°S         0°B'B'14 1 0.0°	greatest brilliancy			-0.7m	morning rise	-		
max. Earth dist.         13585 Jun 14 04:57         0°E         Lead of comming set of moring set of morin		13585 May 25 17:34	$\Pi$ $\circ 0$		direct	13586 Apr 17 07:00		
max. Earth dist         13585 Jun 16 15:16         3°@48'34   1.45286 AU         desc. node         13586 May 17 15:00         12°B3'114         2°B7'134           superior conj         13585 Jun 20 01:39         9°B08'53   2°13'14         morning set         13586 May 18 17:43         0°LT         9°B01'53         2°13'14         morning set         13586 May 18 17:43         0°LT         9°B01'53         2°13'14         morning set         13586 May 30 03:13         18'TL4'00         2°06'52         18'TL4'00         13586 May 30 03:13         18'TL4'01         2°07'36         asc. node         13585 Jul 21 15:41         19°R0'80'80         max. Earth dist.         13586 May 30 03:13         18'TL9'03         158'83 Jul 22 12:26         0°P3'61         asc. node         13586 May 30 03:13         18'TL9'03         158'83 Jul 22 12:26         0°P3'61         158'83 Jul 23 11:54         18'R1'19'01         18'81'19'23         14'83'34         14'83'34         18'B1'19'23         14'83'34'34	morning set	13585 Jun 03 15:38	13° <b>Ⅱ</b> 37'31		morning max el	13586 Apr 23 19:11	23° <b>Y</b> 30'36	18°29'20
superior conj         13585 Jun         20         02         9°808'53         2°13'14         13586 May 18         1743         0°11         1740         0°11         1740         0°11         1740         0°11         1740         0°11         1740         0°11         1740         0°11         1740         0°11         1740         0°11         1740         0°11         1740         0°11         1740         2°06'52         0°10         1740         0°20'63'2         0°20'63'2         0°20'63'2         0°20'63'2         0°20'63'2         0°20'63'2         0°20'63'2         0°20'63'2         0°20'63'2         0°20'63'2         0°20'73'3		13585 Jun 14 04:57	$0$ $\circ$ $\odot$			13586 Apr 29 05:15	$9^{\circ}$ 8	
Superior conj   13885 Jun   20   00.27   9°20875   2°13'14   3°13'14   3°13'14   3°13'14   3°13'14   3°13'14   3°13'14   3°10'14   3°10'14   3°10'15   3°11'14   3°10'15   3°10'15   3°11'14   3°10'15   3°1	max. Earth dist.	13585 Jun 16 15:16	3° <b>5</b> 48'34	1.45286 AU	desc. node	13586 May 07 15:00	12° <b>8</b> 31'14	
Superior conj   13885 Jun   20   00.27   9°20875   2°13'14   3°13'14   3°13'14   3°13'14   3°13'14   3°13'14   3°13'14   3°10'14   3°10'14   3°10'15   3°11'14   3°10'15   3°10'15   3°11'14   3°10'15   3°1					morning set	13586 May 14 11:35	23° <b>8</b> 17'54	
minimum elong   13885 Jun 20 01:59   9°814'59   2°14'15   3886 Jun 30 09:17   18°114'00   2°06'52   2°13'15   2°13'15'15'   2°10'7	superior coni	13585 Jun 20 00:27	9° <b>©</b> 08'53	-2°13'14	Č	13586 May 18 17:43		
Sevening rise   13885 Jul   02   22:20   0°\$\alpha   14:49   2°\$\alpha 34:12   minimum elong   13886 May 30 09:17   18°\$\alpha 14'00   2°06'52   asc. node   13885 Jul   14   1541   19°\$\alpha 082'   max. Earth dist.   13866 May 30 09:17   18°\$\alpha 19'20   34:833 AU   13585 Jul   14   1541   19°\$\alpha 082'   max. Earth dist.   13866 Jul   06 21:55   0°\$\alpha   0°\$\alpha 092'   188' 19'33   14:833 AU   19'\$\alpha 082'   19'\$\alpha 092'   18'\$\alpha 092'						.,		
evening rise         13585 Jul 1 4 11:49   19°A 08°L 1         minimum elong         13586 May 30 03:13   10°E 00°L 1         10°E 00°D 3         20°D 3         40°D 3<	8				superior coni	13586 May 30, 09:17	18°∏14'00	-2°06'52
Sase node   13585 Jul	avaning risa					•		
evening max el 13585 Jul 22 12:26 0°N evening max el 13585 Jul 23 11:54 1°N 01'14 18°16'47 evening rise 13586 Jul 10 21:55 0.0°E   evening max el 13585 Jul 29 20:38 4°N 23'38 4°N 23'38 18°16'14 18°16'47 evening rise 13586 Jul 10 21:55 0.0°E   evening set 13585 Aug 01 19:48 3°N 36'01   13585 Aug 01 19:48 28°N 30'38 29'22'36 evening max el 13586 Jul 10 12:31 8°N 30'31   13585 Aug 01 19:48 28°N 30'43 29'22'36 evening max el 13586 Jul 10 12:31 8°N 30'31   13585 Aug 10 10:348 28°N 30'43 29'22'36 evening max el 13586 Jul 10 12:31 8°N 30'31   13585 Aug 10 10:348 28°N 30'43 29'21'21 retrograde 13586 Jul 10 13:15:07 18°N 31'32   13585 Aug 10 10:348 21°N 35'108   13585 Aug 10 10:349 21°N 35'108   13	•				C			
evening max el         13585 Jul         23         1:50         1.9% 0114         18°1647         evening rise         13586 Jul         23         20:38         4** 19:2358         greatest brilliancy         13586 Jul         23         20:38         4** 19:2358         greatest brilliancy         13586 Jul         20         26** 26** 24** 30         0.8%           evening set         13585 Aug         10         19:48         3** 36'01         asc. node         13586 Jul         06         20:38         14° 40425         18** 40'53*           inferior conj         13585 Aug         07         20:31         28** 20'245         evening max el         13586 Jul         06         23:38         14° 40425         18** 47*55           mini Earth dist.         13585 Aug         10         20** 20** 21'21         retrograde         13585 Jul         16         23         18** 47*55         18** 47*55         18** 42** 42** 22** 22** 12**         retrograde         13585 Jul         16         20** 20** 12** 30         0.64219 AU         evening max el         13585 Aug         10         30** 20** 12** 12** 12** 12** 12** 12** 1	asc. node				max. Earm dist.	•		1.43633 AU
Petrograde   13585 Jul 29 20.38   4°m/23'58   greatest brilliancy   13586 Jun 23 21:50   26°24'900   0.8m     Petrograde   13585 Aug 01 19:48   3°m/36'01   3386 Jun 26 00.18   0°Ω   0°Ω     13585 Aug 06 02:43   30°π				10017147				
evening set   13585 Aug 01 19:48   3*\particle 300 \rangle 300 \	•		-	18°16'4/	•			
13585 Aug 06 02:43   30°kΩ   evening max el   13586 Jul 01 12:31   8°Ω0'31   18°47'55	-		-		greatest brilliancy			-0.8m
inferior conj         13585 Aug 07         18:06         28°Q0943         2°2236         evening max el         13586 Jul 06         23:38         14°Q43′25         18°4755           minin minum elong         13585 Aug 10         03:48         2°21′21         retrograde         13586 Jul 13         15:07         18°Q21′23         18°A21°21           morning rise         13585 Aug 13         19:45         25°Q24′37         0.64219 AU         evening set         13586 Jul 2         21:248         11°Q30'03         2°52′18           desc. node         13585 Aug 20         10:09         19°Q15′10         minimum elong         13586 Jul 2         21 4:34         11°Q30'03         2°52′19           morning max el         13585 Sep 20         03:05         27°Q14′24         27°32′46         minimum elong         13586 Jul 2         20:07         9°Q10′24         2°0°32′46         minimum elong         13586 Jul 2         20:07         9°Q10′24         2°0°32′26         10°0°0         10°0°0         10°0°0         10°0°0         10°0°0         10°0°0         10°0°0         10°0°0         10°0°0         10°0°0         10°0         10°0         10°0         10°0         10°0         10°0         10°0         10°0         10°0         10°0         10°0         10°0	evening set	•	-			13586 Jun 26 00:18		
minimum elong		13585 Aug 06 02:43	$30^{\circ}$ R $\Omega$		asc. node		8° <b>Ω</b> 05'31	
min. Earth dist.	inferior conj	13585 Aug 07 18:06			evening max el	13586 Jul 06 23:38	14° <b>Ω</b> 43'25	18°47'55
morning rise   13585 Aug 13 19:45   21°Q51'08   inferior conj   13586 Jul 22 12:48   11°Q36'05 2°53'28   desc. node   13585 Aug 16 16:30 2°Q04'1   minimum elong   13586 Jul 22 14:34   11°Q36'05 2°52'19   direct   13585 Sep 10 10:09 1°PQ15'1   minimum elong   13586 Jul 24 08:07 9°Q02'048 0.66036 AU morning max el   13585 Sep 03 03:54 27°Q14'24 2°3'32'46   morning rise   13586 Aug 03 12:54 2°Q32'04   7°Q16'14'14 2°3'32'46   morning max el   13586 Aug 03 12:54 2°Q32'04   7°Q16'14'14 2°3'32'46   morning max el   13586 Aug 03 12:54 2°Q32'05   7°Q16'14'14 2°3'32'46   morning set   13586 Aug 03 12:54 2°Q32'05   7°Q16'14'14 2°3'32'46   morning max el   13586 Aug 03 12:54 2°Q32'05   7°Q16'14'14 2°3'32'46   morning set   13586 Aug 03 13:58 2°Q32'05   7°Q16'14'14 2°3'32'46   morning max el   13586 Aug 16 15:09 10°Q17'59 26°3'743   8sc. node   13585 Oct 10 17:36 25°Q45'09   13586 Sep 10 105:16 0°Q 10°Q17'59 26°3'743   8sc. node   13585 Oct 12 19:00 0°Q 10°Q17'59   13586 Sep 10 10:00 0°Q 10	minimum elong	13585 Aug 07 20:31	28° <b>Ω</b> 02'45	2°21'21	retrograde	13586 Jul 13 15:07	18° <b>Ω</b> 21′23	
direct   13585 Aug 16 16:30   20°Q04'11   minimum elong   13586 Jul   22 14:34   11°Q30'33   2°52'19     direct   13585 Aug 20 10:09   19°Q15'10   min. Earth dist.   13586 Jul   24 08:07   9°Q20'48   0.66036 AU     morning max el   13585 Sep 03 03:54   27°Q14'24   27°32'46   morning rise   13586 Aug 03 12:54   2°Q32'04     13585 Sep 05 18:23   0°Q   direct   13586 Aug 03 12:54   2°Q32'04     13585 Sep 05 18:23   0°Q   desc. node   13586 Aug 03 12:54   2°Q32'04     13585 Sep 05 18:23   0°Q   desc. node   13586 Aug 16 15:09   10°Q17'59   26°37'43     asc. node   13585 Oct 10 17:36   25°Q45'09   morning max el   13586 Sep 10 10:16   0°Q     max. Earth dist.   13585 Oct 12 19:00   0°M   13586 Sep 11 10:00   0°Q     max. Earth dist.   13585 Oct 12 23:37   0°M24'05   1.32748 AU   morning set   13586 Sep 12 11:24   3°Q50'46     minimum elong   13585 Oct 16 06:11   7°M21'02   0°51'129     evening rise   13585 Oct 26 20:08   0°Q   2°11'29     evening max el   13585 Oct 26 20:08   0°Q   2°11'37'37   superior conj   13586 Oct 26 20:08   0°Q   2°11'37'37     desc. node   13585 Oct 26 20:08   0°Q   2°11'37'37   superior conj   13586 Oct 27 06:04   0°Q   0°25'36     desc. node   13585 Nov 12 12:46   20°Q   0°15'129   superior conj   13586 Oct 28 20:04   0°Q   0°Q   0°25'36     desc. node   13585 Nov 12 12:46   20°Q   0°15'129   superior conj   13586 Oct 29 20:04   0°Q   0°Q   0°Q   0°Q   0°Q     desc. node   13586 Oct 20 07:04   0°Q	min. Earth dist.	13585 Aug 10 03:48	25° <b>Ω</b> 24'37	0.64219 AU	evening set	13586 Jul 16 23:05	17° <b>Ω</b> 17'35	
direct   13585 Aug 16 16:30   20°Q04'11   minimum elong   13586 Jul   22 14:34   11°Q30'33   2°52'19     direct   13585 Aug 20 10:09   19°Q15'10   min. Earth dist.   13586 Jul   24 08:07   9°Q20'48   0.66036 AU     morning max el   13585 Sep 03 03:54   27°Q14'24   27°32'46   morning rise   13586 Aug 03 12:54   2°Q32'04     13585 Sep 05 18:23   0°Q   direct   13586 Aug 03 12:54   2°Q32'04     13585 Sep 05 18:23   0°Q   desc. node   13586 Aug 03 12:54   2°Q32'04     13585 Sep 05 18:23   0°Q   desc. node   13586 Aug 16 15:09   10°Q17'59   26°37'43     asc. node   13585 Oct 10 17:36   25°Q45'09   morning max el   13586 Sep 10 10:16   0°Q     max. Earth dist.   13585 Oct 12 19:00   0°M   13586 Sep 11 10:00   0°Q     max. Earth dist.   13585 Oct 12 23:37   0°M24'05   1.32748 AU   morning set   13586 Sep 12 11:24   3°Q50'46     minimum elong   13585 Oct 16 06:11   7°M21'02   0°51'129     evening rise   13585 Oct 26 20:08   0°Q   2°11'29     evening max el   13585 Oct 26 20:08   0°Q   2°11'37'37   superior conj   13586 Oct 26 20:08   0°Q   2°11'37'37     desc. node   13585 Oct 26 20:08   0°Q   2°11'37'37   superior conj   13586 Oct 27 06:04   0°Q   0°25'36     desc. node   13585 Nov 12 12:46   20°Q   0°15'129   superior conj   13586 Oct 28 20:04   0°Q   0°Q   0°25'36     desc. node   13585 Nov 12 12:46   20°Q   0°15'129   superior conj   13586 Oct 29 20:04   0°Q   0°Q   0°Q   0°Q   0°Q     desc. node   13586 Oct 20 07:04   0°Q	morning rise	13585 Aug 13 19:45	21° <b>Ω</b> 51′08		inferior conj	13586 Jul 22 12:48	11° <b>Ω</b> 36′05	2°53'28
direct         13585 Aug 20 10:09         19°Ω15'10         min. Earth dist.         13586 Jul 24 08:07         9°Ω20'48         0.66036 AU           morning max el         13585 Sep 03 03:54         27°Ω14'24         27°32'46         morning rise         13586 Aug 03 12:54         2°Ω32'04         2°Ω32'04           13585 Sep 26 21:34         0° Φ         desc. node         13586 Aug 03 12:54         2°Ω32'05         2°Ω32'05           morning set         13585 Oct 08 07:00         20° Φ50'51         morning max el         13586 Aug 16 15:09         10°Ω1'59         26°37'43           asc. node         13585 Oct 10 17:36         25° Ф45'09         morning max el         13586 Sep 01 05:16         0° №         13586 Sep 19 10:00         0° №         26°37'43           max. Earth dist.         13585 Oct 12 19:00         0° №         1.32748 AU         morning set         13586 Sep 01 05:16         0° №         1.3249 AU         13586 Sep 19 10:00         0° №         1.32499 AU         1.3249 AU         1.3248 AU         13586 Sep 19 10:00         0° №         1.32499 AU         1.3249 AU         1.3248 AU <td>desc. node</td> <td>13585 Aug 16 16:30</td> <td>20°<b>Ω</b>04'11</td> <td></td> <td></td> <td>13586 Jul 22 14:34</td> <td>11°<b>Ω</b>30'33</td> <td>2°52'19</td>	desc. node	13585 Aug 16 16:30	20° <b>Ω</b> 04'11			13586 Jul 22 14:34	11° <b>Ω</b> 30'33	2°52'19
morning max el	direct	=			min. Earth dist.		9° <b>Ω</b> 20'48	0.66036 AU
13585 Sep 05 18:23   0°版   direct   13586 Aug 03 12:54   2°\\ 20232'04   desc. node   13586 Aug 03 13:58   2°\\ 2023'205   desc. node   13586 Aug 16 15:09   10°\\ 17:59   26°\ 37'43   desc. node   13586 Sep 10 105:16   0°\\ 13585 Oct 10 17:36   25°\ 245'09   desc. node   13586 Sep 10 105:16   0°\\ 13586 Sep 10 105:16   0°\\ 13585 Oct 12 19:00   0°\\ 13585 Oct 12 23:37   0°\\ 124'05   1.32748 AU   morning set   13586 Sep 25 12:12   11°\\ 23'\\ 25'\ 50'\ 45'09   desc. node   13586 Sep 25 12:12   11°\\ 23'\\ 25'\ 50'\ 45'09   desc. node   13586 Sep 25 12:12   11°\\ 23'\\ 25'\ 50'\ 45'09   desc. node   13586 Sep 25 12:12   11°\\ 23'\\ 25'\ 50'\ 45'09   desc. node   13586 Sep 25 12:12   11°\\ 23'\\ 25'\ 50'\ 45'\ 45'\ 45'\ 45'\ 45'\ 45'\ 45'\ 45		-		27°32'46				
Morning set   13585 Sep   26   21:34   0° \( \text{\		1		_,,	•			
morning set		=				•		
asc. node 13585 Oct 10 17:36 25°年45'09 13586 Sep 01 05:16 0°取 13586 Sep 01 05:16 0°取 13585 Oct 12 19:00 0°肌 13586 Sep 19 10:00 0°鱼 13586 Sep 19 10:00 0°豆 13586 Sep 19 10:00 0°鱼 13586 Sep 19 10:00 0°豆 1358	marning gat	•				•		26927142
Max. Earth dist.   13585 Oct 12 19:00   0°肌   13586 Sep 19 10:00   0°鱼   13585 Oct 12 23:37   0°肌24'05   1.32748 AU   morning set   13586 Sep 21 11:24   3°鱼50'46   max. Earth dist.   13586 Sep 25 12:12   11°鱼39'55   1.34299 AU   superior conj   13585 Oct 16 08:20   7°肌32'33   0°51'18   asc. node   13586 Sep 27 14:11   15°鱼50'44   vening rise   13585 Oct 23 07:40   22°肌37'37   superior conj   13586 Sep 30 07:45   21°鱼20'39   0°25'36   asc. node   13585 Oct 26 20:08   0°៧   vening max el   13585 Nov 12 12:46   26°水53'47   superior conj   13586 Oct 04 09:14   0°肌   evening max el   13585 Nov 15 14:49   0°%   22°N3'37'37   evening max el   13585 Nov 27 16:00   5°♂31'34   evening max el   13585 Dec 01 14:18   4°♂57'58   desc. node   13585 Nov 08 03:15   15°№08'05   inferior conj   13585 Dec 10 01:10   0°♂59'14   -5°57'06   evening set   13586 Nov 19 16:41   10°№58'16   -5°24'42   evening minimum elong   13585 Nov 19 16:41   10°№58'16   -5°24'42   evening minimum elong   13585 Nov 19 16:41   10°№58'16   -5°24'42   evening minimum elong   13585 Dec 10 00:47   0°℃59'14   -5°57'06   evening set   13586 Nov 19 16:41   10°№58'16   -5°24'42   evening minimum elong   13585 Nov 19 16:41   10°№58'16   -5°24'42   evening minimum elong   13585 Nov 19 16:41   10°№58'16   -5°24'42   evening minimum elong   13585 Nov 19 16:41   10°№58'16   -5°24'42   evening minimum elong   13585 Nov 19 16:41   10°№58'16   -5°24'42   evening minimum elong   13585 Nov 19 16:41   10°№58'16   -5°24'42   evening minimum elong   13585 Nov 19 16:41   10°№58'16   -5°24'42   evening minimum elong   13585 Nov 19 16:41   10°№58'16   -5°24'42   evening minimum elong   13585 Nov 19 16:41   10°№58'16   -5°24'42   evening minimum elong   13585 Nov 19 16:41   10°№58'16   -5°24'42   evening minimum elong   13585 Nov 19 16:41   10°№58'16   -5°24'42   evening minimum elong   13585 Nov 19 16:41   10°№58'16   -5°24'42   evening minimum elong   13585 Nov 19 16:41   10°№58'16   -5°24'42   evening minimum elong   13585 Nov 19 16:41   10°№58'16   -5°24'42   evening mi	•				morning max er	-		20 37 43
max. Earth dist. 13585 Oct 12 23:37 0°	asc. node					-		
max. Earth dist. 13586 Sep 25 12:12 11°至39'55 1.34299 AU superior conj 13585 Oct 16 08:20 7° ll.32'33 0°51'18 asc. node 13586 Sep 27 14:11 15°至50'44 minimum elong 13585 Oct 16 06:11 7° ll.21'02 0°51'29 evening rise 13585 Oct 26 20:08 0° 元 superior conj 13586 Sep 30 07:45 21°至27'36 0°25'36 desc. node 13585 Nov 12 12:46 26° 元53'47 minimum elong 13586 Oct 04 09:14 0° ll. evening max el 13585 Nov 15 14:49 0° 元 13586 Oct 19 23:23 0° 元 retrograde 13585 Nov 27 16:00 5° 元31'34 evening max el 13586 Oct 30 10:06 11° 元57'29 min. Earth dist. 13585 Dec 01 14:18 4° 元57'58 desc. node 13586 Nov 08 03:15 15° 元08'05 inferior conj 13585 Dec 10 01:10 0° 元59'14 -5° 57'06 evening set 13586 Nov 19 16:41 10° 元58'16 -5° 24'42						=		
superior conj 13585 Oct 16 08:20 7° 11-32'33 0° 51'18 asc. node 13586 Sep 27 14:11 15° \(\to\old{\Omega}\)50'44 minimum elong 13585 Oct 16 06:11 7° 11-21'02 0° 51'29  evening rise 13585 Oct 23 07:40 22° 11-37'37 superior conj 13586 Sep 30 07:45 21° \(\to\old{\Omega}\)27'36 0° 25'36 minimum elong 13586 Sep 30 07:45 21° \(\to\old{\Omega}\)27'36 0° 25'38 desc. node 13585 Nov 12 12:46 26° \(\tilde\old{\Omega}\)53'47 evening max el 13585 Nov 14 14:01 29° \(\tilde\old{\Omega}\)0'157 22° 48'53 evening rise 13586 Oct 04 09:14 0° 11-22 7° 11-03'07 13585 Nov 15 14:49 0° \(\tilde\old{\Omega}\)53'58 Nov 15 14:49 0° \(\tilde\old{\Omega}\)53'58 desc. node 13586 Oct 19 23:23 0° \(\tilde\old{\Omega}\)7 retrograde 13585 Nov 27 16:00 5° \(\tilde\old{\Omega}\)31'34 evening max el evening max el 13586 Oct 19 23:23 0° \(\tilde\old{\Omega}\)7 13'149 21° 12'15 evening set 13585 Dec 01 14:18 4° \(\tilde\old{\Omega}\)57'58 desc. node 13586 Oct 30 10:06 11° \(\tilde\old{\Omega}\)57'29 min. Earth dist. 13585 Dec 08 22:41 1° \(\tilde\old{\Omega}\)36'52 0.54869 AU retrograde 13586 Nov 10 18:42 14° \(\tilde\old{\Omega}\)50'80'5 inferior conj 13585 Dec 10 01:10 0° \(\tilde\old{\Omega}\)55'60'2 inferior conj 13586 Nov 19 16:41 10° \(\tilde\old{\Omega}\)50'25'44 -5° 5'24'42	max. Earth dist.	13585 Oct 12 23:37	0°11L24'05	1.32748 AU	•	•		
minimum elong					max. Earth dist.	•		1.34299 AU
evening rise  13585 Oct 23 07:40  22°	superior conj	13585 Oct 16 08:20	7°M32'33	0°51'18	asc. node	13586 Sep 27 14:11	15° <b>≏</b> 50'44	
13585 Oct 26 20:08   0°水   minimum elong   13586 Sep 30 06:25   21°至20'39   0°25'38     desc. node   13585 Nov 12 12:46   26°水53'47   13586 Oct 04 09:14   0°肌     evening max el   13585 Nov 15 14:49   0°舌   13586 Oct 19 23:23   0°水     retrograde   13585 Nov 27 16:00   5°云31'34   evening max el   13586 Oct 19 23:23   0°水     retrograde   13585 Dec 01 14:18   4°云57'58   desc. node   13586 Oct 30 10:06   11°水57'29     min. Earth dist.   13585 Dec 08 22:41   1°云36'52   0.54869 AU   retrograde   13586 Nov 10 18:42   14°水51'44     minimum elong   13585 Dec 10 00:47   0°云59'14   -5°57'06   evening set   13586 Nov 19 16:41   10°水58'16   -5°24'42     minimum elong   13585 Dec 10 00:47   0°云59'46   5°56'02   inferior conj   13586 Nov 19 16:41   10°水58'16   -5°24'42	minimum elong	13585 Oct 16 06:11	7°M21'02	0°51'29				
desc. node 13585 Nov 12 12:46 26°ネ53'47	evening rise	13585 Oct 23 07:40	22°M37'37		superior conj	13586 Sep 30 07:45	21° <b>≏</b> 27'36	0°25'36
desc. node 13585 Nov 12 12:46 26°ネ53'47		13585 Oct 26 20:08	0° <b>∡</b> 7		minimum elong	13586 Sep 30 06:25	21° <b>≏</b> 20'39	0°25'38
evening max el 13585 Nov 14 14:01 29°水01'57 22°48'53 evening rise 13586 Oct 07 17:22 7°1L03'07 retrograde 13585 Nov 27 16:00 5°31'34 evening max el 13586 Oct 27 06:04 9°水13'49 21°12'15 evening set 13585 Dec 01 14:18 4°35'758 desc. node 13586 Oct 30 10:06 11°水57'29 min. Earth dist. 13585 Dec 08 22:41 1°36'52 0.54869 AU retrograde 13586 Nov 08 03:15 15°水08'05 inferior conj 13585 Dec 10 01:10 0°35'9'14 -5°57'06 evening set 13586 Nov 10 18:42 14°水51'14 minimum elong 13585 Dec 10 00:47 0°35'9'46 5°56'02 inferior conj 13586 Nov 19 16:41 10°水58'16 -5°24'42	desc. node	13585 Nov 12 12:46	26° <b>₹</b> 53'47		-	•		
13585 Nov 15 14:49 0°♂ 13586 Oct 19 23:23 0°♂ 15 retrograde 13585 Nov 27 16:00 5°♂31'34 evening max el 13586 Oct 27 06:04 9°♂13'49 21°12'15 evening set 13585 Dec 01 14:18 4°♂57'58 desc. node 13586 Oct 30 10:06 11°♂57'29 min. Earth dist. 13585 Dec 08 22:41 1°♂36'52 0.54869 AU retrograde 13586 Nov 08 03:15 15°♂08'05 inferior conj 13585 Dec 10 01:10 0°♂59'14 -5°57'06 evening set 13586 Nov 10 18:42 14°♂51'44 minimum elong 13585 Dec 10 00:47 0°♂59'46 5°56'02 inferior conj 13586 Nov 19 16:41 10°♂58'16 -5°24'42				22°48'53	evening rise			
retrograde 13585 Nov 27 16:00 5°る31'34 evening max el 13586 Oct 27 06:04 9°ネ13'49 21°12'15 evening set 13585 Dec 01 14:18 4°る57'58 desc. node 13586 Oct 30 10:06 11°ネ57'29 min. Earth dist. 13585 Dec 08 22:41 1°る36'52 0.54869 AU retrograde 13586 Nov 08 03:15 15°ネ08'05 inferior conj 13585 Dec 10 01:10 0°る59'14 -5°57'06 evening set 13586 Nov 10 18:42 14°ネ51'44 minimum elong 13585 Dec 10 00:47 0°る59'46 5°56'02 inferior conj 13586 Nov 19 16:41 10°ネ58'16 -5°24'42	<b>C</b> -				J			
evening set 13585 Dec 01 14:18 4°₹57'58 desc. node 13586 Oct 30 10:06 11°₹57'29 min. Earth dist. 13585 Dec 08 22:41 1°₹36'52 0.54869 AU retrograde 13586 Nov 08 03:15 15°₹08'05 inferior conj 13585 Dec 10 01:10 0°₹59'14 -5°57'06 evening set 13586 Nov 10 18:42 14°₹51'44 minimum elong 13585 Dec 10 00:47 0°₹59'46 5°56'02 inferior conj 13586 Nov 19 16:41 10°₹58'16 -5°24'42	retrograde				evening may el			21°12'15
min. Earth dist. 13585 Dec 08 22:41 1°る36'52 0.54869 AU retrograde 13586 Nov 08 03:15 15°× 208'05 inferior conj 13585 Dec 10 01:10 0°る59'14 -5°57'06 evening set 13586 Nov 10 18:42 14° × 51'44 minimum elong 13585 Dec 10 00:47 0°る59'46 5°56'02 inferior conj 13586 Nov 19 16:41 10° × 58'16 -5°24'42	•				•			<b></b> .
inferior conj 13585 Dec 10 01:10 0°₹59'14 -5°57'06 evening set 13586 Nov 10 18:42 14°₹51'44 minimum elong 13585 Dec 10 00:47 0°₹59'46 5°56'02 inferior conj 13586 Nov 19 16:41 10°₹58'16 -5°24'42	-			0.54860 ATT				
minimum elong 13585 Dec 10 00:47 0°₹59'46 5°56'02 inferior conj 13586 Nov 19 16:41 10°₹758'16 -5°24'42					-			
· · · · · · · · · · · · · · · · · · ·					•			5924142
13585 Dec 11 19:19 30°R×' minimum elong 13586 Nov 19 08:16 11°×'10'09 5°22'12	minimum elong			3-30.02	-			
		13080 Dec 11 19:19	30° <b>₹X'</b>		minimum elong	13380 NOV 19 08:16	11° <b>X</b> °10'09	5~22'12

min. Earth dist.	13586 Nov 20 04:36	10° <b>∡</b> ′41′28	0.54503 AU	desc. node	13587 Oct 17 07:32	24°ML57'05	
morning rise	13586 Nov 27 22:25	7°×707'51	0.54505 AO	retrograde	13587 Oct 17 07:52 13587 Oct 19 17:53	25°M13'48	
direct	13586 Dec 01 22:21	6° <b>₹</b> 33'32		evening set	13587 Oct 19 17:33	25°M03'32	
morning max el	13586 Dec 14 19:04		22°42'43	inferior conj	13587 Oct 30 13:22	21°ML03'03	-3°50'46
asc. node	13586 Dec 24 14:57	25°×709'14	22 42 43	minimum elong	13587 Oct 30 13:22 13587 Oct 30 03:43	21°ML17'51	
asc. node	13586 Dec 27 13:23	0°중		min. Earth dist.	13587 Nov 01 13:01	19°ML50'08	0.55081 AU
morning set	13587 Jan 06 02:36	್ರ 18° <b>ठ</b> 41'11		morning rise	13587 Nov 07 13:15	16°M49'48	0.55001 710
morning set	13587 Jan 11 09:01	0°≈		direct	13587 Nov 12 10:55	15°ML57'01	
	15507 5411 11 05.01	0 / 0 /		morning max el	13587 Nov 26 05:07		24°31'38
superior conj	13587 Jan 13 02:06	3° <b>≈</b> 40'10	1°30'45	morning max or	13587 Dec 02 15:12	0° <b>√</b>	21 31 30
minimum elong	13587 Jan 13 03:46	3°≈49'02	1°31'33	asc. node	13587 Dec 32 13:12 13587 Dec 11 12:01	13° <b>×</b> 732'41	
max. Earth dist.	13587 Jan 16 13:32	10°≈59'10	1.33738 AU	use. Houe	13587 Dec 11 12:01 13587 Dec 19 23:49	0°る	
evening rise	13587 Jan 21 02:50	20°≈09'49	1.55750710	morning set	13587 Dec 21 14:32	3° <b>る</b> 25'36	
desc. node	13587 Jan 26 09:19	0° <b>₩</b> 05'50		morning sec	15507 Dec 21 11.52	3 02330	
dese. Hode	13587 Jan 26 08:02	0° <b>∀</b>		superior conj	13587 Dec 28 09:40	18° <b>る</b> 17'20	1°37'14
	13587 Feb 14 11:39	0° <b>Υ</b>		minimum elong	13587 Dec 28 10:15	18° <b>ろ</b> 20'36	1°38'15
evening max el	13587 Feb 24 19:33	11° <b>Υ</b> '55'58	27°10'00	max. Earth dist.	13587 Dec 30 13:04	22° <b>る</b> 57'10	1.32395 AU
retrograde	13587 Mar 10 06:36	19° <b>Υ</b> 23'32	27 1000	max. Earth dist.	13588 Jan 02 20:35	0° <b>≈</b>	1.52575710
evening set	13587 Mar 16 22:06	16° <b>Υ</b> 51'40		evening rise	13588 Jan 04 19:26	4°≈01'37	
min. Earth dist.	13587 Mar 20 19:54	13° <b>Υ</b> '09'07	0.65263 AU	desc. node	13588 Jan 13 06:02	20°≈08'38	
asc. node	13587 Mar 22 12:00	11° <b>Υ</b> 17'22	0.03203710	dese. Hode	13588 Jan 19 01:43	0° <b>₩</b>	
inferior conj	13587 Mar 23 03:19	10° <b>Υ</b> 34'14	0°12'14	evening max el	13588 Feb 07 07:35	25° <b>₩</b> 08'04	27°32'46
minimum elong	13587 Mar 23 02:59	10° <b>Υ</b> 35'12	0°12'14 0°12'01	evening max er	13588 Feb 13 09:40	25 <b>γ</b> (08 0 <del>4</del>	27 32 40
transit middle	13587 Mar 23 02:59	10° <b>Υ</b> 35'12	0°12'01	retrograde	13588 Feb 21 02:47	2° <b>Υ</b> '34'29	
transit begin	13587 Mar 23 00:59	10° <b>Υ</b> 40'48	0 12 01	evening set	13588 Feb 27 23:35	0° <b>Υ</b> 09'31	
transit end	13587 Mar 23 04:58	10° <b>Y</b> ′29'37		evening set	13588 Feb 28 04:56	30°R <b></b> ₩	
morning rise	13587 Mar 29 09:31	5° <b>Υ</b> 03'58		min. Earth dist.	13588 Mar 02 18:10	26° <b>¥</b> 56'13	0.63385 AU
direct	13587 Apr 01 02:49	4° <b>Υ</b> 24'32		inferior conj	13588 Mar 05 12:31	24° <b>H</b> 09'11	
morning max el	13587 Apr 07 10:56		17°59'23	minimum elong	13588 Mar 05 14:20	24° <b>)</b> (0)11	
morning max ci	13587 Apr 22 19:59	0°8	17 37 23	asc. node	13588 Mar 08 09:30	21° <b>H</b> 24'55	0 33 07
desc. node	13587 Apr 24 11:41	2° <b>8</b> 42'48		morning rise	13588 Mar 12 07:33	18° <b>)</b> 54'06	
morning set	13587 Apr 25 11:26	4° <b>8</b> 20'17		direct	13588 Mar 14 16:47	18° <b>¥</b> 26'34	
morning set	13307 Apr 23 11.20	4 02017		morning max el	13588 Mar 21 04:41	21° <b>)</b> 46'02	17°46'42
superior conj	13587 May 09 20:58	27° <b>8</b> 33'43	-1°41'36	morning max or	13588 Mar 27 13:56	0°Υ	17 10 12
minimum elong	13587 May 09 20:38	26° <b>8</b> 57'41		morning set	13588 Apr 06 13:45	16° <b>Ƴ</b> 38'40	
minimum ciong	13587 May 11 10:04	0°II	1 4132	desc. node	13588 Apr 10 08:15	23°\bar{0}6'36	
max. Earth dist.	13587 May 13 06:45	2° <b>I</b> 55'27	1.45625 AU	dese. Hode	13588 Apr 14 09:59	0°8	
evening rise	13587 May 25 22:47	22° <b>I</b> 34'09	1.43023710		13300 Apr 14 07.37	v O	
evening rise	13587 May 30 19:04	0°95		superior conj	13588 Apr 19 02:36	7° <b>8</b> 46'25	-1°04'37
greatest brilliancy	13587 Jun 08 13:48	13°9513'58	-0.7m	minimum elong	13588 Apr 18 20:06	7° <b>8</b> 19'49	
asc. node	13587 Jun 18 09:27	26°929'05	0.7111	max. Earth dist.	13588 Apr 25 01:01	17° <b>8</b> 20'45	1.44702 AU
evening max el	13587 Jun 20 06:40	28°930'37	10°35'38	max. Earth dist.			1.44702710
evening max er	13587 Jun 21 21:20	20 3031			13588 May 03 03:08	о∘π	
retrograde		$\Omega$ $\circ$ $\Omega$	17 33 30	evening rise	13588 May 03 03:08	0°Ⅱ 1°Ⅲ57'58	
renograde		0°Ω 2°Ω36'13	17 33 30	evening rise	13588 May 04 09:49	1° <b>Ⅱ</b> 57'58	
evening set	13587 Jun 27 13:03	2° <b>Ω</b> 36′13	17 33 30	-	13588 May 04 09:49 13588 May 23 09:14	1° <b>Ⅱ</b> 57'58 0°©	20°37'57
evening set	13587 Jun 27 13:03 13587 Jul 01 06:20	2° <b>Ω</b> 36'13 1° <b>Ω</b> 15'45	17 30 30	evening max el	13588 May 04 09:49 13588 May 23 09:14 13588 Jun 02 07:57	1° <b>II</b> 57'58 0°© 12°©19'20	20°37'57
-	13587 Jun 27 13:03 13587 Jul 01 06:20 13587 Jul 02 17:51	2° <b>Ω</b> 36'13 1° <b>Ω</b> 15'45 30° <b>R</b> ©		evening max el asc. node	13588 May 04 09:49 13588 May 23 09:14 13588 Jun 02 07:57 13588 Jun 04 06:31	1°∏57'58 0°© 12°©19'20 14°©07'18	20°37'57
inferior conj	13587 Jun 27 13:03 13587 Jul 01 06:20 13587 Jul 02 17:51 13587 Jul 06 14:49	2°A36'13 1°A15'45 30°RS 25°S20'41	3°09'06	evening max el asc. node retrograde	13588 May 04 09:49 13588 May 23 09:14 13588 Jun 02 07:57 13588 Jun 04 06:31 13588 Jun 10 11:59	1°II57'58 0°© 12°©19'20 14°©07'18 17°©02'15	20°37'57
inferior conj minimum elong	13587 Jun 27 13:03 13587 Jul 01 06:20 13587 Jul 02 17:51 13587 Jul 06 14:49 13587 Jul 06 15:36	2° N 36'13 1° N 15'45 30° R 5 25° 520'41 25° 518'04	3°09'06 3°08'04	evening max el asc. node retrograde evening set	13588 May 04 09:49 13588 May 23 09:14 13588 Jun 02 07:57 13588 Jun 04 06:31 13588 Jun 10 11:59 13588 Jun 14 15:19	1°II.57'58 0°© 12°©19'20 14°©07'18 17°©02'15 15°©25'02	
inferior conj minimum elong min. Earth dist.	13587 Jun 27 13:03 13587 Jul 01 06:20 13587 Jul 02 17:51 13587 Jul 06 14:49 13587 Jul 06 15:36 13587 Jul 07 19:43	2° N 36'13 1° N 15'45 30° R 5 25° 520'41 25° 518'04 23° 544'39	3°09'06	evening max el asc. node retrograde evening set inferior conj	13588 May 04 09:49 13588 May 23 09:14 13588 Jun 02 07:57 13588 Jun 04 06:31 13588 Jun 10 11:59 13588 Jun 14 15:19 13588 Jun 19 21:29	1°II.57'58 0°I 12°I9'20 14°I9'7'18 17°I9'2'15 15°I2'5'02 9°I7'53	3°11'58
inferior conj minimum elong min. Earth dist. morning rise	13587 Jun 27 13:03 13587 Jul 01 06:20 13587 Jul 02 17:51 13587 Jul 06 14:49 13587 Jul 06 15:36 13587 Jul 07 19:43 13587 Jul 12 00:25	2° N 36'13 1° N 15'45 30° RS 25° S 20'41 25° S 18'04 23° S 44'39 18° S 56'48	3°09'06 3°08'04	evening max el asc. node retrograde evening set inferior conj minimum elong	13588 May 04 09:49 13588 May 23 09:14 13588 Jun 02 07:57 13588 Jun 04 06:31 13588 Jun 10 11:59 13588 Jun 14 15:19 13588 Jun 19 21:29 13588 Jun 19 21:14	1°II.57'58 0°I 12°I9'20 14°I9'718 17°I92'15 15°I25'02 9°I7'53 9°I8'43	3°11'58 3°10'55
inferior conj minimum elong min. Earth dist. morning rise direct	13587 Jun 27 13:03 13587 Jul 01 06:20 13587 Jul 02 17:51 13587 Jul 06 14:49 13587 Jul 06 15:36 13587 Jul 07 19:43 13587 Jul 12 00:25 13587 Jul 17 22:12	2° N36'13 1° N15'45 30° RS 25° S20'41 25° S18'04 23° S44'39 18° S56'48 16° S21'30	3°09'06 3°08'04	evening max el asc. node retrograde evening set inferior conj minimum elong min. Earth dist.	13588 May 04 09:49 13588 May 23 09:14 13588 Jun 02 07:57 13588 Jun 04 06:31 13588 Jun 10 11:59 13588 Jun 14 15:19 13588 Jun 19 21:29 13588 Jun 19 21:14 13588 Jun 20 12:31	1°II57'58 0°© 12°©19'20 14°©07'18 17°©02'15 15°©25'02 9°©17'53 9°©18'43 8°©26'03	3°11'58
inferior conj minimum elong min. Earth dist. morning rise direct desc. node	13587 Jun 27 13:03 13587 Jul 01 06:20 13587 Jul 02 17:51 13587 Jul 06 14:49 13587 Jul 06 15:36 13587 Jul 07 19:43 13587 Jul 12 00:25 13587 Jul 17 22:12 13587 Jul 21 11:21	2° \Omega 36'13 1° \Omega 15'45 30° \RS 25° \Sigma 20'41 25° \Sigma 18'04 23° \Sigma 44'39 18° \Sigma 56'48 16° \Sigma 21'30 17° \Sigma 08'13	3°09'06 3°08'04 0.67443 AU	evening max el asc. node retrograde evening set inferior conj minimum elong min. Earth dist. morning rise	13588 May 04 09:49 13588 May 23 09:14 13588 Jun 02 07:57 13588 Jun 04 06:31 13588 Jun 10 11:59 13588 Jun 14 15:19 13588 Jun 19 21:29 13588 Jun 19 21:14 13588 Jun 20 12:31 13588 Jun 25 02:52	1°II57'58 0°© 12°©19'20 14°©07'18 17°©02'15 15°©25'02 9°©17'53 9°©18'43 8°©26'03 2°©57'37	3°11'58 3°10'55
inferior conj minimum elong min. Earth dist. morning rise direct	13587 Jun 27 13:03 13587 Jul 01 06:20 13587 Jul 02 17:51 13587 Jul 06 14:49 13587 Jul 06 15:36 13587 Jul 07 19:43 13587 Jul 12 00:25 13587 Jul 17 22:12 13587 Jul 21 11:21 13587 Jul 30 02:02	2° \Omega 36'13 1° \Omega 15'45 30° \RS 25° \Sigma 20'41 25° \Sigma 18'04 23° \Sigma 44'39 18° \Sigma 56'48 16° \Sigma 21'30 17° \Sigma 08'13 23° \Sigma 38'55	3°09'06 3°08'04 0.67443 AU	evening max el asc. node retrograde evening set inferior conj minimum elong min. Earth dist. morning rise direct	13588 May 04 09:49 13588 May 23 09:14 13588 Jun 02 07:57 13588 Jun 04 06:31 13588 Jun 10 11:59 13588 Jun 14 15:19 13588 Jun 19 21:29 13588 Jun 19 21:14 13588 Jun 20 12:31 13588 Jun 25 02:52 13588 Jun 30 12:53	1°II57'58 0°S 12°S19'20 14°S07'18 17°S02'15 15°S25'02 9°S17'53 9°S18'43 8°S26'03 2°S57'37 0°S34'29	3°11'58 3°10'55
inferior conj minimum elong min. Earth dist. morning rise direct desc. node	13587 Jun 27 13:03 13587 Jul 01 06:20 13587 Jul 02 17:51 13587 Jul 06 14:49 13587 Jul 06 15:36 13587 Jul 07 19:43 13587 Jul 12 00:25 13587 Jul 17 22:12 13587 Jul 21 11:21 13587 Jul 30 02:02 13587 Aug 04 17:45	2° \Pi 36'13 1° \Omega 15'45 30° RS 25° S20'41 25° S18'04 23° S44'39 18° S56'48 16° S21'30 17° S08'13 23° S38'55 0° \Omega	3°09'06 3°08'04 0.67443 AU	evening max el asc. node retrograde evening set inferior conj minimum elong min. Earth dist. morning rise direct desc. node	13588 May 04 09:49 13588 May 23 09:14 13588 Jun 02 07:57 13588 Jun 04 06:31 13588 Jun 10 11:59 13588 Jun 14 15:19 13588 Jun 19 21:29 13588 Jun 19 21:14 13588 Jun 20 12:31 13588 Jun 25 02:52 13588 Jun 30 12:53 13588 Jul 07 08:39	1°II57'58 0°S 12°S19'20 14°S07'18 17°S02'15 15°S25'02 9°S17'53 9°S18'43 8°S26'03 2°S57'37 0°S34'29 3°S26'06	3°11'58 3°10'55 0.68400 AU
inferior conj minimum elong min. Earth dist. morning rise direct desc. node morning max el	13587 Jun 27 13:03 13587 Jul 01 06:20 13587 Jul 02 17:51 13587 Jul 06 14:49 13587 Jul 06 15:36 13587 Jul 07 19:43 13587 Jul 12 00:25 13587 Jul 17 22:12 13587 Jul 21 11:21 13587 Jul 30 02:02 13587 Aug 04 17:45 13587 Aug 25 14:06	2° \Pi 36'13 1° \Omega 15'45 30° RS 25° S20'41 25° S18'04 23° S44'39 18° S56'48 16° S21'30 17° S08'13 23° S38'55 0° \Omega 0° Mp	3°09'06 3°08'04 0.67443 AU	evening max el asc. node retrograde evening set inferior conj minimum elong min. Earth dist. morning rise direct	13588 May 04 09:49 13588 May 23 09:14 13588 Jun 02 07:57 13588 Jun 04 06:31 13588 Jun 10 11:59 13588 Jun 14 15:19 13588 Jun 19 21:29 13588 Jun 19 21:14 13588 Jun 20 12:31 13588 Jun 25 02:52 13588 Jun 30 12:53 13588 Jul 07 08:39 13588 Jul 11 12:13	1°II57'58 0°S 12°S19'20 14°S07'18 17°S02'15 15°S25'02 9°S17'53 9°S18'43 8°S26'03 2°S57'37 0°S34'29 3°S26'06 7°S08'23	3°11'58 3°10'55
inferior conj minimum elong min. Earth dist. morning rise direct desc. node morning max el	13587 Jun 27 13:03 13587 Jul 01 06:20 13587 Jul 02 17:51 13587 Jul 06 14:49 13587 Jul 07 19:43 13587 Jul 12 00:25 13587 Jul 17 22:12 13587 Jul 21 11:21 13587 Jul 30 02:02 13587 Aug 04 17:45 13587 Aug 25 14:06 13587 Sep 04 00:42	2° \Omega 36'13 1° \Omega 15'45 30° RS 25° S20'41 25° S18'04 23° S44'39 18° S56'48 16° S21'30 17° S08'13 23° S38'55 0° \Omega 0° M 16° M08'52	3°09'06 3°08'04 0.67443 AU 25°21'33	evening max el asc. node retrograde evening set inferior conj minimum elong min. Earth dist. morning rise direct desc. node morning max el	13588 May 04 09:49 13588 May 23 09:14 13588 Jun 02 07:57 13588 Jun 04 06:31 13588 Jun 10 11:59 13588 Jun 14 15:19 13588 Jun 19 21:29 13588 Jun 19 21:14 13588 Jun 20 12:31 13588 Jun 25 02:52 13588 Jun 30 12:53 13588 Jul 07 08:39 13588 Jul 11 12:13 13588 Jul 29 07:55	1°II57'58 0°S 12°S19'20 14°S07'18 17°S02'15 15°S25'02 9°S17'53 9°S18'43 8°S26'03 2°S57'37 0°S34'29 3°S26'06 7°S08'23 0°\$	3°11'58 3°10'55 0.68400 AU
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inferior conj minimum elong min. Earth dist. morning rise direct desc. node morning max el	13587 Jun 27 13:03 13587 Jul 01 06:20 13587 Jul 02 17:51 13587 Jul 06 14:49 13587 Jul 07 19:43 13587 Jul 12 00:25 13587 Jul 17 22:12 13587 Jul 21 11:21 13587 Jul 30 02:02 13587 Aug 04 17:45 13587 Aug 25 14:06 13587 Sep 04 00:42	2° \Pi 36'13 1° \Pi 15'45 30° RS 25° S20'41 25° S18'04 23° S44'39 18° S56'48 16° S21'30 17° S08'13 23° S38'55 0° \Pi 0° M 16° M 08'52	3°09'06 3°08'04 0.67443 AU 25°21'33	evening max el asc. node retrograde evening set inferior conj minimum elong min. Earth dist. morning rise direct desc. node morning max el morning set	13588 May 04 09:49 13588 May 23 09:14 13588 Jun 02 07:57 13588 Jun 04 06:31 13588 Jun 10 11:59 13588 Jun 14 15:19 13588 Jun 19 21:29 13588 Jun 19 21:14 13588 Jun 20 12:31 13588 Jun 25 02:52 13588 Jun 30 12:53 13588 Jul 07 08:39 13588 Jul 11 12:13 13588 Jul 29 07:55 13588 Aug 15 18:12 13588 Aug 17 04:29	1° \$\Pi 57'58\\ 0° \$\sigma\$ 12° \$\Sigma 19'20\\ 14° \$\Sigma 07'18\\ 17° \$\Sigma 25'02\\ 9° \$\Sigma 17'53\\ 9° \$\Sigma 18'43\\ 8° \$\Sigma 26'03\\ 2° \$\Sigma 34'29\\ 3° \$\Sigma 26'06\\ 7° \$\Sigma 8'23\\ 0° \$\Omega\$ 27° \$\Omega 32'47\\ 0° \$\mathrm{m}\end{a}	3°11'58 3°10'55 0.68400 AU 23°53'58
inferior conj minimum elong min. Earth dist. morning rise direct desc. node morning max el morning set max. Earth dist.	13587 Jun 27 13:03 13587 Jul 01 06:20 13587 Jul 02 17:51 13587 Jul 06 14:49 13587 Jul 07 19:43 13587 Jul 12 00:25 13587 Jul 17 22:12 13587 Jul 21 11:21 13587 Jul 30 02:02 13587 Aug 04 17:45 13587 Aug 04 17:45 13587 Sep 04 00:42 13587 Sep 07 15:09 13587 Sep 11 10:12	2° \$\Omega 36'13 1° \$\Omega 15'45 30° \$\RS\$ 25° \$\Sigma 20'41 25° \$\Sigma 18'04 23° \$\Sigma 44'39 18° \$\Sigma 56'48 16° \$\Sigma 21'30 17° \$\Sigma 08'13 23° \$\Sigma 8'55 0° \$\Omega\$ 0° \$\mathrm{m}\$ 16° \$\mathrm{m}\$ 08'52 22° \$\mathrm{m}\$ 45'28 0° \$\Omega\$	3°09'06 3°08'04 0.67443 AU 25°21'33	evening max el asc. node retrograde evening set inferior conj minimum elong min. Earth dist. morning rise direct desc. node morning max el	13588 May 04 09:49 13588 May 23 09:14 13588 Jun 02 07:57 13588 Jun 04 06:31 13588 Jun 10 11:59 13588 Jun 14 15:19 13588 Jun 19 21:29 13588 Jun 19 21:14 13588 Jun 20 12:31 13588 Jun 25 02:52 13588 Jun 30 12:53 13588 Jul 07 08:39 13588 Jul 11 12:13 13588 Jul 29 07:55 13588 Aug 15 18:12	1°II57'58 0°S 12°S19'20 14°S07'18 17°S02'15 15°S25'02 9°S17'53 9°S18'43 8°S26'03 2°S57'37 0°S34'29 3°S26'06 7°S08'23 0°Ω 27°Ω32'47	3°11'58 3°10'55 0.68400 AU
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inferior conj minimum elong min. Earth dist. morning rise direct desc. node morning max el morning set max. Earth dist.	13587 Jun 27 13:03 13587 Jul 01 06:20 13587 Jul 02 17:51 13587 Jul 06 14:49 13587 Jul 06 15:36 13587 Jul 07 19:43 13587 Jul 12 00:25 13587 Jul 17 22:12 13587 Jul 21 11:21 13587 Jul 30 02:02 13587 Aug 04 17:45 13587 Sep 04 00:42 13587 Sep 04 00:42 13587 Sep 11 10:12 13587 Sep 11 10:12	2°\Delta36'13 1°\Delta15'45 30°\Sigma 25°\Sigma20'41 25°\Sigma20'41 25°\Sigma21'30 18°\Sigma56'48 16°\Sigma21'30 17°\Sigma8'55 0°\Delta 0°\mathred{m} 16°\mathred{m}08'52 22°\mathred{m}45'28 0°\Lambda 4°\Lambda54'42 4°\Lambda56'15	3°09'06 3°08'04 0.67443 AU 25°21'33 1.36301 AU	evening max el asc. node retrograde evening set inferior conj minimum elong min. Earth dist. morning rise direct desc. node morning max el morning set max. Earth dist. superior conj	13588 May 04 09:49 13588 May 23 09:14 13588 Jun 02 07:57 13588 Jun 04 06:31 13588 Jun 10 11:59 13588 Jun 14 15:19 13588 Jun 19 21:29 13588 Jun 19 21:14 13588 Jun 20 12:31 13588 Jun 25 02:52 13588 Jun 30 12:53 13588 Jul 07 08:39 13588 Jul 11 12:13 13588 Jul 29 07:55 13588 Aug 15 18:12 13588 Aug 17 04:29 13588 Aug 19 12:45	1° \$\Pi\$57'58 0° \$\sigma\$ 12° \$\sigma\$19'20 14° \$\sigma\$07'18 17° \$\sigma\$25'02 9° \$\sigma\$17'53 9° \$\sigma\$18'43 8° \$\sigma\$26'03 2° \$\sigma\$57'37 0° \$\sigma\$34'29 3° \$\sigma\$26'06 7° \$\sigma\$8'23 0° \$\Omega\$ 27° \$\Omega\$32'47 0° \$\mathrm{m}\$4" \$\mathrm{m}\$05'59	3°11'58 3°10'55 0.68400 AU 23°53'58 1.38601 AU -0°39'01
inferior conj minimum elong min. Earth dist. morning rise direct desc. node morning max el  morning set max. Earth dist.  superior conj minimum elong behind sun begin	13587 Jun 27 13:03 13587 Jul 01 06:20 13587 Jul 02 17:51 13587 Jul 06 14:49 13587 Jul 06 15:36 13587 Jul 07 19:43 13587 Jul 17 22:12 13587 Jul 17 22:12 13587 Jul 21 11:21 13587 Jul 30 02:02 13587 Aug 04 17:45 13587 Sep 04 00:42 13587 Sep 04 00:42 13587 Sep 11 10:12 13587 Sep 13 22:05 13587 Sep 13 22:23 13587 Sep 13 16:18	2°\Delta36'13 1°\Delta15'45 30°\RS 25°\Signormation 23'\Signormation 24'39 18°\Signormation 56'48 16°\Signormation 21'30 17°\Signormation 8'13 23°\Signormation 38'55 0°\Delta 0°\mathridge 16°\mathridge 08'52 22°\mathridge 45'28 0°\Lefta 4°\Lefta 56'15 4°\Lefta 56'15 4°\Lefta 25'58	3°09'06 3°08'04 0.67443 AU 25°21'33 1.36301 AU	evening max el asc. node retrograde evening set inferior conj minimum elong min. Earth dist. morning rise direct desc. node morning max el morning set max. Earth dist. superior conj minimum elong	13588 May 04 09:49 13588 May 23 09:14 13588 Jun 02 07:57 13588 Jun 04 06:31 13588 Jun 10 11:59 13588 Jun 14 15:19 13588 Jun 19 21:29 13588 Jun 19 21:14 13588 Jun 20 12:31 13588 Jun 25 02:52 13588 Jun 30 12:53 13588 Jul 07 08:39 13588 Jul 11 12:13 13588 Jul 11 12:13 13588 Jul 29 07:55 13588 Aug 17 04:29 13588 Aug 17 04:29 13588 Aug 19 12:45	1° \$\mathbb{T}\$5758 0° \$\text{9}\$ 12° \$\text{9}\$19'20 14° \$\text{9}\$07'18 17° \$\text{9}\$02'15 15° \$\text{9}\$25'02 9° \$\text{9}\$17'53 9° \$\text{9}\$18'43 8° \$\text{9}\$26'03 2° \$\text{9}\$57'37 0° \$\text{9}\$34'29 3° \$\text{9}\$26'06 7° \$\text{9}\$08'23 0° \$\text{0}\$ 27° \$\text{0}\$32'47 0° \$\text{m}\$ 4° \$\text{m}\$05'59  17° \$\text{m}\$44'35 17° \$\text{m}\$44'35	3°11'58 3°10'55 0.68400 AU 23°53'58 1.38601 AU -0°39'01
inferior conj minimum elong min. Earth dist. morning rise direct desc. node morning max el  morning set max. Earth dist.  superior conj minimum elong behind sun begin behind sun end	13587 Jun 27 13:03 13587 Jul 01 06:20 13587 Jul 02 17:51 13587 Jul 06 14:49 13587 Jul 06 15:36 13587 Jul 07 19:43 13587 Jul 17 22:12 13587 Jul 17 22:12 13587 Jul 21 11:21 13587 Jul 30 02:02 13587 Aug 04 17:45 13587 Sep 04 00:42 13587 Sep 04 00:42 13587 Sep 11 10:12 13587 Sep 13 22:05 13587 Sep 13 22:23 13587 Sep 13 16:18 13587 Sep 14 04:29	2° \Omega 36'13 1° \Omega 15'45 30° RS 25° S20'41 25° S18'04 23° S44'39 18° S56'48 16° S21'30 17° S08'13 23° S38'55 0° \Omega 0° m 16° m08'52 22° m45'28 0° \Omega 4° \Omega 54'42 4° \Omega 56'15 4° \Omega 25'58 5° \Omega 26'35	3°09'06 3°08'04 0.67443 AU 25°21'33 1.36301 AU	evening max el asc. node retrograde evening set inferior conj minimum elong min. Earth dist. morning rise direct desc. node morning max el morning set max. Earth dist. superior conj	13588 May 04 09:49 13588 May 23 09:14 13588 Jun 02 07:57 13588 Jun 04 06:31 13588 Jun 10 11:59 13588 Jun 14 15:19 13588 Jun 19 21:29 13588 Jun 19 21:14 13588 Jun 20 12:31 13588 Jun 20 12:31 13588 Jun 30 12:53 13588 Jun 07 08:39 13588 Jul 11 12:13 13588 Jul 29 07:55 13588 Aug 17 04:29 13588 Aug 17 04:29 13588 Aug 17 04:29 13588 Aug 26 23:42 13588 Aug 27 02:28 13588 Aug 31 07:17	1° \$\mathbb{T}57'58\\ 0° \$\mathbb{G}\$ 12° \$\mathbb{G}19'20\\ 14° \$\mathbb{G}07'18\\ 17° \$\mathbb{G}25'02\\ 9° \$\mathbb{G}17'53\\ 9° \$\mathbb{G}18'43\\ 8° \$\mathbb{G}26'03\\ 2° \$\mathbb{G}57'37\\ 0° \$\mathbb{G}34'29\\ 3° \$\mathbb{G}26'06\\ 7° \$\mathbb{G}08'23\\ 0° \$\mathbb{A}\\ 27° \$\mathbb{A}32'47\\ 0° \$\mathbb{M}\\ 4° \$\mathbb{M}05'59\\ 17° \$\mathbb{M}44'35\\ 17° \$\mathbb{M}44'35\\ 17° \$\mathbb{M}95'140\\ 26° \$\mathbb{M}02'11\\	3°11'58 3°10'55 0.68400 AU 23°53'58 1.38601 AU -0°39'01
inferior conj minimum elong min. Earth dist. morning rise direct desc. node morning max el  morning set max. Earth dist.  superior conj minimum elong behind sun begin behind sun end asc. node	13587 Jun 27 13:03 13587 Jul 01 06:20 13587 Jul 02 17:51 13587 Jul 06 14:49 13587 Jul 07 19:43 13587 Jul 12 00:25 13587 Jul 17 22:12 13587 Jul 21 11:21 13587 Jul 21 11:21 13587 Jul 30 02:02 13587 Aug 04 17:45 13587 Aug 25 14:06 13587 Sep 04 00:42 13587 Sep 07 15:09 13587 Sep 11 10:12 13587 Sep 13 22:05 13587 Sep 13 22:23 13587 Sep 13 16:18 13587 Sep 14 04:29 13587 Sep 14 04:29 13587 Sep 14 10:45	2° \Pi 36'13 1° \Pi 15'45 30° \RS 25° \Sign 20'41 25° \Sign 18'04 23° \Sign 44'39 18° \Sign 56'48 16° \Sign 21'30 17° \Sign 08'13 23° \Sign 38'55 0° \Pi 00 \text{m} 16° \text{m} 08'52 22° \text{m} 45'28 0° \Left \Sign 56'15 4° \Left 25'58 5° \Left 26'35 5° \Left 57'52	3°09'06 3°08'04 0.67443 AU 25°21'33 1.36301 AU	evening max el asc. node retrograde evening set inferior conj minimum elong min. Earth dist. morning rise direct desc. node morning max el morning set max. Earth dist. superior conj minimum elong asc. node	13588 May 04 09:49 13588 May 23 09:14 13588 Jun 02 07:57 13588 Jun 04 06:31 13588 Jun 10 11:59 13588 Jun 14 15:19 13588 Jun 19 21:29 13588 Jun 20 12:31 13588 Jun 20 12:31 13588 Jun 25 02:52 13588 Jun 30 12:53 13588 Jul 07 08:39 13588 Jul 11 12:13 13588 Jul 29 07:55 13588 Aug 15 18:12 13588 Aug 17 04:29 13588 Aug 17 04:29 13588 Aug 27 02:28 13588 Aug 27 02:28 13588 Aug 31 07:17 13588 Sep 02 07:54	1° \$\mathbb{T}57'58 0° \$\mathbb{G}\$ 12° \$\mathbb{G}19'20 14° \$\mathbb{G}07'18 17° \$\mathbb{G}25'02 9° \$\mathbb{G}17'53 9° \$\mathbb{G}18'43 8° \$\mathbb{G}26'03 2° \$\mathbb{G}57'37 0° \$\mathbb{G}34'29 3° \$\mathbb{G}26'06 7° \$\mathbb{G}08'23 0° \$\mathbb{G} 27° \$\mathbb{G}32'47 0° \$\mathbb{M}\$ 4° \$\mathbb{M}\$05'59  17° \$\mathbb{M}\$44'35 17° \$\mathbb{M}\$57'40 26° \$\mathbb{M}\$02'11 0° \$\mathbb{G}\$	3°11'58 3°10'55 0.68400 AU 23°53'58 1.38601 AU -0°39'01
inferior conj minimum elong min. Earth dist. morning rise direct desc. node morning max el  morning set max. Earth dist.  superior conj minimum elong behind sun begin behind sun end	13587 Jun 27 13:03 13587 Jul 01 06:20 13587 Jul 02 17:51 13587 Jul 06 14:49 13587 Jul 07 19:43 13587 Jul 12 00:25 13587 Jul 17 22:12 13587 Jul 21 11:21 13587 Jul 21 11:21 13587 Jul 30 02:02 13587 Aug 04 17:45 13587 Aug 25 14:06 13587 Sep 04 00:42 13587 Sep 07 15:09 13587 Sep 11 10:12 13587 Sep 13 22:05 13587 Sep 13 16:18 13587 Sep 14 04:29 13587 Sep 14 10:45 13587 Sep 14 10:45 13587 Sep 14 10:45 13587 Sep 14 10:45 13587 Sep 14 10:45	2° \Pi 36'13 1° \Pi 15'45 30° \RS 25° \Sign 20'41 25° \Sign 18'04 23° \Sign 44'39 18° \Sign 56'48 16° \Sign 21'30 17° \Sign 08'13 23° \Sign 38'55 0° \Pi 0° \mathred{m} 16° \mathred{m} 08'52 22° \mathred{m} 45'28 0° \Lambda 4° \Lambda 56'15 4° \Lambda 25'58 5° \Lambda 26'35 5° \Lambda 57'52 21° \Lambda 16'58	3°09'06 3°08'04 0.67443 AU 25°21'33 1.36301 AU	evening max el asc. node retrograde evening set inferior conj minimum elong min. Earth dist. morning rise direct desc. node morning max el morning set max. Earth dist. superior conj minimum elong	13588 May 04 09:49 13588 May 23 09:14 13588 Jun 02 07:57 13588 Jun 04 06:31 13588 Jun 10 11:59 13588 Jun 14 15:19 13588 Jun 19 21:29 13588 Jun 20 12:31 13588 Jun 20 12:31 13588 Jun 25 02:52 13588 Jun 30 12:53 13588 Jul 07 08:39 13588 Jul 11 12:13 13588 Jul 29 07:55 13588 Aug 15 18:12 13588 Aug 17 04:29 13588 Aug 17 04:29 13588 Aug 27 02:28 13588 Aug 31 07:17 13588 Sep 02 07:54 13588 Sep 04 23:18	1° \$\Pi\$57'58 0° \$\sigma\$ 12° \$\sigma\$19'20 14° \$\sigma\$07'18 17° \$\sigma\$25'02 9° \$\sigma\$17'53 9° \$\sigma\$18'43 8° \$\sigma\$26'03 2° \$\sigma\$57'37 0° \$\sigma\$34'29 3° \$\sigma\$26'06 7° \$\sigma\$23 0° \$\sigma\$ 27° \$\sigma\$32'47 0° \$\text{mp}\$ 4° \$\text{mp}\$05'59  17° \$\text{mp}\$44'35 17° \$\text{mp}\$57'40 26° \$\text{mp}\$02'11 0° \$\sigma\$ 5° \$\sigma\$11'25	3°11'58 3°10'55 0.68400 AU 23°53'58 1.38601 AU -0°39'01
inferior conj minimum elong min. Earth dist. morning rise direct desc. node morning max el  morning set max. Earth dist.  superior conj minimum elong behind sun begin behind sun end asc. node	13587 Jun 27 13:03 13587 Jul 01 06:20 13587 Jul 02 17:51 13587 Jul 06 14:49 13587 Jul 07 19:43 13587 Jul 12 00:25 13587 Jul 17 22:12 13587 Jul 21 11:21 13587 Jul 21 11:21 13587 Jul 30 02:02 13587 Aug 04 17:45 13587 Aug 25 14:06 13587 Sep 04 00:42 13587 Sep 07 15:09 13587 Sep 11 10:12 13587 Sep 13 22:05 13587 Sep 13 22:23 13587 Sep 13 16:18 13587 Sep 14 04:29 13587 Sep 14 04:29 13587 Sep 14 10:45	2° \Pi 36'13 1° \Pi 15'45 30° \RS 25° \Sign 20'41 25° \Sign 18'04 23° \Sign 44'39 18° \Sign 56'48 16° \Sign 21'30 17° \Sign 08'13 23° \Sign 38'55 0° \Pi 00 \text{m} 16° \text{m} 08'52 22° \text{m} 45'28 0° \Left \Sign 56'15 4° \Left 25'58 5° \Left 26'35 5° \Left 57'52	3°09'06 3°08'04 0.67443 AU 25°21'33 1.36301 AU -0°04'57 0°04'55	evening max el asc. node retrograde evening set inferior conj minimum elong min. Earth dist. morning rise direct desc. node morning max el morning set max. Earth dist. superior conj minimum elong asc. node	13588 May 04 09:49 13588 May 23 09:14 13588 Jun 02 07:57 13588 Jun 04 06:31 13588 Jun 10 11:59 13588 Jun 14 15:19 13588 Jun 19 21:29 13588 Jun 20 12:31 13588 Jun 20 12:31 13588 Jun 25 02:52 13588 Jun 30 12:53 13588 Jul 07 08:39 13588 Jul 11 12:13 13588 Jul 29 07:55 13588 Aug 15 18:12 13588 Aug 17 04:29 13588 Aug 17 04:29 13588 Aug 27 02:28 13588 Aug 27 02:28 13588 Aug 31 07:17 13588 Sep 02 07:54	1° \$\Pi 57'58 0° \$\sigma\$ 12° \$\Sigma 19'20 14° \$\Sigma 07'18 17° \$\Sigma 25'02 9° \$\Sigma 17'53 9° \$\Sigma 18'43 8° \$\Sigma 26'03 2° \$\Sigma 57'37 0° \$\Sigma 34'29 3° \$\Sigma 26'06 7° \$\Sigma 32'47 0° \$\mathred{m}\$ 4° \$\mathred{m}\$ 05'59 17° \$\mathred{m}\$ 44'35 17° \$\mathred{m}\$ 57'40 26° \$\mathred{m}\$ 002'11 0° \$\sigma\$ 5° \$\sigma 11'25 0° \$\mathred{m}\$.	3°11'58 3°10'55 0.68400 AU 23°53'58 1.38601 AU -0°39'01

1,588   1,689   1,689   1,899   1,89	retrograde	13588 Sep 29 22:55	6°Ml09'34		evening max el	13589 Sep 04 12:27	14° <b>£</b> 13'04	18°19'37
des. Dots         Commission of Missol Co 10 0000         Pillanos S. 2-11124         density of ministration of 1888 Oct 10 2129         174 Month of Missol Co 10 1000         Pillanos S. 2-11240         density of ministration of 1888 Oct 10 2129         174 Month of Missol Co 10 1000         174 Month of Missol Co	•	*			•	•		18 1937
	-				_	-		
1988   1988				-2°11'24	•	-		
1888 0x 1 2 120						-		-0°28'09
min Earth dist         1358 SQC 15 10:157         29°45/20         0.6409/AU         min Earth dist         1288 SQC 22 12:16         29°45/20         0.6409/AU         morning memoring memoring rise         1288 SQC 22 12:26         29°45/300         direct         1288 SQC 15 01:10         76.45413         76.45713         7	minimum crong			2 00 13	•	-		
morning mider         1388 No. 19 200         0%-25 VIS         morning mace         1388 No. 19 200         28-24 VIS         42-25 VIS         28-25	min Earth dist			0 56499 AU	_	-		
direct         1388 Note 20 12 49         254 300         omnoming mare         1388 Note 10 1020         7 CML         comming mare         1388 Note 10 1020         7 CML         comming mare         1388 Note 10 1020         27 CML         2 CML         1388 Note 10 1020         27 CML         2 C				0.50177110		•		0.50500710
morning mach         1388 Nov   30 917         O'R         morning mach         1389 Nov   10 163         278-370         279-21           ase nach         1388 Nov   20 010         0'P         ase. nach         1389 Nov   14 054         157-55	•				-	•		
Manuface   1388 Nove   1670   278.3793   201022   1289 Nove   16.00   1074   178.00   178.00   178.00   18.0								27°21'51
1.888 No. 2 6 00.10   0°\$   2°\$   1559 No. 1 0 0.54   2°\$	morning max el			26°10'22	morning max or			2, 2131
ase noting         1358 Nov 2 7 0858         2°3117 1         comming set         1358 Nov 18 0012         2°742705         1 2742705         2°742705         <	morning man er			20 10 22	asc. node			
moning seq         1,358 Dec 0.0 1.28   38°8 Org 2.7   1.358 Dec 0.0 1.25   1.358	asc. node							
System   1,558   Dec   1   1,55   Feb   1,554   Feb   1					morning set			
superior oot         1388 Dec 11 2014         3"6"00"4         19735         minimum clong         1358 Nov 26 00-50         1"2"42"57         1383 Nov 26 00-50         1"2"4378         3258 Nov 26 00-50         1"2"4571         13193 AU           max. Farth dist.         13588 Nov 26 11 19-44         2"55721         19837         max. Farth dist.         13588 Nov 26 00-50         "7"8"157         13119 AU           desc. node         13588 Doc 21 1700         0"9-8         desc. docd         1558 Doc 10 150         0"2"5578         1"4"157           ecening max.         13589 Doc 10 1600         0"H         evening max.         13590 Dat 10 150         0"4"4"13         2"2"411         recogned         13590 Dat 10 150         0"4"4"13         2"2"411         recogned         13590 Dat 10 150         0"4"4"13         2"2"411         recogned         13590 Dat 10 151         0"4"4"13         2"2"411         recogned         13590 Dat 10 151         0"4"4"13         0"4"4"13         recogned         13590 Dat 20 151         0"4"4"14         1"4"4"14         1"4"4"14         1"4"4"14         1"4"4"14         1"4"4"14         1"4"4"14         1"4"4"14         1"4"4"14         1"4"4"14         1"4"4"14         1"4"4"14         1"4"4"14         1"4"4"14         1"4"4"14         1"4"4"14         1"4"4"14         1"4"4"14	. 8							
superior cori         1358 Roe 11 20.14         3°50004         19735         minimum elong         1358 Rot 20 20         12 18 20         1318 Rot 20 20					superior conj	13589 Nov 26 07:50	17° <b>∡</b> ¹42'06	1°32'01
minimum clong   1588 Roe   1   19-44   2°55721   1°3877   mark Earth dist   1588 Roe   12   18-39   5°8708   1358 Roe   1   18-39   18-30	superior conj	13588 Dec 11 20:14	3° <b>⋜</b> 00'04	1°37'35		13589 Nov 26 06:24	17° <b>∡</b> ³34′08	1°32'55
Persing rise   1358 Roe   18   1957   9°84918   1960   13688 Roe   24   1742		13588 Dec 11 19:44	2° <b>る</b> 57'21	1°38'37	•	13589 Nov 26 03:02	17° <b>∡</b> 15'17	1.31193 AU
Control   13588   Dec 24   1702   0°94   1702   1704   1	max. Earth dist.	13588 Dec 12 18:39	5° <b>る</b> 04'38	1.31538 AU		13589 Dec 01 21:05	8°0	
1.88   1.00   1.58   1.00   1.58   1.00   1.58   1.00   1.58   1.00   1.58   1.00	evening rise	13588 Dec 18 19:57	18° <b>る</b> 12'27		evening rise	13589 Dec 03 01:58	2° <b>る</b> 35'38	
2   2   2   2   2   2   2   2   2   2	· ·	13588 Dec 24 17:02	0° <b>≈</b>		-	13589 Dec 16 23:47	28° <b>る</b> 58'25	
evening max e	desc. node	13588 Dec 30 02:52	9° <b>≈</b> 49'18			13589 Dec 17 15:01	0°≈	
retrograde   3589 Feb   9   454   459   459   599   405   10   400		13589 Jan 12 16:00	0° <b>∀</b>		evening max el	13590 Jan 01 18:15	19° <b>≈</b> 31'46	26°40'52
evening set         13589 Feb 09 11:54         12*82*52*5         min. Earth dist.         13590 Jan 26 08:08         22*81519         0.9101 AU           min. Earth dist.         13589 Feb 13 06:31         10*240231         0.61278 AU         iniferior conj         13590 Feb 10 06:34         7*81742         2*1430         minimum elong         13590 Feb 06 11:47         15*84153         3*345143         15*84153         3*345143         15*84153         3*345143         15*84153         3*345143         15*84153         3*345143         15*84153         3*345143         15*84153         3*345143         15*84153         3*345143         15*84153         3*345143         15*84153         3*345143         15*84154143	evening max el	13589 Jan 19 16:08	7° <b>)</b> 44'13	27°24'11	•	13590 Jan 15 17:14	26° <b>≈</b> 40'17	
Persing Ser	retrograde	13589 Feb 02 14:54	15° <b>₩</b> 02'55		evening set	13590 Jan 22 07:19	24° <b>≈</b> 52'47	
inferior conj         13589 Feb 1 6 08.45         7°H17V2 4-2°H30         minimum clong         13590 Feb 1 6 11-37         15°F×11*53         3'3451           ass. node         13589 Feb 2 3 06.59         2°H2027         direct         13590 Feb 1 6 12-39         14°8×570         -           morning rise         13589 Feb 2 3 18.09         2°H2017         asc. node         13590 Feb 1 6 08-53         18°8×69*8         18°1641           direct         13589 Mar 20 1236         2°H2017         morning max         13590 Feb 1 6 08-53         18°8×69*8         18°1641           morning ast         13589 Mar 20 1342         2°P*45021         morning set         13590 Mar 20 1342         2°P*45021         morning set         13590 Mar 20 1342         0°P*         13590 Mar 30 1342         0°P*         13590 Mar 30 1342         0°P*         13590 Mar 30 1342         0°P*         12°P*2814         0°P*2814	=	13589 Feb 09 11:54	12° <b>¥</b> 52'54		=	13590 Jan 26 08:08	22° <b>≈</b> 15'19	0.59101 AU
information oni minimum clong minimum clong minimum clong minimum clong minimum clong asc. node asc. n	min. Earth dist.	13589 Feb 13 06:31	10° <b>米</b> 02'31	0.61278 AU	inferior conj	13590 Jan 29 12:16	19° <b>≈</b> 48′02	-3°38'14
Sase node	inferior conj	13589 Feb 16 08:45	7° <b>∺</b> 17'24	-2°14'30	-	13590 Jan 29 20:02	19° <b>≈</b> 32'58	3°34'51
as. node   13589 Feb   23 0.659   2°H20"   sec. node   13590 Feb   1239   14°sex70    sec. node   13589 Mar 20 1213   5°H30"   17°5201   morning max el   13590 Feb   21 1144   0°H   norning max el   13590 Mar 20 1234   11′44   0°H   norning max el   13590 Mar 12 17.00   0°P   13590 Mar 13 12.29   1°P 2814   0°1217   13590 Mar 13 18.24   1°P 3814   1°P 3814   1°P 3814   1°P 3814   1°P 3814   1°P 3814   0°1217   13590 Mar 13 18.24   1°P 3814   1°P 38	·	13589 Feb 16 13:31	7° <b>∺</b> 06'46	2°12'06	•	13590 Feb 06 11:47	15° <b>≈</b> 11'53	
direct         3589 Feb 25 21:27         2°H00°S         morning max el         13580 Mar 04 21:13         8°H30°L         18°80 Mar 04         18°80 Mar 04         18°80 Mar 04         18°80 Mar 04         18°80 Mar 20 1:236         2°H32°L         18°50 Mar 1         13590 Mar 1         18°B Mar 20 1:236         2°W Test         18°B Mar 1         18°B Mar 20 1:236         2°W Test         18°B Mar 1         18°B Mar 20 1:236         2°W Test         18°B Mar 1         18°B Mar 20 1:236         2°W Test         18°B Mar 1         18°B Mar 20 1:236         2°W Test         18°B Mar 1         18°P Mar 30         18°P Mar 31	asc. node	13589 Feb 23 06:59	2° <b>∺</b> 29'27			13590 Feb 08 12:39	14° <b>≈</b> 57'01	
morning max el   13589 Mar 20   12-13   29°H521   17°S201   morning set   13589 Mar 20   13-42   0°P   morning set   13589 Mar 12   13-42   0°P   morning set   13589 Mar 20   13-42   0°P   12-17   0°P   minimum elong   13589 Mar 13   13-22   1°P (28-14   0°1217   13-14   13-14   13-14   1°P (38-12   1°P (38-14   13-14   1°P (38-12   1°P (38-14   13-14   13-14   13-14   13-14   13-14   13-14   1°P (38-14   13-14	morning rise	13589 Feb 23 18:09	2° <b>∺</b> 20'17		asc. node	13590 Feb 10 04:25	15° <b>≈</b> 07'17	
morning set   13589 Mar 20   12.36   29°H 550   morning set   13590 Mar 04   01.58   13°H 50°L 7   morning set   13589 Mar 12   17.06   o°P°   morning set   13589 Mar 12   17.06   o°P°   morning set   13589 Mar 12   17.06   o°P°   morning set   13589 Mar 13   12.29   10°P 2814   o°P 12°17   minimum elong   13589 Mar 31   08.17   o°P°	direct	13589 Feb 25 21:27	2° <b>)</b> 00′54		morning max el	13590 Feb 16 08:53	18° <b>≈</b> 49'58	18°16'41
desc. node   13589 Mar 20 13:42   13°0°   13'82'   13'82'   13'89'   13'	morning max el	13589 Mar 04 21:13	5° <b>)</b> 32′12	17°52'01		13590 Feb 24 11:44	0° <b>∀</b>	
Superior conj   13589 Mar 28 04:46   13°9°38°27   19°9°06'32 -0°24'40   13590 Mar 13 13:29   19°42'11   19°40'12'17   13590 Mar 13 13590 Mar 13 13:29   19°42'13   19°40'13   13589 Mar 31 06:02   18°9°65'8   0°24'33   13590 Mar 13 13:30   13590 Mar 13 18:12   19°45'40   13589 Mar 31 06:02   18°45'65'8   0°24'33   13590 Mar 13 13:30   13590 Mar 13 18:12   19°45'40   13589 Mar 31 06:02   18°45'25'8   1.43161 AU   1808 co. node   13590 Mar 13 18:12   19°45'40   18°40'40'40'40'40'40'40'40'40'40'40'40'40'4	morning set	13589 Mar 20 12:36	29° <b>¥</b> 55′01		morning set	13590 Mar 04 01:58	13° <b>¥</b> 50′27	
superior conj         13589 Mar 31 08:17         19°Y0632 -0°2440         minimum elong         13590 Mar 13 13:24         1°Y3223         0°1217           minimum elong         13589 Mar 31 06:02         18°Y56'50 0°24'33         behind sun end         13590 Mar 13 08:36         1°Y10'34         1°Y10'34           max. Earth dist.         13589 Apr 10 19:47         0°8         behind sun end         13590 Mar 13 18:12         1°Y54'09           evening rise         13589 Apr 10 40:54         1°E52'255 1.43161 AU         desc. node         13590 Mar 13 18:12         1°Y674'03           evening rise         13589 Apr 10 40:54         1°E52'255 1.43161 AU         desc. node         13590 Mar 13 18:12         1°Y784'04           evening max el         13589 May 16 03:50         26°R09'30         21°51'28         13590 Mar 13 18:20         1°Y674'14         14162 AU           evening max el         13589 May 16 03:50         26°R09'30         21°51'28         13590 Mar 25 18:14         2°Y6'24'8         14162 AU           esc. node         13589 May 20 18:14         0°95         13590 Mar 30 09:57         16°R08'9         10°R00'22         2°11'29           evening set         13589 May 30 00:17         29°H41'50         evening set         13590 May 10 05:50         16°R08'9         16°R08'9           inferior c		13589 Mar 20 13:42	$0^{\circ}\mathbf{\Upsilon}$			13590 Mar 12 17:06	$0^{\circ}\Upsilon$	
Superior conj   13589 Mar 31 08.17   19°V0632 -0°24'40   minimum elong minimum elong minimum elong minimum elong minimum elong   13590 Mar 13 13:24   1°V32'32   0°12'13   18'12   1°V6'10'34   18'13   13'89 Mar 13 13'89 Mar 14 10'\$ 7°\$ 540'8 Mar 14 13'89 Mar 13 13'89 Mar 13 13'89 Mar 14 19'\$ 7°\$ 540'8 Mar 14 13'89 Mar 13 13'89 Mar 13 13'89 Mar 14 19'\$ 7°\$ 540'8 Mar 14 13'89 Mar 13 13'89 Mar 13 13'89 Mar 14 19'\$ 7°\$ 540'8 Mar 14 13'89 Mar 14 13 13'89 Mar 14 11 19'\$ 78'849 Mar 14 13 13'89 Mar 13 13'89 Mar 14 11 19'\$ 78'849 Mar 14 11 19'\$ 78'849 Mar 14 11 13'99 Mar 14 11 19'\$ 78'849 Mar 14 11 13'99 Mar 14 11 13'99 Mar 14 11 13'99 Mar 14'81 19'81'89 Mar 14 14'99 Mar 14'81 19'81'89 Mar 14 11 13'99 Mar 14'81 19'81'89 Mar 14'89 Mar 14'81 18'81'89 Mar 14'81 18'81'8	desc. node	13589 Mar 28 04:46	13° <b>Ƴ</b> 38′27					
minimum elong   13589 Mar 31 06:02   18°P5650 0°24'33   behind sun begin   13590 Mar 13 08:36   1°P1034   17°P1034   13589 Apr 16 02 0°26   12°P255   1.43161 AU   desc. node   13590 Mar 13 18:12 1°P764'09   1.41162 AU   12°P256   1.43161 AU   desc. node   13590 Mar 25 18:11   14°P748'14   1.41162 AU   13589 Apr 26 04:23   0°H   22°P35   1.43161 AU   desc. node   13590 Mar 25 18:11   12°P732'48   1.41162 AU   13589 May 21 06:13   0°H   13589 Mar 26 04:23   0°H   22°P32'48   13590 Mar 25 18:11   12°P732'48   13590 Mar 25 18:11   12°P732'48   13589 May 21 18:14   0°£ 0°£ 0°H   13590 Mar 30 09:51   0°B   13590 Mar 25 18:11   12°P732'48   13590 Mar 25 18:11   13590 Mar 25					superior conj	13590 Mar 13 12:29	1° <b>Y</b> 28'14	0°12'17
max. Earth dist.         13589 Apr 06 19:47         0°8         behind sun end         13590 Mar 13 18:12         1°Υ5409         Heave 13590 Mar 15 01:14         4°Υ13'54         Heave 13590 Mar 15 01:14         4°Y13'54         Heave 13590 Mar 15 01:14         4°Y13'54         Heave 13590 Mar 15 01:14         4°Y13'54         Heave 11'8 Mar 11'	superior conj	13589 Mar 31 08:17	19° <b>Ƴ</b> 06'32	-0°24'40	minimum elong	13590 Mar 13 13:24	1° <b>Y</b> ′32'23	0°12'13
max. Earth dist.         13589 Apr 10 16:02         1°822'55         1.43161 AU         desc. node         13590 Mar 15 01:14         4°°13'54         1.41162 AU           evening rise         13589 Apr 14 04:54         11°850'27         max. Earth dist.         13590 Mar 21 02:37         14°°14'814         1.41162 AU           evening max el         13589 May 16 03:50         20° Π09'30         21°51'28         13590 Mar 30 09:51         0°*8         -           asc. node         13589 May 22 03:41         0° ©         12°51'28         13590 Mar 30 09:51         0° ° M         -           retrograde         13589 May 25 10:06         1° ©35'14         retrograde         13590 May 09 05:57         16° Π08'49         -           evening set         13589 May 29 15:13         30° R         retrograde         13590 May 09 05:57         16° Π08'49         -           evening set         13589 May 29 15:13         30° R         retrograde         13590 May 09 05:57         16° 108'49         -           evening set         13589 May 29 15:13         30° R         retrograde         13590 May 19 05:06         8° T13'31         06887 AU           inferior conj         13589 May 29 16:13         30° R         retrograde         13590 May 19 05:06         8° T13'31         068887 AU	minimum elong	13589 Mar 31 06:02	18° <b>Ƴ</b> 56'50	0°24'33	behind sun begin	13590 Mar 13 08:36	1° <b>Y</b> 10'34	
Part		13589 Apr 06 19:47	$0^{\circ}$ 8		behind sun end	13590 Mar 13 18:12	1° <b>Y</b> 54'09	
evening max el	max. Earth dist.	13589 Apr 07 16:02	1° <b>8</b> 22'55	1.43161 AU	desc. node	13590 Mar 15 01:14	4° <b>Y</b> 13'54	
Sevening max el   13589 May 16 03:50   26° Π09'30   21°51'28   13590 Mar 30 09:51   0°\$     13589 May 20 18:14   0°\$   evening max el   13590 Apr 20 05:06   0° Π     13589 May 20 18:14   0°\$   evening max el   13590 Apr 20 05:06   0° Π     13589 May 25 10:06   1°\$35'14   retrograde   13590 Apr 28 19:36   10° Π08'25     13589 May 29 15:13   30°R Π   evening set   13590 May 09 05:57   16° Π08'47     13589 May 29 15:13   30°R Π   evening set   13590 May 09 05:57   16° Π08'47     13589 May 30 00:17   29° Π41'50   evening set   13590 May 19 05:06   8° Π13'34   0.68887 AU     13589 Jun 04 06:35   23° Π28'19   3°03'37   min. Earth dist.   13590 May 19 05:06   8° Π13'34   0.68887 AU     13589 Jun 04 08:27   23° Π28'20   3°02'28   inferior conj   13590 May 19 16:11   7° Π35'19   2°44'56     13589 Jun 04 08:27   23° Π28'20   3°02'28   inferior conj   13590 May 19 16:11   7° Π35'19   2°44'56     13589 Jun 04 08:22   23° Π18'11   0.68884 AU   minimum elong   13590 May 24 21:03   1° Π28'04     13589 Jun 14 07:48   15° Π04'11   morning rise   13590 May 24 21:03   1° Π28'04     13589 Jun 14 07:48   15° Π04'11   morning max el   13590 May 24 21:03   3° R B     13589 Jun 14 07:48   13° Π04'11   13590 May 29 05:37   29° B42'42     13589 Jun 14 07:48   13° Π04'11   13590 May 29 05:37   29° B42'42     13589 Jun 14 07:49   21° Π04'5   13590 May 29 05:37   29° B42'42     13589 Jun 14 07:49   21° Π04'5   13590 May 29 05:37   29° B42'42     13589 Jun 14 07:49   21° Π04'5   13590 May 29 05:37   29° B42'42     13589 Jun 14 07:49   21° Π04'5   13590	evening rise	13589 Apr 14 04:54	11° <b>8</b> 50'27		max. Earth dist.	13590 Mar 21 02:37	14° <b>Ƴ</b> 48'14	1.41162 AU
13589 May   20   18:14   0°\$   evening max el   13590 Apr   20   05:06   0°\$   evening max el   13590 Apr   28   19:36   10°\$		13589 Apr 26 04:23			evening rise	13590 Mar 25 18:11	22° <b>Y</b> ′32'48	
Seconde   13589 May 22 03:41   0°\$46'26   evening max el   13590 Apr 28 19:36   10°\$10'24   23°11'29   retrograde   13589 May 25 10:06   1°\$35'14   retrograde   13590 May 09 05:57   16°\$108'59   retrograde   13589 May 29 15:13   30°R\$\$\tau\$   asc. node   13590 May 09 05:57   16°\$108'47   retrograde   13590 May 19 05:06   16°\$108'47   retrograde   retrograde   retrograde   13590 May 19 05:06   16°\$108'47   retrograde   retrograde   13590 May 19 05:06   16°\$108'47   retrograde   retrograde   13590 May 19 05:06   16°\$108'47   retrograde   13590	evening max el	13589 May 16 03:50	26° <b>Ⅱ</b> 09'30	21°51'28		13590 Mar 30 09:51	$9^{\circ}$ 8	
retrograde   13589 May 25   10:06   1°35'14   retrograde   13590 May 0   05:57   16° Π08'59   16° Π08'47   13589 May 29   15:13   30° R Π   asc. node   13590 May 19   05:57   16° Π08'47		13589 May 20 18:14	0ං <b>ව</b>			13590 Apr 20 05:06	$\Pi$ $\circ$ 0	
Sample   13589 May 29   15:13   30°R   Sample	asc. node	13589 May 22 03:41	0°9546'26		evening max el	13590 Apr 28 19:36	10° <b>Ⅱ</b> 00′24	23°11'29
evening set	retrograde	13589 May 25 10:06	1° <b>9</b> 35'14		retrograde	13590 May 09 05:57	16° <b>Ⅱ</b> 08'59	
minferior conj   13589 Jun   04   06:36   23° II 24'19   3°03'37   min. Earth dist.   13590 May   19   16:11   7° II 35'19   2°44'56   min. Earth dist.   13589 Jun   04   05:27   23° II 28'20   3°02'28   inferior conj   13590 May   19   16:11   7° II 35'19   2°44'56   min. Earth dist.   13589 Jun   04   08:22   23° II 18'11   0.68884 AU   minimum elong   13590 May   19   14:21   7° II 41'13   2°43'39   morning rise   13589 Jun   09   10:26   17° II 09'52   morning rise   13590 May   24   21:03   1° II 28'04   24'3'39   morning max el   13589 Jun   24   07:48   15° II 04'11		•			asc. node	-		
minimum elong   13589 Jun   04   05:27   23° I28'20   3°02'28   inferior conj   13590 May   9   16:11   7° I35'19   2°44'56   min. Earth dist.   13589 Jun   04   08:22   23° I18'11   0.68884 AU   minimum elong   13590 May   9   14:21   7° I41'36   2°43'39   Mirct   13589 Jun   14   07:48   15° I04'11	•				•	-		
miniman   miniman   miniman   miniman   miniman   miniman   miniman   miniman   morning rise   13589 Jun   09   10:26   17° Πο9'52   morning rise   13590 May   24   21:03   1° Π28'04	inferior conj				min. Earth dist.			0.68887 AU
morning rise   13589 Jun   09   10:26   17° Π09'52   morning rise   13590 May 24   21:03   1° Π28'04     direct   13589 Jun   14   07:48   15° Π04'11   line   13590 May 27   10:39   30° κ8     morning max el   13589 Jun   23   23:58   20° Π46'01   22°24'39   direct   13590 May 29   05:37   29° 842'42     desc. node   13589 Jun   24   05:48   21° Π00'45   morning max el   13590 Jun   20   16:29   4° Π33'44   21°01'37     13589 Jun   21   12:02   0° Φ   morning max el   13590 Jun   10   10:24   9° Π31'01     morning set   13589 Jun   27   11:46   7° Ω53'12   max. Earth dist.   13590 Jun   25   22:00   0° Φ     morning set   13589 Aug   09   08:28   29° Ω48'19   -1°14'05   max. Earth dist.   13590 Jun   15   05:59   0° Ω     minimum elong   13589 Aug   09   14:02   0° Ψ1   10'13'53     minimum elong   13589 Aug   09   11:05   0° Ψ1   10'13'53     asc. node   13589 Aug   18   30:51   16° Ψ00'38   minimum elong   13590 Jun   21   20:00   10° Ω56'07   -1°45'48     asc. node   13589 Aug   19   13:35   18° Ψ038'53   solution   minimum elong   13590 Aug   01   18:10   0° Ψ1   11° Ω26'48   1°45'55     asc. node   13589 Aug   19   13:35   18° Ψ038'53   solution   minimum elong   13590 Aug   01   18:10   0° Ψ1   10° Ψ5'55     asc. node   13589 Aug   19   13:35   18° Ψ038'53   solution   minimum elong   13590 Aug   01   18:10   0° Ψ1   10° Ψ5'55     asc. node   13589 Aug   19   13:35   18° Ψ038'53   solution   minimum elong   13590 Aug   01   18:10   0° Ψ1   10° Ψ5'55     asc. node   13589 Aug   19   13:35   18° Ψ038'53   solution   minimum elong   13590 Aug   01   18:10   0° Ψ1   10° Ψ5'55     asc. node   13589 Aug   19   13:35   18° Ψ038'53   solution   minimum elong   13590 Aug   01   18:10   0° Ψ1   10° Ψ1	•							
Mirect   13589 Jun   14   07:48   15° Π04'11   22°24'39   Mirect   13590 May 27   10:39   30° κ				0.68884 AU		•		2°43'39
Morning max el   13589 Jun   23   23:58   20° \$\tau\$46'01   22°24'39   direct   13590 May 29   05:37   29°\$\tau\$4'24'24   desc. node   13589 Jun   24   05:48   21° \$\tau\$100'45   morning max el   13590 May 31   02:24   0° \$\tau\$     0° \$\tau\$	•				morning rise	•		
desc. node   13589 Jun   24   05:48   21° Π00'45   morning max el   13590 May 31   02:24   0° Π     13589 Jul   21   21:02   0° ⑤   morning max el   13590 Jun   06   16:29   4° Π33'44   21°01'37     13589 Jul   22   13:09   0° Ω   desc. node   13590 Jun   11   02:48   9° Π31'01     morning set   13589 Jul   27   11:46   7° Ω53'12   13590 Jun   25   22:00   0° ⑤     max. Earth dist.   13589 Aug 01   12:23   16° Ω11'47   1.40948 AU   morning set   13590 Jul   27   05:01   17° ©10'47     max. Earth dist.   13589 Aug 09   08:28   29° Ω48'19   -1° 14'05   max. Earth dist.   13590 Jul   14   18:23   29° ©12'47   1.43041 AU     superior conj   13589 Aug 09   14:02   0° №   10° №   13590 Jul   15   05:59   0° Ω     minimum elong   13589 Aug 09   11:05   0° №   superior conj   13590 Jul   21   20:00   10° Ω56'07   -1° 45'48     asc. node   13589 Aug 19   13:35   18° № 038'53   minimum elong   13590 Aug 01   18:10   0° №   14'05     evening rise   13589 Aug 19   13:35   18° № 038'53   18° № 038'53   13590 Aug 01   18:10   0° №						•		
13589 Jul   01   21:02   0°©   morning max el   13590 Jun   06   16:29   4° II 3'44   21°01'37     13589 Jul   22   13:09   0° Ω   desc. node   13590 Jun   11   02:48   9° II 31'01     morning set   13589 Jul   27   11:46   7° Ω53'12   13590 Jun   25   22:00   0°©     max. Earth dist.   13589 Aug   01   12:23   16° Ω11'47   1.40948 AU   morning set   13590 Jul   07   05:01   17°©10'47     max. Earth dist.   13589 Aug   09   08:28   29° Ω48'19   -1°14'05   13590 Jul   14   18:23   29°©12'47   1.43041 AU     superior conj   13589 Aug   09   14:02   0° III'14   1°13'53     minimum elong   13589 Aug   09   11:05   0° III   1°13'53     asc. node   13589 Aug   18   03:51   16° III 00'38   minimum elong   13590 Aug   1   18:10   0° III     evening rise   13589 Aug   19   13:35   18° III 38'53   18° III 38'53     morning max el   13590 Jun   10   10° 10° 10° 10° 10° 10° 10° 10° 10° 10°	-			22°24'39	direct	-		
Morning set   13589 Jul   22   13:09   0°Ω   desc. node   13590 Jun   11   02:48   9°∏31'01   13589 Jul   13589 Jul   12:23   16°Ω11'47   1.40948 AU   morning set   13590 Jul   13590 Jul   13590 Jul   13590 Jul   14   18:23   29°©12'47   1.43041 AU   superior conj   13589 Aug   09   08:28   29°Ω48'19   -1°14'05   13590 Jul   14   18:23   29°©12'47   1.43041 AU   13589 Aug   09   11:05   0°™   superior conj   13589 Aug   09   11:05   0°™   superior conj   13590 Jul   21   20:00   10°Ω56'07   -1°45'48   asc. node   13589 Aug   18   03:51   16°™00'38   minimum elong   13590 Aug   1   18:10   0°™   13590 Aug   1   18:10   13590 Aug   1   18:10   13590 Aug   1   13:10   13590 Aug   1   13:10	desc. node					-		
morning set   13589 Aug   12146   7° \$\Q 53'12   16° \$\Q 11'47   1.40948 AU   morning set   13590 Jul   25   22:00   0°\$\Q\$   12:23   16° \$\Q 11'47   1.40948 AU   morning set   13590 Jul   07   05:01   17°\$\Q\$ 10'47   1.43041 AU   superior conj   13589 Aug   09   08:28   29° \$\Q 48'19   -1° 14'05   max. Earth dist.   13590 Jul   14   18:23   29°\$\Q\$ 12'47   1.43041 AU   13589 Aug   09   14:02   0° \$\Q\$ 13'14   1° 13'53   superior conj   13589 Aug   09   11:05   0°\$\Q\$   superior conj   13590 Jul   21   20:00   10° \$\Q\$ 56'07   -1° 45'48   asc. node   13589 Aug   19   13:35   18° \$\Q\$ 03'85					•			21°01'37
max. Earth dist.       13589 Aug 01 12:23       16°Ω11'47       1.40948 AU       morning set max. Earth dist.       13590 Jul 13590 Jul 14 18:23       29°©12'47       1.43041 AU         superior conj minimum elong       13589 Aug 09 08:28 29°Ω48'19 -1°14'05       13590 Jul 13590 Jul 15 05:59       0°Ω       0°Ω         superior conj minimum elong       13589 Aug 09 14:02 0°M0 13'14 1°13'53       13589 Aug 09 11:05 0°M0       superior conj 13590 Jul 21 20:00 10°Ω56'07 -1°45'48       10°Ω56'07 -1°45'48         asc. node       13589 Aug 18 03:51 16°M00'38       minimum elong       13590 Aug 1 18:10 0°M0       10°Ω56'07 1°45'55         evening rise       13589 Aug 19 13:35 18°M38'53       18°M38'53       13590 Aug 1 18:10 0°M0       18:10 0°M0					desc. node			
max. Earth dist.   13590 Jul   14   18:23   29°©12'47   1.43041 AU     superior conj   13589 Aug 09   08:28   29°Q48'19   -1°14'05   13590 Jul   15   05:59   0°Q     minimum elong   13589 Aug 09   14:02   0°Mp   13'14   1°13'53     asc. node   13589 Aug 18   03:51   16°Mp 00'38   minimum elong   13590 Jul   21   20:00   10°Q56'07   -1°45'48     asc. node   13589 Aug 18   13:35   18°Mp 38'53   minimum elong   13590 Aug   1   18:10   0°Mp   18:10     asc. node   13589 Aug 19   13:35   18°Mp 38'53   13590 Aug   1   18:10   0°Mp   18:10     asc. node   13589 Aug 19   13:35   18°Mp 38'53   13590 Aug   1   18:10   0°Mp   18:10     asc. node   13589 Aug 19   13:35   18°Mp 38'53   13590 Aug   1   18:10   0°Mp   18:10     asc. node   13589 Aug 19   13:35   18°Mp 38'53   18°Mp 38'54   18°Mp 38'Mp 38'	•			1 100 10 1 ==				
superior conj       13589 Aug 09       08:28       29° Ω48'19       -1°14'05       13590 Jul       15       05:59       0° Ω         minimum elong       13589 Aug 09       14:02       0° № 13'14       1°13'53         13589 Aug 09       11:05       0° №       superior conj       13590 Jul       21       20:00       10° Ω56'07       -1°45'48         asc. node       13589 Aug 18       03:51       16° № 00'38       minimum elong       13590 Aug 01       22       03:14       11° Ω26'48       1°45'55         evening rise       13589 Aug 19       13:35       18° № 38'53       13590 Aug 01       18:10       0° №	max. Earth dist.	13589 Aug 01 12:23	16~ <b>81</b> 11'47	1.40948 AU	•			1 42044 : **
minimum elong 13589 Aug 09 14:02 0° m/0 13'14 1°13'53 13589 Aug 09 11:05 0° m/0 superior conj 13590 Jul 21 20:00 10° Ω56'07 -1°45'48 asc. node 13589 Aug 18 03:51 16° m/0 00'38 minimum elong 13590 Jul 22 03:14 11° Ω26'48 1°45'55 evening rise 13589 Aug 19 13:35 18° m/0 38'53 13590 Aug 01 18:10 0° m/0					max. Earth dist.			1.43041 AU
13589 Aug 09       11:05       0° mp       superior conj       13590 Jul       21       20:00 $10^{\circ}\Omega$ 56'07 $-1^{\circ}45'48$ asc. node       13589 Aug 18       03:51       16° mp 00'38       minimum elong       13590 Jul       22       03:14 $11^{\circ}\Omega$ 26'48 $1^{\circ}45'55$ evening rise       13589 Aug 19       13:35       18° mp 38'53       13590 Aug 01       18:10       0° mp		•				13590 Jul 15 05:59	$0$ ° $\Omega$	
asc. node 13589 Aug 18 03:51 $16^{\circ}$ mp 00'38 minimum elong 13590 Jul 22 03:14 $11^{\circ}$ $\Omega$ 26'48 $1^{\circ}$ 45'55 evening rise 13589 Aug 19 13:35 $18^{\circ}$ mp 38'53 13590 Aug 01 18:10 $0^{\circ}$ mp	minimum elong	-		1°13'53				
evening rise 13589 Aug 19 13:35 18° Mp 38'53 13590 Aug 01 18:10 0° Mp	_	-						
		-	-		mınımum elong			1°45'55
13589 Aug 25 17:33 0°44 evening rise 13590 Aug 02 14:06 1°Mp 28'54	evening rise	-				-		
		13389 Aug 25 17:33	0.77		evening rise	13590 Aug 02 14:06	1 110/28/54	

asc. node	13590 Aug 05 00:30	5° <b>m</b> 49'17		minimum elong	13591 Jul 02 12:49	21° <b>5</b> 24'02	2°08'34
evening max el	13590 Aug 19 00:21	27° m 11'12	18°03'41		13591 Jul 07 19:01	$0^{\circ}\Omega$	
	13590 Aug 22 21:19	0° <b>⊽</b>		evening rise	13591 Jul 15 19:43	13° <b>Ω</b> 28'22	
retrograde	13590 Aug 25 17:09	0° <b>Ω</b> 37'46		asc. node	13591 Jul 22 21:12	25° <b>Ω</b> 22'55	
evening set	13590 Aug 28 02:58	0° <b>Ω</b> 11'03		ovening may al	13591 Jul 25 17:38 13591 Aug 02 14:41	0° Mp 10° Mp 32'56	18°06'46
inferior conj	13590 Aug 28 14:07 13590 Sep 03 22:12	30°R, Mp 25° Mp 12'08	0°55'29	evening max el retrograde	13591 Aug 02 14.41 13591 Aug 08 23:45	10 lly 32 30 13° My 53'23	18 00 40
minimum elong	13590 Sep 03 22:12 13590 Sep 03 23:50	25° m) 08'15	0°54'42	evening set	13591 Aug 08 23.43 13591 Aug 11 17:52	13° m) 14'00	
min. Earth dist.	13590 Sep 07 01:55	22° m) 12'22	0.60765 AU	inferior conj	13591 Aug 17 17:32 13591 Aug 17 22:45	7° m <sub>0</sub> 57'12	1°56'43
desc. node	13590 Sep 07 00:03	22° m) 16'36		minimum elong	13591 Aug 18 01:14	7° m 50'28	1°55'29
morning rise	13590 Sep 10 17:46	19° <b>m</b> 18'09		min. Earth dist.	13591 Aug 20 16:08	5° Mp 01'06	0.63014 AU
direct	13590 Sep 17 08:17	17° <b>m</b> )08'18		morning rise	13591 Aug 24 06:33	1° <b>m</b> 44'34	
morning max el	13590 Oct 01 14:38	25° Mp 03'23	27°56'04	desc. node	13591 Aug 24 21:35	1° <b>m</b> )17'43	
	13590 Oct 06 03:43	0∘ <b>⊽</b>			13591 Aug 27 06:23	$30^{\circ}$ R $\Omega$	
	13590 Oct 26 00:34	$0^{\circ}$ M		direct	13591 Aug 30 22:33	29° <b>Ω</b> 15′23	
asc. node	13590 Nov 01 02:30	11°M38'53			13591 Sep 03 19:41	0° <b>m</b> )	
morning set	13590 Nov 03 13:17	16° <b>™</b> 39'43		morning max el	13591 Sep 13 22:47	7° <b>m</b> ) 17'15	27°51'22
max. Earth dist.	13590 Nov 09 10:26	29°M19'50	1.31371 AU		13591 Oct 01 08:43	0∘ <b>亚</b> ≎2:112	
	13590 Nov 09 17:42	0° <b>∡</b> ¹		morning set	13591 Oct 18 10:04	0°M27'45	
gunariar agni	12500 Nov. 10, 19:20	2° <b>∡</b> 18'18	1°20'41	asc. node	13591 Oct 18 04:34 13591 Oct 18 23:10	0°ጤ 1°ጤ34'08	
superior conj minimum elong	13590 Nov 10 18:39 13590 Nov 10 16:35	2° <b>x</b> '1818 2° <b>x</b> '06'48	1°21'19	max. Earth dist.	13591 Oct 18 23:10 13591 Oct 23 12:51	11°M07'48	1.32086 AU
evening rise	13590 Nov 17 11:26	17° <b>∡</b> 05′50	1 21 19	max. Lattii dist.	13391 Oct 23 12.31	11 11607 40	1.32080 AU
evening rise	13590 Nov 23 17:49	0°る		superior conj	13591 Oct 26 02:47	16°M42'56	1°03'39
desc. node	13590 Dec 03 20:49	17° <b>る</b> 23'55		minimum elong	13591 Oct 26 00:30	16°ML30'30	1°03'58
	13590 Dec 14 01:06	0° <b>≈</b>			13591 Nov 01 04:22	0° <b>∡</b> ¹	
evening max el	13590 Dec 14 11:50	0° <b>≈</b> 25'49	25°25'12	evening rise	13591 Nov 01 22:27	1° <b>∡</b> ′37′38	
retrograde	13590 Dec 28 08:24	7° <b>≈</b> 24'06			13591 Nov 17 05:51	ರ∘ರ	
evening set	13591 Jan 03 05:43	6° <b>≈</b> 05'02		desc. node	13591 Nov 20 17:59	4° <b>る</b> 48'47	
min. Earth dist.	13591 Jan 08 00:02	3° <b>≈</b> 25'25	0.57069 AU	evening max el	13591 Nov 25 22:31	10° <b>る</b> 37'20	23°47'56
inferior conj	13591 Jan 10 19:51	1° <b>≈</b> 31'39	-4°56'12	retrograde	13591 Dec 09 11:00	17° <b>る</b> 21'13	
minimum elong	13591 Jan 11 04:34	1° <b>≈</b> 16'59	4°53'10	evening set	13591 Dec 14 04:21	16° <b>පි</b> 32'36	
	13591 Jan 13 03:58	30°Rる		min. Earth dist.	13591 Dec 20 09:22	13° <b>る</b> 31'45	0.55468 AU
morning rise	13591 Jan 19 05:57	27° <b>る</b> 17'53		inferior conj	13591 Dec 22 06:46	12° <b>る</b> 24'08	
direct	13591 Jan 21 09:54	27°る03'57 29°る26'00		minimum elong	13591 Dec 22 11:17	12°る17'23 8°る29'08	5°46'58
asc. node	13591 Jan 28 01:46 13591 Jan 28 19:44	29° <b>6</b> 2600		morning rise	13591 Dec 30 20:02 13592 Jan 02 11:18	8° <b>ろ</b> 2908 8° <b>ろ</b> 11'47	
morning max el	13591 Jan 30 11:44	0 ∞ 1°≈28'31	19°02'38	morning max el	13592 Jan 13 01:53	8 31147 13° <b>3</b> 16'38	20°11'34
morning set	13591 Feb 16 01:19	28°≈11'32	19 02 38	asc. node	13592 Jan 14 23:02	15° <b>る</b> 10'38	20 11 34
morning sec	13591 Feb 16 23:16	0° <b>)</b> €		use. Hode	13592 Jan 24 18:30	0° <b>≈</b>	
				morning set	13592 Jan 31 07:14	12° <b>≈</b> 47'51	
superior conj	13591 Feb 24 10:57	14° <b>¥</b> 39'47	0°43'13	C			
minimum elong	13591 Feb 24 13:25	14° <b>)</b> 51'33	0°43'13	superior conj	13592 Feb 07 23:07	28° <b>≈</b> 27'54	1°07'11
desc. node	13591 Mar 01 21:44	24° <b>)</b> 49′43		minimum elong	13592 Feb 08 01:51	28° <b>≈</b> 41'35	1°07'27
max. Earth dist.	13591 Mar 03 09:27	27° <b>)</b> € 30'34	1.38924 AU		13592 Feb 08 17:31	0° <b>)</b>	
	13591 Mar 04 19:09	$0^{\circ}$ Y		max. Earth dist.	13592 Feb 13 16:08		1.36697 AU
evening rise	13591 Mar 07 04:41	4° <b>Υ</b> 10'05		desc. node	13592 Feb 16 18:17	15° <b>¥</b> 22'07	
	13591 Mar 23 12:37	0°8		evening rise	13592 Feb 17 10:42	16° <b>)</b> (36'47	
evening max el	13591 Apr 11 09:17	23° <b>8</b> 52'29	24°31'49		13592 Feb 25 04:39	0° <b>Υ</b>	
	13591 Apr 19 18:56	0°П 0°П37'50			13592 Mar 16 23:14	0°8	25945124
retrograde asc. node	13591 Apr 22 22:24 13591 Apr 25 22:17	29° <b>В</b> 58'16		evening max el retrograde	13592 Mar 23 22:43 13592 Apr 05 10:25	7° <b>8</b> 44'22 14° <b>8</b> 55'38	25-45-34
asc. node	13591 Apr 25 20:44	30°RB		evening set	13592 Apr 03 10:25 13592 Apr 11 10:56	12° <b>8</b> 26'55	
evening set	13591 Apr 28 11:41	28° <b>8</b> 17'30		asc. node	13592 Apr 11 10:30	12° <b>8</b> 08'03	
min. Earth dist.	13591 May 03 00:41	23° <b>8</b> 06'28	0.68421 AU	min. Earth dist.	13592 Apr 15 17:04	7° <b>8</b> 51'17	0.67509 AU
inferior conj	13591 May 04 00:20	21° <b>8</b> 47'19	2°16'04	inferior conj	13592 Apr 17 05:09	5° <b>8</b> 56'46	1°36'46
minimum elong	13591 May 03 22:11	21° <b>8</b> 54'30	2°14'44	minimum elong	13592 Apr 17 03:10	6° <b>8</b> 03'05	1°35'35
morning rise	13591 May 09 08:52	15° <b>8</b> 48'21		morning rise	13592 Apr 22 20:00	0° <b>8</b> 07'19	
direct	13591 May 13 05:07	14° <b>8</b> 23'50		-	13592 Apr 23 00:41	30° <b>₹</b> Υ	
morning max el	13591 May 20 16:08	18° <b>8</b> 33'01	19°50'23	direct	13592 Apr 26 04:51	29° <b>Y</b> ′02'21	
desc. node	13591 May 28 23:43	28° <b>8</b> 41'54			13592 Apr 29 12:20	0°B	
	13591 May 29 22:13	$\Pi^{\circ}0$		morning max el	13592 May 02 23:15	2° <b>8</b> 41'55	18°54'12
morning set	13591 Jun 16 07:17	25° <b>∏</b> 52′26		desc. node	13592 May 14 20:31	18° <b>8</b> 22'43	
	13591 Jun 18 23:31	0°®		greatest brilliancy	13592 May 16 12:05	20° <b>8</b> 52'01	-0.8m
max. Earth dist.	13591 Jun 27 06:45	12° <b>©</b> 59'25	1.44646 AU		13592 May 22 10:48	0°П	
aumani '	12501 I-1 02 07 41	210@02110	2007147	morning set	13592 May 25 15:07	4° <b>Ⅱ</b> 55'45	1 45/07 411
superior conj	13591 Jul 02 07:41	21° <b>©</b> 03'19	-2-0/4/	max. Earth dist.	13592 Jun 08 23:48	21 <sup>-</sup> <b>Ц</b> 1/'1/	1.45607 AU

superior conj	13592 Jun 10 23:09	0°\$22'50	-2°13'04		13593 Jun 03 11:08	0°99	
minimum elong	13592 Jun 10 21:21	0°915'45		evening rise	13593 Jun 06 07:55	4° <b>9</b> 27'47	
	13592 Jun 10 17:20	0ಂಣ		greatest brilliancy	13593 Jun 17 08:56	21° <b>©</b> 32'37	-0.8m
evening rise	13592 Jun 26 01:53	24°527'29		<i>8</i>	13593 Jun 23 03:21	$0^{\circ}\Omega$	
C	13592 Jun 29 12:05	$0^{\circ}\Omega$		asc. node	13593 Jun 25 14:54	3° <b>Ω</b> 20′03	
asc. node	13592 Jul 08 18:00	14° <b>Ω</b> 35'52		evening max el	13593 Jun 29 14:16	7° <b>Ω</b> 55'33	19°06'17
evening max el	13592 Jul 16 04:13	24° <b>Ω</b> 10'15	18°27'56	retrograde	13593 Jul 06 11:03	11° <b>Ω</b> 43′28	
retrograde	13592 Jul 22 14:54	27° <b>Ω</b> 37'59		evening set	13593 Jul 09 22:57	10° <b>Ω</b> 32'37	
evening set	13592 Jul 25 17:40	26° <b>Ω</b> 43'38		inferior conj	13593 Jul 15 10:06	4° <b>Ω</b> 45'26	3°01'43
inferior conj	13592 Jul 31 11:55	21° <b>Ω</b> 10′54	2°37'41	minimum elong	13593 Jul 15 11:28	4° <b>Ω</b> 41'01	3°00'39
minimum elong	13592 Jul 31 14:07	21° <b>Ω</b> 04'18	2°36'29	min. Earth dist.	13593 Jul 16 23:18	2° <b>Ω</b> 45'53	0.66699 AU
min. Earth dist.	13592 Aug 02 15:42	18° <b>Ω</b> 36′39	0.65039 AU		13593 Jul 19 07:07	30° <b>ℝ</b> ∽	
morning rise	13592 Aug 06 09:22	14° <b>Ω</b> 49'05		morning rise	13593 Jul 20 23:20	28° <b>5</b> 21'09	
desc. node	13592 Aug 10 19:04	12° <b>Ω</b> 25'45		direct	13593 Jul 27 03:16	25° <b>©</b> 41'53	
direct	13592 Aug 12 21:28	12° <b>Ω</b> 09'51		desc. node	13593 Jul 28 16:30	25° <b>©</b> 50'48	
morning max el	13592 Aug 26 09:29	20° <b>Ω</b> 05'53	27°12'23		13593 Aug 05 07:27	$0^{\circ}\Omega$	
	13592 Sep 03 21:22	0° <b>m</b> ∕		morning max el	13593 Aug 08 20:29	3° <b>Ω</b> 17′04	26°07'09
	13592 Sep 23 10:29	0∘ <b>⊽</b>			13593 Aug 29 03:54	0° <b>m</b>	
morning set	13592 Sep 30 21:22	13° <b>≏</b> 47'29		morning set	13593 Sep 13 19:49	26° M 30'25	
asc. node	13592 Oct 04 19:47	21° <b>≏</b> 37'15			13593 Sep 15 16:34	0∘ <b>ত</b>	
max. Earth dist.	13592 Oct 05 06:47	22° <b>ჲ</b> 33'25	1.33345 AU	max. Earth dist.	13593 Sep 17 14:48	3° <b>≏</b> 41'20	1.35107 AU
	13592 Oct 08 20:32	$0^{\circ}$ M		asc. node	13593 Sep 21 16:23	11° <b>≏</b> 43'54	
_							
superior conj	13592 Oct 09 06:06	0° <b>™</b> 50'44	0°41'02	superior conj	13593 Sep 23 02:04	14° <b>≏</b> 34'54	
minimum elong	13592 Oct 09 04:13	0° <b>M</b> 40'41	0°41'08	minimum elong	13593 Sep 23 01:19	14° <b>≏</b> 31'05	0°13'12
evening rise	13592 Oct 16 09:12	16°M06'45		behind sun begin	13593 Sep 22 21:50	14° <b>≏</b> 13'20	
	13592 Oct 23 05:52	0° <b>∡</b>		behind sun end	13593 Sep 23 04:48	14° <b>≏</b> 48'51	
evening max el	13592 Nov 06 09:57	20° <b>∡</b> ³38'32	22°06'13	evening rise	13593 Sep 30 17:39	0° <b>M</b> 27'49	
desc. node	13592 Nov 06 15:16	20° <b>∡</b> 51′27			13593 Sep 30 12:17	0° <b>™</b>	
retrograde	13592 Nov 19 01:41	26° <b>₹</b> '54'53			13593 Oct 18 05:59	0° <b>∡</b> 7	
evening set	13592 Nov 22 09:29	26° <b>∡</b> 30′23		evening max el	13593 Oct 19 07:21	1° <b>⋌</b> '05'56	20°36'05
min. Earth dist.	13592 Nov 30 15:49	22° <b>₹</b> ′50′08	0.54597 AU	desc. node	13593 Oct 24 12:38	5° <b>₹</b> 05'35	
inferior conj	13592 Dec 01 02:08	22° <b>⋌</b> 35'40		retrograde	13593 Oct 30 12:17	6° <b>₹</b> '40'08	
minimum elong	13592 Nov 30 21:51	22° <b>х</b> 41'41	5°49'29	evening set	13593 Nov 01 18:48	6° <b>₹</b> 27'26	40.5010.0
morning rise	13592 Dec 09 11:16	18° <b>∡</b> ¹48'24		inferior conj	13593 Nov 10 18:03	2° 🗷 32'47	
direct	13592 Dec 12 22:23	18° <b>×</b> <sup>7</sup> 21'46	21040127	minimum elong	13593 Nov 10 08:08	2° <b>×</b> <sup>7</sup> 47'05	4°50'17
morning max el	13592 Dec 25 01:28	24° <b>₹</b> 10'12	21°42'37	min. Earth dist.	13593 Nov 11 22:21	1° <b>∡</b> 751'55	0.54638 AU
1	13592 Dec 30 04:46	0°る			13593 Nov 15 09:12	30°₹M.	
asc. node	13592 Dec 31 20:15	2°る15'30 27°る31'46		morning rise	13593 Nov 18 21:16	28°M35'09	
morning set	13593 Jan 14 17:05 13593 Jan 15 21:14	27 <b>⊘</b> 31 40 0° <b>≈</b>		direct	13593 Nov 23 07:01 13593 Nov 30 19:13	27°M53'30 0°⊀	
	15595 Jan 15 21.14	0 🗢		morning max el	13593 Nov 30 19:13 13593 Dec 06 13:58	4° <b>∡</b> ¹21'34	22°20'07
superior conj	13593 Jan 21 21:08	12° <b>≈</b> 41'30	1°24'06	asc. node	13593 Dec 10 13:38 13593 Dec 18 17:22	20° <b>x</b> 13'17	23 2907
minimum elong	13593 Jan 21 23:19	12 ≈41 30 12°≈52'56	1°24'42	asc. Houe	13593 Dec 18 17.22 13593 Dec 24 04:17	20 <b>ズ</b> ・13 17	
max. Earth dist.	13593 Jan 26 03:47	21° <b>≈</b> 28'39	1.34710 AU	morning set	13593 Dec 30 04:49	12°る17'53	
evening rise	13593 Jan 30 08:53	29° <b>≈</b> 43'27	1.54/10/10	morning set	15575 Dec 50 04.47	12 017 33	
e vening rise	13593 Jan 30 12:21	0° <b>∀</b>		superior conj	13594 Jan 06 01:57	27° <b>る</b> 12'20	1°34'17
desc. node	13593 Feb 02 14:52	5° <b>¥</b> 46'51		minimum elong	13594 Jan 06 03:10	27° <b>る</b> 12'58	1°35'11
	13593 Feb 17 08:06	0° <b>Υ</b>			13594 Jan 07 09:06	0° <b>≈</b>	- *
evening max el	13593 Mar 06 12:32	21° <b>Y</b> ′29'33	26°45'13	max. Earth dist.	13594 Jan 08 23:20		1.33109 AU
retrograde	13593 Mar 19 16:55	28° <b>Y</b> ′54'03	- 2	evening rise	13594 Jan 13 19:42	13° <b>≈</b> 21'23	
evening set	13593 Mar 26 03:28	26° <b>Y</b> ′21'56		desc. node	13594 Jan 20 11:33	25° <b>≈</b> 59'33	
asc. node	13593 Mar 29 17:09	22° <b>Y</b> ′51'30			13594 Jan 22 17:53	0° <b>∀</b>	
min. Earth dist.	13593 Mar 30 04:01	22° <b>Y</b> ′20'26	0.66185 AU		13594 Feb 12 09:11	0° <b>Υ</b>	
inferior conj	13593 Apr 01 04:25	19° <b>Ƴ</b> 57'51	0°46'26	evening max el	13594 Feb 17 01:53	4° <b>Υ</b> 57'52	27°23'19
minimum elong	13593 Apr 01 03:15	20° <b>Y</b> ′01′20	0°45'45	retrograde	13594 Mar 02 16:52	12° <b>Y</b> °25'03	
morning rise	13593 Apr 07 04:14	14° <b>Ƴ</b> 19'42		evening set	13594 Mar 09 11:07	9° <b>Y</b> ′55'29	
direct	13593 Apr 10 02:52	13° <b>Ƴ</b> 31'47		min. Earth dist.	13594 Mar 13 07:25	6° <b>Y</b> 25′50	0.64499 AU
morning max el	13593 Apr 16 12:25	16° <b>Ƴ</b> 54'15	18°14'30	inferior conj	13594 Mar 15 19:36	3° <b>Y</b> 44'35	-0°15'20
-	13593 Apr 26 08:53	$0^{\circ}$ 8		minimum elong	13594 Mar 15 20:03	3° <b>Y</b> 43'21	0°15'06
desc. node	13593 May 01 17:13	8° <b>8</b> 24'47		transit middle	13594 Mar 15 20:03	3° <b>Y</b> 43'21	0°15'06
morning set	13593 May 05 22:35	15° <b>8</b> 10'12		transit begin	13594 Mar 15 19:03	3° <b>Y</b> 46'04	
	13593 May 15 06:15	$\Pi^{\circ}0$		transit end	13594 Mar 15 21:04	3° <b>Y</b> 40'38	
				asc. node	13594 Mar 16 14:36	2° <b>Y</b> 53'54	
superior conj	13593 May 21 07:04	9°Ⅱ28'45			13594 Mar 19 15:45	30° <b>₹</b> ₩	
minimum elong	13593 May 20 22:51	8° <b>Ⅱ</b> 56'38	1°58'32	morning rise	13594 Mar 22 06:57	28° <b>∺</b> 20′10	
max. Earth dist.	13593 May 22 19:37	11° <b>Ⅱ</b> 51'37	1.45839 AU	direct	13594 Mar 24 20:43	27° <b>)</b> 46′05	

	13594 Mar 30 01:15	0°Υ			13595 Mar 25 10:37	0° <b>Υ</b>	
morning max el	13594 Mar 31 05:19	1° <b>Υ</b> 03'16	17°51'52	morning set	13595 Mar 30 22:04	9° <b>Υ</b> 31'49	
morning set	13594 Apr 17 10:21	26° <b>Y</b> 47'10	1, 3132	desc. node	13595 Apr 05 10:23	19° <b>Υ</b> '09'28	
desc. node	13594 Apr 18 13:51	28° <b>Y</b> '42'09					
	13594 Apr 19 08:31	0°8		superior conj	13595 Apr 11 16:34	29° <b>Y</b> 47'38	-0°47'37
	1	_		minimum elong	13595 Apr 11 11:53	29° <b>Y</b> ′28'07	
superior conj	13594 May 01 00:57	19° <b>8</b> 07'08	-1°26'48		13595 Apr 11 19:32	0°8	
minimum elong	13594 Apr 30 16:28	18° <b>8</b> 33'10	1°26'33	max. Earth dist.	13595 Apr 18 09:05	10° <b>8</b> 44'38	1.44112 AU
max. Earth dist.	13594 May 05 15:45	26° <b>8</b> 26'51	1.45323 AU	evening rise	13595 Apr 26 10:18	23° <b>8</b> 25'06	
	13594 May 07 22:04	$\Pi$ °0			13595 Apr 30 17:32	$\Pi$ °0	
evening rise	13594 May 16 21:42	13° <b>Ⅱ</b> 53'58			13595 May 21 20:33	$0$ $\circ$ $\mathfrak{s}$	
	13594 May 27 13:08	$0$ $\circ$ $\infty$		evening max el	13595 May 26 17:47	5° <b>©</b> 32'46	21°08'02
greatest brilliancy	13594 May 31 19:31	6° <b>©</b> 16'27	-0.6m	asc. node	13595 May 30 08:58	8° <b>©</b> 40'53	
asc. node	13594 Jun 12 11:53	21° <b>©</b> 25'53		retrograde	13595 Jun 04 08:30	10° <b>©</b> 33'44	
evening max el	13594 Jun 12 19:00	21°5643'56	20°00'26	evening set	13595 Jun 08 16:24	8°5549'18	
retrograde	13594 Jun 20 09:38	26°503'53		inferior conj	13595 Jun 13 22:20	2°937'16	3°09'45
evening set	13594 Jun 24 07:12	24°936'04	2011111	minimum elong	13595 Jun 13 21:41	2°539'30	3°08'39
inferior conj	13594 Jun 29 14:22	18°535'38	3°11'44	min. Earth dist.	13595 Jun 14 07:33	2°505'10	0.68661 AU
minimum elong	13594 Jun 29 14:43 13594 Jun 30 13:13	18°534'28	3°10'42		13595 Jun 15 20:19 13595 Jun 19 02:44	30°ŖⅡ 26°Ⅱ19'17	
min. Earth dist. morning rise	13594 Jul 04 21:54	17°©18'18 12°©13'12	0.67918 AU	morning rise direct	13595 Jun 19 02:44 13595 Jun 24 07:19	26°Щ19'17 24°Щ03'24	
direct	13594 Jul 10 14:53	9° <b>©</b> 42'29		desc. node	13595 Jul 02 11:04	28° <b>I</b> 106'52	
desc. node	13594 Jul 15 13:51	11°S13'26		desc. Hode	13595 Jul 02 11:04 13595 Jul 04 11:23	0°95	
morning max el	13594 Jul 22 06:56		24°45'02	morning max el	13595 Jul 04 17:40	0°9515'44	23°15'47
morning max cr	13594 Aug 02 08:02	0°Ω	24 43 02	morning max cr	13595 Jul 27 03:52	0°Ω	25 15 47
	13594 Aug 22 03:12	0° mp		morning set	13595 Aug 08 09:08	19° <b>Ω</b> 25'13	
morning set	13594 Aug 27 01:15	8° Mp 26'26		max. Earth dist.	13595 Aug 12 13:12	26°Ω30'15	1.39611 AU
max. Earth dist.	13594 Aug 30 15:05	14° <b>m</b> ) 51'04	1.37266 AU		13595 Aug 14 13:17	0° m)	
	Č	•			Č	•	
superior conj	13594 Sep 06 11:28	27° <b>m</b> 47'11	-0°19'05	superior conj	13595 Aug 20 06:31	10° <b>m</b> 19'00	-0°53'58
minimum elong	13594 Sep 06 12:44	27° <b>m</b> 53'21	0°19'00	minimum elong	13595 Aug 20 10:29	10°M 37'21	0°53'45
	13594 Sep 07 14:36	0∘ <b>⊽</b>		asc. node	13595 Aug 26 09:30	21° <b>m</b> 52'47	
asc. node	13594 Sep 08 12:56	1° <b>≏</b> 50'10		evening rise	13595 Aug 29 17:45	28° <b>m</b> 19'20	
evening rise	13594 Sep 14 21:27	14° <b>≏</b> 34'24			13595 Aug 30 14:41	0∘ <b>⊽</b>	
	13594 Sep 22 23:29	0° <b>M</b>		evening max el	13595 Sep 14 19:00	24° <b>≙</b> 20'10	18°37'42
evening max el	13594 Oct 01 18:51	12°M19'04	19°25'55	retrograde	13595 Sep 22 21:39	28° <b>≏</b> 25'26	
retrograde	13594 Oct 11 08:07	17°M05'49		evening set	13595 Sep 24 20:10	28° <b>♀</b> 12'12	
desc. node	13594 Oct 11 10:06	17°M05'48		desc. node	13595 Sep 28 07:35	26° <b>Ω</b> 49'09	1005140
evening set inferior conj	13594 Oct 13 04:55	16°M55'39 12°M48'26	2914140	inferior conj	13595 Oct 02 19:41	23° <b>£</b> 45'48 23° <b>£</b> 52'21	-1°25′48 1°24′04
minimum elong	13594 Oct 21 20:50 13594 Oct 21 12:35	12 1148 20 13°M01'47		minimum elong min. Earth dist.	13595 Oct 02 16:13 13595 Oct 05 23:43	23 <b>≥</b> 32 21 21° <b>≥</b> 23'04	0.57296 AU
min. Earth dist.	13594 Oct 24 08:02	11°M12'50	0.55595 AU	morning rise	13595 Oct 05 23:43 13595 Oct 10 08:48	21 <b>≥</b> 23 04 18° <b>♀</b> 40'50	0.37290 AO
morning rise	13594 Oct 29 18:06	8°M21'18	0.55575710	direct	13595 Oct 16 07:59	17° <b>⊆</b> 12'24	
direct	13594 Nov 04 00:18	7°M19'03		morning max el	13595 Oct 30 14:46	24° <b>Ω</b> 40'59	26°44'54
morning max el	13594 Nov 17 23:51	14°M20'32	25°16'09		13595 Nov 04 12:29	0°M₊	
C	13594 Nov 30 08:07	0° <b>∡</b> ¹		asc. node	13595 Nov 22 11:16	28°ML03'37	
asc. node	13594 Dec 05 14:22	8° <b>∡</b> 52'54			13595 Nov 23 11:20	0° <b>∡</b> ¹	
morning set	13594 Dec 14 16:32	26° <b>₹</b> 59'58		morning set	13595 Nov 29 02:31	11° <b>∡</b> "33′29	
	13594 Dec 16 01:48	0°ප					
				superior conj	13595 Dec 05 22:14	26° <b>∡</b> ³35′13	1°35'55
superior conj	13594 Dec 21 11:00		1°38'07	minimum elong	13595 Dec 05 21:19	26° <b>х</b> 30′09	1°36'56
minimum elong	13594 Dec 21 11:08	11° <b>る</b> 52'54		max. Earth dist.	13595 Dec 06 09:06		1.31327 AU
max. Earth dist.	13594 Dec 23 01:57	15° <b>♂</b> 26'31	1.31969 AU		13595 Dec 07 10:59	0°る	
evening rise	13594 Dec 28 15:57	27° <b>る</b> 21'36		evening rise	13595 Dec 12 19:03	11°る37'57	
JJ.	13594 Dec 29 22:55	0° <b>≈</b> 15° <b>≈</b> 53'40		11-	13595 Dec 22 03:20	0° <b>≈</b> 5° <b>≈</b> 21'51	
desc. node	13595 Jan 07 08:17 13595 Jan 16 00:58	13 ≈33 40 0° <b>∺</b>		desc. node	13595 Dec 25 05:08 13596 Jan 12 14:05	3 ≈2131 0° <b>X</b>	
evening max el	13595 Jan 30 12:39	17° <b>¥</b> 55'23	27°33'12	evening max el	13596 Jan 12 18:29	0° <b>)</b> 10′30	27°00'53
retrograde	13595 Feb 13 09:25	25° <b>H</b> 18'37	21 33 12	retrograde	13596 Jan 26 17:44	7° <b>¥</b> 25'44	21 07 33
evening set	13595 Feb 20 07:18	22° <b>X</b> 58'51		evening set	13596 Feb 02 12:52	5° <b>¥</b> 24'03	
min. Earth dist.	13595 Feb 24 01:21		0.62513 AU	min. Earth dist.	13596 Feb 06 08:55	2° <b>)</b> (40'53	0.60348 AU
inferior conj	13595 Feb 26 23:38	17° <b>)</b> (08'31		inferior conj	13596 Feb 09 13:07	0° <b>)</b> (01'01	
minimum elong	13595 Feb 27 02:38	17° <b>∺</b> 01′20		minimum elong	13596 Feb 09 19:14	29° <b>≈</b> 48'07	2°46'58
asc. node	13595 Mar 03 12:05	13° <b>)</b> 18′20		3	13596 Feb 09 13:35	30° <b>R</b> ≈	
morning rise	13595 Mar 06 00:40	12° <b>∺</b> 00'51		morning rise	13596 Feb 17 04:46	25° <b>≈</b> 12'55	
direct	13595 Mar 08 07:11	11° <b>)</b> 37′08		asc. node	13596 Feb 18 09:32	24° <b>≈</b> 59′00	
morning max el	13595 Mar 14 22:56	14° <b>¥</b> 59'59	17°46'46	direct	13596 Feb 19 06:27	24° <b>≈</b> 55'57	

morning max el	13596 Feb 26 13:54	28° <b>≈</b> 35'10	18°00'06	inferior conj	13597 Jan 21 08:29	12° <b>≈</b> 12'48	-4°13'04
S	13596 Feb 27 21:59	0° <b>∀</b>		minimum elong	13597 Jan 21 17:05	11° <b>≈</b> 57'06	4°09'37
morning set	13596 Mar 13 03:38	23° <b>)</b> €05'43		morning rise	13597 Jan 29 13:11	7° <b>≈</b> 46'09	
	13596 Mar 16 21:40	$0^{\circ}$ Y		direct	13597 Jan 31 14:17	7° <b>≈</b> 32'16	
desc. node	13596 Mar 22 06:51	9° <b>Y</b> 42'48		asc. node	13597 Feb 04 06:56	8° <b>≈</b> 20'08	
				morning max el	13597 Feb 08 22:22	11° <b>≈</b> 37'59	18°33'31
superior conj	13596 Mar 23 08:12	11° <b>Y</b> ′34'42	-0°08'24		13597 Feb 21 02:41	0° <b>∀</b>	
minimum elong	13596 Mar 23 07:29	11° <b>Y</b> ′31'34	0°08'23	morning set	13597 Feb 24 21:46	7° <b>¥</b> 13'36	
behind sun begin	13596 Mar 23 00:39	11° <b>Y</b> ′01'28					
behind sun end	13596 Mar 23 14:19	12° <b>Y</b> ′01'36		superior conj	13597 Mar 05 20:46	24° <b>) 1</b> 9′18	0°26'14
max. Earth dist.	13596 Mar 30 21:45	24° <b>Y</b> 30'03	1.42345 AU	minimum elong	13597 Mar 05 22:31	24° <b>)</b> €27'28	0°26'09
	13596 Apr 03 06:20	$0^{\circ}S$			13597 Mar 08 23:08	$0^{\circ}$ Y	
evening rise	13596 Apr 05 12:08	3° <b>8</b> 35'55		desc. node	13597 Mar 09 03:20	0° <b>Υ</b> 18'57	
	13596 Apr 23 01:52	$\Pi$ °0		max. Earth dist.	13597 Mar 13 06:06	7° <b>Ƴ</b> 35'42	1.40219 AU
evening max el	13596 May 08 11:28	19° <b>Ⅲ</b> 22'03	22°25'08	evening rise	13597 Mar 17 10:32	14° <b>Y</b> '42'30	
asc. node	13596 May 16 06:10	24° <b>Ⅱ</b> 49'02			13597 Mar 27 00:25	0° <b>8</b>	
retrograde	13596 May 18 05:56	25° <b>Ⅱ</b> 07'10			13597 Apr 18 01:06	0°Щ	
evening set	13596 May 23 00:51	23° <b>Ⅱ</b> 07'17		evening max el	13597 Apr 21 02:11	3° <b>Ⅱ</b> 13'56	23°46'09
inferior conj	13596 May 28 07:51	16° <b>Ⅱ</b> 45'47		retrograde	13597 May 02 00:30	9° <b>∏</b> 39'26	
minimum elong	13596 May 28 06:23		2°55'46	asc. node	13597 May 03 03:28	9° <b>∏</b> 33'45	
min. Earth dist.	13596 May 28 04:06	16° <b>Ⅱ</b> 58'52	0.68931 AU	evening set	13597 May 07 06:58	7° <b>Ⅱ</b> 26'00	0.60730.441
morning rise	13596 Jun 02 11:47	10°Ⅲ34'04 8°Ⅲ36'54		min. Earth dist.	13597 May 12 00:44 13597 May 12 17:05	1° <b>П</b> 53'57 0° <b>П</b> 58'02	
direct morning max el	13596 Jun 07 03:35 13596 Jun 16 07:05	8°Щ36′54 13°Щ57′11	21949!14	inferior conj	13597 May 12 17:05 13597 May 12 15:04	0°Щ58′02 1°Щ04′54	
desc. node	13596 Jun 18 08:09	13 <b>Д</b> 3/11 16° <b>Д</b> 06'57	21 46 14	minimum elong	13597 May 12 13:04 13597 May 13 10:08	30°R <b>႘</b>	2 32 39
desc. node	13596 Jun 29 03:56	10 <b>п</b> 00 37		morning rise	13597 May 17 10:08 13597 May 17 23:09	24° <b>8</b> 53'55	
morning set	13596 Jul 18 16:01	29° <b>©</b> 17'56		direct	13597 May 17 23:09 13597 May 22 02:26	24 <b>8</b> 33 33	
morning set	13596 Jul 19 02:34	0°Ω		morning max el	13597 May 22 02:20 13597 May 30 02:19	27° <b>8</b> 49'23	20°29'37
max. Earth dist.	13596 Jul 24 14:48	8° <b>Ω</b> 57'42	1.41877 AU	morning max er	13597 Jun 01 03:40	0°Ⅱ	20 27 37
max. Darm dist.	13370 341 21 11.10	0 0007 12	1.110//110	desc. node	13597 Jun 05 05:06	4° <b>∏</b> 56'00	
superior conj	13596 Aug 01 06:43	21° <b>Ω</b> 59'45	-1°28'16	dese. Hode	13597 Jun 22 15:46	0°95	
minimum elong	13596 Aug 01 13:16	22°Ω28'24		morning set	13597 Jun 28 00:53	8° <b>©</b> 14'14	
	13596 Aug 05 19:01	0° m)		max. Earth dist.	13597 Jul 06 23:14	22°5518'10	1.43795 AU
evening rise	13596 Aug 12 02:46	11° <b>m</b> )32'14			13597 Jul 11 16:59	$0^{\circ}\Omega$	
asc. node	13596 Aug 12 06:05	11° <b>m</b> )47'29					
	13596 Aug 22 16:45	0∘ <del>⊽</del>		superior conj	13597 Jul 13 08:14	2° <b>Ω</b> 41'56	-1°56'43
evening max el	13596 Aug 28 03:53	7° <b>≙</b> 00'34	18°10'28	minimum elong	13597 Jul 13 15:11	3° <b>Ω</b> 10'49	1°57'08
retrograde							
	13596 Sep 04 05:49	10° <b>≏</b> 36'52		evening rise	13597 Jul 25 19:51	24° <b>Ω</b> 01'52	
evening set	13596 Sep 04 05:49 13596 Sep 06 11:05	10° <b>≙</b> 36'52 10° <b>≙</b> 16'08		evening rise	13597 Jul 25 19:51 13597 Jul 29 05:56	24° <b>Ω</b> 01'52 0° <b>™</b>	
evening set inferior conj	•		0°10'02	evening rise asc. node			
•	13596 Sep 06 11:05	10° <b>≏</b> 16′08	0°10'02 0°09'53	-	13597 Jul 29 05:56	0° <b>m</b>	18°02'47
inferior conj	13596 Sep 06 11:05 13596 Sep 13 16:10	10° <b>£</b> 16′08 5° <b>£</b> 29′02		asc. node	13597 Jul 29 05:56 13597 Jul 30 02:45	0° <b>т</b> ) 1° <b>т</b> )30'16	18°02'47
inferior conj minimum elong	13596 Sep 06 11:05 13596 Sep 13 16:10 13596 Sep 13 16:30	10° <b>£</b> 16'08 5° <b>£</b> 29'02 5° <b>£</b> 28'17	0°09'53	asc. node evening max el	13597 Jul 29 05:56 13597 Jul 30 02:45 13597 Aug 11 17:22	0° My 1° My 30'16 20° My 10'16	18°02'47
inferior conj minimum elong transit middle	13596 Sep 06 11:05 13596 Sep 13 16:10 13596 Sep 13 16:30 13596 Sep 13 16:30	10° <b>£</b> 16′08 5° <b>£</b> 29′02 5° <b>£</b> 28′17 5° <b>£</b> 28′17	0°09'53	asc. node evening max el retrograde	13597 Jul 29 05:56 13597 Jul 30 02:45 13597 Aug 11 17:22 13597 Aug 18 05:29	0° m/ 1° m/30'16 20° m/10'16 23° m/32'08	18°02'47 1°24'05
inferior conj minimum elong transit middle transit begin transit end desc. node	13596 Sep 06 11:05 13596 Sep 13 16:10 13596 Sep 13 16:30 13596 Sep 13 16:30 13596 Sep 13 13:48 13596 Sep 13 19:12 13596 Sep 14 05:08	10° <b>Ω</b> 16'08 5° <b>Ω</b> 29'02 5° <b>Ω</b> 28'17 5° <b>Ω</b> 28'17 5° <b>Ω</b> 34'13	0°09'53	asc. node evening max el retrograde evening set inferior conj minimum elong	13597 Jul 29 05:56 13597 Jul 30 02:45 13597 Aug 11 17:22 13597 Aug 18 05:29 13597 Aug 20 18:54	0° m/ 1° m/30'16 20° m/10'16 23° m/32'08 23° m/00'16 17° m/53'37 17° m/48'08	
inferior conj minimum elong transit middle transit begin transit end desc. node min. Earth dist.	13596 Sep 06 11:05 13596 Sep 13 16:10 13596 Sep 13 16:30 13596 Sep 13 16:30 13596 Sep 13 13:48 13596 Sep 13 19:12 13596 Sep 14 05:08 13596 Sep 16 23:08	10° <b>Ω</b> 16'08 5° <b>Ω</b> 29'02 5° <b>Ω</b> 28'17 5° <b>Ω</b> 28'17 5° <b>Ω</b> 34'13 5° <b>Ω</b> 22'21	0°09'53	asc. node evening max el retrograde evening set inferior conj minimum elong min. Earth dist.	13597 Jul 29 05:56 13597 Jul 30 02:45 13597 Aug 11 17:22 13597 Aug 18 05:29 13597 Aug 20 18:54 13597 Aug 27 07:36 13597 Aug 27 09:46 13597 Aug 30 07:35	0° my 1° my 30'16 20° my 10'16 23° my 32'08 23° my 00'16 17° my 53'37 17° my 48'08 14° my 52'59	1°24'05
inferior conj minimum elong transit middle transit begin transit end desc. node	13596 Sep 06 11:05 13596 Sep 13 16:10 13596 Sep 13 16:30 13596 Sep 13 16:30 13596 Sep 13 13:48 13596 Sep 13 19:12 13596 Sep 14 05:08 13596 Sep 16 23:08 13596 Sep 20 18:32	10°№16'08 5°№29'02 5°№28'17 5°№28'17 5°№34'13 5°№22'21 5°№00'22 2°№36'24 29°№50'22	0°09'53 0°09'53	asc. node evening max el retrograde evening set inferior conj minimum elong min. Earth dist. desc. node	13597 Jul 29 05:56 13597 Jul 30 02:45 13597 Aug 11 17:22 13597 Aug 18 05:29 13597 Aug 20 18:54 13597 Aug 27 07:36 13597 Aug 27 09:46 13597 Aug 30 07:35 13597 Sep 01 02:39	0° my 1° my 30'16 20° my 10'16 23° my 32'08 23° my 00'16 17° my 48'08 14° my 52'59 13° my 14'54	1°24'05 1°23'01
inferior conj minimum elong transit middle transit begin transit end desc. node min. Earth dist. morning rise	13596 Sep 06 11:05 13596 Sep 13 16:10 13596 Sep 13 16:30 13596 Sep 13 13:48 13596 Sep 13 19:12 13596 Sep 14 05:08 13596 Sep 16 23:08 13596 Sep 20 18:32 13596 Sep 20 12:08	10° № 16'08 5° № 29'02 5° № 28'17 5° № 34'13 5° № 22'21 5° № 00'22 2° № 36'24 29° № 50'22 30° R №	0°09'53 0°09'53	asc. node evening max el retrograde evening set inferior conj minimum elong min. Earth dist. desc. node morning rise	13597 Jul 29 05:56 13597 Jul 30 02:45 13597 Aug 11 17:22 13597 Aug 18 05:29 13597 Aug 20 18:54 13597 Aug 27 07:36 13597 Aug 27 09:46 13597 Aug 30 07:35 13597 Sep 01 02:39 13597 Sep 02 22:06	0° my 1° my 30'16 20° my 10'16 23° my 32'08 23° my 00'16 17° my 53'37 17° my 48'08 14° my 52'59 13° my 14'54 11° my 50'45	1°24'05 1°23'01
inferior conj minimum elong transit middle transit begin transit end desc. node min. Earth dist.	13596 Sep 06 11:05 13596 Sep 13 16:10 13596 Sep 13 16:30 13596 Sep 13 13:48 13596 Sep 13 19:12 13596 Sep 14 05:08 13596 Sep 16 23:08 13596 Sep 20 18:32 13596 Sep 20 12:08 13596 Sep 27 05:31	10° \( \Omega 16'08 \) 5° \( \Omega 29'02 \) 5° \( \Omega 28'17 \) 5° \( \Omega 28'17 \) 5° \( \Omega 34'13 \) 5° \( \Omega 22'21 \) 5° \( \Omega 00'22 \) 2° \( \Omega 36'24 \) 29° \( \Omega 50'22 \) 30° \( \Omega \) 27° \( \Omega 54'19 \)	0°09'53 0°09'53	asc. node evening max el retrograde evening set inferior conj minimum elong min. Earth dist. desc. node morning rise direct	13597 Jul 29 05:56 13597 Jul 30 02:45 13597 Aug 11 17:22 13597 Aug 18 05:29 13597 Aug 20 18:54 13597 Aug 27 07:36 13597 Aug 27 09:46 13597 Aug 30 07:35 13597 Sep 01 02:39 13597 Sep 02 22:06 13597 Sep 09 14:14	0° my 1° my 30'16 20° my 10'16 23° my 32'08 23° my 00'16 17° my 53'37 17° my 48'08 14° my 52'59 13° my 14'54 11° my 50'45 9° my 31'30	1°24'05 1°23'01 0.61746 AU
inferior conj minimum elong transit middle transit begin transit end desc. node min. Earth dist. morning rise	13596 Sep 06 11:05 13596 Sep 13 16:10 13596 Sep 13 16:30 13596 Sep 13 13:48 13596 Sep 13 19:12 13596 Sep 14 05:08 13596 Sep 16 23:08 13596 Sep 20 18:32 13596 Sep 20 12:08 13596 Sep 27 05:31 13596 Oct 04 06:55	10° \( \Omega 16'08 \) 5° \( \Omega 29'02 \) 5° \( \Omega 28'17 \) 5° \( \Omega 28'17 \) 5° \( \Omega 28'17 \) 5° \( \Omega 22'21 \) 5° \( \Omega 00'22 \) 2° \( \Omega 36'24 \) 29° \( \Omega 50'22 \) 30° \( \Omega \) 27° \( \Omega 54'19 \) 0° \( \Omega \)	0°09'53 0°09'53 0.59452 AU	asc. node evening max el retrograde evening set inferior conj minimum elong min. Earth dist. desc. node morning rise	13597 Jul 29 05:56 13597 Jul 30 02:45 13597 Aug 11 17:22 13597 Aug 18 05:29 13597 Aug 20 18:54 13597 Aug 27 07:36 13597 Aug 27 09:46 13597 Aug 30 07:35 13597 Sep 01 02:39 13597 Sep 02 22:06 13597 Sep 09 14:14 13597 Sep 23 18:12	0° my 1° my 30'16 20° my 10'16 23° my 32'08 23° my 00'16 17° my 53'37 17° my 48'08 14° my 52'59 13° my 14'54 11° my 50'45 9° my 31'30 17° my 30'10	1°24'05 1°23'01 0.61746 AU
inferior conj minimum elong transit middle transit begin transit end desc. node min. Earth dist. morning rise	13596 Sep 06 11:05 13596 Sep 13 16:30 13596 Sep 13 16:30 13596 Sep 13 13:48 13596 Sep 13 19:12 13596 Sep 14 05:08 13596 Sep 16 23:08 13596 Sep 20 18:32 13596 Sep 20 12:08 13596 Sep 27 05:31 13596 Oct 04 06:55 13596 Oct 11 13:09	10° \( \Omega \) 16'08 5° \( \Omega \) 29'02 5° \( \Omega \) 28'17 5° \( \Omega \) 28'17 5° \( \Omega \) 34'13 5° \( \Omega \) 22'21 5° \( \Omega \) 00'22 2° \( \Omega \) 36'24 29° \( \Omega \) 50'22 30° \( \Omega \) 70'\( \Omega \) 4'19 0° \( \Omega \) 5° \( \Omega \) 42'15	0°09'53 0°09'53 0.59452 AU	asc. node evening max el retrograde evening set inferior conj minimum elong min. Earth dist. desc. node morning rise direct	13597 Jul 29 05:56 13597 Jul 30 02:45 13597 Aug 11 17:22 13597 Aug 18 05:29 13597 Aug 20 18:54 13597 Aug 27 07:36 13597 Aug 27 09:46 13597 Aug 30 07:35 13597 Sep 01 02:39 13597 Sep 02 22:06 13597 Sep 09 14:14 13597 Sep 23 18:12 13597 Oct 04 04:25	0° my 1° my 30'16 20° my 10'16 23° my 32'08 23° my 00'16 17° my 53'37 17° my 48'08 14° my 52'59 13° my 14'54 11° my 50'45 9° my 31'30 17° my 30'10 0° Ω	1°24'05 1°23'01 0.61746 AU
inferior conj minimum elong transit middle transit begin transit end desc. node min. Earth dist. morning rise direct morning max el	13596 Sep 06 11:05 13596 Sep 13 16:30 13596 Sep 13 16:30 13596 Sep 13 13:48 13596 Sep 13 19:12 13596 Sep 14 05:08 13596 Sep 16 23:08 13596 Sep 20 12:08 13596 Sep 20 12:08 13596 Sep 27 05:31 13596 Oct 04 06:55 13596 Oct 11 13:09 13596 Oct 29 16:06	10° \overline{100} 5° \overline{120} 5° \overline{120} 28'17 5° \overline{120} 28'17 5° \overline{120} 34'13 5° \overline{120} 22'21 5° \overline{120} 20' \overline{120} 20' \overline{150} 27' \overline{150} 0° \overline{150} 5° \overline{120} 0° \overline{150} 0° \overline{150} 0° \overline{150} 0° \overline{150}	0°09'53 0°09'53 0.59452 AU	asc. node evening max el retrograde evening set inferior conj minimum elong min. Earth dist. desc. node morning rise direct morning max el	13597 Jul 29 05:56 13597 Jul 30 02:45 13597 Aug 11 17:22 13597 Aug 18 05:29 13597 Aug 20 18:54 13597 Aug 27 07:36 13597 Aug 27 09:46 13597 Aug 30 07:35 13597 Sep 01 02:39 13597 Sep 02 22:06 13597 Sep 02 14:14 13597 Sep 23 18:12 13597 Oct 04 04:25 13597 Oct 22 10:17	0° m 1° m 30'16 20° m 10'16 23° m 32'08 23° m 00'16 17° m 53'37 17° m 48'08 14° m 52'59 13° m 14'54 11° m 50'45 9° m 31'30 17° m 30'10 0° Ω 0° M	1°24'05 1°23'01 0.61746 AU
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inferior conj minimum elong transit middle transit begin transit end desc. node min. Earth dist. morning rise direct morning max el	13596 Sep 06 11:05 13596 Sep 13 16:30 13596 Sep 13 16:30 13596 Sep 13 13:48 13596 Sep 13 19:12 13596 Sep 14 05:08 13596 Sep 16 23:08 13596 Sep 20 18:32 13596 Sep 20 12:08 13596 Sep 27 05:31 13596 Oct 04 06:55 13596 Oct 11 13:09 13596 Oct 29 16:06 13596 Nov 08 08:03 13596 Nov 12 09:01	10° \( \Omega 16'08 \) 5° \( \Omega 29'02 \) 5° \( \Omega 28'17 \) 5° \( \Omega 28'17 \) 5° \( \Omega 28'17 \) 5° \( \Omega 22'21 \) 5° \( \Omega 00'22 \) 2° \( \Omega 36'24 \) 29° \( \Omega 50'22 \) 30° \( \Omega \) 27° \( \Omega 54'19 \) 0° \( \Omega \) 5° \( \Omega 42'15 \) 0° \( \Omega \) 17° \( \Omega 36'32 \) 25° \( \Omega 53'24 \)	0°09'53 0°09'53 0.59452 AU	asc. node evening max el retrograde evening set inferior conj minimum elong min. Earth dist. desc. node morning rise direct morning max el  asc. node morning set	13597 Jul 29 05:56 13597 Jul 30 02:45 13597 Aug 11 17:22 13597 Aug 18 05:29 13597 Aug 20 18:54 13597 Aug 27 07:36 13597 Aug 27 09:46 13597 Aug 30 07:35 13597 Sep 01 02:39 13597 Sep 02 22:06 13597 Sep 09 14:14 13597 Sep 09 14:14 13597 Oct 04 04:25 13597 Oct 22 10:17 13597 Oct 26 04:45 13597 Oct 27 10:01	0° m 1° m 30'16 20° m 10'16 23° m 32'08 23° m 00'16 17° m 53'37 17° m 48'08 14° m 52'59 13° m 14'54 11° m 50'45 9° m 31'30 17° m 30'10 0° a 0° m 7° m 25'17 9° m 54'41	1°24'05 1°23'01 0.61746 AU 27°58'30
inferior conj minimum elong transit middle transit begin transit end desc. node min. Earth dist. morning rise direct morning max el asc. node morning set	13596 Sep 06 11:05 13596 Sep 13 16:30 13596 Sep 13 16:30 13596 Sep 13 13:48 13596 Sep 13 19:12 13596 Sep 14 05:08 13596 Sep 16 23:08 13596 Sep 20 18:32 13596 Sep 20 12:08 13596 Sep 27 05:31 13596 Oct 04 06:55 13596 Oct 11 13:09 13596 Oct 29 16:06 13596 Nov 08 08:03 13596 Nov 12 09:01 13596 Nov 14 07:12	10° \( \Omega \) 16'08 5° \( \Omega \) 28'17 5° \( \Omega \) 28'17 5° \( \Omega \) 28'17 5° \( \Omega \) 34'13 5° \( \Omega \) 22'21 5° \( \Omega \) 00'22 2° \( \Omega \) 36'24 29° \( \Omega \) 50'22 30° \( \Omega \) 19 0° \( \Omega \) 5° \( \Omega \) 42'15 0° \( \Omega \) 17° \( \Omega \) 36'32 25° \( \Omega \) 53'24 0° \( \omega \)	0°09'53 0°09'53 0.59452 AU 27°41'03	asc. node evening max el retrograde evening set inferior conj minimum elong min. Earth dist. desc. node morning rise direct morning max el	13597 Jul 29 05:56 13597 Jul 30 02:45 13597 Aug 11 17:22 13597 Aug 18 05:29 13597 Aug 20 18:54 13597 Aug 27 07:36 13597 Aug 27 09:46 13597 Aug 30 07:35 13597 Sep 01 02:39 13597 Sep 02 22:06 13597 Sep 09 14:14 13597 Sep 23 18:12 13597 Oct 04 04:25 13597 Oct 22 10:17 13597 Oct 26 04:45	0° m 1° m 30'16 20° m 10'16 23° m 32'08 23° m 00'16 17° m 53'37 17° m 48'08 14° m 52'59 13° m 14'54 11° m 50'45 9° m 31'30 17° m 30'10 0° • 0° m 7° m 25'17	1°24'05 1°23'01 0.61746 AU
inferior conj minimum elong transit middle transit begin transit end desc. node min. Earth dist. morning rise direct morning max el asc. node	13596 Sep 06 11:05 13596 Sep 13 16:30 13596 Sep 13 16:30 13596 Sep 13 13:48 13596 Sep 13 19:12 13596 Sep 14 05:08 13596 Sep 16 23:08 13596 Sep 20 18:32 13596 Sep 20 12:08 13596 Sep 27 05:31 13596 Oct 04 06:55 13596 Oct 11 13:09 13596 Oct 29 16:06 13596 Nov 08 08:03 13596 Nov 12 09:01	10° \( \Omega 16'08 \) 5° \( \Omega 29'02 \) 5° \( \Omega 28'17 \) 5° \( \Omega 28'17 \) 5° \( \Omega 28'17 \) 5° \( \Omega 22'21 \) 5° \( \Omega 00'22 \) 2° \( \Omega 36'24 \) 29° \( \Omega 50'22 \) 30° \( \Omega \) 27° \( \Omega 54'19 \) 0° \( \Omega \) 5° \( \Omega 42'15 \) 0° \( \Omega \) 17° \( \Omega 36'32 \) 25° \( \Omega 53'24 \)	0°09'53 0°09'53 0.59452 AU	asc. node evening max el retrograde evening set inferior conj minimum elong min. Earth dist. desc. node morning rise direct morning max el  asc. node morning set max. Earth dist.	13597 Jul 29 05:56 13597 Jul 30 02:45 13597 Aug 11 17:22 13597 Aug 18 05:29 13597 Aug 20 18:54 13597 Aug 27 07:36 13597 Aug 27 09:46 13597 Aug 30 07:35 13597 Sep 01 02:39 13597 Sep 02 22:06 13597 Sep 09 14:14 13597 Sep 23 18:12 13597 Oct 24 04:25 13597 Oct 26 04:45 13597 Oct 27 10:01 13597 Nov 01 23:00	0° m 1° m 30'16 20° m 10'16 23° m 32'08 23° m 00'16 17° m 53'37 17° m 48'08 14° m 52'59 13° m 14'54 11° m 50'45 9° m 31'30 17° m 30'10 0° Ω 0° m 7° m 25'17 9° m 54'41 21° m 42'05	1°24'05 1°23'01 0.61746 AU 27°58'30
inferior conj minimum elong transit middle transit begin transit end desc. node min. Earth dist. morning rise direct morning max el asc. node morning set max. Earth dist.	13596 Sep 06 11:05 13596 Sep 13 16:30 13596 Sep 13 16:30 13596 Sep 13 13:48 13596 Sep 13 19:12 13596 Sep 14 05:08 13596 Sep 16 23:08 13596 Sep 20 18:32 13596 Sep 20 12:08 13596 Sep 27 05:31 13596 Oct 04 06:55 13596 Oct 04 06:55 13596 Oct 11 13:09 13596 Oct 29 16:06 13596 Nov 08 08:03 13596 Nov 12 09:01 13596 Nov 14 07:12 13596 Nov 18 17:20	10° № 16'08 5° № 29'02 5° № 28'17 5° № 34'13 5° № 22'21 5° № 00'22 2° № 50'22 30° R № 27° № 54'19 0° № 17° № 36'32 25° № 53'24 0° № 9° № 43'57	0°09'53 0°09'53 0.59452 AU 27°41'03	asc. node evening max el retrograde evening set inferior conj minimum elong min. Earth dist. desc. node morning rise direct morning max el  asc. node morning set max. Earth dist.	13597 Jul 29 05:56 13597 Jul 30 02:45 13597 Aug 11 17:22 13597 Aug 18 05:29 13597 Aug 20 18:54 13597 Aug 27 07:36 13597 Aug 27 09:46 13597 Aug 30 07:35 13597 Sep 01 02:39 13597 Sep 02 22:06 13597 Sep 09 14:14 13597 Sep 23 18:12 13597 Oct 26 04:45 13597 Oct 27 10:01 13597 Nov 01 23:00	0° m 1° m 30'16 20° m 10'16 23° m 32'08 23° m 00'16 17° m 53'37 17° m 48'08 14° m 52'59 13° m 14'54 11° m 50'45 9° m 31'30 17° m 30'10 0° Ω 0° m 7° m 25'17 9° m 54'41 21° m 42'05	1°24'05 1°23'01 0.61746 AU 27°58'30 1.31613 AU 1°14'10
inferior conj minimum elong transit middle transit begin transit end desc. node min. Earth dist. morning rise direct morning max el asc. node morning set max. Earth dist.	13596 Sep 06 11:05 13596 Sep 13 16:30 13596 Sep 13 16:30 13596 Sep 13 13:48 13596 Sep 13 19:12 13596 Sep 14 05:08 13596 Sep 16 23:08 13596 Sep 20 12:08 13596 Sep 20 12:08 13596 Sep 27 05:31 13596 Oct 04 06:55 13596 Oct 11 13:09 13596 Oct 29 16:06 13596 Nov 18 08:03 13596 Nov 14 07:12 13596 Nov 18 17:20	10° № 16'08 5° № 29'02 5° № 28'17 5° № 34'13 5° № 22'21 5° № 00'22 2° № 50'22 30° № 10 27° № 54'19 0° № 17° № 36'32 25° № 53'24 0° № 9° № 43'57	0°09'53 0°09'53 0.59452 AU 27°41'03 1.31203 AU 1°27'55	asc. node evening max el retrograde evening set inferior conj minimum elong min. Earth dist. desc. node morning rise direct morning max el  asc. node morning set max. Earth dist.	13597 Jul 29 05:56 13597 Jul 30 02:45 13597 Aug 11 17:22 13597 Aug 18 05:29 13597 Aug 20 18:54 13597 Aug 27 07:36 13597 Aug 27 09:46 13597 Aug 30 07:35 13597 Sep 01 02:39 13597 Sep 02 22:06 13597 Sep 09 14:14 13597 Sep 23 18:12 13597 Oct 04 04:25 13597 Oct 22 10:17 13597 Oct 26 04:45 13597 Oct 27 10:01 13597 Nov 03 19:43 13597 Nov 03 17:30	0° m 1° m 30'16 20° m 10'16 23° m 32'08 23° m 00'16 17° m 53'37 17° m 48'08 14° m 52'59 13° m 14'54 11° m 50'45 9° m 31'30 17° m 30'10 0° \(\Omega\) 0° m 7° m 25'17 9° m 54'41 21° m 42'05	1°24'05 1°23'01 0.61746 AU 27°58'30
inferior conj minimum elong transit middle transit begin transit end desc. node min. Earth dist. morning rise direct morning max el asc. node morning set max. Earth dist.	13596 Sep 06 11:05 13596 Sep 13 16:30 13596 Sep 13 16:30 13596 Sep 13 16:30 13596 Sep 13 13:48 13596 Sep 13 19:12 13596 Sep 14 05:08 13596 Sep 16 23:08 13596 Sep 20 18:32 13596 Sep 20 12:08 13596 Sep 27 05:31 13596 Oct 04 06:55 13596 Oct 11 13:09 13596 Oct 29 16:06 13596 Nov 18 08:03 13596 Nov 12 09:01 13596 Nov 14 07:12 13596 Nov 18 17:20 13596 Nov 19 09:46 13596 Nov 19 09:46	10° № 16'08 5° № 29'02 5° № 28'17 5° № 34'13 5° № 22'21 5° № 00'22 2° № 50'22 30° № 50'22 30° № 54'19 0° № 17° № 36'32 25° № 53'24 0° ৵ 9° ৵ 43'57	0°09'53 0°09'53 0.59452 AU 27°41'03	asc. node evening max el retrograde evening set inferior conj minimum elong min. Earth dist. desc. node morning rise direct morning max el  asc. node morning set max. Earth dist. superior conj minimum elong	13597 Jul 29 05:56 13597 Jul 30 02:45 13597 Aug 11 17:22 13597 Aug 18 05:29 13597 Aug 20 18:54 13597 Aug 27 07:36 13597 Aug 27 09:46 13597 Aug 30 07:35 13597 Sep 01 02:39 13597 Sep 02 22:06 13597 Sep 09 14:14 13597 Sep 23 18:12 13597 Oct 04 04:25 13597 Oct 22 10:17 13597 Oct 26 04:45 13597 Oct 27 10:01 13597 Nov 03 19:43 13597 Nov 03 17:30 13597 Nov 03 17:30	0° m 1° m 30'16 20° m 10'16 23° m 32'08 23° m 00'16 17° m 53'37 17° m 48'08 14° m 52'59 13° m 14'54 11° m 50'45 9° m 31'30 17° m 30'10 0° Ω 0° m 7° m 25'17 9° m 54'41 21° m 42'05 25° m 47'47 25° m 35'31 0°   7'	1°24'05 1°23'01 0.61746 AU 27°58'30 1.31613 AU 1°14'10
inferior conj minimum elong transit middle transit begin transit end desc. node min. Earth dist. morning rise direct morning max el asc. node morning set max. Earth dist.	13596 Sep 06 11:05 13596 Sep 13 16:30 13596 Sep 13 16:30 13596 Sep 13 16:30 13596 Sep 13 13:48 13596 Sep 13 19:12 13596 Sep 14 05:08 13596 Sep 16 23:08 13596 Sep 20 12:08 13596 Sep 20 12:08 13596 Sep 27 05:31 13596 Oct 04 06:55 13596 Oct 11 13:09 13596 Oct 29 16:06 13596 Nov 12 09:01 13596 Nov 12 09:01 13596 Nov 14 07:12 13596 Nov 18 17:20  13596 Nov 19 09:46 13596 Nov 19 08:01 13596 Nov 19 08:01 13596 Nov 26 02:47	10° № 16'08 5° № 29'02 5° № 28'17 5° № 34'13 5° № 22'21 5° № 00'22 2° № 50'22 30° R № 27° № 54'19 0° № 17° № 36'32 25° № 53'24 0° ৵ 9° ৵ 43'57 11° ৵ 15'34 11° ৵ 05'51 26° ৵ 04'38	0°09'53 0°09'53 0.59452 AU 27°41'03 1.31203 AU 1°27'55	asc. node evening max el retrograde evening set inferior conj minimum elong min. Earth dist. desc. node morning rise direct morning max el  asc. node morning set max. Earth dist.	13597 Jul 29 05:56 13597 Jul 30 02:45 13597 Aug 11 17:22 13597 Aug 18 05:29 13597 Aug 20 18:54 13597 Aug 27 07:36 13597 Aug 27 09:46 13597 Aug 30 07:35 13597 Sep 01 02:39 13597 Sep 02 22:06 13597 Sep 02 14:14 13597 Sep 23 18:12 13597 Oct 04 04:25 13597 Oct 22 10:17 13597 Oct 26 04:45 13597 Oct 27 10:01 13597 Nov 01 23:00 13597 Nov 03 17:30 13597 Nov 03 17:30 13597 Nov 05 17:18 13597 Nov 10 13:10	0° m 1° m 30'16 20° m 10'16 23° m 32'08 23° m 00'16 17° m 53'37 17° m 48'08 14° m 52'59 13° m 14'54 11° m 50'45 9° m 31'30 17° m 30'10 0° Ω 0° m 7° m 25'17 9° m 54'41 21° m 42'05 25° m 47'47 25° m 35'31 0°   10°  10°  36'24	1°24'05 1°23'01 0.61746 AU 27°58'30 1.31613 AU 1°14'10
inferior conj minimum elong transit middle transit begin transit end desc. node min. Earth dist. morning rise direct morning max el asc. node morning set max. Earth dist. superior conj minimum elong evening rise	13596 Sep 06 11:05 13596 Sep 13 16:30 13596 Sep 13 16:30 13596 Sep 13 16:30 13596 Sep 13 13:48 13596 Sep 13 19:12 13596 Sep 14 05:08 13596 Sep 16 23:08 13596 Sep 20 12:08 13596 Sep 20 12:08 13596 Sep 20 12:08 13596 Sep 27 05:31 13596 Oct 04 06:55 13596 Oct 11 13:09 13596 Oct 29 16:06 13596 Nov 12 09:01 13596 Nov 12 09:01 13596 Nov 14 07:12 13596 Nov 18 17:20  13596 Nov 19 09:46 13596 Nov 19 09:46 13596 Nov 19 08:01 13596 Nov 26 02:47 13596 Nov 27 23:06	10° № 16'08 5° № 29'02 5° № 28'17 5° № 28'17 5° № 34'13 5° № 22'21 5° № 00'22 2° № 50'22 30° R № 27° № 54'19 0° № 17° № 36'32 25° № 53'24 0° № 11° № 36'32 11° № 15'34 11° № 05'51 26° № 04'38 0° ♂	0°09'53 0°09'53 0.59452 AU 27°41'03 1.31203 AU 1°27'55	asc. node evening max el retrograde evening set inferior conj minimum elong min. Earth dist. desc. node morning rise direct morning max el  asc. node morning set max. Earth dist. superior conj minimum elong evening rise	13597 Jul 29 05:56 13597 Jul 30 02:45 13597 Aug 11 17:22 13597 Aug 18 05:29 13597 Aug 20 18:54 13597 Aug 27 07:36 13597 Aug 27 09:46 13597 Aug 30 07:35 13597 Sep 01 02:39 13597 Sep 02 22:06 13597 Sep 02 18:14 13597 Sep 03 18:12 13597 Oct 04 04:25 13597 Oct 22 10:17 13597 Oct 26 04:45 13597 Oct 27 10:01 13597 Nov 01 23:00 13597 Nov 03 17:30 13597 Nov 05 17:18 13597 Nov 10 13:10 13597 Nov 10 13:10 13597 Nov 20 06:59	0° m 1° m 30'16 20° m 10'16 23° m 32'08 23° m 00'16 17° m 53'37 17° m 48'08 14° m 52'59 13° m 14'54 11° m 50'45 9° m 31'30 17° m 30'10 0° Ω 0° m 7° m 25'17 9° m 54'41 21° m 42'05 25° m 47'47 25° m 35'31 0°   10°  36'24 0°  36'24	1°24'05 1°23'01 0.61746 AU 27°58'30 1.31613 AU 1°14'10
inferior conj minimum elong transit middle transit begin transit end desc. node min. Earth dist. morning rise direct morning max el asc. node morning set max. Earth dist.	13596 Sep 06 11:05 13596 Sep 13 16:30 13596 Sep 13 16:30 13596 Sep 13 13:48 13596 Sep 13 19:12 13596 Sep 14 05:08 13596 Sep 16 23:08 13596 Sep 16 23:08 13596 Sep 20 12:08 13596 Sep 20 12:08 13596 Sep 20 12:08 13596 Oct 04 06:55 13596 Oct 11 13:09 13596 Oct 29 16:06 13596 Nov 18 08:03 13596 Nov 12 09:01 13596 Nov 14 07:12 13596 Nov 18 17:20 13596 Nov 19 09:46 13596 Nov 19 08:01 13596 Nov 26 02:47 13596 Nov 27 23:06 13596 Dec 11 02:08	10° \overline{100} 5° \overline{129'02} 5° \overline{129'02} 5° \overline{129'17} 5° \overline{129'17} 5° \overline{129'17} 5° \overline{120'22} 2° \overline{136'24} 29° \overline{150'22} 30° \overl	0°09'53 0°09'53 0.59452 AU 27°41'03 1.31203 AU 1°27'55	asc. node evening max el retrograde evening set inferior conj minimum elong min. Earth dist. desc. node morning rise direct morning max el  asc. node morning set max. Earth dist. superior conj minimum elong evening rise desc. node	13597 Jul 29 05:56 13597 Jul 30 02:45 13597 Aug 11 17:22 13597 Aug 18 05:29 13597 Aug 20 18:54 13597 Aug 27 07:36 13597 Aug 27 09:46 13597 Aug 30 07:35 13597 Sep 01 02:39 13597 Sep 02 22:06 13597 Sep 02 22:06 13597 Sep 09 14:14 13597 Sep 23 18:12 13597 Oct 04 04:25 13597 Oct 22 10:17 13597 Oct 26 04:45 13597 Oct 27 10:01 13597 Nov 01 23:00 13597 Nov 03 19:43 13597 Nov 03 17:30 13597 Nov 03 17:30 13597 Nov 10 13:10 13597 Nov 20 06:59 13597 Nov 27 23:15	0° m 1° m 30'16 20° m 10'16 23° m 32'08 23° m 00'16 17° m 53'37 17° m 48'08 14° m 52'59 13° m 14'54 11° m 50'45 9° m 31'30 17° m 30'10 0° Ω 0° m 7° m 25'17 9° m 54'41 21° m 42'05 25° m 47'47 25° m 35'31 0° ♂ 10° ♂ 36'24 0° ♂ 12° ♂ 16'07	1°24'05 1°23'01 0.61746 AU 27°58'30 1.31613 AU 1°14'10 1°14'39
inferior conj minimum elong transit middle transit begin transit end desc. node min. Earth dist. morning rise direct morning max el asc. node morning set max. Earth dist. superior conj minimum elong evening rise desc. node	13596 Sep 06 11:05 13596 Sep 13 16:30 13596 Sep 13 16:30 13596 Sep 13 16:30 13596 Sep 13 13:48 13596 Sep 13 19:12 13596 Sep 14 05:08 13596 Sep 16 23:08 13596 Sep 20 12:08 13596 Sep 20 12:08 13596 Sep 20 12:08 13596 Oct 04 06:55 13596 Oct 11 13:09 13596 Oct 29 16:06 13596 Nov 08 08:03 13596 Nov 12 09:01 13596 Nov 14 07:12 13596 Nov 18 17:20 13596 Nov 19 09:46 13596 Nov 19 09:46 13596 Nov 19 08:01 13596 Nov 26 02:47 13596 Nov 27 23:06 13596 Dec 11 02:08 13596 Dec 14 22:46	10° № 16'08 5° № 29'02 5° № 28'17 5° № 28'17 5° № 34'13 5° № 22'21 5° № 00'22 2° № 50'22 30° № 70 27° № 54'19 0° № 17° № 36'32 25° № 53'24 0° ※ 9° ※ 43'57 11° ※ 15'34 11° ※ 05'51 26° ※ 04'38 0° ♂ 24° ♂ 14'04 0° ≈	0°09'53 0°09'53 0.59452 AU 27°41'03 1.31203 AU 1°27'55 1°28'42	asc. node evening max el retrograde evening set inferior conj minimum elong min. Earth dist. desc. node morning rise direct morning max el  asc. node morning set max. Earth dist. superior conj minimum elong evening rise desc. node evening max el	13597 Jul 29 05:56 13597 Jul 30 02:45 13597 Aug 11 17:22 13597 Aug 18 05:29 13597 Aug 20 18:54 13597 Aug 27 07:36 13597 Aug 27 09:46 13597 Aug 30 07:35 13597 Sep 01 02:39 13597 Sep 02 22:06 13597 Sep 02 14:14 13597 Sep 03 14:14 13597 Sep 23 18:12 13597 Oct 04 04:25 13597 Oct 22 10:17 13597 Oct 26 04:45 13597 Oct 27 10:01 13597 Nov 01 23:00 13597 Nov 03 19:43 13597 Nov 03 17:30 13597 Nov 05 17:18 13597 Nov 10 13:10 13597 Nov 20 06:59 13597 Nov 27 23:15 13597 Dec 06 07:30	0° m 1° m 30'16 20° m 10'16 23° m 32'08 23° m 00'16 17° m 53'37 17° m 48'08 14° m 52'59 13° m 14'54 11° m 50'45 9° m 31'30 17° m 30'10 0° Ω 0° m 7° m 25'17 9° m 54'41 21° m 42'05 25° m 47'47 25° m 35'31 0°   10°  36'24 0°  36'24	1°24'05 1°23'01 0.61746 AU 27°58'30 1.31613 AU 1°14'10 1°14'39
inferior conj minimum elong transit middle transit begin transit end desc. node min. Earth dist. morning rise direct morning max el asc. node morning set max. Earth dist. superior conj minimum elong evening rise desc. node evening max el	13596 Sep 06 11:05 13596 Sep 13 16:30 13596 Sep 13 16:30 13596 Sep 13 16:30 13596 Sep 13 13:48 13596 Sep 13 19:12 13596 Sep 14 05:08 13596 Sep 16 23:08 13596 Sep 20 18:32 13596 Sep 20 12:08 13596 Sep 20 12:08 13596 Oct 04 06:55 13596 Oct 11 13:09 13596 Oct 29 16:06 13596 Nov 08 08:03 13596 Nov 12 09:01 13596 Nov 14 07:12 13596 Nov 18 17:20 13596 Nov 19 09:46 13596 Nov 19 09:46 13596 Nov 27 23:06 13596 Nov 27 23:06 13596 Dec 11 02:08 13596 Dec 14 22:46 13596 Dec 24 17:05	10° \overline{100} 5° \overline{129'02} 5° \overline{129'02} 5° \overline{129'17} 5° \overline{129'17} 5° \overline{129'17} 5° \overline{120'22} 2° \overline{136'24} 29° \overline{150'22} 30° \overl	0°09'53 0°09'53 0.59452 AU 27°41'03 1.31203 AU 1°27'55	asc. node evening max el retrograde evening set inferior conj minimum elong min. Earth dist. desc. node morning rise direct morning max el  asc. node morning set max. Earth dist. superior conj minimum elong evening rise desc. node evening max el retrograde	13597 Jul 29 05:56 13597 Jul 30 02:45 13597 Aug 11 17:22 13597 Aug 18 05:29 13597 Aug 20 18:54 13597 Aug 27 07:36 13597 Aug 27 09:46 13597 Aug 30 07:35 13597 Sep 01 02:39 13597 Sep 02 22:06 13597 Sep 09 14:14 13597 Sep 23 18:12 13597 Oct 04 04:25 13597 Oct 22 10:17 13597 Oct 26 04:45 13597 Oct 27 10:01 13597 Nov 01 23:00 13597 Nov 03 19:43 13597 Nov 03 17:30 13597 Nov 04 13:10 13597 Nov 10 13:10 13597 Nov 20 06:59 13597 Nov 27 23:15 13597 Dec 06 07:30 13597 Dec 06 07:30 13597 Dec 06 07:30 13597 Dec 06 07:30	0° m 1° m 30'16 20° m 10'16 23° m 32'08 23° m 00'16 17° m 53'37 17° m 48'08 14° m 52'59 13° m 14'54 11° m 50'45 9° m 31'30 17° m 30'10 0° Ω 0° m 7° m 25'17 9° m 54'41 21° m 42'05 25° m 47'47 25° m 35'31 0° ♂ 10° ♂ 36'24 0° ♂ 12° ♂ 16'07 22° ♂ 09'40 29° ♂ 01'59	1°24'05 1°23'01 0.61746 AU 27°58'30 1.31613 AU 1°14'10 1°14'39
inferior conj minimum elong transit middle transit begin transit end desc. node min. Earth dist. morning rise direct morning max el asc. node morning set max. Earth dist. superior conj minimum elong evening rise desc. node	13596 Sep 06 11:05 13596 Sep 13 16:30 13596 Sep 13 16:30 13596 Sep 13 16:30 13596 Sep 13 13:48 13596 Sep 13 19:12 13596 Sep 14 05:08 13596 Sep 16 23:08 13596 Sep 20 12:08 13596 Sep 20 12:08 13596 Sep 20 12:08 13596 Oct 04 06:55 13596 Oct 11 13:09 13596 Oct 29 16:06 13596 Nov 08 08:03 13596 Nov 12 09:01 13596 Nov 14 07:12 13596 Nov 18 17:20 13596 Nov 19 09:46 13596 Nov 19 09:46 13596 Nov 19 08:01 13596 Nov 26 02:47 13596 Nov 27 23:06 13596 Dec 11 02:08 13596 Dec 14 22:46	10° № 16'08 5° № 29'02 5° № 28'17 5° № 28'17 5° № 34'13 5° № 22'21 5° № 00'22 2° № 50'22 30° № 70 27° № 54'19 0° № 17° № 36'32 25° № 53'24 0° ※ 9° ※ 43'57 11° ※ 15'34 11° ※ 05'51 26° ※ 04'38 0° ♂ 24° ♂ 14'04 0° № 11° ≈ 35'14	0°09'53 0°09'53 0.59452 AU 27°41'03 1.31203 AU 1°27'55 1°28'42	asc. node evening max el retrograde evening set inferior conj minimum elong min. Earth dist. desc. node morning rise direct morning max el  asc. node morning set max. Earth dist. superior conj minimum elong evening rise desc. node evening max el	13597 Jul 29 05:56 13597 Jul 30 02:45 13597 Aug 11 17:22 13597 Aug 18 05:29 13597 Aug 20 18:54 13597 Aug 27 07:36 13597 Aug 27 09:46 13597 Aug 30 07:35 13597 Sep 01 02:39 13597 Sep 02 22:06 13597 Sep 02 14:14 13597 Sep 03 14:14 13597 Sep 23 18:12 13597 Oct 04 04:25 13597 Oct 22 10:17 13597 Oct 26 04:45 13597 Oct 27 10:01 13597 Nov 01 23:00 13597 Nov 03 19:43 13597 Nov 03 17:30 13597 Nov 05 17:18 13597 Nov 10 13:10 13597 Nov 20 06:59 13597 Nov 27 23:15 13597 Dec 06 07:30	0° m 1° m 30'16 20° m 10'16 23° m 32'08 23° m 00'16 17° m 53'37 17° m 48'08 14° m 52'59 13° m 14'54 11° m 50'45 9° m 31'30 17° m 30'10 0° Ω 0° m 7° m 25'17 9° m 54'41 21° m 42'05 25° m 47'47 25° m 35'31 0° 🞜 10° 🞜 36'24 0° ♂ 12° ♂ 16'07 22° ♂ 509'40 29° ♂ 01'59 27° ♂ 56'22	1°24'05 1°23'01 0.61746 AU 27°58'30 1.31613 AU 1°14'10 1°14'39
inferior conj minimum elong transit middle transit begin transit end desc. node min. Earth dist. morning rise direct morning max el asc. node morning set max. Earth dist. superior conj minimum elong evening rise desc. node evening max el retrograde	13596 Sep 06 11:05 13596 Sep 13 16:30 13596 Sep 13 16:30 13596 Sep 13 13:48 13596 Sep 13 19:12 13596 Sep 14 05:08 13596 Sep 14 05:08 13596 Sep 16 23:08 13596 Sep 20 12:08 13596 Sep 20 12:08 13596 Sep 27 05:31 13596 Oct 04 06:55 13596 Oct 11 13:09 13596 Oct 29 16:06 13596 Nov 08 08:03 13596 Nov 12 09:01 13596 Nov 14 07:12 13596 Nov 18 17:20 13596 Nov 19 09:46 13596 Nov 19 09:46 13596 Nov 26 02:47 13596 Nov 27 23:06 13596 Dec 11 02:08 13596 Dec 14 22:46 13596 Dec 24 17:05 13597 Jan 07 15:56	10° № 16'08 5° № 29'02 5° № 28'17 5° № 28'17 5° № 34'13 5° № 22'21 5° № 00'22 2° № 50'22 30° № 10 27° № 54'19 0° № 17° № 36'32 25° № 53'24 0° ※ 9° ※ 43'57 11° ※ 15'34 11° ※ 05'51 26° ※ 04'38 0° % 0° № 24° ♂ 14'04 0° № 11° ≈ 35'14 18° ≈ 40'02	0°09'53 0°09'53 0.59452 AU 27°41'03 1.31203 AU 1°27'55 1°28'42	asc. node evening max el retrograde evening set inferior conj minimum elong min. Earth dist. desc. node morning rise direct morning max el  asc. node morning set max. Earth dist. superior conj minimum elong evening rise desc. node evening max el retrograde evening set	13597 Jul 29 05:56 13597 Jul 30 02:45 13597 Aug 11 17:22 13597 Aug 18 05:29 13597 Aug 20 18:54 13597 Aug 27 07:36 13597 Aug 27 09:46 13597 Aug 30 07:35 13597 Sep 01 02:39 13597 Sep 02 22:06 13597 Sep 09 14:14 13597 Sep 23 18:12 13597 Oct 04 04:25 13597 Oct 22 10:17 13597 Oct 26 04:45 13597 Oct 27 10:01 13597 Nov 01 23:00 13597 Nov 03 19:43 13597 Nov 03 17:30 13597 Nov 04 13:10 13597 Nov 10 13:10 13597 Nov 20 06:59 13597 Nov 27 23:15 13597 Dec 06 07:30 13597 Dec 20 01:37 13597 Dec 20 01:37	0° m 1° m 30'16 20° m 10'16 23° m 32'08 23° m 00'16 17° m 53'37 17° m 48'08 14° m 52'59 13° m 14'54 11° m 50'45 9° m 31'30 17° m 30'10 0° Ω 0° m 7° m 25'17 9° m 54'41 21° m 42'05 25° m 47'47 25° m 35'31 0° 🞜 10° 🞜 36'24 0° ♂ 12° ♂ 16'07 22° ♂ 509'40 29° ♂ 01'59 27° ♂ 56'22	1°24'05 1°23'01 0.61746 AU 27°58'30 1.31613 AU 1°14'10 1°14'39 24°45'35

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18°**∡**′21'16

13599 Nov 11 10:26

min. Earth dist.

13598 Dec 12 02:42

4°る54'02 0.55001 AU

retrograde

	12500 N 14 05 20	100 702112			12600 0 4 10 15 12	270 <b>M</b> 40100	
evening set	13599 Nov 14 05:39	18° 🗷 03'12	5022127	desc. node	13600 Oct 18 15:12	27°M49'09	
inferior conj	13599 Nov 23 02:35	14°×709'43		retrograde	13600 Oct 21 23:27	28°M20'13	
minimum elong	13599 Nov 22 19:03	14° <b>∡</b> ¹20′18	5°31'18	evening set	13600 Oct 23 23:45	28°M09'35	
min. Earth dist.	13599 Nov 23 08:43	14° <b>≯</b> 01'06	0.54498 AU	inferior conj	13600 Nov 01 21:32	24°M11'08	
morning rise	13599 Dec 01 09:12	10° <b>≯</b> 20'42		minimum elong	13600 Nov 01 11:35	24°M26'06	4°11'07
direct	13599 Dec 05 05:40	9° <b>∡</b> 148'37		min. Earth dist.	13600 Nov 03 16:37	23°M06'19	0.54937 AU
morning max el	13599 Dec 17 22:19	15° <b>≯</b> 54'25	22°26'45	morning rise	13600 Nov 09 22:15	20°M02'21	
asc. node	13599 Dec 26 22:41	27° <b>∡</b> 07′29		direct	13600 Nov 14 16:58	19°M12'34	
	13599 Dec 28 18:09	0°₹		morning max el	13600 Nov 28 08:38	25°M56'32	24°15'36
morning set	13600 Jan 08 19:09	21° <b>පි</b> 09'11			13600 Dec 02 04:44	0° <b>∡</b> ¹	
	13600 Jan 12 22:23	0° <b>≈</b>		asc. node	13600 Dec 12 19:44	15° <b>≮</b> 24'28	
					13600 Dec 20 11:47	0° <b>ට</b>	
superior conj	13600 Jan 15 19:41	6° <b>≈</b> 10′29	1°29'12	morning set	13600 Dec 23 07:02	5° <b>る</b> 53'57	
minimum elong	13600 Jan 15 21:29	6° <b>≈</b> 20'06	1°29'57				
max. Earth dist.	13600 Jan 19 11:59	13° <b>≈</b> 52′18	1.33975 AU	superior conj	13600 Dec 30 02:33	20°る46'06	1°36'39
evening rise	13600 Jan 23 23:04	22° <b>≈</b> 47'55		minimum elong	13600 Dec 30 03:19	20°る50'18	1°37'38
	13600 Jan 27 18:24	0° <b>)</b>		max. Earth dist.	13601 Jan 01 10:27	25° <b>る</b> 49'06	1.32564 AU
desc. node	13600 Jan 28 17:06	1° <b>)</b> 43′49			13601 Jan 03 09:34	0°≈	
	13600 Feb 15 11:28	$0$ ° $\mathbf{\Upsilon}$		evening rise	13601 Jan 06 14:14	6° <b>≈</b> 36′21	
evening max el	13600 Feb 27 18:57	14° <b>Y</b> 35'31	27°04'22	desc. node	13601 Jan 14 13:48	21° <b>≈</b> 49′28	
retrograde	13600 Mar 12 04:34	22° <b>Y</b> 02'59			13601 Jan 19 08:05	0° <b>)</b> €	
evening set	13600 Mar 18 18:51	19° <b>Ƴ</b> 30'47		evening max el	13601 Feb 09 07:26	27° <b>)</b> 52′20	27°31'21
min. Earth dist.	13600 Mar 22 17:17	15° <b>Ƴ</b> 43'26	0.65510 AU		13601 Feb 11 16:09	$0^{\circ}$ $\Upsilon$	
asc. node	13600 Mar 23 19:43	14° <b>Y</b> 29'02		retrograde	13601 Feb 23 01:47	5° <b>Ƴ</b> 19'15	
inferior conj	13600 Mar 24 22:56	13° <b>Ƴ</b> 11'17	0°21'38	evening set	13601 Mar 01 22:00	2° <b>Y</b> 52'57	
minimum elong	13600 Mar 24 22:20	13° <b>Y</b> 12'58	0°21'16	-	13601 Mar 05 06:58	30° <b>₹</b> ₩	
morning rise	13600 Mar 31 03:23	7° <b>Ƴ</b> 38'57		min. Earth dist.	13601 Mar 05 16:58	29° <b>)</b> ₹35'29	0.63678 AU
direct	13600 Apr 02 22:00	6° <b>Ƴ</b> 57'29		inferior conj	13601 Mar 08 09:46	26° <b>)</b> 49'32	-0°45'00
morning max el	13600 Apr 09 06:17	10° <b>Y</b> 16′22	18°02'46	minimum elong	13601 Mar 08 11:12	26° <b>)</b> 45′52	
	13600 Apr 23 03:25	0°8		asc. node	13601 Mar 10 17:11	24° <b>)</b> € 32'56	
desc. node	13600 Apr 25 19:24	4° <b>8</b> 20'13		morning rise	13601 Mar 15 02:44	21° <b>)</b> (31'51	
morning set	13600 Apr 27 14:42	7° <b>8</b> 16'43		direct	13601 Mar 17 13:02	21° <b>)</b> 02'46	
	13600 May 11 18:21	0°II		morning max el	13601 Mar 23 23:53	24° <b>)</b> (21'27	17°47'28
	13000 1114 11 10.21	~ _		morning man er	13601 Mar 28 15:12	0° <b>Υ</b>	1, 1, 20
superior conj	13600 May 12 06:35	0° <b>Ⅱ</b> 48'12	-1°46'23	morning set	13601 Apr 09 13:25	19° <b>Y</b> 24'54	
minimum elong	13600 May 12 00:33	0° <b>П</b> 12'22		desc. node	13601 Apr 12 15:59	24° <b>Υ</b> 42'26	
max. Earth dist.	13600 May 17 21:25	5° <b>Ⅱ</b> 24'59	1.45702 AU	dese. Hode	13601 Apr 12 13:39	0°8	
evening rise	13600 May 13 03:07	25° <b>I</b> I50'23	1.43/02 AO		13001 Apr 13 17.14	v <b>O</b>	
evening rise	13600 May 28 03:02 13600 May 31 01:51	0° <b>9</b>		superior conj	13601 Apr 22 08:54	10° <b>8</b> 51'19	1°10'37
greatest brilliancy	13600 Jun 10 09:28	0 <del>3</del> 15° <b>9</b> 40'22	-0.7m	minimum elong	13601 Apr 22 01:48	10° <b>8</b> 22'26	1°10'17
asc. node	13600 Jun 19 17:16	28°926'47	-0.7111	max. Earth dist.	13601 Apr 27 23:52	19° <b>8</b> 53'12	1.44883 AU
asc. node	13600 Jun 21 02:04	28 <b>3</b> 2047		max. Lartii dist.	13601 May 04 10:48	0° <b>Ⅱ</b>	1.44883 AU
avanina may al	13600 Jun 21 02.04 13600 Jun 22 03:49		19°27'31	avanina riaa	•	о п 5°П13'31	
evening max el	13600 Jun 22 03.49 13600 Jun 29 07:32	5° <b>Ω</b> 07'58	19 2/31	evening rise	13601 May 07 20:14 13601 May 24 11:42	0°©	
retrograde		3° <b>Ω</b> 50'05		avanina may al	13601 May 24 11.42 13601 Jun 05 06:02		20027140
evening set	13600 Jul 02 23:21			evening max el			20°27'48
	13600 Jul 06 18:24	30°Rூ	2007124	asc. node	13601 Jun 06 14:18	16°912'55	
inferior conj	13600 Jul 08 08:27	27°957'03	3°07'34	retrograde	13601 Jun 13 06:23	19°532'49	
minimum elong	13600 Jul 08 09:24	27°953'57	3°06'30	evening set	13601 Jun 17 08:12	17°958'04	2012115
min. Earth dist.	13600 Jul 09 15:31	26°914'37	0.67266 AU	inferior conj	13601 Jun 22 14:33	11°952'42	3°12'15
morning rise	13600 Jul 13 18:55	21°932'52		minimum elong	13601 Jun 22 14:28	11°953'01	3°11'12
direct	13600 Jul 19 18:21	18°956'12		min. Earth dist.	13601 Jun 23 07:37	10°954'07	0.68295 AU
desc. node	13600 Jul 22 18:59	19°530'12	25022112	morning rise	13601 Jun 27 20:26	5°931'48	
morning max el	13600 Aug 01 01:53	26°9518'54	25°33'43	direct	13601 Jul 03 08:20	3°506'28	
	13600 Aug 04 11:32	$0$ $^{\circ}\Omega$		desc. node	13601 Jul 09 16:15	5° <b>©</b> 34'27	
	13600 Aug 25 21:30	0° <b>m</b> )		morning max el	13601 Jul 14 12:01	9° <b>5</b> 47'10	24°07'15
morning set	13600 Sep 06 01:13	19° <b>m</b> 01'44			13601 Jul 30 11:57	0°N	
max. Earth dist.	13600 Sep 09 16:23	25° <b>m</b> 44'57	1.35980 AU	morning set	13601 Aug 18 21:57	0° <b>m</b> ,34'19	
	13600 Sep 11 21:48	0∘ <b>ত</b>			13601 Aug 18 13:57	0° <b>m</b>	
				max. Earth dist.	13601 Aug 22 14:24	7° <b>m</b> ,01′27	1.38255 AU
superior conj	13600 Sep 15 18:28	7° <b>≙</b> 36'14					
minimum elong	13600 Sep 15 18:28	7° <b>≏</b> 36'14	0°00'01	superior conj	13601 Aug 29 22:14	20° <b>m</b> 32'24	-0°33'44
behind sun begin	13600 Sep 15 13:07	7° <b>£</b> 09'27		minimum elong	13601 Aug 30 00:36	20° <b>m</b> 43'37	0°33'34
behind sun end	13600 Sep 15 23:49	8° <b>ഫ</b> 03'04		asc. node	13601 Sep 02 15:08	27° <b>m</b> 41'58	
asc. node	13600 Sep 15 18:34	7° <b>≏</b> 36'46			13601 Sep 03 19:17	0∘ <b>⊽</b>	
evening rise	13600 Sep 23 17:08	23° <b>≙</b> 50'19		evening rise	13601 Sep 07 18:04	7° <b>≏</b> 48'12	
	13600 Sep 26 18:15	0°M₊			13601 Sep 20 06:51	$0^{\circ}$ M	
evening max el	13600 Oct 11 11:10	23°MJ06'14	20°03'38	evening max el	13601 Sep 24 04:31	4°M40'44	19°02'50

retrograde	13601 Oct 03 01:48	9°M08'01	
evening set	13601 Oct 04 22:31	8°M57'04	
desc. node	13601 Oct 05 12:37	8° <b>M</b> 49'16	
inferior conj	13601 Oct 13 08:08	4°M42'30	-2°27'57
minimum elong	13601 Oct 13 01:50	4°M53'20	2°25'01
min. Earth dist.	13601 Oct 16 04:31	2°M45'13	0.56243 AU
morning rise	13601 Oct 21 02:18	29° <b>≏</b> 59'44	
	13601 Oct 21 02:03	30° <b>Ŗ</b> Ω	
direct	13601 Oct 26 16:35	28° <b>≏</b> 46'33	
	13601 Nov 01 07:19	0°M	
morning max el	13601 Nov 09 19:44	6°M00'22	25°57'08
	13601 Nov 27 07:27	0° <b>∡</b> ¹	
asc. node	13601 Nov 29 16:41	4° <b>∡</b> 18'50	
morning set	13601 Dec 07 18:14	20° <b>∡</b> ³33'17	
C	13601 Dec 12 01:41	ರ°0	
superior conj	13601 Dec 14 12:47	5° <b>る</b> 28'32	1°37'54
minimum elong	13601 Dec 14 12:28	5° <b>る</b> 26'44	1°38'58
max. Earth dist.	13601 Dec 15 15:26	7° <b>ප</b> 56'18	1.31634 AU
evening rise	13601 Dec 21 13:44	20° <b>පි</b> 45'03	
-	13601 Dec 26 03:38	0° <b>≈</b>	
desc. node	13602 Jan 01 10:35	11° <b>≈</b> 34'14	
	13602 Jan 13 11:21	0° <b>)</b> €	