3109 Dec 02 09:11

3°806'06

16°**Ω**28'15

3104 Aug 24 01:32

asc. node	3109 Dec 04 01:33	3° <b>8</b> 07'13		minimum elong	3115 Jan 27 23:28	6° <b>≈</b> 45'44	1°00'57
	3110 Feb 18 12:18	$\Pi^{\circ}0$			3115 Feb 26 20:35	0° <b>∀</b>	
	3110 Apr 11 22:58	0°©		morning rise	3115 Apr 03 22:25	28° <b>¥</b> 23'42	
	3110 May 31 13:10	$0^{\circ}\Omega$			3115 Apr 05 23:21	0° <b>Υ</b>	
	3110 Jul 19 07:36	0° <b>m</b>			3115 May 14 09:11	0°8	
	3110 Sep 05 06:43	0∘ <b>ত</b>			3115 Jun 22 23:11	$\Pi$ $^{\circ}0$	
evening set	3110 Sep 12 05:32	4° <b>£</b> 24'27		asc. node	3115 Jul 26 22:32	24° <b>∏</b> 37'11	
max. Earth dist.	3110 Oct 10 11:03		2.64147 AU		3115 Aug 03 14:19	0°©	
	3110 Oct 21 23:27	0°M			3115 Sep 17 07:21	0° <b>N</b>	
	21100 - 27 17 16	207 12100	0000104		3115 Nov 06 11:02	0° m	
conjunction	3110 Oct 27 15:46	3°M43'09	0°28'24	retrograde	3116 Jan 30 10:05	29° m 22'37	4012105
minimum elong	3110 Oct 27 16:38	3°M44'34	0°28'24	opposition	3116 Mar 10 13:22	19° Mp 41'22	4°13'05
	3110 Dec 06 00:33	0°⊀ <sup>7</sup>		greatest brilliancy	3116 Mar 10 13:46	19° Mp 40'58	-1.3m
morning rise desc. node	3110 Dec 12 04:10 3110 Dec 18 20:05	4° <b>₰</b> 11'24 8° <b>₰</b> 45'19		min. Earth dist. direct	3116 Mar 10 18:13	19° Mp 36'31 9° Mp 51'42	0.67841 AU
desc. Hode	3110 Dec 18 20:03 3111 Jan 18 07:26	0°る		direct	3116 Apr 20 10:23 3116 Jun 28 09:55	0° <b>ʊ</b>	
	3111 Jan 18 07:20 3111 Feb 28 23:31	0°≈		desc. node	3116 Aug 09 17:08	0 <b>=</b> 22° <b>£</b> 38'06	
	3111 Apr 10 09:31	0° <b>∺</b>		dese. Hode	3116 Aug 22 02:51	0°M	
	3111 Apr 10 09:31 3111 May 20 04:09	0° <b>Υ</b>			3116 Aug 22 02:31 3116 Oct 07 21:05	0° <b>⊼</b>	
	3111 Jun 29 07:53	0° <b>8</b>			3116 Nov 19 13:03	⊙ੰਤ	
	3111 Aug 10 18:13	0°II			3116 Dec 29 13:31	0° <b>≈</b>	
	3111 Sep 30 04:48	0 . ಅ		evening set	3117 Jan 30 17:30	25°≈01'57	
asc. node	3111 Oct 22 00:24	9° <b>5</b> 06'51		evening sec	3117 Feb 06 00:52	0° <b>∀</b>	
retrograde	3111 Nov 19 05:31	14°911'45			3117 Mar 15 23:27	0°Υ	
min. Earth dist.	3111 Dec 20 13:03	7°529'11	0.54043 AU				
opposition	3111 Dec 27 18:10	4°5943'00	3°05'06	conjunction	3117 Apr 08 19:50	18° <b>Ƴ</b> 44'17	-0°40'57
greatest brilliancy	3111 Dec 26 21:26	5° <b>©</b> 02'57	-2.0m	minimum elong	3117 Apr 08 23:07	18° <b>Ƴ</b> 50'41	0°40'56
· ·	3112 Jan 10 10:03	30° <b>Ŗ</b> Ⅱ		C	3117 Apr 23 07:53	0° <b>႘</b>	
direct	3112 Feb 01 04:57	26° <b>Ⅱ</b> 48'18		max. Earth dist.	3117 May 29 22:54	27° <b>8</b> 47'39	2.40743 AU
	3112 Feb 24 21:33	0ಂತ			3117 Jun 01 22:10	$\Pi^{\circ}0$	
	3112 May 05 03:45	$0^{\circ}\Omega$		asc. node	3117 Jun 12 21:07	8° <b>Ⅲ</b> 04'12	
	3112 Jun 27 15:11	0° <b>m</b> p		morning rise	3117 Jun 16 09:28	10° <b>Ⅲ</b> 38′13	
	3112 Aug 16 09:49	0∘ <b>ত</b>			3117 Jul 13 10:20	$0$ $\circ$ $\odot$	
	3112 Oct 02 15:34	0° <b>M</b>			3117 Aug 26 08:00	$0$ ° $\Omega$	
evening set	3112 Oct 19 04:02	10°M52'18			3117 Oct 12 04:30	0° <b>m</b>	
desc. node	3112 Nov 04 18:39	22°M00'51			3117 Dec 02 16:46	0∘ <b>⊽</b>	
max. Earth dist.	3112 Nov 06 04:39	22°M58'29	2.55470 AU		3118 Feb 11 19:51	0°M₊	
	3112 Nov 16 11:28	0°⊀		retrograde	3118 Mar 06 00:53	2°M42'53	
		_			3118 Mar 26 15:10	30°Ŗ <b>Ω</b>	
conjunction	3112 Dec 06 07:26	13° <b>∡</b> 47'27		opposition	3118 Apr 14 01:45	23° <b>Ω</b> 42'11	2°38'33
minimum elong	3112 Dec 06 06:41	13° <b>∡</b> 46′07	0°18'12	greatest brilliancy	3118 Apr 14 11:21	23° <b>Ω</b> 32'49	-1.4m
	3112 Dec 29 00:55	0°る		min. Earth dist.	3118 Apr 18 02:27	22° <b>Ω</b> 07'50	0.65011 AU
morning rise	3113 Jan 26 22:49	21° <b>る</b> 13'05		direct	3118 May 25 12:16	13° <b>Ω</b> 40'04	
	3113 Feb 07 16:15 3113 Mar 18 22:41	0° <b>≈</b> 0° <b>∀</b>		desc. node	3118 Jun 27 15:48	19° <b>Ω</b> 33'59	
		0° <b>π</b> 0° <b>Υ</b>			3118 Jul 23 12:55	0° <b>M</b> 0° <b>∡</b> 7	
	3113 Apr 26 13:23 3113 Jun 04 09:02	0° <b>∀</b>			3118 Sep 15 01:05 3118 Oct 29 10:57	0° <b>X</b> '	
	3113 Jul 14 10:54	0°II			3118 Oct 29 10.37 3118 Dec 09 00:37	0°≈	
	3113 Jul 14 10:34 3113 Aug 26 05:41	0°©			3119 Jan 16 16:49	0° <b>∺</b>	
asc. node	3113 Aug 20 03:41 3113 Sep 07 22:41	8°920'56			3119 Jan 10 10:49 3119 Feb 23 19:17	0°Υ	
ase. Houe	3113 Sep 07 22:41 3113 Oct 13 22:33	0°Ω			3119 Apr 03 09:25	0°8	
retrograde	3113 Dec 26 20:56	25° <b>Ω</b> 06'07		evening set	3119 Apr 12 16:41	7° <b>8</b> 06'08	
min. Earth dist.	3114 Feb 01 06:57	16° <b>Ω</b> 36'13	0.64064 AU	asc. node	3119 Apr 30 19:49	20° <b>8</b> 45'14	
opposition	3114 Feb 04 23:16	15° <b>Ω</b> 07'50	4°33'08		3119 May 13 07:25	0°II	
greatest brilliancy	3114 Feb 04 08:32	15° <b>Ω</b> 22'35	-1.4m				
direct	3114 Mar 15 20:22	5° <b>Ω</b> 58'11		conjunction	3119 Jun 14 00:04	22° <b>I</b> 52'40	0°27'37
	3114 Jun 01 08:25	0° <b>m</b> p		minimum elong	3119 Jun 13 22:25	22° <b>Ⅱ</b> 49'45	
	3114 Jul 26 13:55	0∘ <b>⊽</b>		3	3119 Jun 24 02:51	0ಂತಾ	
	3114 Sep 13 12:01	0°M₊		max. Earth dist.	3119 Jul 19 17:03	17° <b>©</b> 39'05	2.54098 AU
desc. node	3114 Sep 22 17:33	5°M57'06			3119 Aug 07 01:19	$0^{\circ}\Omega$	
	3114 Oct 28 16:55	0°⊀		morning rise	3119 Aug 08 11:26	0° <b>Ω</b> 56'48	
evening set	3114 Dec 02 18:51	24° <b>₹</b> 144'16			3119 Sep 22 02:33	0° <b>m</b>	
	3114 Dec 10 00:46	0°₹			3119 Nov 09 07:42	0∘ <b>⊽</b>	
max. Earth dist.	3114 Dec 18 21:35		2.42887 AU		3119 Dec 30 17:46	$0^{\circ}$ M	
	3115 Jan 19 03:50	0° <b>≈</b>			3120 Mar 01 11:24	0° <b>∡</b>	
				retrograde	3120 Apr 16 06:38	10° <b>₹</b> 05'29	
conjunction	3115 Jan 28 00:59	6° <b>≈</b> 48'39	-1°00'58	desc. node	3120 May 14 14:02	5° <b>₹</b> 09'24	

opposition greatest brilliancy	3120 May 22 20:49 3120 May 22 23:14	2° ₹ 14'13 2° ₹ 11'59 30° RM		evening set	3125 Jul 26 12:20 3125 Aug 28 23:15	0° m) 21° m) 02'37 0° <u>∩</u>	
min. Earth dist.	3120 May 28 22:12 3120 May 30 07:46 3120 Jul 01 21:23	29°M29'33 22°M46'16	0.55836 AU	max. Earth dist.	3125 Sep 12 02:38 3125 Oct 01 03:39	12° <b>£</b> 09'03	2.66153 AU
direct	3120 Aug 06 06:51	0°×7		conjunction	3125 Oct 13 06:24	19° <b>≏</b> 56'30	0°42'43
	3120 Oct 02 01:07	°ਨ ਨ		minimum elong	3125 Oct 13 07:28	19° <b>≏</b> 58'13	0°42'42
	3120 Nov 14 11:53	0° <b>≈</b>		8	3125 Oct 28 18:37	0°M	
	3120 Dec 24 10:08	0° <b>)</b> €		morning rise	3125 Nov 26 20:25	19°M08'25	
	3121 Feb 01 08:46	$0^{\circ}\mathbf{Y}$			3125 Dec 13 01:49	0° <b>∡</b> ¹	
	3121 Mar 12 17:16	$9^{\circ}$ 8		desc. node	3126 Jan 04 11:07	15° <b>∡</b> 12'43	
asc. node	3121 Mar 17 19:29	3° <b>8</b> 49'18			3126 Jan 25 20:27	0° <b>ප</b>	
	3121 Apr 22 09:31	$\Pi$ °0			3126 Mar 09 04:49	0° <b>≈</b>	
	3121 Jun 03 21:49	$0$ $\circ$			3126 Apr 19 09:55	0° <b>∀</b>	
evening set	3121 Jun 08 20:50	3°524'44			3126 May 30 02:54	0° <b>Υ</b>	
	3121 Jul 18 08:12	$0$ $\circ$ $\Omega$			3126 Jul 10 14:59	0° <b>8</b>	
	2121 7 1 21 21 22	00 0000	1000151		3126 Aug 25 08:56	0°II	
conjunction	3121 Jul 31 01:23	8° <b>Ω</b> 22'26		retrograde	3126 Nov 01 11:23	24° <b>∏</b> 34'11	
minimum elong max. Earth dist.	3121 Jul 31 00:25	8° <b>Ω</b> 20'52	1°03'51 2.63485 AU	asc. node min. Earth dist.	3126 Nov 07 16:49 3126 Nov 30 13:05	24° <b>Ⅱ</b> 16'39 18° <b>Ⅱ</b> 43'03	0.48849 AU
max. Earm dist.	3121 Aug 16 05:33 3121 Sep 02 09:55	0° m)	2.03483 AU	opposition	3126 Dec 08 15:36	18 Щ43 03 15°Щ45'29	1°39'50
morning rise	3121 Sep 16 18:59	ريان 9°Mp11'48		greatest brilliancy	3126 Dec 08 02:16	15° <b>∏</b> 57'42	
morning rise	3121 Oct 19 15:41	0° <u>0</u>		direct	3127 Jan 11 09:16	8° <b>П</b> 34'55	-2.5111
	3121 Dec 06 18:30	0° <b>m</b>		ancer	3127 Mar 22 01:00	0°95	
	3122 Jan 25 03:34	0° <b>∡</b> 7			3127 May 16 17:53	0°N	
	3122 Mar 18 22:05	5°0			3127 Jul 06 17:18	0° <b>™</b>	
desc. node	3122 Apr 01 13:31	7° <b>る</b> 03'05			3127 Aug 24 14:30	0∘ <b>⊽</b>	
	3122 Jun 08 05:52	0° <b>≈</b>		evening set	3127 Oct 04 23:28	26° <b>≏</b> 21'58	
retrograde	3122 Jun 14 11:05	0° <b>≈</b> 13'59			3127 Oct 10 13:22	$0^{\circ}$ M	
	3122 Jun 20 13:21	30°Rる		max. Earth dist.	3127 Oct 26 13:44	10° <b>™</b> 32'41	2.59434 AU
opposition	3122 Jul 16 14:27	24° <b>る</b> 21'16					
greatest brilliancy	3122 Jul 17 23:09	23° <b>ろ</b> 55'58		conjunction	3127 Nov 20 14:11	27° <b>™</b> 22'44	0°01'05
min. Earth dist.	3122 Jul 24 06:49		0.42737 AU	minimum elong	3127 Nov 20 14:13	27°M22'48	0°01'05
direct	3122 Aug 20 11:19	17°る19'03		behind sun begin	3127 Nov 19 18:26	26°M49'05	
	3122 Oct 05 13:47 3122 Nov 24 18:17	0° <b>₩</b>		behind sun end desc. node	3127 Nov 21 10:01	27°M56'33	
	3122 Nov 24 18.17 3123 Jan 06 14:47	0 χ 0°Υ		desc. node	3127 Nov 22 10:22 3127 Nov 24 10:13	28°M38'07 0°⊀	
asc. node	3123 Feb 02 18:25	19° <b>Υ</b> 29'26			3127 Nov 24 10:13 3128 Jan 06 05:10	% ਨ°0	
asc. node	3123 Feb 17 10:46	0°8		morning rise	3128 Jan 08 01:01	0 0 1° <b>る</b> 18'44	
	3123 Apr 01 00:06	0°II		morning rise	3128 Feb 16 04:35	0° <b>≈</b>	
	3123 May 14 23:42	0°50			3128 Mar 26 19:41	0° <b>)</b> €	
	3123 Jun 29 11:31	$0^{\circ}\Omega$			3128 May 04 18:33	$0^{\circ}$ $\Upsilon$	
evening set	3123 Jul 23 00:42	15° <b>Ω</b> 13′01			3128 Jun 12 22:19	$9^{\circ}$ 8	
	3123 Aug 15 02:45	0° <b>m</b>			3128 Jul 23 11:57	$\Pi$ $\circ 0$	
					3128 Sep 05 12:31	$0$ $\circ$ $\odot$	
conjunction	3123 Sep 08 00:33	15°Mp 13'51	1°05'49	asc. node	3128 Sep 24 15:46	11° <b>©</b> 43'51	
minimum elong	3123 Sep 08 01:09	15° <b>m</b> 14'47	1°05'49		3128 Oct 30 03:20	$0$ $\circ$ $\Omega$	
max. Earth dist.	3123 Sep 09 05:39	•	2.67558 AU	retrograde	3128 Dec 12 15:50	10° <b>Ω</b> 34'20	0.60000 111
	3123 Oct 01 05:46	0° <b>™</b>		min. Earth dist.	3129 Jan 16 05:06	2° <b>Ω</b> 42'38	0.60820 AU
morning rise	3123 Oct 22 13:51 3123 Nov 17 05:07	13° <b>≗</b> 35'47 0° <b>™</b>		opposition greatest brilliancy	3129 Jan 21 09:12 3129 Jan 20 13:40	0° <b>Ω</b> 39'26 0° <b>Ω</b> 58'50	4°15'57
	3124 Jan 02 16:13	0 IIC 0° <b>√</b> 7		greatest billiancy	3129 Jan 23 01:09	0 <b>8€</b> 3830	-1.0111
desc. node	3124 Feb 17 12:46	29° <b>∡</b> 56'56		direct	3129 Feb 28 02:31	21°953'59	
dese. Hode	3124 Feb 17 14:38	0°る		direct	3129 Apr 09 07:26	0° <b>Ω</b>	
	3124 Apr 03 08:05	0° <b>≈</b>			3129 Jun 12 11:39	0° <b>m</b> )	
	3124 May 19 20:02	0° <b>)</b> €			3129 Aug 03 18:12	0∘ <u>v</u>	
	3124 Jul 10 12:48	$0^{\circ}\mathbf{Y}$			3129 Sep 20 20:10	$0^{\circ}$ M	
retrograde	3124 Sep 01 19:57	15° <b>Y</b> 43'50		desc. node	3129 Oct 09 09:36	12°M08'39	
min. Earth dist.	3124 Sep 29 07:51	11° <b>Y</b> 14'25	0.37718 AU		3129 Nov 04 20:09	0° <b>∡</b> ¹	
opposition	3124 Oct 03 01:25	10° <b>Ƴ</b> 12'19		evening set	3129 Nov 14 01:53	6° <b>х</b> 23′47	
greatest brilliancy	3124 Oct 02 13:59	10° <b>Y</b> ′20′15	-2.9m	max. Earth dist.	3129 Nov 28 13:52	16° <b>∡</b> ³35'43	2.48074 AU
direct	3124 Nov 01 13:55	5° <b>Υ</b> 12'31			3129 Dec 17 05:18	0°ප	
asc. node	3124 Dec 20 17:12	18° <b>Y</b> 18′21					
	3125 Jan 12 19:56	0° <b>B</b>		conjunction	3130 Jan 05 07:14	14°る02'30	
	3125 Mar 04 17:39	0° <b>I</b> I		minimum elong	3130 Jan 05 05:22	13°る59'02	0~47/28
	3125 Apr 21 18:49 3125 Jun 08 14:23	$0 _{\circ}$ ೮ $0 _{\circ}$ ತಾ		morning rise	3130 Jan 26 12:19	0° <b>≈</b> 29° <b>≈</b> 32'39	
	3123 Juli 08 14:23	0 06		morning rise	3130 Mar 05 19:20	∠7 <b>≈</b> 3∠39	

	3130 Mar 06 09:21	0° <b>∀</b>		greatest brilliancy	3135 May 07 13:41	16°M22'51	-1.6m
	3130 Apr 13 15:31	$0^{\circ}\Upsilon$		min. Earth dist.	3135 May 13 13:00	14°ML06'55	0.60114 AU
greatest brilliancy	3130 May 11 18:24	21° <b>Y</b> 58'08	1.2m	desc. node	3135 Jun 01 05:14	8°M21'27	
	3130 May 22 03:37	$9^{\circ}$ 8		direct	3135 Jun 17 05:06	6°MJ38'51	
	3130 Jun 30 19:43	$\Pi$ $^{\circ}0$			3135 Aug 27 01:09	0° <b>∡</b> ¹	
	3130 Aug 11 16:18	0°€			3135 Oct 14 06:46	0°ප	
asc. node	3130 Aug 12 13:45	0° <b>9</b> 37'04			3135 Nov 25 01:04	0° <b>≈</b>	
	3130 Sep 26 04:46	$0^{\circ}\Omega$			3136 Jan 03 06:23	0° <b>∀</b>	
	3130 Nov 19 00:46	0°Щ			3136 Feb 10 18:01	$0^{\circ}\Upsilon$	
retrograde	3131 Jan 17 03:13	16° Mp 37′25			3136 Mar 20 17:02	0°8	
min. Earth dist.	3131 Feb 25 01:47	7° <b>m</b> 18'08	0.67158 AU	asc. node	3136 Apr 03 11:35	10° <b>8</b> 23'35	
opposition	3131 Feb 26 09:39	6° Mp 46'15	4°30'14		3136 Apr 30 00:10	0°II	
greatest brilliancy	3131 Feb 26 04:11	6° m 51'43	-1.3m	evening set	3136 May 19 08:11	13° <b>Ⅱ</b> 55'58	
	3131 Mar 17 14:08	30°R€			3136 Jun 11 04:08	0ං <b>ව</b>	
direct	3131 Apr 07 15:59	27° <b>Ω</b> 09'05		:	2126 I1 12 21.00	2206220127	0954126
	3131 Apr 30 12:34 3131 Jul 11 02:15	0 <b>் ⊽</b> 0° மி		conjunction	3136 Jul 13 21:09 3136 Jul 13 19:33	22°©20'27 22°©17'46	0°54'26 0°54'25
desc. node		0 <b>≗</b> 27° <b>₽</b> 22'39		minimum elong	3136 Jul 25 08:11	22 <b>3</b> 17 46 0° <b>Ω</b>	0 34 23
desc. node	3131 Aug 27 08:14 3131 Aug 31 13:51	0°M		max. Earth dist.	3136 Aug 06 02:28	0 8€ 7° <b>Ω</b> 46'43	2.60414 AU
	3131 Aug 31 13:31 3131 Oct 16 13:05	0° <b>⊼</b> 1		morning rise	3136 Sep 01 23:11	25° <b>Ω</b> 16'18	2.00414 AU
	3131 Oct 10 13:03 3131 Nov 28 00:26	0°ਤ		morning risc	3136 Sep 09 07:40	0° m	
evening set	3132 Jan 05 21:28	00 29° <b>ろ</b> 06'50			3136 Oct 26 18:49	0° <del>ت</del>	
evening set	3132 Jan 07 01:13	0°≈			3136 Dec 14 18:17	o° <b>m</b> .	
	3132 Feb 14 13:56	0° <b>∀</b>			3137 Feb 04 13:07	0° <b>∡</b> 7	
	3132100 11 13.50	٠,٨			3137 Apr 08 08:26	0° <b>ਨ</b>	
conjunction	3132 Mar 10 03:41	19° <b>)</b> 24'36	-1°00'10	desc. node	3137 Apr 18 04:04	3° <b>る</b> 16'25	
minimum elong	3132 Mar 10 05:58	19° <b>)</b> 29′06		retrograde	3137 May 19 07:46	8° <b>る</b> 25'52	
max. Earth dist.	3132 Mar 14 06:06	22° <b>)</b> 39'12	2.36943 AU	opposition	3137 Jun 22 12:18	1° <b>る</b> 40'28	-3°07'56
	3132 Mar 23 13:15	$0^{\circ}\mathbf{\Upsilon}$		greatest brilliancy	3137 Jun 23 10:47	1° <b>る</b> 21'26	-2.2m
	3132 Apr 30 21:07	0° <b>႘</b>			3137 Jun 27 10:35	30°₽ <b>⋌</b>	
morning rise	3132 May 20 11:47	15° <b>8</b> 02'08		min. Earth dist.	3137 Jul 01 01:08	28° <b>∡</b> ⁴47'43	0.47920 AU
	3132 Jun 09 09:46	$\Pi^{\circ}0$		direct	3137 Jul 30 01:00	23° <b>҂</b> 22'54	
asc. node	3132 Jun 29 13:46	14° <b>∏</b> 47'42			3137 Aug 31 15:30	ರ°0	
	3132 Jul 20 20:49	0°€			3137 Oct 26 01:07	0° <b>≈</b>	
	3132 Sep 02 21:43	$0$ $^{\circ}$ $\Omega$			3137 Dec 07 22:08	0° <b>∀</b>	
	3132 Oct 20 11:50	0° <b>™</b>			3138 Jan 17 08:54	$0^{\circ}\Upsilon$	
	3132 Dec 14 05:20	0∘ <b>ಹ</b>		asc. node	3138 Feb 19 10:18	24° <b>Ƴ</b> 34'09	
retrograde	3133 Feb 19 18:39	19° <b>≏</b> 47'23			3138 Feb 26 19:28	0°B	
opposition	3133 Mar 31 09:23	10° <b>£</b> 28'07			3138 Apr 09 09:06	0°II	
greatest brilliancy	3133 Mar 31 16:50	10° <b>£</b> 20'47	-1.3m		3138 May 22 15:03	0°©	
min. Earth dist.	3133 Apr 02 22:22	9° <b>£</b> 27'59	0.66901 AU	evening set	3138 Jul 06 22:39	0° <b>Ω</b> 13'22	
direct	3133 May 11 19:17	0° <b>£</b> 27'16 18° <b>£</b> 28'00			3138 Jul 06 14:30	0° <b>Ω</b>	
desc. node	3133 Jul 14 06:35 3133 Aug 05 17:46	0°M			3138 Aug 21 22:46	0° <b>т</b> р	
	3133 Sep 24 06:10	0° <b>⊼</b> 1		conjunction	3138 Aug 24 11:14	1° <b>m</b> 36'49	1°08'27
	3133 Sep 24 00:10 3133 Nov 06 17:28	% ਰ°ਰ		minimum elong	3138 Aug 24 11:14	1° Mp 36'57	1°08'27
	3133 Dec 16 23:57	0° <b>≈</b>		max. Earth dist.	3138 Aug 31 02:35	5° <b>m</b> <sub>2</sub> 50' 37'	2.66624 AU
	3134 Jan 24 13:04	0° <b>∀</b>		morning rise	3138 Oct 08 20:36	0° <b>£</b> 31'05	2.00021710
	3134 Mar 03 12:58	$_{0}$ $^{\circ}$ $\gamma$			3138 Oct 08 01:01	0∘ <b>⊽</b>	
evening set	3134 Mar 16 00:43	9° <b>Ƴ</b> 49'06			3138 Nov 24 07:57	0° <b>M</b>	
C	3134 Apr 10 23:47	0°8			3139 Jan 10 14:28	0° <b>∡</b> ¹	
asc. node	3134 May 17 13:31	27° <b>8</b> 39'30			3139 Feb 27 03:32	8°0	
	3134 May 20 17:25	$\Pi^{\circ}0$		desc. node	3139 Mar 06 03:45	4° <b>ට</b> 22'31	
					3139 Apr 17 02:21	0° <b>≈</b>	
conjunction	3134 May 21 15:18	0° <b>Ⅱ</b> 40′23	0°02'44		3139 Jun 11 12:03	0° <b>∀</b>	
minimum elong	3134 May 21 15:05	0° <b>Ⅱ</b> 40′00	0°02'44	retrograde	3139 Aug 02 09:51	13° <b>¥</b> 54'46	
behind sun begin	3134 May 20 12:37	29° <b>8</b> 51'08		opposition	3139 Sep 01 09:05	8° <b>升</b> 58'12	
behind sun end	3134 May 22 17:33	1° <b>Ⅱ</b> 28'46		greatest brilliancy	3139 Sep 01 21:58	8° <b>)</b> 49'40	
	3134 Jul 01 08:23	0°©		min. Earth dist.	3139 Sep 03 04:22	8° <b>)</b> €29'34	0.37456 AU
max. Earth dist.	3134 Jul 05 00:34		2.49106 AU	direct	3139 Oct 01 12:56	3° <b>)</b> 52′29	
morning rise	3134 Jul 20 22:21	13° <b>©</b> 35'53		_	3139 Dec 13 00:08	0° <b>Υ</b>	
	3134 Aug 14 04:21	$\Omega^{\circ}\Omega$		asc. node	3140 Jan 07 09:53	15° <b>Y</b> 24'35	
	3134 Sep 29 09:08	0° <b>Т</b>			3140 Jan 30 03:43	0° <b>Β</b>	
	3134 Nov 17 09:18	0∘ <b>m</b>			3140 Mar 15 18:53	0° <b>I</b>	
notno a J-	3135 Jan 10 18:31	0°M			3140 Apr 30 14:38	$0 {\circ} {\mathfrak C}$	
retrograde opposition	3135 Mar 30 13:38 3135 May 07 07:31	24°M51'49 16°M28'43	1°00'25		3140 Jun 16 06:06 3140 Aug 02 13:09	0° <b>m</b> y	
оррознин	3133 way 0/ 0/.31	10 1162843	1 00 23		5140 Aug 02 15.09	עווי	

evening set	3140 Aug 14 14:26	7° <b>m</b> 37'28			3145 Jul 09 00:47	П°0	
	3140 Sep 18 21:22	0∘ <b>ত</b>			3145 Aug 20 07:49	0°ಅ	
max. Earth dist.	3140 Sep 22 06:46	2° <b>ഫ</b> 09'32	2.67360 AU	asc. node	3145 Aug 29 07:26	6° <b>©</b> 02'58	
					3145 Oct 06 08:20	$0 {\circ} \Omega$	
conjunction	3140 Sep 29 04:41	6° <b>£</b> 34'06			3145 Dec 10 15:01	0° Mp	
minimum elong	3140 Sep 29 05:44	6° <b>Ω</b> 35'46	0°54'11	retrograde	3146 Jan 03 17:19	3° Mp 26'32	
morning rise	3140 Nov 04 14:49 3140 Nov 12 09:07	0°M 5°M02'46		min. Earth dist.	3146 Jan 26 05:55 3146 Feb 10 02:05	30°R <b>Ω</b> 24° <b>Ω</b> 38'06	0.65433 AU
morning risc	3140 Nov 12 09:07 3140 Dec 20 06:31	0° <b>x</b> <sup>7</sup>		opposition	3146 Feb 12 22:38	24 <b>∂</b> €38 00 23° <b>Ω</b> 29'28	4°36'02
desc. node	3141 Jan 21 02:56	21° <b>×</b> <sup>7</sup> 25'33		greatest brilliancy	3146 Feb 12 11:04		-1.4m
	3141 Feb 02 16:34	0°ರ		direct	3146 Mar 24 09:14	14° <b>Ω</b> 08'48	
	3141 Mar 17 23:02	0° <b>≈</b>			3146 May 23 09:13	0° <b>m</b>	
	3141 Apr 29 08:45	0° <b>∀</b>			3146 Jul 20 17:50	0∘ <b>रु</b>	
	3141 Jun 10 17:10	$0$ ° $\mathbf{\gamma}$			3146 Sep 08 10:42	$0^{\circ}$ M	
	3141 Jul 25 08:49	0°B		desc. node	3146 Sep 12 23:07	2°M52'31	
	3141 Sep 28 04:56	0°II			3146 Oct 23 22:07	0° <b>∡</b>	
retrograde	3141 Oct 12 02:07	1° <b>Ⅱ</b> 21'38			3146 Dec 05 07:25	0°る	
min. Earth dist.	3141 Oct 25 15:06 3141 Nov 08 03:59	30°R8	0.43601 AU	evening set	3146 Dec 14 08:24	6°る38'09 22°る00'18	2 40117 411
opposition	3141 Nov 08 03:59 3141 Nov 16 05:59	23° <b>8</b> 39'02		max. Earth dist.	3147 Jan 03 21:39 3147 Jan 14 09:54	0°≈	2.40117 AU
greatest brilliancy	3141 Nov 16 03:39 3141 Nov 16 02:40	23° <b>8</b> 41'49			314/ Jan 14 09.34	0 ~	
asc. node	3141 Nov 10 02:40 3141 Nov 24 08:15	21° <b>8</b> 04'06	2.0111	conjunction	3147 Feb 11 08:04	21° <b>≈</b> 36'21	-1°04'34
direct	3141 Dec 18 03:32	17° <b>8</b> 21'58		minimum elong	3147 Feb 11 07:33	21°≈35'21	
	3142 Feb 05 17:22	$\Pi^{\circ}0$			3147 Feb 22 01:10	0° <b>∀</b>	
	3142 Apr 04 19:22	0ංම			3147 Apr 01 02:21	$0^{\circ}\mathbf{\Upsilon}$	
	3142 May 25 22:15	$0^{\circ}\Omega$		morning rise	3147 Apr 21 07:39	15° <b>Ƴ</b> 53'15	
	3142 Jul 14 08:21	0° <b>m</b> ∕			3147 May 09 10:59	0°B	
_	3142 Aug 31 14:26	0∘ <b>ত</b>			3147 Jun 17 23:38	0°II	
evening set	3142 Sep 20 09:53	12° <b>£</b> 34'26	2 (2502 11)	asc. node	3147 Jul 17 06:07	21° <b>II</b> 20'12	
max. Earth dist.	3142 Oct 16 03:21 3142 Oct 17 09:19	29° <b>₽</b> 11'04 0° <b>I</b> L	2.62702 AU		3147 Jul 29 11:46 3147 Sep 11 20:09	$0 {\circ} {\mathfrak C}$	
	3142 Oct 17 09:19	0.111			3147 Sep 11 20:09 3147 Oct 30 16:40	0° <b>m</b> )	
conjunction	3142 Nov 05 02:22	12° <b>M</b> .19'18	0°18'58		3148 Jan 01 03:50	0∘ <b>ʊ</b>	
minimum elong	3142 Nov 05 03:00		0°18'57	retrograde	3148 Feb 07 02:41	ა — 7° <b>ჲ</b> 07'06	
	3142 Dec 01 09:14	0° <b>∡</b> 7			3148 Mar 11 20:32	30°R Mp	
desc. node	3142 Dec 09 01:30	5° <b>∡</b> 14'59		opposition	3148 Mar 18 02:42	27° m 32'49	3°57'58
morning rise	3142 Dec 21 09:58	13° <b>х</b> 46′46		greatest brilliancy	3148 Mar 18 05:58	27° <b>m</b> 29'35	-1.3m
	3143 Jan 13 12:00	0°ರ		min. Earth dist.	3148 Mar 19 03:28	27° <b>m</b> 08'13	0.67785 AU
	3143 Feb 23 22:05	0° <b>≈</b>		direct	3148 Apr 28 06:02	17° <b>m</b> 38'09	
	3143 Apr 05 00:43	0° <b>)</b> €			3148 Jun 18 14:41	0° <b>⊽</b>	
	3143 May 14 10:50 3143 Jun 23 03:11	0° <b>႘</b>		desc. node	3148 Jul 30 21:48	20° <b>Ω</b> 46'02	
	3143 Jun 23 03:11 3143 Aug 03 14:09	0°U			3148 Aug 16 01:51 3148 Oct 02 15:46	0° <b>M</b> 0° <b>∡</b> 7	
	3143 Sep 19 07:23	0°©			3148 Nov 14 14:17	°ਤ ਹ`ਤ	
asc. node	3143 Oct 12 07:26	12° <b>©</b> 02'21			3148 Dec 24 17:04	0° <b>≈</b>	
retrograde	3143 Nov 28 12:16	24° <b>©</b> 39'05			3149 Feb 01 04:58	0° <b>)</b> €	
min. Earth dist.	3143 Dec 31 00:27	17° <b>5</b> 30'46	0.56672 AU	evening set	3149 Feb 15 09:00	11° <b>)</b> 11′40	
opposition	3144 Jan 06 14:07	14° <b>©</b> 56'58	3°38'57		3149 Mar 11 03:31	$0^{\circ}\mathbf{\Upsilon}$	
greatest brilliancy	3144 Jan 05 16:21	15° <b>©</b> 18'14	-1.8m		3149 Apr 18 12:02	$9^{\circ}$ 8	
direct	3144 Feb 11 22:05	6°542'01			2140 4 27 21 21	#0 <b>.</b>	0005:44
	3144 Apr 26 23:49	$\Omega^{\circ}$		conjunction	3149 Apr 25 01:04	5° <b>8</b> 02'16	
	3144 Jun 21 21:10	0∘ <b>⊽</b> 0∘⊯		minimum elong	3149 Apr 25 03:22	5° <b>႘</b> 06'40 0°Ⅱ	0°25'40
	3144 Aug 11 09:53 3144 Sep 27 22:27	0° <b>M</b>		asc. node	3149 May 28 02:30 3149 Jun 03 05:02	0 Π 4°∏30'42	
desc. node	3144 Oct 26 00:12	18°M33'28		max. Earth dist.	3149 Jun 15 10:27		2.43705 AU
evening set	3144 Oct 28 05:37	20°M03'25		morning rise	3149 Jun 29 19:36	23° <b>II</b> 46'53	2.13700110
, and the second	3144 Nov 11 20:08	0° <b>∡</b> ¹		Č	3149 Jul 08 14:21	0°ಅ	
max. Earth dist.	3144 Nov 13 14:40	1° <b>∡</b> 13'10	2.52989 AU		3149 Aug 21 09:54	$0^{\circ}\Omega$	
					3149 Oct 06 22:06	0° <b>т</b> р	
conjunction	3144 Dec 16 13:05	24° <b>₹</b> 22'31			3149 Nov 26 05:04	0∘ <b>⊽</b>	
minimum elong	3144 Dec 16 11:51	24° <b>∡</b> ′20′18	0°29'22		3150 Jan 25 20:38	0°M	
	3144 Dec 24 08:21	5°0		retrograde	3150 Mar 14 14:52	10°M51'58	2007/20
morning rig-	3145 Feb 02 21:04	0°≈ 4°≈≈17'33		opposition	3150 Apr 22 06:18	2°ML03'19	2°06'20
morning rise	3145 Feb 08 13:08 3145 Mar 14 00:17	4°≈17'33 0° <b>米</b>		greatest brilliancy min. Earth dist.	3150 Apr 22 15:44	1°ML54'11	-1.5m 0.63520 AU
	3145 Mar 14 00:17 3145 Apr 21 11:42	0° <b>Υ</b>		mm. Darui Uist.	3150 Apr 27 02:15 3150 Apr 27 13:55	0°IIԵ1110 30°R <b>≏</b>	0.03320 AU
	3145 May 30 04:02	0°8		direct	3150 Apr 27 13:33 3150 Jun 02 14:38	22° <b>£</b> 03'27	
	51.12.12mg 50 01.02				02 11.50		

desc. node	3150 Jun 17 20:14	23° <b>≏</b> 26'09		minimum elong	3155 Sep 16 04:58	23° m 21'47	1°02'32
dese. node	3150 Jul 11 08:10	0°M			3155 Sep 26 15:18	0° <b>⊡</b>	1 0202
	3150 Sep 08 09:45	0° <b>∡</b> 7		morning rise	3155 Oct 30 10:52	21° <b>Ω</b> 36'19	
	3150 Oct 23 19:35	0° <b>ට</b>		. 8	3155 Nov 12 12:09	0°M	
	3150 Dec 03 17:56	0° <b>≈</b>			3155 Dec 28 15:25	0° <b>∡</b> 7	
	3151 Jan 11 14:15	0° <b>∀</b>		desc. node	3156 Feb 07 18:00	27° <b>₹</b> 11'45	
	3151 Feb 18 19:19	$0^{\circ}\mathbf{\Upsilon}$			3156 Feb 11 22:51	8°0	
	3151 Mar 29 11:49	$8^{\circ}$ 0			3156 Mar 27 14:27	0° <b>≈</b>	
asc. node	3151 Apr 21 04:39	17° <b>8</b> 10'41			3156 May 11 02:22	0° <b>∀</b>	
evening set	3151 Apr 27 02:29	21° <b>8</b> 35'01			3156 Jun 26 05:48	$0^{\circ}\Upsilon$	
	3151 May 08 11:58	$\Pi^{\circ}0$			3156 Aug 25 18:46	$9^{\circ}$ 8	
	3151 Jun 19 09:06	$0$ $\circ$ $\odot$		retrograde	3156 Sep 17 16:01	3° <b>8</b> 29'57	
					3156 Oct 10 18:11	30° <b>₹Ƴ</b>	
conjunction	3151 Jun 25 20:10	4° <b>5</b> 29'58	0°39'10	min. Earth dist.	3156 Oct 14 03:37	29° <b>Y</b> 02'33	0.39212 AU
minimum elong	3151 Jun 25 18:18	4°926'44		opposition	3156 Oct 20 05:30	27° <b>Y</b> 15′04	
max. Earth dist.	3151 Jul 26 22:04	25°542'05	2.56547 AU	greatest brilliancy	3156 Oct 19 14:49	27° <b>Y</b> 25'54	-2.8m
	3151 Aug 02 08:17	$0^{\circ}\Omega$		direct	3156 Nov 19 05:48	21° <b>Y</b> 53'59	
morning rise	3151 Aug 18 02:53	10° <b>Ω</b> 26'17		asc. node	3156 Dec 11 01:47	24° <b>Y</b> 49'39	
	3151 Sep 17 07:27	0° <b>m</b> )			3156 Dec 27 02:02	0° <b>8</b>	
	3151 Nov 04 03:58	0° <b>™</b>			3157 Feb 24 12:08	0° <b>I</b> I	
	3151 Dec 24 10:54	0° <b>M</b>			3157 Apr 15 14:27	0°95	
	3152 Feb 18 18:00	0° <b>∡</b> 7			3157 Jun 03 07:29	0° <b>N</b>	
retrograde	3152 Apr 27 08:09	19° <b>₹</b> 59'00			3157 Jul 21 16:13	0° m/	
desc. node	3152 May 04 19:52	19° <b>∡</b> 738′00	1017117	evening set	3157 Sep 06 03:29	29° m 09'21	
opposition	3152 Jun 02 04:28	12° 🗷 28'45		E 41 11 4	3157 Sep 07 11:29	0° <b>⊽</b>	2 (5152 ATT
greatest brilliancy	3152 Jun 02 13:24	12° <b>₹</b> 20'42		max. Earth dist.	3157 Oct 06 12:25	18° <b>≏</b> 32'49	2.65152 AU
min. Earth dist.	3152 Jun 10 05:31	9°×35'32	0.53125 AU	agniumation	2157 Oct. 21, 10:44	200 0 12146	0924142
direct	3152 Jul 11 12:35	3° <b>メ</b> 20'03 0°る		conjunction	3157 Oct 21 10:44 3157 Oct 21 11:42	28° <b>£</b> 12'46 28° <b>£</b> 14'21	
	3152 Sep 23 10:04 3152 Nov 07 19:52	0°≈		minimum elong	3157 Oct 24 04:33	0°M	0 3441
	3152 Dec 18 11:01	0 <b>≈</b>		morning rise	3157 Dec 05 11:09	28°M01'54	
	3153 Jan 26 18:56	0° <b>Υ</b>		morning rise	3157 Dec 08 09:07	20 11601 34 0°×7	
	3153 Mar 07 10:29	0°8		desc. node	3157 Dec 08 09:07 3157 Dec 25 16:35	0 <b>⊼</b> 11° <b>⊼</b> 47'45	
asc. node	3153 Mar 08 02:26	0° <b>8</b> 29'47		dese. Hode	3158 Jan 20 21:48	0°る	
use. Houe	3153 Apr 17 08:38	0°Ⅱ			3158 Mar 03 21:24	0° <b>≈</b>	
	3153 May 30 01:44	0°e			3158 Apr 13 15:41	0° <b>ℋ</b>	
evening set	3153 Jun 19 13:14	13° <b>9</b> 55'51			3158 May 23 18:57	0°Υ	
	3153 Jul 13 15:36	0°N			3158 Jul 03 09:47	0°8	
					3158 Aug 15 18:52	0°II	
conjunction	3153 Aug 09 05:08	17° <b>Ω</b> 22'42	1°06'53		3158 Oct 10 18:32	0ಂತಾ	
minimum elong	3153 Aug 09 04:35	17° <b>Ω</b> 21'47	1°06'53	asc. node	3158 Oct 29 00:49	5° <b>©</b> 11'43	
max. Earth dist.	3153 Aug 21 19:42	25° <b>Ω</b> 31'40	2.64838 AU	retrograde	3158 Nov 11 19:28	6° <b>5</b> 31'24	
	3153 Aug 28 18:38	0° <b>m</b> )		min. Earth dist.	3158 Dec 12 03:11	0° <b>©</b> 11'47	0.51768 AU
morning rise	3153 Sep 24 22:30	17° <b>m</b> 20'28			3158 Dec 12 15:57	30°RⅡ	
	3153 Oct 14 22:07	0∘ <b>⊽</b>		opposition	3158 Dec 19 20:02	27° <b>∏</b> 17'42	2°33'48
	3153 Dec 01 16:23	0°M₊		greatest brilliancy	3158 Dec 19 01:14	27° <b>∏</b> 35′26	-2.1m
	3154 Jan 19 03:17	0° <b>∡</b> ¹		direct	3159 Jan 23 12:39	19° <b>Ⅱ</b> 41'38	
	3154 Mar 10 08:56	0°₹			3159 Mar 09 17:23	$0$ $\circ$ $\odot$	
desc. node	3154 Mar 22 19:16	7° <b>る</b> 04'17			3159 May 10 02:01	$0$ $^{\circ}$ $\Omega$	
	3154 May 06 08:51	0° <b>≈</b>			3159 Jul 01 08:55	0° <b>m</b>	
retrograde	3154 Jun 30 23:41	14° <b>≈</b> 51'30			3159 Aug 19 18:17	0∘ <b>⊽</b>	
opposition	3154 Aug 01 03:29	9° <b>≈</b> 26'41			3159 Oct 05 22:00	$0^{\circ}$ M	
greatest brilliancy	3154 Aug 02 11:24	9° <b>≈</b> 03'24	-2.7m	evening set	3159 Oct 13 13:38	5°M00'29	
min. Earth dist.	3154 Aug 07 10:08	7° <b>≈</b> 37'27	0.40257 AU	max. Earth dist.	3159 Nov 02 01:12	17°M56'55	2.57342 AU
direct	3154 Sep 03 04:50	3°≈12'03		desc. node	3159 Nov 12 15:27	25°M06'27	
	3154 Nov 14 01:03	0° <b>)</b> €			3159 Nov 19 19:31	0°⊀	
_	3154 Dec 29 21:15	0° <b>Υ</b>			215037 -22	co =	0010:00
asc. node	3155 Jan 24 01:08	17° <b>Y</b> 27'30		conjunction	3159 Nov 29 22:14	6° ₹ 58'20	
	3155 Feb 10 23:57	0° <b>Β</b>		minimum elong	3159 Nov 29 21:50	6° 🖈 57'39	0~09'59
	3155 Mar 26 07:42	0° <b>I</b>		behind sun begin	3159 Nov 29 05:31	6° ₹ 29'23	
	3155 May 09 19:14	0.ಲ		behind sun end	3159 Nov 30 14:09	7° <b>₹</b> 25'57	
oveniet	3155 Jun 24 15:04	0°Ω 22°Ω51/50			3160 Jan 01 12:27	0°궁 12°중40'45	
evening set	3155 Jul 31 19:49	23° <b>Ω</b> 51'50		morning rise	3160 Jan 18 23:26	12° <b>5</b> 40′45 0° <b>≈</b>	
may Forth dist	3155 Aug 10 11:00 3155 Sep 14 10:08	0°M) 22°M-131/41	2 67722 ATT		3160 Feb 11 08:07	0° <b>∺</b>	
max. Earth dist.	3133 sep 14 10:08	41 (1) 41	2.67732 AU		3160 Mar 21 18:48 3160 Apr 29 12:51	0° <b>π</b> 0° <b>Υ</b>	
conjunction	3155 Sep 16 04:08	23° m/20'28	1°02'32		3160 Apr 29 12:31 3160 Jun 07 11:14	0° <b>8</b>	
Jonganetion	5155 Бер 10 04.00	22 My 20 20	1 02 32		5100 July 0/ 11.14	ŷ O	

	3160 Jul 17 16:21	0° <b>I</b> I			3166 Feb 26 14:46	0° <b>Υ</b>	
	3160 Aug 29 19:19	0°9		evening set	3166 Mar 31 22:24	26° <b>Y</b> ′00'46	
asc. node	3160 Sep 14 23:03	10° <b>©</b> 22'53		Č	3166 Apr 06 02:36	0°8	
	3160 Oct 19 01:11	$0^{\circ}\Omega$		asc. node	3166 May 07 19:51	24° <b>8</b> 01'02	
retrograde	3160 Dec 20 21:11	19° <b>Ω</b> 29'24			3166 May 15 21:33	$\Pi^{\circ}0$	
min. Earth dist.	3161 Jan 25 12:06	11° <b>Ω</b> 16′08	0.62732 AU		-		
opposition	3161 Jan 29 20:48	9° <b>Ω</b> 31'45	4°28'17	conjunction	3166 Jun 04 07:03	14° <b>Ⅱ</b> 09'06	0°17'41
greatest brilliancy	3161 Jan 29 03:40	9° <b>Ω</b> 48'49	-1.5m	minimum elong	3166 Jun 04 05:50	14° <b>Ⅱ</b> 06'54	0°17'40
direct	3161 Mar 09 06:44	0° <b>Ω</b> 32'11			3166 Jun 26 13:32	$0$ $\circ$ $\odot$	
	3161 Jun 05 11:27	0° <b>m</b>		max. Earth dist.	3166 Jul 13 20:52	12° <b>©</b> 01'32	2.51953 AU
	3161 Jul 29 08:24	0。 <b>亚</b>		morning rise	3166 Jul 31 18:29	24° <b>©</b> 12'55	
	3161 Sep 15 22:46	$0^{\circ}$ M			3166 Aug 09 09:29	$0^{\circ}\Omega$	
desc. node	3161 Sep 29 14:15	8°M50'55			3166 Sep 24 10:34	0° <b>™</b>	
	3161 Oct 31 02:55	0°⊀			3166 Nov 11 21:37	0∘ <b>亚</b>	
evening set	3161 Nov 24 10:53	17° <b>∡</b> 00'01			3167 Jan 03 06:52	0°M	
max. Earth dist.	3161 Dec 09 03:06		2.45221 AU		3167 Mar 13 14:38	0° <b>∡</b> 7	
	3161 Dec 12 12:36	0°る		retrograde	3167 Apr 09 08:31	3° <b>∡</b> ¹49'54	
		_			3167 May 04 03:09	30°RM	
conjunction	3162 Jan 17 17:55	26° <b>ප්</b> 56'38		opposition	3167 May 16 12:31	25° <b>™</b> 43'25	
minimum elong	3162 Jan 17 16:04	26° <b>る</b> 53'08	0°56'04	greatest brilliancy	3167 May 16 14:21	25° <b>™</b> 41'42	-1.8m
	3162 Jan 21 18:26	0° <b>≈</b>		desc. node	3167 May 22 10:36	23°M30'30	
	3162 Mar 01 13:42	0° <b>∀</b>		min. Earth dist.	3167 May 23 11:27	23°M07'36	0.57861 AU
morning rise	3162 Mar 21 18:30	15° <b>)</b> € 51'21		direct	3167 Jun 26 00:38	16°M03'57	
	3162 Apr 08 17:56	0° <b>Υ</b>			3167 Aug 16 15:17	0° <b>∡</b> 7	
	3162 May 17 04:12	8°0			3167 Oct 07 13:16	0°₹	
1	3162 Jun 25 17:58	0°II			3167 Nov 19 04:43	0° <b>≈</b>	
asc. node	3162 Aug 02 22:58	27° <b>Ⅱ</b> 35'58			3167 Dec 28 19:10	0° <b>ℋ</b> 0° <b>Ƴ</b>	
	3162 Aug 06 09:20	0ం <b>U</b> 0ంత			3168 Feb 05 12:06	0°Y	
	3162 Sep 20 07:13			4-	3168 Mar 15 15:11		
	3162 Nov 10 11:50	0°Mp		asc. node	3168 Mar 24 19:33	6° <b>8</b> 54'50 0° <b>Ⅱ</b>	
retrograde	3163 Jan 24 17:51 3163 Mar 05 23:33	24° Mp 26'54 14° Mp 40'43	4°21'33	ovening set	3168 Apr 25 02:00	0°П 25°П46'51	
opposition min. Earth dist.	3163 Mar 05 11:54	14 m/4043 14° m/52'20		evening set	3168 May 31 07:20 3168 Jun 06 08:57	23 <b>π</b> 46 31	
greatest brilliancy	3163 Mar 05 21:24	14° Mp 42'51	-1.3m		3168 Jul 20 15:13	0°Ω	
direct	3163 Apr 15 15:10	4° Mp 56'09	-1.3111		3106 Jul 20 13.13	0 86	
direct	3163 Jul 03 19:45	0∘ <b>ʊ</b>		conjunction	3168 Jul 23 21:18	2° <b>Ω</b> 09'26	1°00'33
desc. node	3163 Aug 17 13:25	ა <b>_</b> 24° <b>ჲ</b> 51'01		minimum elong	3168 Jul 23 20:02	2° <b>Ω</b> 07'21	1°00'33
dese. Hode	3163 Aug 26 01:39	0°M		max. Earth dist.	3168 Aug 12 04:44	14° <b>Ω</b> 50'43	2.62214 AU
	3163 Oct 11 12:55	0°× <b>7</b> 1		max. Earth dist.	3168 Sep 04 14:45	0° m)	2.02211110
	3163 Nov 23 04:05	0°ප		morning rise	3168 Sep 10 13:44	3° Mp 49'09	
	3164 Jan 02 05:38	0° <b>≈</b>			3168 Oct 21 21:57	0∘ <b>⊽</b>	
evening set	3164 Jan 20 02:31	13° <b>≈</b> 48'57			3168 Dec 09 08:24	0°M₊	
Č	3164 Feb 09 18:06	0° <b>)</b> €					
					3169 Jan 28 13:59	0° <b>⊼</b> ′	
	3164 Mar 18 16:54	$0^{\circ}\mathbf{\Upsilon}$					
	3164 Mar 18 16:54	<b>0°</b> Υ		desc. node	3169 Jan 28 13:59	0° <b>∡</b> ¹	
conjunction	3164 Mar 18 16:54 3164 Mar 26 20:35	0°Υ 6°Υ25'55	-0°50'50	desc. node retrograde	3169 Jan 28 13:59 3169 Mar 25 03:37	ರ°0 ರ°7	
conjunction minimum elong					3169 Jan 28 13:59 3169 Mar 25 03:37 3169 Apr 08 09:49	0° ҂ 0° ठ 6° ठ33'14	-4°16'31
	3164 Mar 26 20:35	6° <b>Ƴ</b> 25'55		retrograde	3169 Jan 28 13:59 3169 Mar 25 03:37 3169 Apr 08 09:49 3169 Jun 02 12:54	0° ҂ 0° ෮ 6° ෮33'14 20° ෮43'48	
	3164 Mar 26 20:35 3164 Mar 26 23:54	6° <b>Y</b> 25'55 6° <b>Y</b> 32'26 0° <b>႘</b>		retrograde opposition	3169 Jan 28 13:59 3169 Mar 25 03:37 3169 Apr 08 09:49 3169 Jun 02 12:54 3169 Jul 05 14:06	0° ҂ 0° ෮ 6° ෮33'14 20° ෮43'48 14° ෮27'02	
minimum elong	3164 Mar 26 20:35 3164 Mar 26 23:54 3164 Apr 26 00:33	6°Y25'55 6°Y32'26 0°8 11°848'04 0°Ⅱ	0°50'49	retrograde opposition greatest brilliancy	3169 Jan 28 13:59 3169 Mar 25 03:37 3169 Apr 08 09:49 3169 Jun 02 12:54 3169 Jul 05 14:06 3169 Jul 06 19:37	0° 🖈 0° පි 6° පි33'14 20° පි43'48 14° පි27'02 14° පි03'09 11° පි46'56 6° පි48'16	-2.4m
minimum elong	3164 Mar 26 20:35 3164 Mar 26 23:54 3164 Apr 26 00:33 3164 May 11 09:16	6° <b>Y</b> 25'55 6° <b>Y</b> 32'26 0° <b>႘</b> 11° <b>႘</b> 48'04	0°50'49	retrograde opposition greatest brilliancy min. Earth dist.	3169 Jan 28 13:59 3169 Mar 25 03:37 3169 Apr 08 09:49 3169 Jun 02 12:54 3169 Jul 05 14:06 3169 Jul 06 19:37 3169 Jul 13 20:38	0° 🗷 0° ට 6° ටි33'14 20° ටි43'48 14° ටි27'02 14° ටි03'09 11° ටි46'56 6° ටි48'16 0° 🌫	-2.4m
minimum elong max. Earth dist.	3164 Mar 26 20:35 3164 Mar 26 23:54 3164 Apr 26 00:33 3164 May 11 09:16 3164 Jun 04 13:12	6°Y25'55 6°Y32'26 0°8 11°848'04 0°Ⅱ	0°50'49	retrograde opposition greatest brilliancy min. Earth dist.	3169 Jan 28 13:59 3169 Mar 25 03:37 3169 Apr 08 09:49 3169 Jun 02 12:54 3169 Jul 05 14:06 3169 Jul 06 19:37 3169 Jul 13 20:38 3169 Aug 10 18:16	0° \$\frac{7}{0}\$°\$\frac{7}{0}\$°\$\frac{7}{0}\$°\$\frac{7}{0}\$°\$\frac{7}{0}\$33'14 20°\$\frac{7}{0}\$43'48 14°\$\frac{7}{0}\$27'02 14°\$\frac{7}{0}\$30'99 11°\$\frac{7}{0}\$46'56 6°\$\frac{7}{0}\$\frac{7}{0}\$\$\frac{7}{0}\$\$\frac{7}{0}\$\$\frac{7}{0}\$\$\frac{7}{0}\$\frac{7}{0}\$\$\frac{7}{0}\$\$\frac{7}{0}\$\$\frac{7}{0}\$\$\frac{7}{0}\$\frac{7}{0}\$\$\frac{7}{0}\$\$\frac{7}{0}\$\$\frac{7}{0}\$\$\frac{7}{0}\$\frac{7}{0}\$\$\frac{7}{0}\$\frac{7}{0}\$\$\frac{7}{0}\$\fr	-2.4m
minimum elong max. Earth dist. morning rise	3164 Mar 26 20:35 3164 Mar 26 23:54 3164 Apr 26 00:33 3164 May 11 09:16 3164 Jun 04 13:12 3164 Jun 05 04:17	6°Y25'55 6°Y32'26 0°℧ 11°℧48'04 0°頂28'02 11°頂18'25 0°©	0°50'49	retrograde opposition greatest brilliancy min. Earth dist.	3169 Jan 28 13:59 3169 Mar 25 03:37 3169 Apr 08 09:49 3169 Jun 02 12:54 3169 Jul 05 14:06 3169 Jul 06 19:37 3169 Jul 13 20:38 3169 Aug 10 18:16 3169 Oct 15 14:02	0°ダ 0°℧ 6°℧33'14 20°℧43'48 14°℧27'02 14°℧03'09 11°℧46'56 6°℧48'16 0°≈ 0°ዧ 0°ዣ	-2.4m
minimum elong max. Earth dist. morning rise	3164 Mar 26 20:35 3164 Mar 26 23:54 3164 Apr 26 00:33 3164 May 11 09:16 3164 Jun 04 13:12 3164 Jun 05 04:17 3164 Jun 19 21:44	6°Y25'55 6°Y32'26 0°႘ 11°႘48'04 0°Ⅱ 0°Ⅱ28'02 11°Ⅱ18'25 0°ℱ 0°ብ	0°50'49	retrograde opposition greatest brilliancy min. Earth dist.	3169 Jan 28 13:59 3169 Mar 25 03:37 3169 Apr 08 09:49 3169 Jun 02 12:54 3169 Jul 05 14:06 3169 Jul 06 19:37 3169 Jul 13 20:38 3169 Aug 10 18:16 3169 Oct 15 14:02 3169 Nov 30 08:44	0°♂ 0°♂ 6°♂33'14 20°♂43'48 14°♂27'02 14°♂03'09 11°♂46'56 6°♂48'16 0°≈ 0°升 0°↑ 21°°¥49'56	-2.4m
minimum elong max. Earth dist. morning rise	3164 Mar 26 20:35 3164 Mar 26 23:54 3164 Apr 26 00:33 3164 May 11 09:16 3164 Jun 04 13:12 3164 Jun 05 04:17 3164 Jun 19 21:44 3164 Jul 15 23:21 3164 Aug 28 20:34 3164 Oct 14 21:27	6°Y25'55 6°Y32'26 0°8 11°848'04 0°II 0°II28'02 11°II18'25 0°S 0°A	0°50'49	retrograde opposition greatest brilliancy min. Earth dist. direct	3169 Jan 28 13:59 3169 Mar 25 03:37 3169 Apr 08 09:49 3169 Jun 02 12:54 3169 Jul 05 14:06 3169 Jul 06 19:37 3169 Jul 13 20:38 3169 Aug 10 18:16 3169 Oct 15 14:02 3169 Nov 30 08:44 3170 Jan 10 22:20 3170 Feb 09 18:46 3170 Feb 21 00:28	0°♂ 0°♂ 6°♂33'14 20°♂43'48 14°♂27'02 14°♂03'09 11°♂46'56 6°♂48'16 0°≈ 0°升 0°भ 21°°¥49'56 0°♂	-2.4m
minimum elong max. Earth dist. morning rise asc. node	3164 Mar 26 20:35 3164 Mar 26 23:54 3164 Apr 26 00:33 3164 May 11 09:16 3164 Jun 04 13:12 3164 Jun 05 04:17 3164 Jun 19 21:44 3164 Jul 15 23:21 3164 Aug 28 20:34	6°Y25'55 6°Y32'26 0°8 11°8'48'04 0°I 0°I28'02 11°I18'25 0°S 0°Ω 0°I 0°I 0°I 0°I	0°50'49	retrograde opposition greatest brilliancy min. Earth dist. direct	3169 Jan 28 13:59 3169 Mar 25 03:37 3169 Apr 08 09:49 3169 Jun 02 12:54 3169 Jul 05 14:06 3169 Jul 06 19:37 3169 Jul 13 20:38 3169 Aug 10 18:16 3169 Oct 15 14:02 3169 Nov 30 08:44 3170 Jan 10 22:20 3170 Feb 09 18:46 3170 Feb 21 00:28 3170 Apr 04 01:12	0°♂ 0°♂ 6°♂33'14 20°♂43'48 14°♂27'02 14°♂03'09 11°♂46'56 6°♂48'16 0°≈ 0°∀ 21°°Y49'56 0°∀ 0°Ы 0°Ы	-2.4m
minimum elong max. Earth dist. morning rise asc. node	3164 Mar 26 20:35 3164 Mar 26 23:54 3164 Apr 26 00:33 3164 May 11 09:16 3164 Jun 04 13:12 3164 Jun 05 04:17 3164 Jun 19 21:44 3164 Jul 15 23:21 3164 Aug 28 20:34 3164 Oct 14 21:27 3164 Dec 06 08:49 3165 Feb 27 19:52	6°Y25'55 6°Y32'26 0°8 11°848'04 0°11 0°128'02 11°118'25 0°© 0°10 0°10 0°10 27°237'00	0°50'49 2.38558 AU	retrograde opposition greatest brilliancy min. Earth dist. direct	3169 Jan 28 13:59 3169 Mar 25 03:37 3169 Apr 08 09:49 3169 Jun 02 12:54 3169 Jul 05 14:06 3169 Jul 06 19:37 3169 Jul 13 20:38 3169 Aug 10 18:16 3169 Oct 15 14:02 3169 Nov 30 08:44 3170 Jan 10 22:20 3170 Feb 09 18:46 3170 Feb 21 00:28 3170 Apr 04 01:12 3170 May 17 15:02	0°\$\frac{\sigma}{0}\cdot \frac{\sigma}{0}\cdot \frac{\sigma}{3}\cdot \frac{14}{20}\cdot \frac{\sigma}{3}\cdot \frac{48}{14}\cdot \frac{\sigma}{2}\cdot \frac{\sigma}{0}\cdot \frac{\sigma}{10}\cdot \frac{\sigma}{4}\cdot \frac{\sigma}{5}\cdot \frac{\sigma}{6}\cdot \frac{\sigma}{4}\cdot \frac{\sigma}{5}\cdot \frac{\sigma}{6}\cdot \frac{\sigma}{4}\cdot \frac{\sigma}{5}\cdot \frac{\sigma}{6}\cdot \	-2.4m
minimum elong max. Earth dist. morning rise asc. node retrograde opposition	3164 Mar 26 20:35 3164 Mar 26 23:54 3164 Apr 26 00:33 3164 May 11 09:16 3164 Jun 04 13:12 3164 Jun 05 04:17 3164 Jun 19 21:44 3164 Jul 15 23:21 3164 Aug 28 20:34 3164 Oct 14 21:27 3164 Dec 06 08:49 3165 Feb 27 19:52 3165 Apr 08 03:49	6°Y25'55 6°Y32'26 0°8 11°8'48'04 0°11 0°128'02 11°118'25 0°© 0°10 0°10 0°10 27°128'00 18°128'00	0°50'49 2.38558 AU 2°58'41	retrograde opposition greatest brilliancy min. Earth dist. direct asc. node	3169 Jan 28 13:59 3169 Mar 25 03:37 3169 Apr 08 09:49 3169 Jun 02 12:54 3169 Jul 05 14:06 3169 Jul 06 19:37 3169 Jul 13 20:38 3169 Aug 10 18:16 3169 Oct 15 14:02 3169 Nov 30 08:44 3170 Jan 10 22:20 3170 Feb 09 18:46 3170 Feb 21 00:28 3170 Apr 04 01:12 3170 May 17 15:02 3170 Jul 01 20:03	0° ৵ 0° ℧ 6° ℧ 33'14 20° ℧ 43'48 14° ℧ 27'02 14° ℧ 30'99 11° ℧ 46'56 6° ℧ 48'16 0° ଛ 0° ℋ 0° ♈ 21° ♈ 49'56 0° ℧ 0° ℿ 0° ⅏ 0° ℿ	-2.4m
minimum elong max. Earth dist. morning rise asc. node  retrograde opposition greatest brilliancy	3164 Mar 26 20:35 3164 Mar 26 23:54 3164 Apr 26 00:33 3164 May 11 09:16 3164 Jun 04 13:12 3164 Jun 05 04:17 3164 Jun 19 21:44 3164 Jul 15 23:21 3164 Aug 28 20:34 3164 Oct 14 21:27 3164 Dec 06 08:49 3165 Feb 27 19:52 3165 Apr 08 03:49 3165 Apr 08 12:40	6°Y25'55 6°Y32'26 0°8 11°8'48'04 0°II 0°I28'02 11°I18'25 0°© 0°I 0°I 27° \$\oldsymbol{\textit{2}}\$ 18° \$\oldsymbol{\textit{2}}\$ 28° \$\oldsymbol{\textit{2}}\$ 38° \$	0°50'49 2.38558 AU 2°58'41 -1.4m	retrograde opposition greatest brilliancy min. Earth dist. direct	3169 Jan 28 13:59 3169 Mar 25 03:37 3169 Apr 08 09:49 3169 Jun 02 12:54 3169 Jul 05 14:06 3169 Jul 06 19:37 3169 Jul 13 20:38 3169 Aug 10 18:16 3169 Oct 15 14:02 3169 Nov 30 08:44 3170 Jan 10 22:20 3170 Feb 09 18:46 3170 Feb 21 00:28 3170 Apr 04 01:12 3170 May 17 15:02 3170 Jul 01 20:03 3170 Jul 16 06:39	0°♂ 0°♂ 6°♂33'14 20°♂43'48 14°♂27'02 14°♂30'09 11°♂46'56 6°♂48'16 0°≈ 0°भ 0°भ 0°भ 0°भ 0°॥ 0°© 0°॥ 0°% 0°% 0°% 0°% 0°% 0°% 0°% 0°% 0°%	-2.4m
minimum elong max. Earth dist. morning rise asc. node  retrograde opposition greatest brilliancy min. Earth dist.	3164 Mar 26 20:35 3164 Mar 26 23:54 3164 Apr 26 00:33 3164 May 11 09:16 3164 Jun 04 13:12 3164 Jun 05 04:17 3164 Jun 19 21:44 3164 Jul 15 23:21 3164 Aug 28 20:34 3164 Oct 14 21:27 3164 Dec 06 08:49 3165 Feb 27 19:52 3165 Apr 08 03:49 3165 Apr 08 12:40 3165 Apr 11 12:37	6°Y25'55 6°Y32'26 0°8 11°8'48'04 0°11 0°128'02 11°118'25 0°\$ 0°\$\Omega\$ 0°\$\Omega\$ 27°\$\omega\$37'00 18°\$\omega\$27'25 18°\$\omega\$18'44 17°\$\omega\$08'14	0°50'49 2.38558 AU 2°58'41 -1.4m	retrograde opposition greatest brilliancy min. Earth dist. direct asc. node	3169 Jan 28 13:59 3169 Mar 25 03:37 3169 Apr 08 09:49 3169 Jun 02 12:54 3169 Jul 05 14:06 3169 Jul 06 19:37 3169 Jul 13 20:38 3169 Aug 10 18:16 3169 Oct 15 14:02 3169 Nov 30 08:44 3170 Jan 10 22:20 3170 Feb 09 18:46 3170 Feb 21 00:28 3170 Apr 04 01:12 3170 May 17 15:02 3170 Jul 01 20:03	0° ৵ 0° ℧ 6° ℧ 33'14 20° ℧ 43'48 14° ℧ 27'02 14° ℧ 30'99 11° ℧ 46'56 6° ℧ 48'16 0° ଛ 0° ℋ 0° ♈ 21° ♈ 49'56 0° ℧ 0° ℿ 0° ⅏ 0° ℿ	-2.4m
minimum elong max. Earth dist. morning rise asc. node  retrograde opposition greatest brilliancy min. Earth dist. direct	3164 Mar 26 20:35 3164 Mar 26 23:54 3164 Apr 26 00:33 3164 May 11 09:16 3164 Jun 04 13:12 3164 Jun 05 04:17 3164 Jun 19 21:44 3164 Jul 15 23:21 3164 Aug 28 20:34 3164 Oct 14 21:27 3164 Dec 06 08:49 3165 Apr 08 03:49 3165 Apr 08 12:40 3165 Apr 11 12:37 3165 May 19 15:21	6°Y25'55 6°Y32'26 0°8 11°8'48'04 0°11 0°128'02 11°118'25 0°\$ 0°\$ 0°\$ 0°\$ 27°\$\oldsymbol{\alpha}37'00 18°\$\oldsymbol{\alpha}27'25 18\oldsymbol{\alpha}18'44 17°\$\oldsymbol{\alpha}08'14 8°\$\oldsymbol{\alpha}25'14	0°50'49 2.38558 AU 2°58'41 -1.4m	retrograde opposition greatest brilliancy min. Earth dist. direct asc. node	3169 Jan 28 13:59 3169 Mar 25 03:37 3169 Apr 08 09:49 3169 Jun 02 12:54 3169 Jul 05 14:06 3169 Jul 06 19:37 3169 Jul 13 20:38 3169 Aug 10 18:16 3169 Oct 15 14:02 3169 Nov 30 08:44 3170 Jan 10 22:20 3170 Feb 09 18:46 3170 Feb 21 00:28 3170 Apr 04 01:12 3170 May 17 15:02 3170 Jul 01 20:03 3170 Jul 01 20:03 3170 Jul 16 06:39 3170 Aug 17 07:15	0° ₹ 0° ₹ 0° ₹ 6° ₹33'14 20° ₹43'48 14° ₹27'02 14° ₹303'09 11° ₹46'56 6° ₹48'16 0° ≈ 0° ¥ 0° ¥ 0° ¥ 0° ¶ 0° \$ 0° \$ 9° \$\text{Q23'42} 0° \$\text{m}	-2.4m 0.44996 AU
minimum elong max. Earth dist. morning rise asc. node  retrograde opposition greatest brilliancy min. Earth dist.	3164 Mar 26 20:35 3164 Mar 26 23:54 3164 Apr 26 00:33 3164 May 11 09:16 3164 Jun 04 13:12 3164 Jun 05 04:17 3164 Jun 19 21:44 3164 Jul 15 23:21 3164 Aug 28 20:34 3164 Oct 14 21:27 3164 Dec 06 08:49 3165 Feb 27 19:52 3165 Apr 08 03:49 3165 Apr 08 12:40 3165 Apr 11 12:37 3165 May 19 15:21 3165 Jul 04 12:16	6°Y25'55 6°Y32'26 0°8 11°8'48'04 0°11 0°128'02 11°118'25 0°\$ 0°\$ 0°\$ 0°\$ 27°\$\oldsymbol{\alpha}37'00 18°\$\oldsymbol{\alpha}27'25 18\oldsymbol{\alpha}18'44 17°\$\oldsymbol{\alpha}08'14 8°\$\oldsymbol{\alpha}25'18	0°50'49 2.38558 AU 2°58'41 -1.4m	retrograde opposition greatest brilliancy min. Earth dist. direct  asc. node  evening set  conjunction	3169 Jan 28 13:59 3169 Mar 25 03:37 3169 Apr 08 09:49 3169 Jun 02 12:54 3169 Jul 05 14:06 3169 Jul 06 19:37 3169 Jul 13 20:38 3169 Aug 10 18:16 3169 Oct 15 14:02 3169 Nov 30 08:44 3170 Jan 10 22:20 3170 Feb 09 18:46 3170 Feb 21 00:28 3170 Apr 04 01:12 3170 May 17 15:02 3170 Jul 01 20:03 3170 Jul 16 06:39 3170 Aug 17 07:15	0° ₹ 0° ₹ 0° ₹ 0° ₹ 6° ₹33'14 20° ₹43'48 14° ₹27'02 14° ₹603'09 11° ₹46'56 6° ₹48'16 0° ≈ 0° ¥ 0° ¥ 0° ¥ 0° ¶ 0° \$ 0° £ 0° £ 0° £ 0° £ 0° £ 0° £ 0° £ 0° £	-2.4m 0.44996 AU 1°07'22
minimum elong max. Earth dist. morning rise asc. node  retrograde opposition greatest brilliancy min. Earth dist. direct	3164 Mar 26 20:35 3164 Mar 26 23:54 3164 Apr 26 00:33 3164 May 11 09:16 3164 Jun 04 13:12 3164 Jun 05 04:17 3164 Jun 19 21:44 3164 Jul 15 23:21 3164 Aug 28 20:34 3164 Oct 14 21:27 3164 Dec 06 08:49 3165 Feb 27 19:52 3165 Apr 08 03:49 3165 Apr 08 12:40 3165 Apr 11 12:37 3165 May 19 15:21 3165 Jul 04 12:16 3165 Jul 04 12:16	6°Y25'55 6°Y32'26 0°8 11°848'04 0°11 0°1128'02 11°118'25 0°\$ 0°\$ 0°\$ 0°\$ 27°\$\oldsymbol{\alpha}37'00 18°\$\oldsymbol{\alpha}27'25 18\oldsymbol{\alpha}18'44 17°\$\oldsymbol{\alpha}08'14 8°\$\oldsymbol{\alpha}25'14 18°\$\oldsymbol{\alpha}52'18 0°\$\mathbf{m}\$	0°50'49 2.38558 AU 2°58'41 -1.4m	retrograde opposition greatest brilliancy min. Earth dist. direct  asc. node  evening set  conjunction minimum elong	3169 Jan 28 13:59 3169 Mar 25 03:37 3169 Apr 08 09:49 3169 Jun 02 12:54 3169 Jul 05 14:06 3169 Jul 06 19:37 3169 Jul 13 20:38 3169 Aug 10 18:16 3169 Nov 30 08:44 3170 Jan 10 22:20 3170 Feb 09 18:46 3170 Feb 21 00:28 3170 Apr 04 01:12 3170 May 17 15:02 3170 Jul 01 20:03 3170 Jul 01 20:03 3170 Jul 16 06:39 3170 Aug 17 07:15  3170 Sep 01 21:10 3170 Sep 01 21:34	0° ₹ 0° ₹ 0° ₹ 0° ₹ 6° ₹33'14 20° ₹43'48 14° ₹27'02 14° ₹303'09 11° ₹46'56 6° ₹48'16 0° ≈ 0° ₹ 0° ₹ 0° ₹ 0° ₹ 0° ₹ 0° ₹ 0° ₹ 0° ₹	-2.4m 0.44996 AU 1°07'22 1°07'23
minimum elong max. Earth dist. morning rise asc. node  retrograde opposition greatest brilliancy min. Earth dist. direct	3164 Mar 26 20:35 3164 Mar 26 23:54 3164 Apr 26 00:33 3164 May 11 09:16 3164 Jun 04 13:12 3164 Jun 05 04:17 3164 Jun 19 21:44 3164 Jul 15 23:21 3164 Aug 28 20:34 3164 Oct 14 21:27 3164 Dec 06 08:49 3165 Apr 08 03:49 3165 Apr 08 12:40 3165 Apr 11 12:37 3165 May 19 15:21 3165 Jul 04 12:16 3165 Jul 28 20:12 3165 Sep 18 10:35	6°Y25'55 6°Y32'26 0°8 11°848'04 0°11 0°1128'02 11°118'25 0°\$ 0°\$ 0°\$ 0°\$ 27°\$\oldsymbol{\alpha}37'00 18°\$\oldsymbol{\alpha}27'25 18°\$\oldsymbol{\alpha}18'44 17°\$\oldsymbol{\alpha}08'14 8°\$\oldsymbol{\alpha}25'18 0°\$\mathbb{\alpha}	0°50'49 2.38558 AU 2°58'41 -1.4m	retrograde opposition greatest brilliancy min. Earth dist. direct  asc. node  evening set  conjunction	3169 Jan 28 13:59 3169 Mar 25 03:37 3169 Apr 08 09:49 3169 Jun 02 12:54 3169 Jul 05 14:06 3169 Jul 06 19:37 3169 Jul 13 20:38 3169 Aug 10 18:16 3169 Oct 15 14:02 3169 Nov 30 08:44 3170 Jan 10 22:20 3170 Feb 09 18:46 3170 Feb 21 00:28 3170 Apr 04 01:12 3170 May 17 15:02 3170 Jul 01 20:03 3170 Jul 01 20:03 3170 Jul 16 06:39 3170 Aug 17 07:15  3170 Sep 01 21:10 3170 Sep 01 21:34 3170 Sep 05 10:16	0° ₹ 0° ₹ 0° ₹ 6° ₹33'14 20° ₹43'48 14° ₹27'02 14° ₹303'09 11° ₹46'56 6° ₹48'16 0° ≈ 0° ₹ 0° ₹ 0° ₹ 0° ₹ 0° ₹ 0° ₹ 0° ₹ 9° ₹23'42 0° ₹ 9° ₹23'42 0° ₹ 9° ₹56'49 9° ₹57'28 12° ₹\$	-2.4m 0.44996 AU 1°07'22
minimum elong max. Earth dist. morning rise asc. node  retrograde opposition greatest brilliancy min. Earth dist. direct	3164 Mar 26 20:35 3164 Mar 26 23:54 3164 Apr 26 00:33 3164 May 11 09:16 3164 Jun 04 13:12 3164 Jun 05 04:17 3164 Jun 19 21:44 3164 Jul 15 23:21 3164 Aug 28 20:34 3164 Oct 14 21:27 3164 Dec 06 08:49 3165 Feb 27 19:52 3165 Apr 08 03:49 3165 Apr 08 12:40 3165 Apr 11 12:37 3165 May 19 15:21 3165 Jul 04 12:16 3165 Jul 28 20:12 3165 Sep 18 10:35 3165 Nov 01 11:26	6°Y25'55 6°Y32'26 0°8 11°8'48'04 0°用 0°用28'02 11°用18'25 0°© 0°和 0°№ 27°至37'00 18°至27'25 18°至18'44 17°至08'14 8°至25'14 18°至52'18 0°肌 0°ズ	0°50'49 2.38558 AU 2°58'41 -1.4m	retrograde opposition greatest brilliancy min. Earth dist. direct  asc. node  evening set  conjunction minimum elong max. Earth dist.	3169 Jan 28 13:59 3169 Mar 25 03:37 3169 Apr 08 09:49 3169 Jun 02 12:54 3169 Jul 05 14:06 3169 Jul 06 19:37 3169 Jul 13 20:38 3169 Aug 10 18:16 3169 Oct 15 14:02 3169 Nov 30 08:44 3170 Jan 10 22:20 3170 Feb 09 18:46 3170 Feb 21 00:28 3170 Apr 04 01:12 3170 May 17 15:02 3170 Jul 01 20:03 3170 Jul 01 20:03 3170 Jul 16 06:39 3170 Aug 17 07:15  3170 Sep 01 21:10 3170 Sep 01 21:34 3170 Sep 05 10:16 3170 Oct 03 09:32	0° ₹ 0° ₹ 0° ₹ 0° ₹ 6° ₹333'14 20° ₹43'48 14° ₹27'02 14° ₹303'09 11° ₹46'56 6° ₹48'16 0° ₹ 0° ₹ 0° ₹ 0° ₹ 0° ₹ 0° ₹ 0° ₹ 9° ₹23'42 0° ₹ 9° ₹55'49 9° ₹55'28 12° ₹12'25 0° €	-2.4m 0.44996 AU 1°07'22 1°07'23
minimum elong max. Earth dist. morning rise asc. node  retrograde opposition greatest brilliancy min. Earth dist. direct	3164 Mar 26 20:35 3164 Mar 26 23:54 3164 Apr 26 00:33 3164 May 11 09:16 3164 Jun 04 13:12 3164 Jun 05 04:17 3164 Jun 19 21:44 3164 Jul 15 23:21 3164 Aug 28 20:34 3164 Oct 14 21:27 3164 Dec 06 08:49 3165 Apr 08 03:49 3165 Apr 08 12:40 3165 Apr 11 12:37 3165 May 19 15:21 3165 Jul 04 12:16 3165 Jul 28 20:12 3165 Sep 18 10:35	6°Y25'55 6°Y32'26 0°8 11°848'04 0°11 0°1128'02 11°118'25 0°\$ 0°\$ 0°\$ 0°\$ 27°\$\oldsymbol{\alpha}37'00 18°\$\oldsymbol{\alpha}27'25 18°\$\oldsymbol{\alpha}18'44 17°\$\oldsymbol{\alpha}08'14 8°\$\oldsymbol{\alpha}25'18 0°\$\mathbb{\alpha}	0°50'49  2.38558 AU  2°58'41 -1.4m	retrograde opposition greatest brilliancy min. Earth dist. direct  asc. node  evening set  conjunction minimum elong	3169 Jan 28 13:59 3169 Mar 25 03:37 3169 Apr 08 09:49 3169 Jun 02 12:54 3169 Jul 05 14:06 3169 Jul 06 19:37 3169 Jul 13 20:38 3169 Aug 10 18:16 3169 Oct 15 14:02 3169 Nov 30 08:44 3170 Jan 10 22:20 3170 Feb 09 18:46 3170 Feb 21 00:28 3170 Apr 04 01:12 3170 May 17 15:02 3170 Jul 01 20:03 3170 Jul 01 20:03 3170 Jul 16 06:39 3170 Aug 17 07:15  3170 Sep 01 21:10 3170 Sep 01 21:34 3170 Sep 05 10:16	0° ₹ 0° ₹ 0° ₹ 6° ₹33'14 20° ₹43'48 14° ₹27'02 14° ₹303'09 11° ₹46'56 6° ₹48'16 0° ≈ 0° ₹ 0° ₹ 0° ₹ 0° ₹ 0° ₹ 0° ₹ 0° ₹ 9° ₹23'42 0° ₹ 9° ₹23'42 0° ₹ 9° ₹56'49 9° ₹57'28 12° ₹\$	-2.4m 0.44996 AU 1°07'22 1°07'23

	3171 Jan 05 07:21	0° <b>∡</b>		min. Earth dist.	3176 Jan 09 23:16	26°950'44	0.59073 AU
	3171 Feb 20 21:12	0° <b>ろ</b>		opposition	3176 Jan 15 19:07	24° <b>©</b> 32'56	4°03'25
desc. node	3171 Feb 24 09:05	2° <b>る</b> 15'02		greatest brilliancy	3176 Jan 14 22:04	24° <b>©</b> 53'42	-1.7m
	3171 Apr 08 18:32	0° <b>≈</b>		direct	3176 Feb 21 22:52	16° <b>©</b> 00'13	
	3171 May 27 17:51	0° <b>∀</b>			3176 Apr 17 00:52	$0 {\circ} \Omega$	
	3171 Aug 02 02:45	$0$ ° $\Upsilon$			3176 Jun 15 19:33	0° <b>m</b> y	
retrograde	3171 Aug 20 12:00	2° <b>Y</b> 10′06			3176 Aug 06 07:38	0∘ <b>⊽</b>	
	3171 Sep 08 02:13	30°Ŗ <b>ℋ</b>			3176 Sep 23 04:51	0°M₊	
opposition	3171 Sep 19 20:57	27° <b>)</b> €03'01	-6°01'39	desc. node	3176 Oct 16 06:03	15° <b>™</b> 08′21	
min. Earth dist.	3171 Sep 18 12:51	27° <b>∺</b> 24'29	0.37174 AU	evening set	3176 Nov 06 15:16	29°M36'26	
greatest brilliancy	3171 Sep 19 18:42	27° <b>₩</b> 04'30	-3.0m		3176 Nov 07 05:00	0° <b>∡</b> ¹	
direct	3171 Oct 19 10:18	22° <b>₩</b> 09'11		max. Earth dist.	3176 Nov 21 15:32	10° <b>∡</b> °00′38	2.50327 AU
	3171 Nov 24 18:45	$0$ ° $\Upsilon$			3176 Dec 19 16:41	8°0	
asc. node	3171 Dec 28 17:25	16° <b>Y</b> 25′20					
	3172 Jan 21 02:33	0°8		conjunction	3176 Dec 27 10:22	5° <b>る</b> 38'19	-0°40'06
	3172 Mar 09 01:28	$\Pi^{\circ}0$		minimum elong	3176 Dec 27 08:43	5° <b>る</b> 35'17	0°40'05
	3172 Apr 24 23:00	0°©			3177 Jan 29 02:56	0° <b>≈</b>	
	3172 Jun 11 04:32	$0^{\circ}\Omega$		morning rise	3177 Feb 22 07:37	18° <b>≈</b> 30'53	
	3172 Jul 28 19:07	0° <b>m</b> )		morning rise	3177 Mar 09 03:07	0° <b>∀</b>	
evening set	3172 Aug 22 21:16	15° Mp 48'59			3177 Apr 16 11:29	0°Υ	
evening set	3172 Aug 22 21:10 3172 Sep 14 06:38	0° <b>ʊ</b>			3177 May 25 00:44	%8 0°8	
max. Earth dist.	•		2.66792 AU		•	0°U	
max. Earm dist.	3172 Sep 27 12:32	8° <b>≏</b> 26'25	2.00/92 AU		3177 Jul 03 17:38	0. о п	
	2172 0 + 07 06 10	1.40.0.40127	00.47150	1	3177 Aug 14 16:18		
conjunction	3172 Oct 07 06:10	14° <b>Ω</b> 40'27	0°47'50	asc. node	3177 Aug 19 14:02	3° <b>©</b> 21'51	
minimum elong	3172 Oct 07 07:15	14° <b>£</b> 42'11	0°47'50		3177 Sep 29 14:51	0° <b>N</b>	
	3172 Oct 30 23:43	0°M			3177 Nov 25 01:10	0° <b>m</b>	
morning rise	3172 Nov 20 14:19	13°M29'02		retrograde	3178 Jan 11 10:29	11° Mp 32'07	
	3172 Dec 15 11:08	0° <b>≯</b>		min. Earth dist.	3178 Feb 18 17:18	2° Mp 26'08	0.66522 AU
desc. node	3173 Jan 11 07:15	18° <b>₰</b> 09'10		opposition	3178 Feb 20 17:35	1° <b>m</b> √37'50	4°34'12
	3173 Jan 28 13:05	0° <b>ප</b>		greatest brilliancy	3178 Feb 20 09:25	1° Mp 46'00	-1.3m
	3173 Mar 12 07:07	0° <b>≈</b>			3178 Feb 24 20:16	$30^\circ$ R $\Omega$	
	3173 Apr 23 00:07	0° <b>∀</b>		direct	3178 Apr 01 16:17	22° <b>Ω</b> 07'29	
	3173 Jun 03 07:25	$0$ ° $\Upsilon$			3178 May 11 13:51	0° <b>m</b> ∕	
	3173 Jul 15 19:02	0°B			3178 Jul 14 13:06	0∘ <b>ত</b>	
	3173 Sep 02 16:36	$\Pi^{\circ}0$		desc. node	3178 Sep 03 04:33	29° <b>≏</b> 56'34	
retrograde	3173 Oct 24 00:11	15° <b>Ⅱ</b> 25'55			3178 Sep 03 06:44	$0^{\circ}$ M.	
asc. node	3173 Nov 14 16:45	12° <b>Ⅲ</b> 02'11			3178 Oct 19 02:13	0° <b>∡</b> ¹	
min. Earth dist.	3173 Nov 21 03:34	9° <b>Ⅱ</b> 58'10	0.46454 AU		3178 Nov 30 14:05	გ∘ე	
opposition	3173 Nov 29 09:36	7° <b>Ⅱ</b> 03'17	0°50'27	evening set	3178 Dec 26 16:44	19° <b>る</b> 22'08	
greatest brilliancy	3173 Nov 29 02:30	7° <b>Ⅱ</b> 09'34	-2.4m	Ü	3179 Jan 09 16:31	0° <b>≈</b>	
direct	3174 Jan 01 07:06	0° <b>Ⅱ</b> 15'46		max. Earth dist.	3179 Jan 29 16:51	15° <b>≈</b> 27'13	2.37815 AU
	3174 Mar 27 16:03	0ಂತಾ			3179 Feb 17 06:52	0° <b>)</b> €	
	3174 May 20 00:26	$0^{\circ}\Omega$			5177100 17 00.02	٠,٨	
	3174 Jul 09 06:13	0° <b>m</b> )		conjunction	3179 Feb 26 15:10	7° <b>)</b> 21'48	-1°03'56
	3174 Aug 26 20:56	0∘ <b>ರ</b> ೧.ಗಿ		minimum elong	3179 Feb 26 16:12	7° <b>¥</b> 23'48	
evening set	3174 Sep 28 16:50	20° <b>≏</b> 52'05		minimum ciong	3179 Mar 27 06:51	0°Υ	1 03 30
evening set	3174 Oct 12 18:52	0°M			3179 May 04 14:16	%8 0°8	
max. Earth dist.	3174 Oct 12 18:32 3174 Oct 22 00:26	6°M03'09	2.60983 AU	morning rise	3179 May 04 14:10 3179 May 08 14:05	3° <b>8</b> 05'05	
max. Lattii dist.	3174 OCt 22 00.20	0 11005 07	2.00703 AC	morning risc	3179 Jun 13 01:45	0°II	
aaniumatian	3174 Nov 13 20:00	210 <b>m</b> 14126	0°08'49	aga mada	3179 Jul 07 13:44	17° <b>∏</b> 57'05	
conjunction		21°M14'36		asc. node	3179 Jul 07 13:44 3179 Jul 24 11:32	0° <b>©</b>	
minimum elong	3174 Nov 13 20:19	21°M15'08	0°08'47				
behind sun begin	3174 Nov 13 03:39	20°M47'05			3179 Sep 06 13:18	$\Omega^{\circ}\Omega$	
behind sun end	3174 Nov 14 12:59	21°M43'13			3179 Oct 24 11:48	0° <b>m</b> y	
	3174 Nov 26 17:55	0° <b>∡</b> 7			3179 Dec 20 06:14	0∘ <b>⊽</b>	
desc. node	3174 Nov 29 06:37	1° <b>×</b> <sup>7</sup> 43'43		retrograde	3180 Feb 14 21:08	14° <b>£</b> 51'02	
morning rise	3174 Dec 31 05:24	23° <b>∡</b> ′57′51		opposition	3180 Mar 25 17:08	5° <b>Ω</b> 24'34	3°39'12
	3175 Jan 08 17:14	0°る		greatest brilliancy	3180 Mar 25 22:54	5° <b>≏</b> 18'53	-1.3m
	3175 Feb 18 21:56	0° <b>≈</b>		min. Earth dist.	3180 Mar 27 14:04	4° <b>≏</b> 40'09	0.67430 AU
	3175 Mar 30 18:31	0° <b>∀</b>			3180 Apr 09 05:04	30°R, Mp	
	3175 May 08 22:07	$0^{\circ}\Upsilon$		direct	3180 May 06 01:29	25° Mp 25'58	
	3175 Jun 17 06:19	$9^{\circ}$ 8			3180 Jun 04 07:11	0∘ <b>⊽</b>	
	3175 Jul 28 02:36	$\Pi^{\circ}0$		desc. node	3180 Jul 21 02:55	19° <b>≙</b> 29'08	
	3175 Sep 10 21:26	$0$ $\circ$ $\odot$			3180 Aug 09 14:00	$0^{\circ}$ M	
asc. node	3175 Oct 02 16:02	12° <b>5</b> 43'50			3180 Sep 27 06:21	0° <b>∡</b>	
	3175 Nov 10 18:00	$0^{\circ}\Omega$			3180 Nov 09 13:24	5°0	
retrograde	3175 Dec 07 07:22	4° <b>Ω</b> 23′26			3180 Dec 19 19:06	0° <b>≈</b>	
	3176 Jan 01 08:45	30° <b>₹</b> 5			3181 Jan 27 08:11	0° <b>)</b> €	

evening set	3181 Mar 03 11:20	27° <b>) (</b> 45'43			3185 Oct 10 05:11	0∘ <b>⊽</b>	
<i>8</i>	3181 Mar 06 07:22	$0^{\circ}\Upsilon$			3185 Nov 26 16:28	0°M	
	3181 Apr 13 16:26	0°8			3186 Jan 13 10:01	0° <b>∡</b> ¹	
	•				3186 Mar 02 22:47	0°ප	
conjunction	3181 May 10 10:31	20° <b>8</b> 23'18	-0°09'24	desc. node	3186 Mar 13 00:00	6° <b>る</b> 04'39	
minimum elong	3181 May 10 11:20	20° <b>8</b> 24'49	0°09'24		3186 Apr 23 06:54	0° <b>≈</b>	
behind sun begin	3181 May 09 12:31	19° <b>8</b> 41'55			3186 Jul 05 10:34	0° <b>)</b> €	
behind sun end	3181 May 11 10:09	21° <b>8</b> 07'41		retrograde	3186 Jul 18 22:15	1° <b>)</b> €06'16	
	3181 May 23 07:35	$\Pi$ $^{\circ}0$			3186 Aug 01 06:49	30° <b>₹</b> ≈	
asc. node	3181 May 24 13:36	0° <b>Ⅱ</b> 55'34		opposition	3186 Aug 18 05:42	26° <b>≈</b> 02'51	-6°42'12
max. Earth dist.	3181 Jun 27 10:56	25° <b>Ⅱ</b> 29'57	2.46718 AU	greatest brilliancy	3186 Aug 19 05:40	25° <b>≈</b> 46′29	-2.8m
	3181 Jul 03 19:37	0		min. Earth dist.	3186 Aug 22 08:29	24° <b>≈</b> 55'37	0.38386 AU
morning rise	3181 Jul 12 03:57	5° <b>©</b> 51'03		direct	3186 Sep 18 11:53	20° <b>≈</b> 32'03	
	3181 Aug 16 13:39	$0^{\circ}\Omega$			3186 Oct 28 01:33	0° <b>)</b> €	
	3181 Oct 01 19:29	0° <b>™</b>			3186 Dec 20 16:41	0° <b>Υ</b>	
	3181 Nov 20 05:15	0∘ <b>ಹ</b>		asc. node	3187 Jan 14 10:10	16° <b>Y</b> 11'31	
	3182 Jan 15 10:11	0°M₊			3187 Feb 03 23:23	0°8	
retrograde	3182 Mar 23 12:27	19°M13'33			3187 Mar 20 08:57	$\Pi$ $^{\circ}0$	
opposition	3182 Apr 30 17:18	10°M38'13	1°29'42		3187 May 04 11:52	0°€	
greatest brilliancy	3182 May 01 01:20	10°M30'31	-1.6m		3187 Jun 19 17:08	$0$ $^{\circ}\Omega$	
min. Earth dist.	3182 May 06 08:25	8°M28'54	0.61762 AU		3187 Aug 05 18:25	0° <b>m</b>	
desc. node	3182 Jun 08 01:51	0°M45'45		evening set	3187 Aug 09 08:19	2°Mp 16'14	
direct	3182 Jun 10 21:22	0°M42'42		max. Earth dist.	3187 Sep 19 14:55	•	2.67634 AU
	3182 Sep 01 00:29	0° <b>∡</b> 7			3187 Sep 22 00:51	0∘ <b>⊽</b>	
	3182 Oct 17 21:58	0° <b>ප</b>			2107.0	1000000	00.5010.4
	3182 Nov 28 07:32	0° <b>≈</b>		conjunction	3187 Sep 24 05:05	1° <b>Ω</b> 23'09	0°58'04
	3183 Jan 06 08:59	0° <b>)</b> €		minimum elong	3187 Sep 24 06:04	1° <b>£</b> 24'43	0°58'04
	3183 Feb 13 17:16	$^{\circ \gamma}$		morning rise	3187 Nov 07 09:11	29° <b>Ω</b> 42'28	
1	3183 Mar 24 12:24	0°8			3187 Nov 07 20:02	0°M 0°. <b>₹</b>	
asc. node	3183 Apr 11 11:50	13° <b>႘</b> 35'38 0° <b>Ⅱ</b>		daga mada	3187 Dec 23 17:03	0° ⊀ 24° ⊀ 13'42	
ovening set	3183 May 03 15:15 3183 May 10 14:46	о° <b>П</b> 5° <b>П</b> 05'17		desc. node	3188 Jan 28 23:30 3188 Feb 06 12:29	24° <b>x</b> ·13°42	
evening set	3183 Jun 14 14:45	о° <b>©</b>			3188 Mar 21 08:19	0°≈	
	3103 Juli 14 14.43	0 3			3188 May 03 12:54	0 <b>∞</b> 0° <b>∀</b>	
conjunction	3183 Jul 06 22:32	15° <b>©</b> 23'04	0°48'43		3188 Jun 16 02:12	0°Υ	
minimum elong	3183 Jul 06 20:45	15° <b>©</b> 20'01	0°48'41		3188 Aug 02 18:47	%8 0°8	
g	3183 Jul 28 15:17	0°N	0 10 11	retrograde	3188 Oct 02 01:26	20° <b>8</b> 15'10	
max. Earth dist.	3183 Aug 02 14:27	3° <b>Ω</b> 18'04	2.58787 AU	min. Earth dist.	3188 Oct 28 14:28		0.41457 AU
morning rise	3183 Aug 27 08:07	19° <b>Ω</b> 32'05		opposition	3188 Nov 05 02:20	13° <b>8</b> 10'20	
8 33	3183 Sep 12 13:15	0° m/		greatest brilliancy	3188 Nov 04 16:27	13° <b>8</b> 18'14	-2.7m
	3183 Oct 30 03:09	0° <del>ٽ</del>		asc. node	3188 Dec 01 08:49	7° <b>8</b> 28'09	
	3183 Dec 18 13:35	0°M,		direct	3188 Dec 06 03:44	7° <b>8</b> 18'58	
	3184 Feb 09 19:28	0° <b>∡</b> ¹			3189 Feb 14 08:18	$\Pi^{\circ}0$	
desc. node	3184 Apr 25 00:37	29° <b>∡</b> ¹23'29			3189 Apr 08 22:00	0° <b>©</b>	
	3184 Apr 29 10:48	ರ∘ರ			3189 May 28 20:06	$0^{\circ}\Omega$	
retrograde	3184 May 09 07:58	0° <b>る</b> 34'32			3189 Jul 16 18:07	0° <b>m</b> y	
	3184 May 18 23:06	30°₽ <b>₰</b>			3189 Sep 02 19:38	0∘ <b>ত</b>	
opposition	3184 Jun 13 07:25	23° <b>渘</b> ¹27'58	-2°18'32	evening set	3189 Sep 14 06:54	7° <b>≏</b> 16'09	
greatest brilliancy	3184 Jun 14 00:00	23° <b>х</b> 13′30	-2.1m	max. Earth dist.	3189 Oct 12 01:04	25° <b>≏</b> 05'14	2.63905 AU
min. Earth dist.	3184 Jun 21 17:48	20° <b>∡</b> 31'51	0.50296 AU		3189 Oct 19 14:24	$0^{\circ}$ M	
direct	3184 Jul 21 18:34	14° <b>₹</b> 44'22					
	3184 Sep 12 04:18	0°ප		conjunction	3189 Oct 29 17:34	6°M38'08	0°25'50
	3184 Oct 31 10:27	0° <b>≈</b>		minimum elong	2100 0 . 20 10 22	6° <b>™</b> 39'27	0°25'49
				minimum ciong	3189 Oct 29 18:22		
	3184 Dec 12 03:16	0° <b>∀</b>		_	3189 Dec 03 17:14	0° <b>∡</b> 7	
	3184 Dec 12 03:16 3185 Jan 21 00:14	$0^{\circ}$ Y		morning rise	3189 Dec 03 17:14 3189 Dec 14 09:11	0° <b>҂</b> 7° <b>҂</b> 16'12	
asc. node	3184 Dec 12 03:16 3185 Jan 21 00:14 3185 Feb 26 10:28	0° <b>Υ</b> 27° <b>Υ</b> 20'25		_	3189 Dec 03 17:14 3189 Dec 14 09:11 3189 Dec 15 22:05	0° ☎ 7° ☎ 16'12 8° ☎ 19'26	
asc. node	3184 Dec 12 03:16 3185 Jan 21 00:14 3185 Feb 26 10:28 3185 Mar 02 00:28	0°Υ 27°Υ20'25 0°႘		morning rise	3189 Dec 03 17:14 3189 Dec 14 09:11 3189 Dec 15 22:05 3190 Jan 16 01:19	0° <b>소</b> 7° <b>소</b> 16'12 8° <b>소</b> 19'26 0° <b>궁</b>	
asc. node	3184 Dec 12 03:16 3185 Jan 21 00:14 3185 Feb 26 10:28 3185 Mar 02 00:28 3185 Apr 12 05:31	0°Υ 27°Υ20'25 0°႘ 0°Ⅱ		morning rise	3189 Dec 03 17:14 3189 Dec 14 09:11 3189 Dec 15 22:05 3190 Jan 16 01:19 3190 Feb 26 17:51	0°♂ 7°♂16'12 8°♂19'26 0°♂ 0°≈	
	3184 Dec 12 03:16 3185 Jan 21 00:14 3185 Feb 26 10:28 3185 Mar 02 00:28 3185 Apr 12 05:31 3185 May 25 04:06	0° <b>Υ</b> 27° <b>Υ</b> 20'25 0° <b>႘</b> 0° <b>Ц</b> 0° <b>©</b>		morning rise	3189 Dec 03 17:14 3189 Dec 14 09:11 3189 Dec 15 22:05 3190 Jan 16 01:19 3190 Feb 26 17:51 3190 Apr 08 03:26	0°♂ 7°♂16'12 8°♂19'26 0°♂ 0°≈ 0°∺	
asc. node	3184 Dec 12 03:16 3185 Jan 21 00:14 3185 Feb 26 10:28 3185 Mar 02 00:28 3185 Apr 12 05:31 3185 May 25 04:06 3185 Jun 29 15:57	0°Y 27°Y20'25 0°B 0°B 0°© 23°©53'18		morning rise	3189 Dec 03 17:14 3189 Dec 14 09:11 3189 Dec 15 22:05 3190 Jan 16 01:19 3190 Feb 26 17:51 3190 Apr 08 03:26 3190 May 17 20:25	0° ₹ 7° ₹16'12 8° ₹19'26 0° ₹ 0° ₩ 0° ₩ 0° ₩	
	3184 Dec 12 03:16 3185 Jan 21 00:14 3185 Feb 26 10:28 3185 Mar 02 00:28 3185 Apr 12 05:31 3185 May 25 04:06	0° <b>Υ</b> 27° <b>Υ</b> 20'25 0° <b>႘</b> 0° <b>Ц</b> 0° <b>©</b>		morning rise	3189 Dec 03 17:14 3189 Dec 14 09:11 3189 Dec 15 22:05 3190 Jan 16 01:19 3190 Feb 26 17:51 3190 Apr 08 03:26 3190 May 17 20:25 3190 Jun 26 20:16	0°♂ 7°♂16'12 8°♂19'26 0°云 0°≈ 0°升 0°Ƴ	
evening set	3184 Dec 12 03:16 3185 Jan 21 00:14 3185 Feb 26 10:28 3185 Mar 02 00:28 3185 Apr 12 05:31 3185 May 25 04:06 3185 Jun 29 15:57 3185 Jul 08 22:00	0°Y 27°Y20'25 0°႘ 0°瓜 0°ឆ 23°\$53'18 0°Ω	1000110	morning rise	3189 Dec 03 17:14 3189 Dec 14 09:11 3189 Dec 15 22:05 3190 Jan 16 01:19 3190 Feb 26 17:51 3190 Apr 08 03:26 3190 May 17 20:25 3190 Jun 26 20:16 3190 Aug 07 21:10	0°♂ 7°♂16'12 8°♂19'26 0°云 0°≈ 0°升 0°Y 0°B 0°Ⅱ	
evening set	3184 Dec 12 03:16 3185 Jan 21 00:14 3185 Feb 26 10:28 3185 Mar 02 00:28 3185 Apr 12 05:31 3185 May 25 04:06 3185 Jun 29 15:57 3185 Jul 08 22:00 3185 Aug 18 01:13	0°Y 27°Y20'25 0°B 0°I 0°S 23°S53'18 0°A	1°08'19	morning rise desc. node	3189 Dec 03 17:14 3189 Dec 14 09:11 3189 Dec 15 22:05 3190 Jan 16 01:19 3190 Feb 26 17:51 3190 Apr 08 03:26 3190 May 17 20:25 3190 Jun 26 20:16 3190 Aug 07 21:10 3190 Sep 25 17:30	0°♂ 7°♂16'12 8°♂19'26 0°云 0°≈ 0°升 0°Y 0°Y 0°Ⅱ 0°ॼ	
evening set	3184 Dec 12 03:16 3185 Jan 21 00:14 3185 Feb 26 10:28 3185 Mar 02 00:28 3185 Apr 12 05:31 3185 May 25 04:06 3185 Jun 29 15:57 3185 Jul 08 22:00 3185 Aug 18 01:13 3185 Aug 18 01:02	0°Y 27°Y20'25 0°B 0°I 0°S 23°S53'18 0°A 26°A05'55 26°A05'37	1°08'19 1°08'20	morning rise desc. node	3189 Dec 03 17:14 3189 Dec 14 09:11 3189 Dec 15 22:05 3190 Jan 16 01:19 3190 Feb 26 17:51 3190 Apr 08 03:26 3190 May 17 20:25 3190 Jun 26 20:16 3190 Aug 07 21:10 3190 Sep 25 17:30 3190 Oct 19 07:31	0°♂ 7°♂16'12 8°♂19'26 0°云 0°云 0°云 0°∀ 0°Y 0°S 0°I 0°© 10°©45'09	
evening set  conjunction  minimum elong	3184 Dec 12 03:16 3185 Jan 21 00:14 3185 Feb 26 10:28 3185 Mar 02 00:28 3185 Apr 12 05:31 3185 May 25 04:06 3185 Jun 29 15:57 3185 Jul 08 22:00 3185 Aug 18 01:13 3185 Aug 18 01:02 3185 Aug 24 02:56	0°Y 27°Y20'25 0°B 0°I 0°S 23°S53'18 0°A 26°A05'55 26°A05'37 0°M	1°08'20	morning rise desc. node	3189 Dec 03 17:14 3189 Dec 14 09:11 3189 Dec 15 22:05 3190 Jan 16 01:19 3190 Feb 26 17:51 3190 Apr 08 03:26 3190 May 17 20:25 3190 Jun 26 20:16 3190 Aug 07 21:10 3190 Sep 25 17:30 3190 Oct 19 07:31 3190 Nov 21 13:13	0° ₹ 7° ₹16'12 8° ₹19'26 0° ₹ 0° ¥ 0° ¥ 0° ¥ 0° ¶ 0° \$ 10° \$\$45'09 17° \$\$36'44	0.54561.411
evening set	3184 Dec 12 03:16 3185 Jan 21 00:14 3185 Feb 26 10:28 3185 Mar 02 00:28 3185 Apr 12 05:31 3185 May 25 04:06 3185 Jun 29 15:57 3185 Jul 08 22:00 3185 Aug 18 01:13 3185 Aug 18 01:02	0°Y 27°Y20'25 0°B 0°I 0°S 23°S53'18 0°A 26°A05'55 26°A05'37 0°M		morning rise desc. node	3189 Dec 03 17:14 3189 Dec 14 09:11 3189 Dec 15 22:05 3190 Jan 16 01:19 3190 Feb 26 17:51 3190 Apr 08 03:26 3190 May 17 20:25 3190 Jun 26 20:16 3190 Aug 07 21:10 3190 Sep 25 17:30 3190 Oct 19 07:31	0°♂ 7°♂16'12 8°♂19'26 0°云 0°云 0°云 0°∀ 0°Y 0°S 0°I 0°© 10°©45'09	0.54561 AU -1.9m

opposition	3190 Dec 30 05:41	8°505'02	3°15'42	minimum elong	3196 Apr 12 14:33	23° <b>Y</b> 19'34	0°37'28
direct	3191 Feb 03 21:27	0° <b>©</b> 06'19			3196 Apr 21 04:56	0° <b>႘</b>	
	3191 May 02 15:24	$0^{\circ}\Omega$			3196 May 30 17:27	$\Pi^{\circ}$	
	3191 Jun 25 19:06	0° <b>m</b>		max. Earth dist.	3196 Jun 03 10:38	2° <b>Ⅱ</b> 45′18	2.41282 AU
	3191 Aug 14 20:09	0∘ <b>亚</b>		asc. node	3196 Jun 10 05:08	7° <b>Ⅱ</b> 44'39	
	3191 Oct 01 05:49	$0^{\circ}$ M		morning rise	3196 Jun 19 14:02	14° <b>Ⅱ</b> 34'59	
evening set	3191 Oct 22 09:18	13° <b>M</b> 54'50			3196 Jul 11 03:10	0ං <b>ම</b>	
desc. node	3191 Nov 02 20:56	21°M37'01			3196 Aug 23 21:32	$0$ $^{\circ}$ $\Omega$	
max. Earth dist.	3191 Nov 08 23:26	25°M45'22	2.55022 AU		3196 Oct 09 12:41	0° <b>™</b>	
	3191 Nov 15 04:32	0° <b>∡</b> 7			3196 Nov 29 11:46	0∘ <b>⊽</b>	
					3197 Feb 03 07:59	$0^{\circ}$ M	
conjunction	3191 Dec 09 17:02	17° <b>х</b> 03′50	-0°21'11	retrograde	3197 Mar 08 03:39	5°M36'28	
minimum elong	3191 Dec 09 16:10	17° <b>∡</b> *02'17	0°21'10		3197 Apr 07 04:10	30°Ŗ <b>죠</b>	
	3191 Dec 27 20:02	0°る		opposition	3197 Apr 16 03:43	26° <b>≏</b> 37'55	
morning rise	3192 Jan 30 18:13	24° <b>る</b> 55'28		greatest brilliancy	3197 Apr 16 13:10	26° <b>≏</b> 28'43	-1.4m
	3192 Feb 06 12:38	0° <b>≈</b>		min. Earth dist.	3197 Apr 20 08:14	25° <b>₾</b> 00'09	0.64744 AU
	3192 Mar 16 19:38	0° <b>)</b> €		direct	3197 May 27 14:58	16° <b>≏</b> 36'19	
	3192 Apr 24 10:03	0° <b>Υ</b>		desc. node	3197 Jun 24 16:38	20° <b>≏</b> 58'19	
	3192 Jun 02 04:18	0° <b>B</b>			3197 Jul 19 01:29	0° <b>M</b> 0°. <b>⊼</b>	
	3192 Jul 12 03:06	0° <b>©</b> ∏°0			3197 Sep 12 04:39	0°る	
1-	3192 Aug 23 15:20				3197 Oct 27 00:39	0° <b>≈</b>	
asc. node	3192 Sep 05 07:47 3192 Oct 10 13:24	8° <b>©</b> 25'07 0° <b>Ω</b>			3197 Dec 06 18:54	0° <b>∺</b>	
ratragrada	3192 Dec 28 21:10	28°Ω03'20			3198 Jan 14 13:18 3198 Feb 21 16:24	0 K 0°Υ	
retrograde min. Earth dist.	3193 Feb 03 12:07	28 <b>δι</b> 03 20 19° <b>Ω</b> 30'11	0.64344 AU		3198 Apr 01 05:59	0°8	
greatest brilliancy	3193 Feb 06 10:52	19° <b>Ω</b> 19'31	-1.4m	evening set	3198 Apr 16 00:57	11° <b>8</b> 16'27	
opposition	3193 Feb 00 10:32 3193 Feb 07 01:02	18° <b>Ω</b> 05'21		asc. node	3198 Apr 28 04:43	20° <b>8</b> 25'07	
direct	3193 Mar 18 01:38	8° <b>Ω</b> 53'27	4 34 40	asc. node	3198 May 11 02:33	0°Ⅱ	
uncet	3193 May 28 12:06	0°m)			3176 Way 11 02.33	νд	
	3193 Jul 23 17:26	0∘ <b>ত</b>		conjunction	3198 Jun 16 20:20	26° <b>Ⅱ</b> 29'34	0°30'45
	3193 Sep 10 23:46	0° <b>m</b>		minimum elong	3198 Jun 16 18:35	26° <b>I</b> I26'30	
desc. node	3193 Sep 10 25:10 3193 Sep 19 19:41	5°M39'49		minimum ciong	3198 Jun 21 19:58	0°95	0 30 11
	3193 Oct 26 09:18	0° <b>⊼</b> 7		max. Earth dist.	3198 Jul 21 15:04		2.54572 AU
evening set	3193 Dec 05 10:12	28° <b>∡</b> 14'47			3198 Aug 04 16:07	$0^{\circ}\Omega$	
8	3193 Dec 07 20:06	0°⋜		morning rise	3198 Aug 10 20:52	4° <b>Ω</b> 07'35	
max. Earth dist.	3193 Dec 21 19:43	10° <b>る</b> 16'33	2.42340 AU	C	3198 Sep 19 14:38	0° <b>m</b> )	
	3194 Jan 17 00:53	0° <b>≈</b>			3198 Nov 06 15:33	0∘ <b>⊽</b>	
					3198 Dec 27 15:17	0°M	
conjunction	3194 Jan 31 04:17	10° <b>≈</b> 51'20	-1°02'11		3199 Feb 25 03:37	0° <b>∡</b> ⊓	
minimum elong	3194 Jan 31 02:57	10° <b>≈</b> 48'46	1°02'11	retrograde	3199 Apr 19 19:38	13° <b>∡</b> 16′10	
	3194 Feb 24 18:22	0° <b>∀</b>		desc. node	3199 May 12 16:13	10° <b>₹</b> '00'48	
	3194 Apr 03 20:57	$0^{\circ}\Upsilon$		opposition	3199 May 26 07:22	5° <b>∡</b> ¹28'50	-0°35'59
morning rise	3194 Apr 07 17:55	3° <b>Y</b> 03'01		greatest brilliancy	3199 May 26 11:22	5° <b>∡</b> ¹25′10	-1.9m
	3194 May 12 05:43	0°8		min. Earth dist.	3199 Jun 02 22:27	2° <b>∡</b> ¹41'24	0.55318 AU
	3194 Jun 20 17:46	$\Pi$ °0			3199 Jun 10 22:29	30°RM	
asc. node	3194 Jul 24 06:53	24° <b>Ⅱ</b> 23'34		direct	3199 Jul 05 06:27	26°M04'15	
	3194 Aug 01 05:38	0ಂತಾ			3199 Jul 30 15:05	0° <b>∡</b> ⊓	
	3194 Sep 14 16:49	$0$ $\circ$ $\Omega$			3199 Sep 29 21:39	0°ප	
	3194 Nov 03 05:25	0° <b>m</b> y			3199 Nov 12 22:07	0° <b>≈</b>	
	3195 Jan 12 21:37	0∘ <b>⊽</b>			3199 Dec 23 01:16	0° <b>\</b>	
retrograde	3195 Feb 01 09:08	2° <b>£</b> 12'07			3200 Jan 31 01:48	0° <b>Ƴ</b>	
•.•	3195 Feb 19 17:00	30°₹ <b>™</b>	4000150	1	3200 Mar 10 10:40	0°8	
opposition	3195 Mar 13 12:46	22° Tp 32'06		asc. node	3200 Mar 15 03:09	3° <b>8</b> 31'07	
greatest brilliancy	3195 Mar 13 13:44	22°My31'09			3200 Apr 20 02:24	0°∏	
min. Earth dist.	3195 Mar 13 21:17	22° TD 23'38	0.67858 AU	arranina aat	3200 Jun 01 13:37 3200 Jun 11 12:02	0° <b>©</b> 6° <b>©</b> 49'39	
direct	3195 Apr 23 12:02	12° <b>™</b> 41'28 0° <b>⊆</b>		evening set		0° <b>Ω</b>	
desc. node	3195 Jun 25 08:26 3195 Aug 07 18:12	0 <u>₽</u> 22° <b>₽</b> 39'10			3200 Jul 15 22:42	· 06	
desc. Houe	3195 Aug 07 18.12 3195 Aug 20 07:03	0°M		conjunction	3200 Aug 02 08:33	11° <b>Ω</b> 27'38	1°04'49
	3195 Oct 06 10:32	0° <b>⊼</b>		minimum elong	3200 Aug 02 08:33 3200 Aug 02 07:41	$11^{\circ}\Omega 26'13$	1°04'49
	3195 Nov 18 07:19	0°පි		max. Earth dist.	3200 Aug 02 07:41 3200 Aug 17 22:47	21° <b>Ω</b> 36'21	2.63768 AU
	3195 Dec 28 10:26	0° <b>≈</b>		Dartii dist.	3200 Aug 30 23:07	0° m)	2.00 / 00 / 10
evening set	3196 Feb 04 03:19	0 <b>∞</b> 29° <b>≈</b> 21'17		morning rise	3200 Aug 30 25:07 3200 Sep 18 20:56	12° Mp 05'45	
	3196 Feb 04 22:58	0° <b>∀</b>		-0*	3200 Oct 17 03:25	0ಂ <b>ರ</b>	
	3196 Mar 13 21:32	0°Υ			3200 Dec 04 03:38	0° <b>m</b>	
		•			3201 Jan 22 06:26	0° <b>×</b> 7⊓	
conjunction	3196 Apr 12 11:25	23° <b>Y</b> 13'27	-0°37'31		3201 Mar 15 05:59	0°ප	
•	1	- ,				_	

desc. node	3201 Mar 29 15:33	7° <b>る</b> 40'01			3206 Aug 22 01:30	0∘ <b>⊽</b>	
dese. Hode	3201 May 21 07:59	0°≈		evening set	3206 Oct 07 03:17	0 <b>—</b> 29° <b>Ω</b> 20'32	
retrograde	3201 Jun 17 23:25	4°≈13'19		evening sec	3206 Oct 08 03:32	0°M	
rouogrado	3201 Jul 14 16:20	30°Rる		max. Earth dist.	3206 Oct 28 04:31	13°M11'31	2.59069 AU
opposition	3201 Jul 19 22:46	28° <b>る</b> 25'52	-5°22'56	desc. node	3206 Nov 19 11:53	28°M12'29	
greatest brilliancy	3201 Jul 21 07:58	28° <b>る</b> 00'22	-2.6m				
min. Earth dist.	3201 Jul 27 09:35	26° <b>る</b> 09'24	0.42227 AU	conjunction	3206 Nov 22 20:31	0° <b>∡</b> ³30′07	-0°01'58
direct	3201 Aug 23 10:52	21° <b>පි</b> 32'19		minimum elong	3206 Nov 22 20:28	0° <b>∡</b> °30′03	0°01'58
	3201 Sep 29 05:43	0°≈		behind sun begin	3206 Nov 22 00:38	29°M56'09	
	3201 Nov 21 10:29	0° <b>)</b> €		behind sun end	3206 Nov 23 16:19	1° <b>∡</b> °03′59	
	3202 Jan 03 20:08	$0$ ° $\Upsilon$			3206 Nov 22 02:53	0° <b>∡</b>	
asc. node	3202 Jan 31 01:21	19° <b>Ƴ</b> 25'54			3207 Jan 03 23:41	5°0	
	3202 Feb 14 20:52	$9^{\circ}$ 8		morning rise	3207 Jan 10 13:51	4° <b>る</b> 44'10	
	3202 Mar 29 12:03	$\Pi$ $^{\circ}0$			3207 Feb 14 00:09	0° <b>≈</b>	
	3202 May 12 12:10	0			3207 Mar 25 15:27	0° <b>∀</b>	
	3202 Jun 27 00:03	$0$ $^{\circ}\Omega$			3207 May 03 13:35	$0^{\circ}$ Y	
evening set	3202 Jul 25 06:59	18° <b>Ω</b> 15'35			3207 Jun 11 15:21	$0^{\circ}S$	
	3202 Aug 12 15:22	O° Mp			3207 Jul 22 00:47	$\Pi$ °0	
					3207 Sep 03 15:14	0ა <b>ௐ</b>	
conjunction	3202 Sep 10 02:52	18°Mp08′12		asc. node	3207 Sep 22 23:16	12° <b>5</b> 04'00	
minimum elong	3202 Sep 10 03:32	18° <b>m</b> 09'16	1°04'59		3207 Oct 26 06:35	$0^{\circ}\Omega$	
max. Earth dist.	3202 Sep 10 15:32	18° Mp 28′21	2.67628 AU	retrograde	3207 Dec 15 18:27	13° <b>Ω</b> 39'32	
	3202 Sep 28 18:33	0∘ <b>⊽</b>		min. Earth dist.	3208 Jan 19 13:19	5° <b>Ω</b> 43'43	0.61217 AU
morning rise	3202 Oct 24 14:27	16° <b>Ω</b> 27'45		opposition	3208 Jan 24 13:57	3° <b>Ω</b> 44'01	4°20'27
	3202 Nov 14 17:52	0°M		greatest brilliancy	3208 Jan 23 18:46	4° <b>Ω</b> 03'04	-1.6m
1 1	3202 Dec 31 04:07	0° <b>₹</b>		T	3208 Feb 03 11:20	30°R≌	
desc. node	3203 Feb 14 14:16	29° <b>₹</b> 43'48		direct	3208 Mar 02 11:28	24° <b>©</b> 55'31	
	3203 Feb 15 00:07	5°0			3208 Apr 02 09:26	0° <b>N</b>	
	3203 Apr 01 12:13	0° <b>≈</b>			3208 Jun 09 05:22	0° <b>m</b>	
	3203 May 17 11:52	0° <b>∀</b> 0° <b>Υ</b>			3208 Aug 01 00:44	0° <b>™</b>	
retrograde	3203 Jul 06 06:44 3203 Sep 06 11:46	0° γ 20° <b>Υ</b> 28'31		desc. node	3208 Sep 18 08:35 3208 Oct 06 10:35	11°M46'58	
min. Earth dist.	3203 Sep 00 11:40 3203 Oct 03 15:26	20 γ 28 31 16° <b>γ</b> 01'31	0.37921 AU	desc. Hode	3208 Oct 00 10.33 3208 Nov 02 12:23	0° <b>√</b>	
opposition	3203 Oct 03 13:20 3203 Oct 07 21:46	14° <b>Υ</b> 50'06		evening set	3208 Nov 16 13:29	9° <b>х</b> 43'35	
greatest brilliancy	3203 Oct 07 21:40 3203 Oct 07 09:13	14° <b>Υ</b> 58'51	-2.9m	max. Earth dist.	3208 Nov 30 22:07	19° 🗷 51'53	2.47547 AU
direct	3203 Nov 06 09:56	9° <b>Υ</b> 47'26	-2.9111	max. Earth dist.	3208 Nov 30 22:07 3208 Dec 15 00:15	0° <b>궁</b>	2.4/34/ AU
asc. node	3203 Dec 19 01:38	19° <b>Y</b> 57'36			3200 Dec 13 00.13	0 0	
use. Hode	3204 Jan 09 07:07	0°8		conjunction	3209 Jan 08 03:21	17° <b>る</b> 46'20	-0°49'52
	3204 Mar 01 13:55	0°II		minimum elong	3209 Jan 08 01:28	17° <b>ろ</b> 42'48	
	3204 Apr 19 00:06	0°©		g	3209 Jan 24 09:05	0° <b>≈</b>	0 15 51
	3204 Jun 05 23:19	$0^{\circ}\Omega$			3209 Mar 04 07:02	0° <b>)</b> €	
	3204 Jul 23 23:21	0° m/		morning rise	3209 Mar 09 07:06	3° <b>¥</b> 54'28	
evening set	3204 Aug 31 02:16	23° m 57'29		C	3209 Apr 11 13:11	$0^{\circ}\mathbf{Y}$	
C	3204 Sep 09 15:21	0° <del>ٽ</del>		greatest brilliancy	3209 Apr 14 16:53	2° <b>Y</b> 28'33	1.2m
max. Earth dist.	3204 Oct 02 19:12	14° <b>≏</b> 46'18	2.65990 AU		3209 May 20 00:13	0°8	
					3209 Jun 28 14:01	$\Pi^{\circ}0$	
conjunction	3204 Oct 15 08:31	22° <b>£</b> 51′22	0°40'30	asc. node	3209 Aug 09 22:54	0°5528'28	
minimum elong	3204 Oct 15 09:34	22° <b>≏</b> 53'04	0°40'30		3209 Aug 09 06:31	$0$ $\circ$ $\odot$	
	3204 Oct 26 08:51	$0^{\circ}$ M			3209 Sep 23 10:40	$0$ $^{\circ}$ $\Omega$	
morning rise	3204 Nov 28 23:48	22°M08'46			3209 Nov 15 01:30	0° <b>™</b>	
	3204 Dec 10 17:09	0°⊀		retrograde	3210 Jan 19 01:51	19° <b>m</b> 27'40	
desc. node	3205 Jan 01 12:48	14° <b>∡</b> ⁴48'50		min. Earth dist.	3210 Feb 27 05:30	10°Mp05'13	0.67278 AU
	3205 Jan 23 12:12	0°₹		opposition	3210 Feb 28 09:19	9° <b>™</b> 37'26	4°28'13
	3205 Mar 06 20:11	0° <b>≈</b>		greatest brilliancy	3210 Feb 28 04:33	9° <b>m</b> 42'11	-1.3m
	3205 Apr 17 00:01	0° <b>∀</b>			3210 Apr 07 19:59	30°R <b>Ω</b>	
	3205 May 27 14:09	0° <b>Υ</b>		direct	3210 Apr 09 18:23	29° <b>Ω</b> 58'37	
	3205 Jul 07 19:38	0° <b>8</b>			3210 Apr 11 17:07	0° <b>™</b>	
	3205 Aug 21 16:11	0°II			3210 Jul 07 18:44	0∘ <b>⊽</b>	
retrograde	3205 Nov 03 23:33	28° <b>Ⅱ</b> 16'12		desc. node	3210 Aug 24 09:24	27° <b>Ω</b> 13'16	
asc. node	3205 Nov 05 01:08	28° <b>Ⅱ</b> 15'42	0.40407.433		3210 Aug 28 21:59	0°M 0°. <b>7</b>	
min. Earth dist.	3205 Dec 03 07:30	22° <b>I</b> I20'10			3210 Oct 14 03:45	0° <b>₹</b>	
opposition	3205 Dec 11 09:14	19° <b>∏</b> 22'12	1°55'20		3210 Nov 25 18:48	ි ල°00	
greatest brilliancy direct	3205 Dec 10 18:03	19° <b>Ⅲ</b> 36'10 12° <b>Ⅲ</b> 06'46	-2.2m	evening set	3211 Jan 04 21:43	0°≈ 3°≈13'54	
uncet	3206 Jan 14 06:53 3206 Mar 17 16:30	12° <b>ய</b> 06'46 0° <b>9</b>		evening set	3211 Jan 09 02:49 3211 Feb 12 11:27	3°≈13′54 0° <b>∺</b>	
	3206 May 13 16:13	0°€			54111°CU 14 11.4/	υ <b>Λ</b>	
	3206 Jul 04 00:00	0°Mp		conjunction	3211 Mar 14 22:05	24° <b>)</b> 02'55	-0°58'21
	5200 Jul 07 00.00	עויי		conjunction	5211 IVIGI 17 22.UJ	47 NU433	0 0021

minimum elong	3211 Mar 15 00:41	24° <b>)</b> €08'03	0°58'20	desc. node	3216 Apr 15 06:07	4° <b>⋜</b> 54'46	
	3211 Mar 22 10:50	$0$ ° $\mathbf{\Upsilon}$		retrograde	3216 May 22 12:16	12° <b>る</b> 01'20	
max. Earth dist.	3211 Apr 03 04:52	9° <b>Ƴ</b> 15'54	2.37060 AU	opposition	3216 Jun 25 10:31	5° <b>る</b> 21′26	-3°24'36
	3211 Apr 29 17:55	$9^{\circ}$ 8		greatest brilliancy	3216 Jun 26 11:00	5° <b>ප</b> 00'51	-2.3m
morning rise	3211 May 25 03:51	19° <b>8</b> 27'27		min. Earth dist.	3216 Jul 03 22:16	2° <b>る</b> 30'32	0.47361 AU
	3211 Jun 08 04:59	$\Pi$ $^{\circ}0$			3216 Jul 12 07:30	30°₹ <b>⋌</b> ¹	
asc. node	3211 Jun 27 22:07	14° <b>Ⅱ</b> 29'59		direct	3216 Aug 01 17:56	27° <b>∡</b> 10′22	
	3211 Jul 19 13:34	0			3216 Aug 22 09:46	0°₹	
	3211 Sep 01 10:37	$0^{\circ}\Omega$			3216 Oct 22 17:08	0° <b>≈</b>	
	3211 Oct 18 17:24	0°Щ			3216 Dec 05 05:39	0° <b>∀</b>	
	3211 Dec 11 10:58	0∘ <b>亚</b>			3217 Jan 14 21:46	0°Υ	
retrograde	3212 Feb 22 18:28	22° <b>△</b> 35'39		asc. node	3217 Feb 16 19:11	24° <b>Y</b> 23'34	
opposition	3212 Apr 02 09:02	13° <b>≏</b> 18'03			3217 Feb 24 10:17	0°8	
greatest brilliancy	3212 Apr 02 16:42	13° <b>Ω</b> 10'30	-1.3m		3217 Apr 07 00:11	0°Щ	
min. Earth dist.	3212 Apr 05 02:07	12° <b>£</b> 14'03	0.66760 AU		3217 May 20 05:33	0°9	
direct	3212 May 13 20:30	3° <b>£</b> 16'49			3217 Jul 04 04:07	0° <b>Ω</b>	
desc. node	3212 Jul 11 08:39	19° <b>ഫ</b> 02'19		evening set	3217 Jul 09 07:43	3° <b>Ω</b> 22'26	
	3212 Aug 02 09:36	0°M.			3217 Aug 19 11:38	0° <b>m</b>	
	3212 Sep 21 16:06	0° <b>∡</b>			2217 4 26 15 17	40 m- 2 414 C	100011.5
	3212 Nov 04 10:07	0°る		conjunction	3217 Aug 26 15:17	4° Mp 34'46	1°08'15
	3212 Dec 14 19:45			minimum elong	3217 Aug 26 15:27	4° Mp 35'03	1°08'16
araataat brillianas	3213 Jan 22 10:10 3213 Feb 20 08:51	0° <b>∺</b> 22° <b>∺</b> 51'20	1.2	max. Earth dist.	3217 Sep 01 15:55 3217 Oct 05 13:21	8° Mp 25′51 0° <u> </u>	2.66758 AU
greatest brilliancy	3213 Feb 20 08.31 3213 Mar 01 10:06	22 <b>π</b> 31 20 0° <b>Υ</b>	1.2111	morning rise	3217 Oct 03 13.21 3217 Oct 10 21:45	ა <u>•</u> ••	
evening set	3213 Mar 19 17:01	14° <b>Υ</b> 22'07		morning rise	3217 Oct 10 21:43 3217 Nov 21 19:29	0°M	
evening set	3213 Apr 08 20:00	0° <b>8</b>			3217 Nov 21 13:23 3218 Jan 07 23:54	0° <b>⊼</b> ¹	
asc. node	3213 May 14 19:50	27° <b>8</b> 16'18			3218 Feb 24 07:43	0°ਤ 0°ਤ	
asc. node	3213 May 14 17:30 3213 May 18 12:05	0°II		desc. node	3218 Mar 03 05:27	4° <b>る</b> 20'33	
	3213 Way 16 12.03	νш		dese. Hode	3218 Apr 13 17:18	0°≈	
conjunction	3213 May 24 22:48	4° <b>∏</b> 45'12	0°06'41		3218 Jun 05 21:28	0° <b>∀</b>	
minimum elong	3213 May 24 22:17	4° <b>∏</b> 44'15	0°06'40	retrograde	3218 Aug 06 10:01	18° <b>)</b> 40′06	
behind sun begin	3213 May 23 21:52	3° <b>∏</b> 59'24	0 00 10	opposition	3218 Sep 05 09:40	13° <b>)</b> (43′24	-6°37'37
behind sun end	3213 May 25 22:42	5° <b>Ⅱ</b> 29'03		greatest brilliancy	3218 Sep 05 19:48	13° <b>)</b> €36'41	
	3213 Jun 29 01:04	0∘ <b>©</b>		min. Earth dist.	3218 Sep 06 15:17	13° <b>)</b> €23'46	0.37302 AU
max. Earth dist.	3213 Jul 07 08:01	5° <b>©</b> 48'28	2.49691 AU	direct	3218 Oct 05 10:51	8° <b>)</b> 41'44	
morning rise	3213 Jul 23 15:26	17° <b>©</b> 03'59			3218 Dec 08 11:00	$0^{\circ}\mathbf{\Upsilon}$	
_	3213 Aug 11 18:37	$0^{\circ}\Omega$		asc. node	3219 Jan 04 17:43	15° <b>Ƴ</b> 58'34	
	3213 Sep 26 20:09	0° <b>m</b>			3219 Jan 26 23:37	0°8	
	3213 Nov 14 14:11	0∘ <b>⊽</b>			3219 Mar 14 00:20	$\Pi^{\circ}0$	
	3214 Jan 07 04:17	0°M			3219 Apr 28 23:49	0ංම	
retrograde	3214 Apr 01 20:44	27°M52'05			3219 Jun 14 16:54	$0$ $^{\circ}\Omega$	
opposition	3214 May 09 13:15	19° <b>M</b> 31'51	0°48'17		3219 Aug 01 00:54	0° <b>m</b>	
greatest brilliancy	3214 May 09 18:21	19°M27'01	-1.7m	evening set	3219 Aug 17 17:35	10° <b>m</b> 33'11	
min. Earth dist.	3214 May 15 22:54	17° <b>M</b> 06'45	0.59726 AU		3219 Sep 17 10:00	0∘ <b>ಹ</b>	
desc. node	3214 May 29 07:17	12°M40'50		max. Earth dist.	3219 Sep 24 20:27	4° <b>£</b> 44'01	2.67274 AU
direct	3214 Jun 19 10:35	9° <b>M</b> 43'41					
	3214 Aug 23 07:39	0° <b>∡</b> 7		conjunction	3219 Oct 02 06:19		0°52'27
	3214 Oct 11 14:56	5°0		minimum elong	3219 Oct 02 07:23	9° <b>£</b> 29'33	0°52'27
	3214 Nov 22 16:54	0° <b>≈</b>			3219 Nov 03 04:16	0°M	
	3215 Jan 01 01:16	0° <b>)</b> €		morning rise	3219 Nov 15 11:14	7°M59'37	
	3215 Feb 08 13:46	0°Υ		dono == 1-	3219 Dec 18 20:28	0°⊀̄ 21°.₹02!26	
asa nada	3215 Mar 19 12:16	0° <b>と</b> 10° <b>と</b> 02'58		desc. node	3220 Jan 19 03:54	21° <b>メ</b> 03'36 0°る	
asc. node	3215 Apr 01 19:26				3220 Feb 01 06:19		
evening set	3215 Apr 28 18:03 3215 May 23 06:22	0°Ⅱ 17°Ⅱ38'39			3220 Mar 15 11:34 3220 Apr 26 18:35	0° <b>≈</b> 0° <b>∀</b>	
evening set	3215 Jun 09 20:16	0°9			3220 Apr 20 18:33 3220 Jun 07 21:02	0° <b>Υ</b>	
	5215 July 07 20.10	<b>5 -3</b>			3220 Jul 21 19:40	0°8	
conjunction	3215 Jul 17 09:56	25°538'30	0°56'17		3220 Sep 16 05:29	0°II	
minimum elong	3215 Jul 17 09:36 3215 Jul 17 08:25	25° <b>©</b> 35'58	0°56'16	retrograde	3220 Sep 10 03:29 3220 Oct 14 21:44	5° <b>Ⅱ</b> 28'23	
	3215 Jul 23 22:32	0°Ω	,	min. Earth dist.	3220 Nov 11 05:40		0.44112 AU
max. Earth dist.	3215 Aug 08 22:56	10° <b>Ω</b> 35'21	2.60791 AU	and dist.	3220 Nov 12 09:02	30°R <b>8</b>	
morning rise	3215 Nag 06 22:36 3215 Sep 05 04:52	28° <b>Ω</b> 17'59		opposition	3220 Nov 19 08:38	27° <b>8</b> 37'26	-0°08'31
<i>5</i>	3215 Sep 07 20:19	0° m		greatest brilliancy	3218 Aug 16 14:24	17° <b>)</b> 59'47	
	3215 Oct 25 05:17	0∘ <b>⊽</b>		asc. node	3220 Nov 21 16:51	26° <b>8</b> 50'08	
	3215 Dec 13 00:19	0°M.		direct	3220 Dec 21 09:48	21° <b>8</b> 14'34	
	3216 Feb 02 06:58	0° <b>∡</b> ¹			3221 Jan 30 14:29	0°Ⅲ	
	3216 Apr 02 05:38	ರ°0			3221 Apr 01 11:27	0°ಅ	

	3221 May 23 02:21 3221 Jul 11 17:16	0° <b>N</b> 0° <b>m</b>		morning rise	3226 Apr 25 04:04 3226 May 07 08:03	20°Ƴ32'18 0°႘	
	3221 Aug 29 02:18	0∘ <b>⊽</b>			3226 Jun 15 18:32	0°П	
evening set	3221 Sep 22 12:13	15° <b>≙</b> 29'15		asc. node	3226 Jul 14 13:51	21° <b>I</b> I04'00	
	3221 Oct 14 23:27	$0^{\circ}$ M.			3226 Jul 27 03:29	0ം <b>ತಾ</b>	
max. Earth dist.	3221 Oct 17 17:43	1°M48'07	2.62380 AU		3226 Sep 09 06:47	$0$ ° $\Omega$	
	2221 N 07 07 27	1.50 <b>m</b> 20120	0017110		3226 Oct 27 16:15	0 <b>்⊽</b> 0° <b>™</b>	
conjunction minimum elong	3221 Nov 07 06:26 3221 Nov 07 06:59	15°M20'38 15°M21'33	0°16'10 0°16'10	retrograde	3226 Dec 26 11:24 3227 Feb 09 01:38	0° <b>11</b> 9° <b>12</b> 55'51	
minimum clong	3221 Nov 07 00:39 3221 Nov 29 01:09	0° <b>√</b>	0 10 10	opposition	3227 New 09 01:38 3227 Mar 21 02:18	0° <b>£</b> 22'56	3°52'42
desc. node	3221 Nov 25 01:05 3221 Dec 06 02:59	4° <b>√</b> 49'50		greatest brilliancy	3227 Mar 21 06:05	0° <b>⊆</b> 19'11	
morning rise	3221 Dec 23 18:59	17° <b>∡</b> °02′16		min. Earth dist.	3227 Mar 22 07:21	29° <b>m</b> 54'09	0.67759 AU
	3222 Jan 11 05:07	ರ°ರ			3227 Mar 22 01:26	30°R.₩	
	3222 Feb 21 15:47	0° <b>≈</b>		direct	3227 May 01 07:47	20° <b>m</b> 27'16	
	3222 Apr 02 18:19	0° <b>∀</b>			3227 Jun 14 11:57	0∘ <b>ত</b>	
	3222 May 12 03:33	0° <b>Υ</b>		desc. node	3227 Jul 28 23:17	20° <b>£</b> 55'42	
	3222 Jun 20 17:25	0° <b>B</b>			3227 Aug 14 03:03	0°M	
	3222 Jul 31 22:20	0° <b>©</b> ∏			3227 Oct 01 04:17 3227 Nov 13 08:05	0°る	
asc. node	3222 Sep 15 20:08 3222 Oct 09 16:29	12° <b>©</b> 59'50			3227 Nov 13 08:05 3227 Dec 23 13:45	0° <b>≈</b>	
retrograde	3222 Nov 30 17:09	27°952'15			3228 Jan 31 03:02	0° <b>∺</b>	
min. Earth dist.	3223 Jan 02 10:36	20°539'43	0.57150 AU	evening set	3228 Feb 19 21:27	15° <b>¥</b> 36'59	
opposition	3223 Jan 08 21:28	18° <b>©</b> 08'38	3°46'47		3228 Mar 09 01:50	0° <b>Υ</b>	
greatest brilliancy	3223 Jan 07 23:33	18° <b>©</b> 30'02	-1.8m		3228 Apr 16 09:35	0°8	
direct	3223 Feb 14 10:23	9° <b>©</b> 50'04					
	3223 Apr 23 23:54	$0$ ° $\Omega$		conjunction	3228 Apr 28 13:25	9° <b>8</b> 21'11	
	3223 Jun 19 22:32	0° <b>m</b> )		minimum elong	3228 Apr 28 15:23	9° <b>8</b> 24'55	0°21'47
	3223 Aug 09 19:17	0∘ <b>亚</b>			3228 May 25 22:24	0°П	
1 1	3223 Sep 26 12:22	0°M		asc. node	3228 May 31 13:39	4° <b>Ⅱ</b> 10′26	2 44270 411
desc. node	3223 Oct 24 02:34 3223 Oct 31 11:52	18°M10'37 23°M09'08		max. Earth dist.	3228 Jun 18 12:32 3228 Jul 02 19:11	17° <b>Ⅱ</b> 16'56 27° <b>Ⅱ</b> 30'08	2.44270 AU
evening set	3223 Nov 10 13:12	23 11 <b>0</b> 0908		morning rise	3228 Jul 06 07:54	0°95	
max. Earth dist.	3223 Nov 16 09:08		2.52489 AU		3228 Aug 19 00:19	$0 {\circ} \mathcal{U}$	
					3228 Oct 04 07:55	0° m/y	
conjunction	3223 Dec 20 01:38	27° <b>∡</b> ¹46'40	-0°32'14		3228 Nov 23 05:06	0∘ <b>⊽</b>	
minimum elong	3223 Dec 20 00:18	27° <b>∡</b> ⁴44'15	0°32'14		3229 Jan 20 22:37	$0^{\circ}$ M	
	3223 Dec 23 03:34	0°ප		retrograde	3229 Mar 16 18:08	13°M46'03	
	3224 Feb 01 17:28	0° <b>≈</b>		opposition	3229 Apr 24 08:54	4° <b>™</b> 59'42	1°56'12
morning rise	3224 Feb 12 14:37	8°≈15'10		greatest brilliancy	3229 Apr 24 17:55	4°M51'00	
	3224 Mar 11 20:58	0° <b>Υ</b> 0° <b>Υ</b>		min. Earth dist.	3229 Apr 29 09:15	3°M03'41	0.63221 AU
	3224 Apr 19 07:54 3224 May 27 22:48	0° <b>8</b>		direct	3229 May 07 19:14 3229 Jun 04 17:51	30°R <b>≏</b> 25° <b>≏</b> 00'23	
	3224 Jul 06 16:53	0°II		desc. node	3229 Jun 14 22:18	25° <b>⊆</b> 38'26	
	3224 Aug 17 18:51	0. 0		desc. Hode	3229 Jul 04 16:10	0°M	
asc. node	3224 Aug 26 14:40	5° <b>©</b> 59'18			3229 Sep 05 09:36	0° <b>∡</b> ″	
	3224 Oct 03 06:42	$0^{\circ}\Omega$			3229 Oct 21 08:25	ರ°0	
	3224 Dec 03 02:44	0° <b>m</b>			3229 Dec 01 11:52	0° <b>≈</b>	
retrograde	3225 Jan 05 16:46	6° m 20'02			3230 Jan 09 10:20	0° <b>∀</b>	
	3225 Feb 05 18:54	30°R€	0.65600.444		3230 Feb 16 15:57	0° <b>Υ</b>	
min. Earth dist.	3225 Feb 12 07:02	27° <b>Ω</b> 28'00 26° <b>Ω</b> 23'38	0.65680 AU 4°36'07	aga mada	3230 Mar 27 07:54	0° <b>と</b> 16° <b>と</b> 48'33	
opposition greatest brilliancy	3225 Feb 14 23:24 3225 Feb 14 12:34	26° <b>Ω</b> 34'29		asc. node evening set	3230 Apr 18 12:16 3230 Apr 30 07:09	25° <b>8</b> 35'11	
direct	3225 Mar 26 13:12	17° <b>Ω</b> 00'53	1.4111	evening set	3230 May 06 06:45	0°Ⅱ	
	3225 May 18 18:49	0° m)			3230 Jun 17 02:09	0 ಲ	
	3225 Jul 17 18:37	0∘ <u>⊽</u>					
	3225 Sep 05 21:36	$0^{\circ}$ M		conjunction	3230 Jun 28 13:24	7° <b>9</b> 58'43	0°41'51
desc. node	3225 Sep 10 01:05	2°M37'19		minimum elong	3230 Jun 28 11:31	7° <b>©</b> 55'29	0°41'50
	3225 Oct 21 14:19	0° <b>∡</b> ¹		max. Earth dist.	3230 Jul 28 17:03	28°\$29'17	2.56993 AU
	3225 Dec 03 03:01	0°る			3230 Jul 30 23:18	0°Ω	
evening set	3225 Dec 17 02:04	10°る15'14	2 20624 411	morning rise	3230 Aug 20 10:52	13° <b>Ω</b> 32'56	
max. Earth dist.	3226 Jan 08 09:48 3226 Jan 12 07:32	2/° <b>5</b> 01′2/ 0° <b>≈</b>	2.39634 AU		3230 Sep 14 20:06 3230 Nov 01 13:05	0 <b>்</b> ம 0° <b>ம்</b>	
	3220 Jan 12 07.32	· ~			3230 Nov 01 13:03 3230 Dec 21 12:24	0°M	
conjunction	3226 Feb 14 15:26	25° <b>≈</b> 48'33	-1°04'50		3231 Feb 14 16:18	0° <b>∡</b> 7	
minimum elong	3226 Feb 14 15:15	25° <b>≈</b> 48'12		retrograde	3231 May 01 01:29	23° <b>∡</b> 16'19	
-	3226 Feb 19 23:39	0° <b>)</b> €		desc. node	3231 May 02 21:08	23° <b>∡</b> 15′07	
	3226 Mar 30 00:38	$0$ ° $\Upsilon$		opposition	3231 Jun 05 18:15	15° <b>∡</b> 50′27	-1°32'37

	2221 7 06 05 04	150 7 10145	• •	F 4 F	22260	210 2 11150	2 (1011 177
greatest brilliancy	3231 Jun 06 05:04	15° 🖈 40'47		max. Earth dist.	3236 Oct 08 04:51		2.64941 AU
min. Earth dist.	3231 Jun 13 21:53	12° <b>х</b> 55'48	0.52613 AU		3236 Oct 21 18:51	0°M₊	
direct	3231 Jul 15 00:00	6° <b>メ</b> 45'41 0° <b>る</b>			2227 0-+ 22 12-20	1000 07126	0022117
	3231 Sep 20 18:50 3231 Nov 06 03:28	0° <b>≈</b>		conjunction	3236 Oct 23 12:20	1°ML07'36 1°ML09'07	0°32'16
	3231 Nov 06 03.28 3231 Dec 17 01:24	0 <b>≈</b>		minimum elong	3236 Oct 23 13:15 3236 Dec 06 00:53	1 1160907 0° <b>⊼</b> 1	0°32'16
	3231 Dec 17 01:24 3232 Jan 25 11:45	0° <b>Υ</b>		morning rise	3236 Dec 00 00:33	0 <b>x</b> ⁴ 1° <b>x7</b> 04'44	
asc. node	3232 Jan 25 11:45 3232 Mar 05 10:55	0° <b>8</b> 13'26		desc. node	3236 Dec 07 13:12 3236 Dec 22 18:29	11°×723'15	
use. Houe	3232 Mar 05 03:44	0°8		dese. Hode	3237 Jan 18 14:29	0°る	
	3232 Apr 15 01:14	0°II			3237 Mar 01 14:15	0° <b>≈</b>	
	3232 May 27 17:12	0°9			3237 Apr 11 07:43	0° <b>)</b> €	
evening set	3232 Jun 22 01:36	17° <b>©</b> 13'31			3237 May 21 08:49	0°Υ	
C	3232 Jul 11 05:51	$0^{\circ}\Omega$			3237 Jun 30 18:47	0°8	
					3237 Aug 12 15:08	0° <b>Ⅱ</b>	
conjunction	3232 Aug 11 11:01	20° <b>Ω</b> 24'43	1°07'26		3237 Oct 04 08:57	0°€	
minimum elong	3232 Aug 11 10:34	20° <b>Ω</b> 23'58	1°07'25	asc. node	3237 Oct 26 07:37	7° <b>©</b> 39'43	
max. Earth dist.	3232 Aug 23 12:22	28° <b>Ω</b> 11'34	2.65064 AU	retrograde	3237 Nov 14 06:27	10° <b>5</b> 06'17	
	3232 Aug 26 07:50	0° <b>m</b>		min. Earth dist.	3237 Dec 14 19:14	3°5542'17	0.52321 AU
morning rise	3232 Sep 27 00:26	20° <b>m</b> 14'10		opposition	3237 Dec 22 11:00	0° <b>©</b> 48'44	2°46'37
	3232 Oct 12 10:10	0∘ <b>ত</b>		greatest brilliancy	3237 Dec 21 15:02	1° <b>©</b> 07'37	-2.0m
	3232 Nov 29 02:23	$0^{\circ}$ M.			3237 Dec 24 15:04	30°RⅡ	
	3233 Jan 16 08:36	0° <b>∡</b> ¹		direct	3238 Jan 26 09:25	23° <b>Ⅱ</b> 08'06	
	3233 Mar 07 02:18	0°ප			3238 Mar 03 05:43	0ಂ <b>ತಾ</b>	
desc. node	3233 Mar 19 19:57	7° <b>る</b> 22'25			3238 May 06 18:11	$0 ^{\circ} \Omega$	
	3233 May 01 02:33	0° <b>≈</b>			3238 Jun 28 13:35	O° My	
retrograde	3233 Jul 04 20:07	19° <b>≈</b> 12'30			3238 Aug 17 04:26	0∘ <b>ত</b>	
opposition	3233 Aug 04 20:24	13° <b>≈</b> 52'16	-6°17'23		3238 Oct 03 11:40	0°M₊	
greatest brilliancy	3233 Aug 06 03:24	13° <b>≈</b> 30′00		evening set	3238 Oct 15 17:55	8°M01'19	
min. Earth dist.	3233 Aug 10 19:20	12°≈10′18	0.39870 AU	max. Earth dist.	3238 Nov 03 17:53	20°M40'23	2.56924 AU
direct	3233 Sep 06 11:49	7° <b>≈</b> 46'41		desc. node	3238 Nov 09 17:18	24°M42'33	
	3233 Nov 09 17:53	0° <b>∀</b>			3238 Nov 17 11:52	0°⊀	
	3233 Dec 26 20:06	0° <b>Υ</b>					
asc. node	3234 Jan 21 10:22	17° <b>Y</b> 34'45		conjunction	3238 Dec 02 06:00	10° <b>√</b> 10'46	
	3234 Feb 08 07:43	8°0		minimum elong	3238 Dec 02 05:29	10° <b>₹</b> 09'52	0°13'00
	3234 Mar 23 18:49	0° <b>Ⅱ</b>		behind sun begin	3238 Dec 01 17:02	9° <b>х</b> 48'14	
	3234 May 07 07:29 3234 Jun 22 03:33	0°€ 0°©		behind sun end	3238 Dec 02 17:55	0°る	
arranina aat		0 8 <i>t</i> 26° <b>Ω</b> 49'10		marning rise	3238 Dec 30 06:46 3239 Jan 21 15:34	0 3 16° <b>る</b> 15'42	
evening set	3234 Aug 02 23:44 3234 Aug 07 23:38	0°Mp		morning rise	3239 Feb 09 03:45	0°≈	
max. Earth dist.	3234 Sep 15 20:26		2.67737 AU		3239 Mar 20 14:56	0 <b>∞</b> 0° <b>∀</b>	
max. Latin dist.	3234 Sep 13 20.20	24 11/42 00	2.07737 AO		3239 Apr 28 08:37	0° <b>Υ</b>	
conjunction	3234 Sep 18 05:18	26° Mp 12'33	1°01'21		3239 Jun 06 05:27	0° <b>8</b>	
minimum elong	3234 Sep 18 06:10	-			3239 Jul 16 07:03	0°II	
minimum crong	3234 Sep 24 04:18	0° <b>ರ</b>	1 0121		3239 Aug 28 02:18	0°9	
morning rise	3234 Nov 01 11:33	24° <b>₽</b> 28'39		asc. node	3239 Sep 13 07:43	10° <b>©</b> 33'37	
	3234 Nov 10 01:29	0°M			3239 Oct 16 06:36	$0^{\circ}\Omega$	
	3234 Dec 26 04:24	0° <b>∡</b> 7		retrograde	3239 Dec 23 23:11	22° <b>Ω</b> 31'10	
desc. node	3235 Feb 04 19:43	26° <b>₹</b> 55'25		min. Earth dist.	3240 Jan 28 19:11	14° <b>Ω</b> 13'57	0.63067 AU
	3235 Feb 09 10:06	8°0		greatest brilliancy	3240 Feb 01 07:28	12° <b>Ω</b> 50′00	-1.5m
	3235 Mar 25 21:55	0° <b>≈</b>		opposition	3240 Feb 02 00:02	12° <b>Ω</b> 33′28	4°31'02
	3235 May 09 02:15	0° <b>)</b> €		direct	3240 Mar 11 13:20	3° <b>Ω</b> 31'11	
	3235 Jun 23 10:50	$0$ ° $\Upsilon$			3240 Jun 01 21:24	O° My	
	3235 Aug 16 23:24	$9^{\circ}$ 8			3240 Jul 26 12:55	0∘ <b>ত</b>	
retrograde	3235 Sep 22 03:47	8° <b>8</b> 12'57			3240 Sep 13 10:33	$0^{\circ}$ M.	
min. Earth dist.	3235 Oct 18 13:28	3° <b>8</b> 43'02	0.39609 AU	desc. node	3240 Sep 26 15:54	8°M31'57	
opposition	3235 Oct 24 23:07	1° <b>8</b> 48'13	-2°58'00		3240 Oct 28 19:02	0° <b>∡</b> ¹	
greatest brilliancy	3235 Oct 24 09:17	1° <b>8</b> 58'37	-2.8m	evening set	3240 Nov 27 00:10	20° <b>≯</b> 25′13	
	3235 Oct 31 03:49	30° <b>₹</b> Υ			3240 Dec 10 07:30	0°₹	
direct	3235 Nov 24 05:31	26° <b>Y</b> 21′24		max. Earth dist.	3240 Dec 11 15:51	0° <b>る</b> 58'49	2.44662 AU
asc. node	3235 Dec 09 09:07	27° <b>Ƴ</b> 49'04			3241 Jan 19 15:02	0°≈	
	3235 Dec 18 16:03	0°8					
	3236 Feb 21 21:17	0° <b>Ⅱ</b>		conjunction	3241 Jan 20 17:56	0° <b>≈</b> 51'10	
	3236 Apr 12 16:23	0°©		minimum elong	3241 Jan 20 16:10	0°≈47'49	0°57'51
	3236 May 31 15:13	$\Omega^{\circ}\Omega$			3241 Feb 27 11:02	0° <b>)</b> (37112	
	3236 Jul 19 02:46	0° <b>m</b> )		morning rise	3241 Mar 25 12:08	20° <b>)</b> €27'12	
	3236 Sep 05 00:01	30 <b>∪</b> 03/10			3241 Apr 06 15:10	$^{\circ \gamma}$	
evening set	3236 Sep 08 05:19	2° <b>ჲ</b> 02'19			3241 May 15 00:28	0° <b>8</b>	

	3241 Jun 23 12:13	$\Pi$ $\circ 0$			3246 Aug 11 15:55	0° <b>∡</b> ¹	
asc. node	3241 Jul 31 07:05	27° <b>Ⅲ</b> 23'40			3246 Oct 04 15:21	5°0	
	3241 Aug 04 00:05	$0$ $\circ$ $\odot$			3246 Nov 16 17:23	0° <b>≈</b>	
	3241 Sep 17 15:18	$0^{\circ}\Omega$			3246 Dec 26 11:57	0° <b>∀</b>	
	3241 Nov 07 00:55	0° m			3247 Feb 03 06:29	$_{0}^{\circ}\mathbf{\Upsilon}$	
retrograde	3242 Jan 26 16:54	27° m 17'14			3247 Mar 14 09:46	0°8	
opposition	3242 Mar 07 23:10	17° m/32'20	4°18'12	asc. node	3247 Mar 23 03:42	6° <b>8</b> 35'27	
greatest brilliancy	3242 Mar 07 21:42	17° m 33'48	-1.3m	use. Houe	3247 Apr 23 19:52	0°II	
min. Earth dist.	3242 Mar 07 15:45	17° mp 39'44		evening set	3247 Apr 23 17:32 3247 Jun 04 01:01	29° <b>∏</b> 17′22	
		-	0.07720 AU	evening set			
direct	3242 Apr 17 17:01	7° m/46'23			3247 Jun 05 01:35	0° <b>©</b>	
	3242 Jun 30 02:50	0∘ <b>⊽</b>			3247 Jul 19 06:23	$0$ $\circ$ $\Omega$	
desc. node	3242 Aug 14 14:27	24° <b>≏</b> 47'07				_	
	3242 Aug 23 07:30	0°M₊		conjunction	3247 Jul 27 06:08	5° <b>Ω</b> 17'44	1°01'53
	3242 Oct 09 03:02	0°⊀		minimum elong	3247 Jul 27 04:59	5° <b>Ω</b> 15'49	1°01'52
	3242 Nov 20 22:40	0°ರ		max. Earth dist.	3247 Aug 14 22:00	17° <b>Ω</b> 31'49	2.62541 AU
	3242 Dec 31 02:43	0° <b>≈</b>			3247 Sep 03 04:27	0° <b>m</b>	
evening set	3243 Jan 23 09:51	18° <b>≈</b> 01'30		morning rise	3247 Sep 13 16:43	6° Mp 44′20	
•	3243 Feb 07 16:14	0° <b>∀</b>		•	3247 Oct 20 09:53	0∘ <b>⊽</b>	
	3243 Mar 17 14:56	0° <b>Υ</b>			3247 Dec 07 17:06	0°M	
	32 13 Mai 17 11.30	0 1			3248 Jan 26 14:36	0° <b>⊼</b> 7	
conjunction	3243 Mar 31 13:52	11° <b>Y</b> 00'15	0°47'58		3248 Mar 20 23:07	°ਤੇ	
•		11° <b>Υ</b> 06'54		4 4-			
minimum elong	3243 Mar 31 17:14		0-4/3/	desc. node	3248 Apr 05 11:50	7°る29'35	
	3243 Apr 24 21:33	0° <b>8</b>		retrograde	3248 Jun 05 20:53	24° <b>ろ</b> 30'02	
max. Earth dist.	3243 May 18 02:35		2.39020 AU	opposition	3248 Jul 08 17:07	18° <b>る</b> 18'44	
	3243 Jun 03 08:22	$\Pi^{\circ}0$		greatest brilliancy	3248 Jul 10 00:02	17° <b>る</b> 53'52	
morning rise	3243 Jun 09 13:50	4° <b>Ⅲ</b> 37'18		min. Earth dist.	3248 Jul 16 20:15	15° <b>る</b> 42'36	0.44441 AU
asc. node	3243 Jun 18 05:10	10° <b>Ⅱ</b> 58'31		direct	3248 Aug 13 13:20	10°る47'52	
	3243 Jul 14 16:01	$0$ $\circ$ $\odot$			3248 Oct 11 07:36	0° <b>≈</b>	
	3243 Aug 27 09:44	$0^{\circ}\Omega$			3248 Nov 27 09:23	0° <b>∀</b>	
	3243 Oct 13 04:39	0° m			3249 Jan 08 07:26	$0^{\circ}\mathbf{Y}$	
	3243 Dec 03 23:44	0∘ <del>⊽</del>		asc. node	3249 Feb 07 01:45	21° <b>Ƴ</b> 41'17	
	3244 Feb 21 22:03	0° <b>M</b> .			3249 Feb 18 12:49	0°8	
retrograde	3244 Mar 01 21:27	0°M28'54			3249 Apr 01 14:41	0°П	
	3244 Mar 10 14:59	30° <b>Ŗ</b> Ω			3249 May 15 04:40	0ಂತಾ	
opposition	3244 Apr 10 05:13	21° <b>£</b> 21'26	2°50'24		3249 Jun 29 09:27	$0^{\circ}\Omega$	
greatest brilliancy	3244 Apr 10 14:08	21° <b>⊆</b> 12'43	-1.4m	evening set	3249 Jul 18 14:11	12° <b>Ω</b> 28'29	
min. Earth dist.			0.65768 AU	evening set		0° M)	
	3244 Apr 13 18:23	19° <b>£</b> 58'13	0.03708 AU		3249 Aug 14 20:26	V IJV	
direct	3244 May 21 17:58	11° <b>Ω</b> 19'16			2240 0 02 22 50	100% 51101	1006140
desc. node	3244 Jul 01 13:05	19° <b>£</b> 51'21		conjunction	3249 Sep 03 23:50	12° m 51'21	1°06'49
	3244 Jul 24 22:49	0°M₊		minimum elong	3249 Sep 04 00:19	12° <b>m</b> 52'07	
	3244 Sep 15 16:56	0° <b>∡</b> 7		max. Earth dist.	3249 Sep 06 21:44	•	2.67348 AU
	3244 Oct 30 02:27	0°ප			3249 Sep 30 22:34	0∘ <b>⊽</b>	
	3244 Dec 09 17:54	0° <b>≈</b>		morning rise	3249 Oct 18 18:14	11° <b>≏</b> 20'00	
	3245 Jan 17 11:01	0° <b>∀</b>			3249 Nov 17 00:50	$0^{\circ}$ M	
	3245 Feb 24 12:27	$0$ ° $\mathbf{\gamma}$			3250 Jan 02 18:42	0° <b>∡</b> ¹	
	3245 Apr 03 23:39	0°8			3250 Feb 18 05:09	0°ප	
evening set	3245 Apr 04 09:30	0° <b>8</b> 18'57		desc. node	3250 Feb 21 10:41	2° <b>る</b> 05'24	
asc. node	3245 May 05 04:38	23° <b>8</b> 40'19			3250 Apr 05 18:51	0° <b>≈</b>	
	3245 May 13 17:05	0°II			3250 May 23 21:44	0° <b>)</b> €	
	52.0 May 15 17.05	· <b></b>			3250 Jul 21 06:27	0° <b>Υ</b>	
agnismation	2245 Jun 07 07:02	1701 5 1155	0021110	ratra ara da		6°Υ56'50	
conjunction	3245 Jun 07 07:03	17° <b>∏</b> 54'55		retrograde	3250 Aug 24 06:41		0.27210 411
minimum elong	3245 Jun 07 05:39	17° <b>Ⅱ</b> 52′24	0°21'09	min. Earth dist.	3250 Sep 21 20:54		0.37219 AU
	3245 Jun 24 06:59	0°©		opposition	3250 Sep 23 19:56	1° <b>Y</b> 45'39	
max. Earth dist.	3245 Jul 15 19:42	14° <b>©</b> 57'31	2.52460 AU	greatest brilliancy	3250 Sep 23 15:10	1° <b>Y</b> 48′51	-3.0m
morning rise	3245 Aug 03 06:36	27° <b>©</b> 29'15			3250 Sep 30 14:22	30°Ŗ <b>ℋ</b>	
	3245 Aug 07 00:32	$0 {\circ} \Omega$		direct	3250 Oct 23 05:51	26° <b>)</b> 51′52	
	3245 Sep 21 22:40	0° <b>т</b> р			3250 Nov 14 13:24	$0^{\circ}\Upsilon$	
	3245 Nov 09 04:47	0∘ <b>亚</b>		asc. node	3250 Dec 26 01:29	17° <b>Y</b> 28'18	
	3245 Dec 31 01:03	0° <b>M</b> .			3251 Jan 17 09:35	0°8	
	3246 Mar 05 19:31	0° <b>∡</b> ¹			3251 Mar 07 02:32	0°Ⅲ	
retrograde	3246 Apr 11 19:31	6° <b>₹</b> 55'48			3251 Apr 23 06:08	0	
- · · · · · · · · · · · · · · · · · · ·	3246 May 15 20:24	30°RM			3251 Jun 09 14:19	$0 {\circ} \Omega$	
opposition	3246 May 18 21:14	28°M52'58	0°01'38		3251 Jul 27 06:30	0° <b>m</b> )	
greatest brilliancy	3240 May 18 21:14 3247 Jul 24 09:16	3° <b>Ω</b> 23'51	1.6m	evening set	3251 Aug 26 00:05	18° Mp 43'36	
-	J∠¬/ Jul ∠¬ U7.10	J OLLJ JI	1.0111	evening set	3231 Aug 20 00.03	10 OC C+ VIII 01	
dago nodo		280m 20141			3251 San 12 10:25	Uo O	
desc. node	3246 May 19 12:35	28°M38'41	0.57290 ATT	mov E-ul- 1'	3251 Sep 12 19:25	0° <b>ჲ</b>	2 66675 ATT
desc. node min. Earth dist. direct		28°M38'41 26°M14'03 19°M15'57	0.57380 AU	max. Earth dist.	3251 Sep 12 19:25 3251 Sep 30 02:10		2.66675 AU

conjunction	3251 Oct 10 07:33	17° <b>≏</b> 33'41	0°45'50	asc. node	3256 Aug 16 23:01	3° <b>©</b> 16'16	
minimum elong	3251 Oct 10 08:38	17° <b>≏</b> 35'25	0°45'49		3256 Sep 26 18:05	$0^{\circ}\Omega$	
	3251 Oct 29 13:46	0°M			3256 Nov 20 10:03	0° <b>m</b> )	
morning rise	3251 Nov 23 16:29	16°M26'23		retrograde	3257 Jan 13 10:00	14° <b>m</b> ) 24'22	
	3251 Dec 14 02:02	0° <b>⊼</b>		min. Earth dist.	3257 Feb 20 21:59	5° m) 14'43	0.66687 AU
desc. node	3252 Jan 09 09:26	17° <b>×7</b> 47'10			3257 Feb 22 17:46	4° m <sub>0</sub> 30'57	4°33'02
desc. node				opposition		-•	
	3252 Jan 27 04:05	5°0		greatest brilliancy	3257 Feb 22 10:22	4° m/38'20	-1.3m
	3252 Mar 09 21:23	0° <b>≈</b>			3257 Mar 06 15:06	30°R <b>Ω</b>	
	3252 Apr 20 12:32	0° <b>)</b> €		direct	3257 Apr 03 18:50	24° <b>Ω</b> 58'41	
	3252 May 31 16:03	$0^{\circ}$ Y			3257 May 04 19:23	0° <b>m</b> y	
	3252 Jul 12 18:23	$8^{\circ}$			3257 Jul 11 08:43	0∘ <b>ত</b>	
	3252 Aug 29 02:18	$\Pi^{\circ}0$		desc. node	3257 Aug 31 05:42	29° <b>₽</b> 45'01	
retrograde	3252 Oct 26 15:16	19° <b>Ⅱ</b> 17'40			3257 Aug 31 15:20	0° <b>M</b>	
asc. node	3252 Nov 12 01:29	17° <b>Ⅱ</b> 18'55			3257 Oct 16 16:46	0° <b>∡</b> 7	
min. Earth dist.	3252 Nov 24 00:19	13° <b>I</b> I45'06	0.47009 AU		3257 Nov 28 08:11	0°ਤ	
				. ,		0 8 23° <b>る</b> 18'25	
opposition	3252 Dec 02 06:39	10° <b>Ⅱ</b> 48'35	1°08'22	evening set	3257 Dec 29 17:35		
greatest brilliancy	3252 Dec 01 21:07	10° <b>∏</b> 57'04	-2.4m		3258 Jan 07 12:47	0° <b>≈</b>	
direct	3253 Jan 04 08:13	3° <b>Ⅱ</b> 55'45		max. Earth dist.	3258 Feb 06 10:03	23° <b>≈</b> 08′00	2.37484 AU
	3253 Mar 23 20:55	0			3258 Feb 15 04:13	0° <b>∀</b>	
	3253 May 17 01:19	$\mathfrak{O}^{\circ} \mathfrak{O}$					
	3253 Jul 06 13:44	0° <b>m</b> )		conjunction	3258 Mar 02 05:50	11° <b>¥</b> 52'31	-1°03'04
	3253 Aug 24 08:08	0∘ <u>⊽</u>		minimum elong	3258 Mar 02 07:16	11° <b>¥</b> 55′21	1°03'04
evening set	3253 Sep 30 19:47	23° <b>≏</b> 48'41			3258 Mar 25 04:21	0° <b>Υ</b>	
evening set	3253 Oct 10 08:55	0°M			3258 May 02 11:02	0°8	
Easth dist			2 (0(52 AII		•		
max. Earth dist.	3253 Oct 23 15:50	8°M42'30	2.60653 AU	morning rise	3258 May 12 08:59	7° <b>8</b> 39'07	
					3258 Jun 10 20:53	0°II	
conjunction	3253 Nov 16 00:47	24°M18'16	0°05'54	asc. node	3258 Jul 04 22:34	17° <b>Ⅱ</b> 41'05	
minimum elong	3253 Nov 16 00:59	24°M18'37	0°05'55		3258 Jul 22 03:59	$0$ $\circ$ $\odot$	
behind sun begin	3253 Nov 15 06:29	23°M47'24			3258 Sep 04 01:31	$0^{\circ}\Omega$	
behind sun end	3253 Nov 16 19:29	24°M49'52			3258 Oct 21 15:30	0° <b>m</b> y	
	3253 Nov 24 10:18	0° <b>∡</b> ¹			3258 Dec 16 01:18	0∘ <del>⊽</del>	
desc. node	3253 Nov 26 08:20	1° <b>≯</b> 18′28		retrograde	3259 Feb 16 20:18	17° <b>≏</b> 38'51	
morning rise	3254 Jan 02 15:34	27° <b>₹</b> 16'50		opposition	3259 Mar 28 16:22	8° <b>£</b> 14'01	3°32'51
morning risc		0°る					
	3254 Jan 06 11:17			greatest brilliancy	3259 Mar 28 22:31		-1.3m
	3254 Feb 16 16:51	0° <b>≈</b>		min. Earth dist.	3259 Mar 30 17:47	7° <b>≏</b> 25'16	0.67334 AU
	3254 Mar 28 13:28	0° <b>∀</b>			3259 Apr 22 11:33	30°R, Mp	
	3254 May 06 16:09	$0$ ° $\Upsilon$		direct	3259 May 09 02:14	28° Mp 14'33	
	3254 Jun 14 22:07	$9^{\circ}$ 8			3259 May 26 14:52	0∘ <b>ত</b>	
	3254 Jul 25 13:29	$\Pi^{\circ}0$		desc. node	3259 Jul 19 05:01	19° <b>≙</b> 51'47	
	3254 Sep 07 19:32	0ಂಣ			3259 Aug 07 10:11	0° <b>M</b> .	
asc. node	3254 Sep 29 23:50	13° <b>©</b> 17'05			3259 Sep 25 17:13	0° <b>∡</b> ¹	
use. noue	3254 Nov 03 16:42	0°Ω			3259 Nov 08 06:15	0°ਰ	
ratra ara da	3254 Dec 09 11:27	7° <b>Ω</b> 32'47			3259 Dec 18 14:57	0°≈	
retrograde			0.50510.411				
min. Earth dist.	3255 Jan 12 08:52	29° <b>©</b> 55'30	0.59510 AU		3260 Jan 26 05:18	0° <b>\</b>	
	3255 Jan 12 04:15	30° <b>₹</b> 5			3260 Mar 04 04:32	0° <b>Υ</b>	
greatest brilliancy	3255 Jan 17 04:11	28° <b>©</b> 01'52	-1.7m	evening set	3260 Mar 07 04:04	2° <b>Y</b> 21'08	
opposition	3255 Jan 18 00:59	27° <b>©</b> 41'18	4°09'19		3260 Apr 11 12:48	$9^{\circ}$ 8	
direct	3255 Feb 24 08:43	19° <b>©</b> 05'10					
	3255 Apr 12 21:59	$0^{\circ}\Omega$		conjunction	3260 May 13 21:47	24° <b>8</b> 38'14	-0°05'19
	3255 Jun 13 16:11	o° mp		minimum elong	3260 May 13 22:15	24° <b>8</b> 39'06	0°05'19
	3255 Aug 04 14:49	0∘ <u>⊽</u>		behind sun begin	3260 May 12 19:57	23° <b>8</b> 49'53	
	3255 Sep 21 17:20	0°M		behind sun end	3260 May 15 00:33	25° <b>8</b> 28'16	
desc. node	3255 Oct 14 07:00	14°M45'53		asc. node	3260 May 21 20:11	0° <b>П</b> 32'51	
uese. Houe				asc. Houc	•		
	3255 Nov 05 21:07	0° <b>₹</b>		F 4 F .	3260 May 21 02:29	0°II	0.45004.477
evening set	3255 Nov 10 00:47	2° <b>×</b> 751'03	- 400:-	max. Earth dist.	3260 Jun 29 21:25		2.47324 AU
max. Earth dist.	3255 Nov 24 17:51	13° <b>≯</b> ′04'52	2.49819 AU		3260 Jul 01 12:33	$0$ $\circ$	
	3255 Dec 18 11:24	8°0		morning rise	3260 Jul 15 00:16	9° <b>5</b> 26'36	
					3260 Aug 14 04:05	$0^{\circ}\Omega$	
conjunction	3255 Dec 31 02:52	9° <b>ප</b> 13'18	-0°42'45		3260 Sep 29 06:15	0° <b>m</b> )	
minimum elong	3255 Dec 31 01:09	9° <b>ප</b> 10'08	0°42'44		3260 Nov 17 08:44	0∘ <del>ত</del>	
	3256 Jan 27 23:22	0°≈			3261 Jan 11 11:59	0° <b>M</b>	
morning rise	3256 Feb 26 13:42	22°≈40'13		retrograde	3261 Mar 25 17:39	22°M10'00	
morning fise		0° <b>)</b>		•			1°18'25
	3256 Mar 07 00:22	0° <del>Υ</del>		opposition	3261 May 02 21:16	13°M37'25	
	3256 Apr 14 08:35			greatest brilliancy	3261 May 03 04:33	13°M30'28	-1.6m
	3256 May 22 20:39	0°8		min. Earth dist.	3261 May 08 16:45	11° <b>M</b> 24'24	0.61412 AU
	3256 Jul 01 11:06	$\Pi$ $^{\circ}0$		desc. node	3261 Jun 05 03:48	4° <b>M</b> ₀07'20	
	3256 Aug 12 05:15	$0$ $\circ$ $\odot$		direct	3261 Jun 13 01:33	3°M42'53	

	3261 Aug 28 16:20	0° <b>∡</b>		max. Earth dist.	3266 Sep 21 01:57	0° <b>≙</b> 57'28	2.67586 AU
	3261 Oct 15 08:38	% ප		. ,.	22// 0 2/ 0/ 50	40 0 1 (12.1	0056122
	3261 Nov 26 00:41	0° <b>₩</b>		conjunction	3266 Sep 26 06:58	4° <b>Ω</b> 16'31	0°56'32
	3262 Jan 04 04:47 3262 Feb 11 13:43	0 <b>Υ</b> 0° <b>Υ</b>		minimum elong	3266 Sep 26 07:59	4° <b>≙</b> 18'07 0° <b>ጤ</b>	0 3031
	3262 Feb 11 13.43 3262 Mar 22 08:13	0°8		morning rise	3266 Nov 05 09:38 3266 Nov 09 11:09	2°M37'43	
asc. node	3262 Apr 08 19:34	13° <b>8</b> 14'01		morning risc	3266 Dec 21 06:51	2 1103743 0° <b>x</b> 7	
asc. node	3262 May 01 09:39	0°II		desc. node	3267 Jan 26 00:17	23° <b>×</b> 752'30	
evening set	3262 May 13 16:19	8°П56'26		dese. Hode	3267 Feb 04 01:37	0°る	
evening sec	3262 Jun 12 07:19	0.2 0 250 20			3267 Mar 19 19:30	0° <b>≈</b>	
					3267 May 01 20:01	0° <b>)</b> €	
conjunction	3262 Jul 09 13:31	18° <b>©</b> 46'12	0°50'56		3267 Jun 14 00:11	0° <b>Υ</b>	
minimum elong	3262 Jul 09 11:47	18° <b>©</b> 43'15			3267 Jul 30 09:36	0°8	
Z .	3262 Jul 26 05:58	$0^{\circ}\Omega$		retrograde	3267 Oct 06 02:08	24° <b>8</b> 35'30	
max. Earth dist.	3262 Aug 04 08:48		2.59199 AU	min. Earth dist.	3267 Nov 01 19:28		0.41918 AU
morning rise	3262 Aug 29 14:49	22° <b>Ω</b> 35'55		opposition	3267 Nov 09 10:33	17° <b>8</b> 21'19	-1°17'01
	3262 Sep 10 02:02	0° <b>m</b>		greatest brilliancy	3267 Nov 09 02:36	17° <b>8</b> 27'45	-2.7m
	3262 Oct 27 13:19	0∘ <b>ত</b>		asc. node	3267 Nov 29 16:47	12° <b>8</b> 12'54	
	3262 Dec 15 18:20	$0^{\circ}$ M.		direct	3267 Dec 10 15:33	11° <b>8</b> 24'04	
	3263 Feb 06 07:53	0° <b>∡</b> ″			3268 Feb 10 20:23	$\Pi$ $\circ 0$	
	3263 Apr 16 00:34	8°0			3268 Apr 05 19:10	$0$ $\circ$ $\odot$	
desc. node	3263 Apr 23 02:22	1° <b>る</b> 43'46			3268 May 26 01:59	$0^{\circ}\Omega$	
retrograde	3263 May 13 07:52	4° <b>る</b> 00'52			3268 Jul 14 03:51	0° <b>m</b>	
	3263 Jun 07 20:26	30°R. <b>✓</b>			3268 Aug 31 07:48	0∘ <b>ত</b>	
opposition	3263 Jun 17 01:44	26° <b>₹</b> 59′20	-2°34'45	evening set	3268 Sep 16 09:34	10° <b>≙</b> 10'55	
greatest brilliancy	3263 Jun 17 20:20	26° <b>х</b> 43′12	-2.2m	max. Earth dist.	3268 Oct 13 17:54	27° <b>≏</b> 45'44	2.63615 AU
min. Earth dist.	3263 Jun 25 12:14	24° <b>₹</b> 03'52	0.49744 AU		3268 Oct 17 04:30	0°M	
direct	3263 Jul 25 08:17	18° <b>∡</b> °21′04					
	3263 Sep 08 03:38	0°る		conjunction	3268 Oct 31 21:11	9° <b>™</b> 37'43	
	3263 Oct 29 11:05	0° <b>≈</b>		minimum elong	3268 Oct 31 21:55	9° <b>™</b> 38'55	0°23'10
	3263 Dec 10 14:34	0° <b>)</b> €			3268 Dec 01 08:49	0° <b>∡</b> 7	
_	3264 Jan 19 15:26	0° <b>Υ</b>		desc. node	3268 Dec 12 23:10	7° <b>∡</b> 53'59	
asc. node	3264 Feb 24 19:40	27° <b>Y</b> 07'05		morning rise	3268 Dec 16 16:37	10° <b>₹</b> 27'25	
	3264 Feb 28 16:53	0° <b>B</b>			3269 Jan 13 17:54	0°る	
	3264 Apr 09 21:48	0° <b>I</b> I			3269 Feb 24 10:51	0° <b>≈</b>	
	3264 May 22 19:28	0°95			3269 Apr 05 20:13	0° <b>ℋ</b> 0° <b>Ƴ</b>	
evening set	3264 Jul 02 02:27	27° <b>©</b> 05'23			3269 May 15 12:02		
	3264 Jul 06 12:16	$0$ ° $\Omega$			3269 Jun 24 08:55 3269 Aug 05 02:06	0°B 0°B	
conjunction	3264 Aug 20 06:10	29° <b>Ω</b> 05'13	1°08'26		3269 Sep 21 17:00	0₀©	
minimum elong	3264 Aug 20 06:06	29° <b>Ω</b> 05'07	1°08'25	asc. node	3269 Oct 16 16:45	12° <b>©</b> 10'51	
minimum ciong	3264 Aug 21 16:17	0° mp	1 00 25	retrograde	3269 Nov 23 20:58	20°956'57	
max. Earth dist.	3264 Aug 28 23:37	4° Mp 41'03	2.66102 AU	min. Earth dist.	3269 Dec 25 14:51	14°905'40	0.55071 AU
morning rise	3264 Oct 05 00:47	28° Mp 16'55	2.00102110	opposition	3270 Jan 01 15:41	11°523'05	3°25'26
	3264 Oct 07 17:46	0∘ <b>ʊ</b>		greatest brilliancy	3269 Dec 31 17:45	11° <b>©</b> 44'15	-1.9m
	3264 Nov 24 03:52	0°M		direct	3270 Feb 06 12:26	3°520'20	
	3265 Jan 10 18:29	0° <b>∡</b> ¹			3270 Apr 28 23:57	$0^{\circ}\Omega$	
	3265 Feb 27 23:59	0°ರ			3270 Jun 22 21:59	0° <b>m</b>	
desc. node	3265 Mar 10 01:29	6° <b>る</b> 08'55			3270 Aug 12 05:45	0∘ <b>亚</b>	
	3265 Apr 19 11:10	0°≈			3270 Sep 28 19:28	0° <b>M</b> ₊	
	3265 Jun 21 05:57	0° <b>)</b> €		evening set	3270 Oct 24 14:32	16°M58'13	
retrograde	3265 Jul 23 00:45	5° <b>)</b> 41'36		desc. node	3270 Oct 30 22:41	21°M13'19	
opposition	3265 Aug 22 04:02	0° <b>)</b> 40′58	-6°44'43	max. Earth dist.	3270 Nov 10 16:15	28° <b>™</b> 29'48	2.54541 AU
greatest brilliancy	3265 Aug 23 02:03	0° <b>∺</b> 26′04	-2.9m		3270 Nov 12 21:03	0° <b>⊀</b>	
	3265 Aug 24 16:34	30°R <b>≈</b>					
min. Earth dist.	3265 Aug 25 19:41	29° <b>≈</b> 41'44	0.38100 AU	conjunction	3270 Dec 12 03:43	20° <b>∡</b> 23′25	-0°24'09
direct	3265 Sep 22 04:35	25°≈17'10		minimum elong	3270 Dec 12 02:43	20° <b>҂</b> 21'39	0°24'08
	3265 Oct 19 07:23	0° <b>∀</b>			3270 Dec 25 14:32	0° <b>ろ</b>	
_	3265 Dec 17 01:24	0°Υ		morning rise	3271 Feb 02 16:09	28° <b>る</b> 44'47	
asc. node	3266 Jan 11 18:00	16° <b>Ƴ</b> 30′03			3271 Feb 04 08:13	0° <b>≈</b>	
	3266 Feb 01 01:35	0° <b>8</b>			3271 Mar 15 15:30	0° <b>)</b> €	
	3266 Mar 17 17:22	0° <b>I</b> I			3271 Apr 23 05:23	0°Υ •••	
	3266 May 01 22:45	0.ಲ			3271 May 31 22:12	0° <b>Β</b>	
	3266 Jun 17 05:01	0° <b>Ω</b>			3271 Jul 10 18:12	0° <b>I</b> I	
avanin+	3266 Aug 03 06:50	0°Mp 5°M⊳12!41		aca mad-	3271 Aug 22 00:40	0°©	
evening set	3266 Sap. 10 13:50	5° Mp 12'41 0° <u> </u>		asc. node	3271 Sep 03 15:03	8° <b>©</b> 26'12 0° <b>Ω</b>	
	3266 Sep 19 13:50	U ==			3271 Oct 08 06:47	0 86	

	3271 Dec 19 08:56	0° <b>m</b> )			3276 Dec 04 12:57	0° <b>≈</b>	
retrograde	3271 Dec 19 08:30 3271 Dec 31 22:12	0° <b>m</b> p 59'58			3270 Dec 04 12:37 3277 Jan 12 09:22	0° <b>∺</b>	
retrograde	3271 Dec 31 22:12 3272 Jan 13 00:50	30°R <b>Ω</b>			3277 Feb 19 12:58	0° <b>Υ</b>	
min. Earth dist.	3272 Feb 06 18:28		0.64642 AU		3277 Mar 30 02:00	0°8	
opposition	3272 Feb 10 02:40	21°Ω02'26		evening set	3277 Apr 19 08:52	15° <b>8</b> 26'26	
greatest brilliancy	3272 Feb 09 13:14	21°Ω15'52		asc. node	3277 Apr 25 12:43	20° <b>8</b> 04'10	
direct	3272 Mar 20 06:03	11° <b>Ω</b> 48'09			3277 May 08 21:18	0°II	
	3272 May 24 10:23	0° <b>m</b> )			,		
	3272 Jul 20 19:39	0∘ <del>⊽</del>		conjunction	3277 Jun 19 16:42	0°906'44	0°33'49
	3272 Sep 08 10:47	0°M₊		minimum elong	3277 Jun 19 14:52	0° <b>ട്ട</b> 03'31	0°33'47
desc. node	3272 Sep 16 21:19	5°M22'56			3277 Jun 19 12:52	0ංම	
	3272 Oct 24 01:14	0° <b>∡</b> ¹		max. Earth dist.	3277 Jul 23 10:03	23°521'36	2.55049 AU
	3272 Dec 05 15:14	ರ°0			3277 Aug 02 06:50	$0$ $^{\circ}$ $\Omega$	
evening set	3272 Dec 08 01:19	1° <b>る</b> 45'38		morning rise	3277 Aug 13 06:54	7° <b>Ω</b> 19'27	
max. Earth dist.	3272 Dec 25 02:36	14° <b>る</b> 19'30	2.41806 AU		3277 Sep 17 02:41	o° <b>m</b> y	
	3273 Jan 14 21:57	0° <b>≈</b>			3277 Nov 03 23:31	0∘ <b>ऌ</b>	
					3277 Dec 24 13:55	0°M₊	
conjunction	3273 Feb 03 08:26	14° <b>≈</b> 56′08			3278 Feb 20 09:00	0° <b>∡</b> ¹	
minimum elong	3273 Feb 03 07:20	14°≈54'00	1°03'11	retrograde	3278 Apr 22 10:05	16° <b>∡</b> 27'52	
	3273 Feb 22 16:14	0° <b>∀</b>		desc. node	3278 May 09 17:37	14° <b>∡</b> ³35′16	
	3273 Apr 01 18:31	0° <b>Υ</b>		opposition	3278 May 28 18:24	8° <b>∡</b> ¹44'26	
morning rise	3273 Apr 11 15:05	7° <b>Y</b> 45′50		greatest brilliancy	3278 May 29 00:04	8° <b>∡</b> ³39'16	
	3273 May 10 02:01	0° <b>B</b>		min. Earth dist.	3278 Jun 05 12:17		0.54836 AU
1	3273 Jun 18 11:51	0°II		T'	3278 Jun 28 01:39	30°RM₁	
asc. node	3273 Jul 21 13:34	24° <b>II</b> 07'58		direct	3278 Jul 07 15:13	29°M22'40	
	3273 Jul 29 20:19	0°€ 0°©			3278 Jul 17 08:32	%₹°0 ℃₹	
	3273 Sep 12 01:51	0° <b>m</b> )			3278 Sep 26 16:20 3278 Nov 10 08:37	0° <b>≈</b>	
	3273 Oct 31 01:03 3274 Jan 03 23:05	0∘ <b>⊽</b>			3278 Dec 20 17:05	0 <b>≈</b> 0° <b>∺</b>	
retrograde	3274 Jan 03 23:03 3274 Feb 03 08:31	5° <b>£</b> 02'12			3278 Dec 20 17:03 3279 Jan 28 19:28	0° <b>Υ</b>	
renograde	3274 Net 03 08:31 3274 Mar 03 08:44	30°RM)			3279 Jan 28 19.28 3279 Mar 09 04:27	0°8	
opposition	3274 Mar 15 12:30	25° M) 23'37	4°04'28	asc. node	3279 Mar 13 11:16	3° <b>8</b> 13'05	
greatest brilliancy	3274 Mar 15 12:30 3274 Mar 15 14:08	25° m/22'00		ase. Houe	3279 Apr 18 19:23	0°II	
min. Earth dist.	3274 Mar 16 01:45	25° m/22'00			3279 May 31 05:20	0°©	
direct	3274 Apr 25 13:31	15° <b>m</b> ) 31'42	0.07000110	evening set	3279 Jun 15 02:51	10°913'26	
	3274 Jun 20 23:39	0∘ <mark>ಹ</mark>			3279 Jul 14 13:09	0°N	
desc. node	3274 Aug 04 19:37	22° <b>≏</b> 43'14				. ••	
	3274 Aug 17 09:52	0° <b>M</b> .		conjunction	3279 Aug 05 16:09	14° <b>Ω</b> 33'20	1°05'42
	3274 Oct 03 23:14	0° <b>∡</b> ¹		minimum elong	3279 Aug 05 15:24	14° <b>Ω</b> 32'06	1°05'42
	3274 Nov 16 01:00	ರ°0		max. Earth dist.	3279 Aug 20 15:18	24° <b>Ω</b> 16′25	2.64044 AU
	3274 Dec 26 06:56	0° <b>≈</b>			3279 Aug 29 12:22	0° <b>m</b>	
	3275 Feb 02 20:50	0° <b>∀</b>		morning rise	3279 Sep 21 23:48	15° <b>m</b> ) 01'07	
evening set	3275 Feb 07 13:56	3° <b>)</b> 42′50			3279 Oct 15 15:16	0° <b>⊙</b>	
	3275 Mar 12 19:32	$0$ ° $\mathbf{\gamma}$			3279 Dec 02 12:56	$0^{\circ}$ M	
					3280 Jan 20 09:48	0° <b>∡</b> ¹	
conjunction	3275 Apr 17 02:37	27° <b>Ƴ</b> 41'29			3280 Mar 11 16:38	0° <b>ප</b>	
minimum elong	3275 Apr 17 05:33	27° <b>Y</b> 47'11	0°33'53	desc. node	3280 Mar 26 16:02	8° <b>る</b> 10'59	
	3275 Apr 20 02:03	0° <b>B</b>			3280 May 12 13:23	0° <b>≈</b>	
P 4 "	3275 May 29 12:47	0°II	0.41004 : **	retrograde	3280 Jun 21 13:20	8°≈18'42	5026152
max. Earth dist.	3275 Jun 08 09:56		2.41824 AU	opposition	3280 Jul 23 09:29	2°≈36'27	
asc. node	3275 Jun 08 13:36	7° <b>Ⅱ</b> 25'46		greatest brilliancy	3280 Jul 24 18:54	2°≈11'06	
morning rise	3275 Jun 23 17:54	18° <b>Ⅱ</b> 30'01		min. Earth dist.	3280 Jul 30 15:13		0.41764 AU
	3275 Jul 09 19:55	0.ಲ		3:4	3280 Aug 01 02:52	30°Rる	
	3275 Aug 22 10:55 3275 Oct 07 20:54	0° <b>Ω</b> 0° <b>m</b>		direct	3280 Aug 26 12:04 3280 Sep 20 14:33	25°る52'04 0°≈	
	3275 Nov 27 08:12	0° <del>ت</del>			3280 Sep 20 14.33 3280 Nov 17 23:12	0 <b>≈</b> 0° <b>∺</b>	
	3276 Jan 28 20:59	0°M			3280 Nov 17 23.12 3281 Jan 01 01:14	0 <del>Υ</del> 0° <b>Υ</b>	
retrograde	3276 Mar 10 06:22	8°M29'52		asc. node	3281 Jan 28 10:35	19° <b>Y</b> 25'37	
	3276 Apr 17 02:28	30°R <b>Ω</b>			3281 Feb 12 07:41	0° <b>8</b>	
opposition	3276 Apr 17 02:28 3276 Apr 18 05:43	29° <b>£</b> 33'37	2°20'09		3281 Mar 27 00:57	$0^{\circ}\Pi$	
greatest brilliancy	3276 Apr 18 05.43	29° <b>£</b> 24'35			3281 May 10 01:33	0ංම 0 ස	
min. Earth dist.	3276 Apr 10 15:01	27° <b>⊆</b> 51'30			3281 Jun 24 13:19	$0 {\circ} \Omega$	
direct	3276 May 29 17:39	19° <b>£</b> 32'04		evening set	3281 Jul 27 12:00	21° <b>Ω</b> 14'50	
desc. node	3276 Jun 21 18:39	22° <b>£</b> 34'22		J	3281 Aug 10 04:31	0° m)	
	3276 Jul 14 03:17	0°M₊			Č	*	
	3276 Sep 09 07:21	0° <b>∡</b> ¹		conjunction	3281 Sep 12 04:26	21° Mp 00'27	1°04'03
	3276 Oct 24 14:08	ರ°0		minimum elong	3281 Sep 12 05:10	21° <b>m</b> 01'37	1°04'02

max. Earth dist.	3281 Sep 12 02:36	20° <b>m</b> 57'34	2.67667 AU	asc. node	3286 Sep 20 07:54	12° <b>©</b> 22'15	
	3281 Sep 26 07:49	0∘ <b>亚</b>			3286 Oct 21 21:45	$0^{\circ}\Omega$	
morning rise	3281 Oct 26 14:46	19° <b>≏</b> 18'39		retrograde	3286 Dec 17 22:06	16° <b>Ω</b> 44'03	
	3281 Nov 12 07:10	0°M₊		min. Earth dist.	3287 Jan 21 21:43		0.61593 AU
	3281 Dec 28 16:36	0° <b>∡</b> ¹		opposition	3287 Jan 26 18:10	6° <b>Ω</b> 48'05	
desc. node	3282 Feb 11 16:00	29° <b>∡</b> ¹30'05		greatest brilliancy	3287 Jan 25 23:25	7° <b>Ω</b> 06'43	-1.6m
	3282 Feb 12 10:09	0°る			3287 Feb 16 01:07	30° <b>₹</b> 5	
	3282 Mar 29 16:59	0° <b>≈</b>		direct	3287 Mar 05 18:48	27° <b>9</b> 56'34	
	3282 May 14 05:24	0° <b>∀</b>			3287 Mar 24 18:21	$0^{\circ}\Omega$	
	3282 Jul 01 12:40	0°Υ			3287 Jun 06 20:49	0° <b>т</b> р	
retrograde	3282 Sep 10 05:44	25° <b>Y</b> 19'55	0.20102.477		3287 Jul 30 06:52	0∘ <b>亚</b>	
min. Earth dist.	3282 Oct 07 02:25		0.38193 AU		3287 Sep 16 21:07	0°M	
opposition	3282 Oct 11 20:25	19° <b>Y</b> 33'13		desc. node	3287 Oct 04 12:10	11°M26'09	
greatest brilliancy	3282 Oct 11 07:13	19°° <b>\</b> ′42'33	-2.9m		3287 Nov 01 04:50	0°⊀ <sup>7</sup>	
direct asc. node	3282 Nov 10 11:43 3282 Dec 16 09:31	21° <b>Y</b> 54'08		evening set max. Earth dist.	3287 Nov 20 00:29 3287 Dec 04 04:17	13° <b>尽</b> 02'11 23° <b>尽</b> 04'16	2.46996 AU
asc. node	3282 Dec 16 09.31 3283 Jan 04 04:11	0° <b>8</b>		max. Earth dist.	3287 Dec 04 04.17 3287 Dec 13 19:19	23 x・04 16	2.40990 AU
	3283 Feb 27 08:11	0°II			3287 Dec 13 19.19	0.0	
	3283 Apr 17 05:19	0ംഉ 0 H		conjunction	3288 Jan 11 23:16	21° <b>ප</b> 30'11	-0°52'05
	3283 Apr 17 03:19 3283 Jun 04 08:43	0° <b>U</b>		minimum elong	3288 Jan 11 23:10	21°る3011	
	3283 Jul 22 10:54	0° <b>m</b> )		minimum ciong	3288 Jan 23 05:44	0°≈	0 32 04
evening set	3283 Sep 03 03:35	26° Mp 48'38			3288 Mar 02 04:24	0° <b>∀</b>	
e venning see	3283 Sep 08 04:33	0∘ <u>ಹ</u>		morning rise	3288 Mar 12 19:22	8° <b>)</b> 18'15	
max. Earth dist.	3283 Oct 05 09:58		2.65825 AU	morning rise	3288 Apr 09 10:27	0°Υ	
					3288 May 17 20:29	0°8	
conjunction	3283 Oct 18 09:14	25° <b>≏</b> 43'10	0°38'15		3288 Jun 26 08:12	0°II	
minimum elong	3283 Oct 18 10:15	25° <b>≏</b> 44'49	0°38'14		3288 Aug 06 20:54	0ಂತಾ	
C	3283 Oct 24 23:38	0° <b>M</b>		asc. node	3288 Aug 07 07:31	0°9518'34	
morning rise	3283 Dec 02 02:24	25°ML07'01			3288 Sep 20 17:24	$0^{\circ}\Omega$	
	3283 Dec 09 09:11	0° <b>∡</b> ¹			3288 Nov 11 07:28	0° <b>m</b>	
desc. node	3283 Dec 30 15:09	14° <b>∡</b> ¹24'42		retrograde	3289 Jan 21 01:47	22° Mp 18'34	
	3284 Jan 22 04:52	5°0		min. Earth dist.	3289 Mar 01 09:45	12°M 52'51	0.67386 AU
	3284 Mar 04 12:36	0° <b>≈</b>		opposition	3289 Mar 02 09:06	12° <b>m</b> 29'33	4°25'45
	3284 Apr 14 15:09	0° <b>∀</b>		greatest brilliancy	3289 Mar 02 05:05	12°M 33'33	-1.3m
	3284 May 25 02:25	$0^{\circ}\Upsilon$		direct	3289 Apr 11 19:49	2°M/49'10	
	3284 Jul 05 01:35	$0^{\circ}$ 8			3289 Jul 04 07:52	0∘ <b>⊽</b>	
	3284 Aug 18 03:45	$\Pi^{\circ}0$		desc. node	3289 Aug 21 10:59	27° <b>≏</b> 06'17	
	3284 Oct 20 15:44	$0$ $\circ$ $\odot$			3289 Aug 26 05:09	$0^{\circ}$ M	
asc. node	3284 Nov 02 07:57	1° <b>©</b> 51'16			3289 Oct 11 18:14	0° <b>∡</b>	
retrograde	3284 Nov 06 13:27	1°959'02			3289 Nov 23 13:24	5°0	
	3284 Nov 23 00:17	30°RⅡ			3290 Jan 02 18:39	0°≈	
min. Earth dist.	3284 Dec 06 01:57		0.49985 AU	evening set	3290 Jan 12 05:53	7°≈16'15	
greatest brilliancy	3284 Dec 13 10:24	23° <b>I</b> I15'37			3290 Feb 10 09:23	0° <b>)</b> €	
opposition direct	3284 Dec 14 03:16	23° <b>Ⅱ</b> 00'02 15° <b>Ⅱ</b> 39'25	2°10'26	agnismation	2200 Mar. 19, 12,57	28° <b>)</b> 35'35	0056110
direct	3285 Jan 17 06:59 3285 Mar 12 21:40	13° <b>Щ</b> 39′23		conjunction minimum elong	3290 Mar 18 13:57 3290 Mar 18 16:51	28° <b>X</b> 33'33	
	3285 May 10 13:08	0° <b>U</b>		minimum elong	3290 Mar 18 16.31 3290 Mar 20 08:41	28 <b>π</b> 41 18	0 3017
	3285 Jul 01 06:34	0° <b>m</b> )		max. Earth dist.	3290 Mai 20 08:41 3290 Apr 16 22:06		2.37264 AU
	3285 Aug 19 12:41	0∘ <b>ت</b> مال		max. Darui dist.	3290 Apr 27 14:43	0° <b>8</b>	2.3 , 207 AU
	3285 Oct 05 17:53	0° <b>™</b>		morning rise	3290 May 28 17:31	23° <b>8</b> 48'01	
evening set	3285 Oct 09 06:21	2°M-17'27			3290 Jun 05 23:58	0°II	
max. Earth dist.	3285 Oct 29 21:51	15°ML54'11	2.58691 AU	asc. node	3290 Jun 25 05:37	14° <b>Ⅱ</b> 11'09	
desc. node	3285 Nov 16 13:38	27° <b>M</b> 47'06			3290 Jul 17 05:58	0°©	
	3285 Nov 19 19:42	0° <b>∡</b> ¹			3290 Aug 29 23:14	$0^{\circ}\Omega$	
					3290 Oct 15 23:10	0° mp	
conjunction	3285 Nov 25 02:22	3° <b>∡</b> ¹36'38	-0°04'57		3290 Dec 07 19:55	0∘ <b>⊽</b>	
minimum elong	3285 Nov 25 02:10	3° <b>∡</b> ³36′16	0°04'56	retrograde	3291 Feb 24 19:34	25° <b>ჲ</b> 26'33	
behind sun begin	3285 Nov 24 06:50	3° <b>∡</b> 03'09		opposition	3291 Apr 05 09:36	16° <b>≏</b> 11'02	3°09'14
behind sun end	3285 Nov 25 21:29	4° <b>∡</b> ¹09'25		greatest brilliancy	3291 Apr 05 17:32	16° <b>≏</b> 03'14	-1.3m
	3286 Jan 01 18:24	0°ಕ		min. Earth dist.	3291 Apr 08 07:15	15° <b>≙</b> 02'40	0.66593 AU
morning rise	3286 Jan 13 02:37	8° <b>る</b> 09'41		direct	3291 May 16 21:53	6° <b>ჲ</b> 09'23	
	3286 Feb 11 20:02	0° <b>≈</b>		desc. node	3291 Jul 09 09:33	19° <b>≏</b> 43'33	
	3286 Mar 23 11:45	0° <b>∀</b>			3291 Jul 30 20:12	0°M	
	3286 May 01 09:21	0° <b>Υ</b>			3291 Sep 19 23:56	0° <b>⊼</b>	
	3286 Jun 09 09:15	%B 0°B			3291 Nov 03 01:40	ි ව°0	
	3286 Jul 19 14:39	0° <b>Ⅱ</b>			3291 Dec 13 15:10	0° <b>∞</b>	
	3286 Aug 31 19:46	0ං <b>වෙ</b>			3292 Jan 21 07:25	0° <b>∀</b>	

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greatest brilliancy	3292 Jan 23 23:12	2° <b>∺</b> 05'26	1.2m		3296 Oct 03 02:08	0∘ <b>ত</b>	
	3292 Feb 28 07:46	$0$ ° $\mathbf{\gamma}$		morning rise	3296 Oct 12 21:59	6° <b>≏</b> 14'28	
evening set	3292 Mar 23 05:44	18° <b>Ƴ</b> 46′23			3296 Nov 19 07:32	$0^\circ$ M	
	3292 Apr 06 16:57	$9^{\circ}$ 8			3297 Jan 05 10:02	0° <b>∡</b> ¹	
asc. node	3292 May 12 04:50	26° <b>8</b> 56'42			3297 Feb 21 13:14	ರ°0	
	3292 May 16 07:27	$\Pi^{\circ}0$		desc. node	3297 Feb 28 06:49	4° <b>る</b> 15'42	
	•				3297 Apr 10 11:32	0° <b>≈</b>	
conjunction	3292 May 28 02:27	8° <b>Ⅱ</b> 41'06	0°10'26		3297 Jun 01 00:21	0° <b>)</b> €	
minimum elong	3292 May 28 01:39	8° <b>∏</b> 39'39		retrograde	3297 Aug 10 07:05	23° <b>)</b> 24'23	
behind sun begin	3292 May 27 05:28	8° <b>Ⅱ</b> 02'44	0 1025	opposition	3297 Sep 09 09:20	18° <b>H</b> 26'40	6020140
behind sun end	•	9° <b>Ⅱ</b> 16'31			-	18° <b>)</b> (2040	
bennia sun ena	3292 May 28 21:50			greatest brilliancy	3297 Sep 09 16:30		
	3292 Jun 26 18:16	0.2 0.2		min. Earth dist.	3297 Sep 10 00:07	18° <b>)</b> 16'51	0.37191 AU
max. Earth dist.	3292 Jul 09 09:38		2.50219 AU	direct	3297 Oct 09 06:13	13° <b>∺</b> 28′08	
morning rise	3292 Jul 26 06:18	20° <b>©</b> 27'21			3297 Dec 03 09:15	$0^{\circ}$ $\Upsilon$	
	3292 Aug 09 09:15	$0 {\circ} \Omega$		asc. node	3298 Jan 02 01:15	16° <b>Ƴ</b> 37'11	
	3292 Sep 24 07:27	0° mp			3298 Jan 23 17:04	$9^{\circ}$ 8	
	3292 Nov 11 19:39	0∘ <b>ত</b>			3298 Mar 11 04:46	$\Pi^{\circ}0$	
	3293 Jan 03 16:55	0°M			3298 Apr 26 08:29	0ಂತಾ	
	3293 Mar 22 16:07	0° <b>∡</b> ¹			3298 Jun 12 03:27	$0^{\circ}\Omega$	
retrograde	3293 Apr 04 06:04	0° <b>∡</b> 754'57			3298 Jul 29 12:40	0° m/y	
retrograde	3293 Apr 16 08:49	30°RM		evening set	3298 Aug 19 20:50	13° <b>m</b> ) 28'33	
annagition	•		0°35'45	evening set	•	19 m/2033 0° <b>Ω</b>	
opposition	3293 May 11 20:05			E d E d	3298 Sep 14 22:56		2 (710( AII
greatest brilliancy	3293 May 12 00:01	22°M34'29	-1.7m	max. Earth dist.	3298 Sep 26 07:01	/***12'56	2.67196 AU
min. Earth dist.	3293 May 18 09:42	20°M09'47	0.59281 AU			_	
desc. node	3293 May 26 08:40	17° <b>M</b> 21'51		conjunction	3298 Oct 04 07:49	12° <b>≏</b> 20'46	0°50'39
direct	3293 Jun 21 16:06	12°M51'47		minimum elong	3298 Oct 04 08:53	12° <b>≏</b> 22'29	0°50'38
	3293 Aug 19 05:39	0° <b>∡</b> ¹			3298 Oct 31 18:13	$0^{\circ}$ M	
	3293 Oct 08 20:06	ರ°ರ		morning rise	3298 Nov 17 13:02	10°M55'20	
	3293 Nov 20 06:47	0° <b>≈</b>			3298 Dec 16 11:00	0° <b>∡</b> ¹	
	3293 Dec 29 18:49	0° <b>∀</b>		desc. node	3299 Jan 16 05:44	20° <b>∡</b> 42'09	
	3294 Feb 06 08:44	0°Υ			3299 Jan 29 20:38	0°る	
	3294 Mar 17 07:17	0°8			3299 Mar 14 00:39	0° <b>≈</b>	
asc. node	3294 Mar 30 04:20	9° <b>8</b> 44'21			3299 Apr 25 05:05	0° <b>∺</b>	
asc. Houe					•	0° <b>Υ</b>	
	3294 Apr 26 12:10	0°II			3299 Jun 06 02:12		
evening set	3294 May 26 02:24	21° <b>Ⅱ</b> 16′12			3299 Jul 19 10:41	0°8	
	3294 Jun 07 12:55	0ಂತ			3299 Sep 09 20:41	$\Pi^{\circ}0$	
				retrograde	3299 Oct 18 16:45	9° <b>Ⅱ</b> 31'42	
conjunction	3294 Jul 19 20:07	28° <b>©</b> 51'01	0°57'56	min. Earth dist.	3299 Nov 15 05:08	4° <b>Ⅱ</b> 21'42	0.44642 AU
minimum elong	3294 Jul 19 18:40	28° <b>©</b> 48'36	0°57'56	asc. node	3299 Nov 20 01:32	2° <b>Ⅱ</b> 42'36	
	3294 Jul 21 13:28	$0 ^{\circ} \Omega$		opposition	3299 Nov 23 10:13	1° <b>Ⅲ</b> 33'04	0°12'03
max. Earth dist.	3294 Aug 10 13:53	13° <b>Ω</b> 14'02	2.61144 AU	greatest brilliancy	3289 Sep 19 04:09	15°M04'45	1.4m
	3294 Sep 05 09:29	0°m			3299 Nov 28 01:39	30° <b>₹</b> 8	
morning rise	3294 Sep 07 08:19	1° mp 15'18		direct	3299 Dec 25 14:56	25° <b>8</b> 04'33	
morning rise	3294 Oct 22 16:19	0∘ <b>⊽</b>			3300 Jan 23 21:07	0°II	
	3294 Dec 10 07:19	0° <b>m</b>			3300 Mar 30 00:59	0°©	
		0° <b>⊼</b>				0°Ω	
	3295 Jan 30 03:18				3300 May 21 05:45		
	3295 Mar 28 23:50	0°る			3300 Jul 10 01:57	0° <b>т</b> р	
desc. node	3295 Apr 13 08:03	6° <b>る</b> 19'53			3300 Aug 27 14:10	0∘ <b>ত</b>	
retrograde	3295 May 26 16:21	15° <b>る</b> 38'34		evening set	3300 Sep 25 15:01	18° <b>≏</b> 24'28	
opposition	3295 Jun 29 09:20	9° <b>る</b> 03'56	-3°41'07		3300 Oct 13 13:51	0°M₊	
greatest brilliancy	3295 Jun 30 11:34	8° <b>る</b> 41'59	-2.3m	max. Earth dist.	3300 Oct 20 11:12	4°M29'45	2.62079 AU
min. Earth dist.	3295 Jul 07 19:37	6° <b>る</b> 15'25	0.46779 AU				
direct	3295 Aug 05 09:41	0° <b>る</b> 59'53		conjunction	3300 Nov 10 10:19	18°M21'08	0°13'22
	3295 Oct 20 04:16	0° <b>≈</b>		minimum elong	3300 Nov 10 10:46	18°M21'54	0°13'22
	3295 Dec 03 10:58	0° <b>∀</b>		behind sun begin	3300 Nov 09 23:47	18°M03'35	
	3296 Jan 13 09:02	$_0$ $^{\circ}$ $^{\circ}$		behind sun end	3300 Nov 10 21:45	18°M40'13	
asc. node	3296 Feb 15 02:16	24° <b>Υ</b> 12'09			3300 Nov 27 17:35	0° <b>∡</b> 7	
200. 11000	3296 Feb 22 23:51	0°8		desc. node	3300 Dec 04 04:33	4° <b>∡</b> 123'58	
		0°II			3300 Dec 04 04.33 3300 Dec 27 03:04	4 <b>x</b> ·23 38 20° <b>x</b> 15′29	
	3296 Apr 04 14:24			morning rise			
	3296 May 17 19:38	0° <b>©</b>			3301 Jan 09 22:58	600 600 600 600 600 600 600 600 600 600	
	3296 Jul 01 17:43	$0^{\circ}\Omega$			3301 Feb 20 10:16	0° <b>≈</b>	
evening set	3296 Jul 11 16:09	6° <b>Ω</b> 30′02			3301 Apr 01 12:39	0° <b>∀</b>	
	3296 Aug 17 00:48	0° <b>m</b>			3301 May 10 20:49	$0^{\circ}\mathbf{\Upsilon}$	
					3301 Jun 19 08:08	$9^{\circ}$ 8	
conjunction	3296 Aug 28 18:27	7° <b>m</b> 30'43	1°07'58		3301 Jul 30 07:16	$\Pi^{\circ}0$	
minimum elong	3296 Aug 28 18:44	7° <b>m</b> 31'10	1°07'57		3301 Sep 13 12:06	0°9	
max. Earth dist.	3296 Sep 03 06:26		2.66900 AU	asc. node	3301 Oct 08 00:21	13°549'52	

	2201 N 21 02-25	000			2206 N 12 01-10	0°₹	
	3301 Nov 21 02:35	0°Ω			3306 Nov 12 01:10	0°≈	
retrograde	3301 Dec 03 23:50	1° <b>Ω</b> 06'46 30°Rூ			3306 Dec 22 09:37 3307 Jan 30 00:06	0° <b>∺</b>	
min. Earth dist.	3301 Dec 16 10:40 3302 Jan 05 22:33	23°\$49'03	0.57628 AU	avaning sat	3307 Feb 24 14:07	0 <del>X</del> 20° <del>X</del> 12'54	
	3302 Jan 11 07:35	23 <b>34</b> 903 21° <b>9</b> 42'57	-1.8m	evening set	3307 Neo 24 14.07 3307 Mar 08 22:59	20 χ 12 34 0° <b>Υ</b>	
greatest brilliancy opposition	3302 Jan 12 05:29	21°9521'29	3°54'18		3307 Apr 16 05:57	0°8	
direct	3302 Jan 12 03:29 3302 Feb 17 22:11	12° <b>©</b> 59'08	3 34 16		5507 Apr 10 05.57	0.0	
direct		0°Ω		agniumation	2207 May 04 04:22	13° <b>8</b> 46'41	0017142
	3302 Apr 20 16:47	0°Mp		conjunction	3307 May 04 04:23	13° <b>8</b> 49'45	
	3302 Jun 17 22:05	0∘ <b>ʊ</b> ∩ ıñ		minimum elong	3307 May 04 06:00	13 <b>O</b> 4943	0 1/43
	3302 Aug 08 03:33			1	3307 May 25 17:16	0°Щ 3°Щ49'01	
1 1	3302 Sep 25 01:24	0°M 17°M 4€100		asc. node	3307 May 30 20:41		2 44005 ATT
desc. node	3302 Oct 22 03:07	17°M46'08		max. Earth dist.	3307 Jun 23 05:54	20° <b>∏</b> 52'44	2.44885 AU
evening set	3302 Nov 03 19:32	26°M18'26			3307 Jul 06 00:43	0°©	
P. J. P.	3302 Nov 09 05:38	0° ⊀ <sup>7</sup>	2.52005.433	morning rise	3307 Jul 07 18:57	1° <b>©</b> 14'37	
max. Earth dist.	3302 Nov 19 08:40	6° <b>≯</b> 758'07	2.52007 AU		3307 Aug 18 14:23	$\Omega^{\circ}$	
	3302 Dec 21 22:31	0°₹			3307 Oct 03 17:54	0° <b>m</b> )	
					3307 Nov 22 06:24	0∘ <b>⊽</b>	
conjunction	3302 Dec 23 15:16	1°る13'34			3308 Jan 18 11:22	0°M	
minimum elong	3302 Dec 23 13:49	1° <b>る</b> 10'57	0°35'03	retrograde	3308 Mar 19 22:40	16° <b>™</b> 40'34	
	3303 Jan 31 14:03	0° <b>≈</b>		opposition	3308 Apr 27 11:54	7° <b>M</b> 56′52	1°45'45
morning rise	3303 Feb 16 16:12	12° <b>≈</b> 12'59		greatest brilliancy	3308 Apr 27 20:28	7° <b>™</b> 48'38	-1.5m
	3303 Mar 11 18:16	0° <b>∀</b>		min. Earth dist.	3308 May 02 16:29	5°M57'03	0.62909 AU
	3303 Apr 19 04:57	0° <b>Υ</b>			3308 May 21 05:01	30°Ŗ <b>죠</b>	
	3303 May 27 18:33	$9^{\circ}$ 8		direct	3308 Jun 07 20:43	27° <b>≏</b> 58'03	
	3303 Jul 06 09:58	$\Pi$ °0		desc. node	3308 Jun 13 00:10	28° <b>≏</b> 08'05	
	3303 Aug 17 06:58	0			3308 Jun 26 08:17	0°M₊	
asc. node	3303 Aug 25 22:52	5° <b>©</b> 55'12			3308 Sep 03 06:58	0° <b>∡</b> ¹	
	3303 Oct 02 07:11	$0 {\circ} \Omega$			3308 Oct 19 20:26	0°₹	
	3303 Nov 29 04:28	0° <b>m</b> y			3308 Nov 30 05:26	0° <b>≈</b>	
retrograde	3304 Jan 09 17:56	9° <b>™</b> 14'15			3309 Jan 08 06:10	0° <b>∀</b>	
min. Earth dist.	3304 Feb 16 12:45	0° Mp 18′06	0.65897 AU		3309 Feb 15 12:16	$0^{\circ}$ Y	
	3304 Feb 17 06:52	30° <b>₽</b> Ω			3309 Mar 26 03:30	0°B	
opposition	3304 Feb 19 00:22	29° <b>Ω</b> 18′27	4°35'56	asc. node	3309 Apr 16 19:41	16° <b>8</b> 27'06	
greatest brilliancy	3304 Feb 18 14:18	29° <b>Ω</b> 28'32	-1.4m	evening set	3309 May 04 12:29	29° <b>8</b> 37'11	
direct	3304 Mar 29 15:53	19° <b>Ω</b> 53'33			3309 May 05 00:53	$\Pi$ $^{\circ}0$	
	3304 May 14 15:52	O° Mp			3309 Jun 15 18:25	$0$ $\circ$ $\odot$	
	3304 Jul 15 17:12	0∘ <b>ত</b>					
	3304 Sep 04 07:09	$0^{\circ}$ M		conjunction	3309 Jul 02 07:24	11° <b>5</b> 29'54	0°44'29
desc. node	3304 Sep 08 01:45	2°M22'21		minimum elong	3309 Jul 02 05:32	11° <b>©</b> 26'39	0°44'28
	3304 Oct 20 05:17	0° <b>∡</b> ¹			3309 Jul 29 13:35	$0^{\circ}\Omega$	
	3304 Dec 01 21:22	8°0		max. Earth dist.	3309 Jul 31 11:14	1° <b>Ω</b> 16′19	2.57447 AU
evening set	3304 Dec 20 23:37	14° <b>る</b> 02'13		morning rise	3309 Aug 23 19:18	16° <b>Ω</b> 41'24	
	3305 Jan 11 04:02	0° <b>≈</b>			3309 Sep 13 08:16	O° <b>m</b> y	
max. Earth dist.	3305 Jan 14 13:04	2° <b>≈</b> 34'40	2.39174 AU		3309 Oct 30 22:10	0∘ <b>⊽</b>	
	3305 Feb 18 21:18	0° <b>)</b> €			3309 Dec 19 14:48	$0^{\circ}$ M.	
					3310 Feb 11 20:03	0° <b>∡</b> ¹	
conjunction	3305 Feb 19 02:41	0° <b>)</b> 10′34	-1°04'52	desc. node	3310 Apr 30 22:35	26° <b>∡</b> ³30′19	
minimum elong	3305 Feb 19 02:52	0° <b>ℋ</b> 10'55	1°04'51	retrograde	3310 May 04 21:32	26° <b>∡</b> ³35'54	
	3305 Mar 28 22:28	$0^{\circ}$ Y		opposition	3310 Jun 09 09:02	19° <b>∡</b> 14'31	-1°48'09
morning rise	3305 Apr 30 01:29	25° <b>Y</b> 13'10		greatest brilliancy	3310 Jun 09 21:47	19° <b>∡</b> °03′11	-2.0m
	3305 May 06 05:07	0°8		min. Earth dist.	3310 Jun 17 13:38	16° <b>∡</b> 19'33	0.52088 AU
	3305 Jun 14 13:50	$\Pi$ °0		direct	3310 Jul 18 10:37	10° <b>∡</b> 13'55	
asc. node	3305 Jul 12 22:34	20° <b>Ⅱ</b> 48′22			3310 Sep 17 20:25	8°0	
	3305 Jul 25 19:53	$0$ $\circ$ $\odot$			3310 Nov 04 08:58	0° <b>≈</b>	
	3305 Sep 07 18:25	$0^{\circ}\Omega$			3310 Dec 15 14:44	0° <b>)</b> €	
	3305 Oct 25 17:49	0° <b>m</b> y			3311 Jan 24 03:59	$0^{\circ}$ Y	
	3305 Dec 22 12:44	0∘ <b>⊽</b>		asc. node	3311 Mar 04 19:46	29° <b>Y</b> 58'20	
retrograde	3306 Feb 12 01:28	12° <b>≏</b> 43'51			3311 Mar 04 20:40	0° <b>႘</b>	
opposition	3306 Mar 24 01:34	3° <b>£</b> 12'34	3°47'10		3311 Apr 14 17:37	0°Щ	
greatest brilliancy	3306 Mar 24 05:54	3° <b>ჲ</b> 08'17	-1.3m		3311 May 27 08:25	0ಂ <b>ತಾ</b>	
min. Earth dist.	3306 Mar 25 11:11	2° <b>₽</b> 39'17	0.67703 AU	evening set	3311 Jun 26 14:19	20°531'48	
	3306 Apr 01 07:21	30°R, Mp			3311 Jul 10 19:48	$0^{\circ}\Omega$	
direct	3306 May 04 07:55	23° m 15'48					
				conjunction	3311 Aug 15 17:34	23° <b>Ω</b> 28′08	1°07'50
	3306 Jun 09 14:23	0∘ <b>⊽</b>		conjunction	3311 Aug 13 17.34	23 002000	1 0/30
desc. node	3306 Jun 09 14:23 3306 Jul 27 01:14	0° <u>11</u> 21° <b>1</b> 09'16		minimum elong	3311 Aug 15 17:34 3311 Aug 15 17:13	23° <b>Ω</b> 27'35	1°07'51
desc. node				-	•		
desc. node	3306 Jul 27 01:14	21° <b>≏</b> 09'16		-	3311 Aug 15 17:13	23° <b>Ω</b> 27'35 0° <b>m</b>	

	2211 0 4 01 02 46	220 W-00100			2217 1 07 01 02	2005 T	
morning rise	3311 Oct 01 02:46	23° m 09'00			3317 Jan 07 01:03	30°RⅡ	
	3311 Oct 11 22:05	0° <b>™</b>		direct	3317 Jan 30 02:39	26° <b>Ⅲ</b> 27'22	
	3311 Nov 28 12:40	0° <b>M</b>			3317 Feb 23 24:00	0°©	
	3312 Jan 15 15:00	0° <b>∡</b> ″			3317 May 04 09:06	$0$ $^{\circ}$ $\Omega$	
	3312 Mar 04 22:38	0°ಕ			3317 Jun 26 18:13	0° <b>™</b>	
desc. node	3312 Mar 17 21:35	7° <b>る</b> 36'54			3317 Aug 15 14:46	0∘ <b>⊽</b>	
	3312 Apr 27 10:45	0° <b>≈</b>			3317 Oct 02 01:38	$0^{\circ}$ M	
retrograde	3312 Jul 09 20:28	23° <b>≈</b> 34'46		evening set	3317 Oct 18 22:05	11° <b>M</b> 01'27	
opposition	3312 Aug 09 14:00	18° <b>≈</b> 19'28	-6°26'13	max. Earth dist.	3317 Nov 06 11:24	23°M24'39	2.56474 AU
greatest brilliancy	3312 Aug 10 20:16	17° <b>≈</b> 58'04	-2.8m	desc. node	3317 Nov 07 18:44	24°M17'33	
min. Earth dist.	3312 Aug 15 04:57	16° <b>≈</b> 44'23	0.39468 AU		3317 Nov 16 04:30	0° <b>∡</b> ¹	
direct	3312 Sep 10 22:07	12° <b>≈</b> 22'52					
	3312 Nov 05 22:12	0° <b>∀</b>		conjunction	3317 Dec 05 14:49	13° <b>∡</b> ¹24'49	-0°16'00
	3312 Dec 24 15:32	$_{0}$ $^{\circ}$ $\gamma$		minimum elong	3317 Dec 05 14:11	13° <b>∡</b> °23'42	
asc. node	3313 Jan 19 18:23	17° <b>Ƴ</b> 43'41		behind sun begin	3317 Dec 05 10:54	13°× 17'58	0 10 0
ase. Houe	3313 Feb 06 13:42	0°8		behind sun end	3317 Dec 05 10:34 3317 Dec 05 17:28	13°×729'25	
	3313 Mar 22 04:54	0°II		bennia sun ena	3317 Dec 03 17:28 3317 Dec 29 01:14	0°る	
		0ಂ <b>ತಾ</b>			3318 Jan 25 09:53	0 0 19° <b>る</b> 55'18	
	3313 May 05 19:06			morning rise			
	3313 Jun 20 15:35	0° <b>Ω</b>			3318 Feb 07 23:15	0° <b>≈</b>	
evening set	3313 Aug 06 04:18	29° <b>Ω</b> 47'57			3318 Mar 19 10:42	0° <b>)</b> €	
	3313 Aug 06 11:52	0° <b>m</b>			3318 Apr 27 03:54	$0^{\circ}$ Y	
max. Earth dist.	3313 Sep 18 07:46	27° <b>m</b> 12'53	2.67727 AU		3318 Jun 04 23:17	$9^{\circ}$ 8	
					3318 Jul 14 21:51	$\Pi$ $^{\circ}0$	
conjunction	3313 Sep 21 07:15	29° Mp 06'33	1°00'03		3318 Aug 26 10:30	0∘ <b>ௐ</b>	
minimum elong	3313 Sep 21 08:11	29°M/08'01	1°00'03	asc. node	3318 Sep 11 15:46	10°9540'21	
	3313 Sep 22 16:52	0∘ <b>ত</b>			3318 Oct 13 17:57	$\mathfrak{O}^{\circ} \mathfrak{O}$	
morning rise	3313 Nov 04 12:43	27° <b>£</b> 22'41		retrograde	3318 Dec 27 01:16	25° <b>Ω</b> 29'04	
	3313 Nov 08 14:26	0°M,		min. Earth dist.	3319 Feb 01 02:08	17° <b>Ω</b> 07'13	0.63401 AU
	3313 Dec 24 17:17	0° <b>√</b>		greatest brilliancy	3319 Feb 04 10:09	15° <b>Ω</b> 47'21	-1.5m
desc. node	3314 Feb 02 20:49	26° <b>∡</b> ³37'18		opposition	3319 Feb 05 02:06	15° <b>Ω</b> 31'25	4°33'17
***************************************	3314 Feb 07 21:51	0°る		direct	3319 Mar 15 17:40	6° <b>Ω</b> 26'35	
	3314 Mar 24 06:50	0° <b>≈</b>			3319 May 31 05:05	0°m)	
	3314 May 07 05:11	0° <b>₩</b>			3319 Jul 25 17:27	0° <b>⊽</b> مسلا	
	3314 Jun 20 22:56	0° <b>Υ</b>				0°M	
		0°8		JJ.	3319 Sep 12 22:44		
. 1	3314 Aug 11 04:40			desc. node	3319 Sep 25 17:41	8°M12'41	
retrograde	3314 Sep 26 09:59	12° <b>8</b> 47'15	0.20004.441		3319 Oct 28 11:42	0° 🗷	
min. Earth dist.	3314 Oct 22 21:21	8° <b>8</b> 14'41	0.39984 AU	evening set	3319 Dec 01 12:42	23° <b>х</b> 48'10	
opposition	3314 Oct 29 13:19	6° <b>8</b> 13'00			3319 Dec 10 03:06	0°ಕ	
greatest brilliancy	3314 Oct 29 00:31	6° <b>8</b> 22'48	-2.8m	max. Earth dist.	3319 Dec 16 08:51		2.44109 AU
direct	3314 Nov 29 00:04	0° <b>8</b> 40'46			3320 Jan 19 12:24	0° <b>≈</b>	
asc. node	3314 Dec 07 16:56	1° <b>8</b> 10'44					
	3315 Feb 19 02:07	$\Pi$ $^{\circ}0$		conjunction	3320 Jan 25 17:50	4° <b>≈</b> 44'37	-0°59'28
	3315 Apr 11 16:55	$0$ $\circ$ $\odot$		minimum elong	3320 Jan 25 16:11	4° <b>≈</b> 41'28	0°59'27
	3315 May 30 22:12	$0^{\circ}\Omega$			3320 Feb 27 09:03	0° <b>∀</b>	
	3315 Jul 18 12:49	0° <b>m</b>		morning rise	3320 Mar 30 06:05	25° <b>)</b> €03'05	
	3315 Sep 04 12:10	0∘ <b>ত</b>			3320 Apr 05 12:51	$0^{\circ}\mathbf{Y}$	
evening set	3315 Sep 12 07:30	4° <b>£</b> 56'17			3320 May 13 20:54	0°8	
max. Earth dist.	3315 Oct 11 20:39		2.64704 AU		3320 Jun 22 06:26	0° <b>I</b> I	
	3315 Oct 21 08:43	0°M,		asc. node	3320 Jul 29 13:46	27° <b>Ⅱ</b> 08'44	
	3310 000 21 00.13	0 110		use. Houe	3320 Aug 02 14:51	0°9	
conjunction	3315 Oct 27 15:01	4° <b>M</b> .04'56	0°20'45		3320 Sep 15 23:54	$0^{\circ}\Omega$	
	3315 Oct 27 15:54	4°M06'23			3320 Nov 04 17:12	0° <b>m</b> )	
minimum elong			0 29 44			0∘ <b>⊽</b> ० ार्ष	
	3315 Dec 05 16:10	0° <b>∡</b> 7			3321 Jan 25 13:10		
morning rise	3315 Dec 11 20:48	4° <b>≯</b> 11′23		retrograde	3321 Jan 29 17:04	0° <b>Ω</b> 06'29	
desc. node	3315 Dec 21 19:34	10° <b>∡</b> 758'15			3321 Feb 02 19:40	30°₽, ₩	
	3316 Jan 18 06:38	0°₹		opposition	3321 Mar 10 22:52	20° Mp 22'52	
	3316 Feb 29 06:42	0° <b>≈</b>		greatest brilliancy	3321 Mar 10 22:08	20° <b>m</b> 23'37	
	3316 Apr 09 23:45	0° <b>∀</b>		min. Earth dist.	3321 Mar 10 20:10	20° <b>m</b> 25'34	0.67792 AU
	3316 May 19 23:24	$0$ ° $\mathbf{\Upsilon}$		direct	3321 Apr 20 17:38	10° ₩ 35'32	
	3316 Jun 29 05:36	$9^{\circ}$ 8			3321 Jun 27 06:05	0。 <b>ত</b>	
	3316 Aug 10 15:39	$\Pi^{\circ}0$		desc. node	3321 Aug 12 16:17	24° <b>≏</b> 45'35	
	3316 Sep 30 05:07	0ಂತಾ			3321 Aug 21 12:46	$0^{\circ}$ M	
asc. node	3316 Oct 24 17:01	9° <b>5</b> 46'07			3321 Oct 07 16:55	0°⊀	
retrograde	3316 Nov 17 16:29	13° <b>©</b> 33'13			3321 Nov 19 17:07	0°₹	
min. Earth dist.	3316 Dec 18 10:03		0.52854 AU		3321 Dec 29 23:52	0° <b>≈</b>	
opposition	3316 Dec 25 23:16	4°9512'33	2°58'19	evening set	3322 Jan 27 16:33	22°≈12'42	
greatest brilliancy	3316 Dec 25 02:28	4°932'20		- :	3322 Feb 06 14:40	0° <b>H</b>	
	JJ 10 10 10 10 02.20	32 20			2022 1 00 00 17.70	~ /\	

	3322 Mar 16 13:31	0° <b>Υ</b>			3326 Dec 06 01:14 3327 Jan 24 15:09	0° <b>™</b> 0° <i>⊀</i> 7	
conjunction	3322 Apr 05 05:41	15° <b>Ƴ</b> 30'26	-0°44'57		3327 Mar 18 23:02	0°ਤੇ	
minimum elong	3322 Apr 05 09:05	15° <b>Υ</b> 37'06		desc. node	3327 Apr 04 12:19	8°る19'01	
minimum ciong	*	0° <b>8</b>	0 44 34		•		
E d E d	3322 Apr 23 19:12	_	2 20401 411	retrograde	3327 Jun 11 05:16	28°る22'41 22°る16'39	40.4010.5
max. Earth dist.	3322 May 25 00:02	0° <b>Ⅱ</b>	2.39491 AU	opposition	3327 Jul 13 22:19		
	3322 Jun 02 04:10			greatest brilliancy	3327 Jul 15 06:11	21° <b>る</b> 51'17	
morning rise	3322 Jun 13 21:41	8° <b>Ⅱ</b> 41'52		min. Earth dist.	3327 Jul 21 22:56	19° <b>る</b> 44'31	0.43927 AU
asc. node	3322 Jun 16 13:49	10° <b>Ⅱ</b> 39'41		direct	3327 Aug 18 09:50	14°る54'25	
	3322 Jul 13 09:09	0.0			3327 Oct 08 12:20	0° <b>≈</b>	
	3322 Aug 25 23:18	0° <b>N</b>			3327 Nov 26 07:55	0° <b>∀</b>	
	3322 Oct 11 12:30	0° <b>m</b> )			3328 Jan 07 16:10	0° <b>Υ</b>	
	3322 Dec 01 17:16	0∘ <b>⊽</b>		asc. node	3328 Feb 06 10:44	21° <b>Y</b> 36'12	
	3323 Feb 09 07:52	0°M₊			3328 Feb 18 01:18	0°B	
retrograde	3323 Mar 05 23:44	3°M19'42			3328 Mar 31 04:21	$\Pi$ °0	
	3323 Mar 28 21:38	30° <b>₹</b> Ω			3328 May 13 18:19	0ංම	
opposition	3323 Apr 14 06:13	24° <b>≏</b> 14'25	2°41'54		3328 Jun 27 22:39	$0$ $^{\circ}\Omega$	
greatest brilliancy	3323 Apr 14 15:12	24° <b>£</b> 05'39	-1.4m	evening set	3328 Jul 21 20:06	15° <b>Ω</b> 30'45	
min. Earth dist.	3323 Apr 18 00:00	22° <b>≏</b> 46'49	0.65555 AU		3328 Aug 13 09:19	0° <b>m</b> y	
direct	3323 May 25 18:54	14° <b>≙</b> 11'55					
desc. node	3323 Jun 30 14:58	20° <b>£</b> 58'52		conjunction	3328 Sep 07 02:01	15° <b>M</b> 45'30	1°06'07
	3323 Jul 22 19:47	$0^{\circ}$ M.		minimum elong	3328 Sep 07 02:35	15° <b>m</b> 46'24	1°06'08
	3323 Sep 14 22:31	0° <b>∡</b> ¹		max. Earth dist.	3328 Sep 09 11:39	17° <b>m</b> ) 17'12	2.67425 AU
	3323 Oct 29 17:09	ರ°0			3328 Sep 29 11:19	0∘ <b>ऌ</b>	
	3323 Dec 09 12:45	0° <b>≈</b>		morning rise	3328 Oct 21 18:35	14° <b>≙</b> 11'27	
	3324 Jan 17 07:45	0° <b>∀</b>			3328 Nov 15 13:13	0° <b>M</b> .	
	3324 Feb 24 09:41	$0^{\circ}\mathbf{\Upsilon}$			3329 Jan 01 05:44	0° <b>∡</b> ¹	
	3324 Apr 02 20:24	0° <b>႘</b>			3329 Feb 16 12:46	0°⋜	
evening set	3324 Apr 08 20:00	4° <b>8</b> 35'53		desc. node	3329 Feb 19 12:02	1°る55'47	
asc. node	3324 May 03 13:22	23° <b>8</b> 19'41			3329 Apr 03 19:07	0° <b>≈</b>	
	3324 May 12 12:31	0°П			3329 May 21 04:04	0° <b>)</b> €	
	.,				3329 Jul 14 10:13	0° <b>Υ</b>	
conjunction	3324 Jun 11 06:32	21° <b>Ⅱ</b> 39'20	0°24'34	retrograde	3329 Aug 29 06:13	11° <b>Y</b> ′52'53	
minimum elong	3324 Jun 11 04:58	21° <b>II</b> 36'32		min. Earth dist.	3329 Sep 26 08:34		0.37346 AU
minimum crong	3324 Jun 23 00:30	0°95	0 2132	opposition	3329 Sep 28 21:45	6° <b>Υ</b> 36'12	
max. Earth dist.	3324 Jul 18 17:27	17° <b>9</b> 51'23	2.52959 AU	greatest brilliancy	3329 Sep 28 14:53	6°Υ40'50	
man. Darm dist.	3324 Aug 05 15:40	0°Ω	2.02,0,110	direct	3329 Oct 28 06:42	1° <b>Υ</b> 41'14	2.9
morning rise	3324 Aug 06 18:37	0° <b>Ω</b> 45'10		asc. node	3329 Dec 24 09:48	18° <b>Ƴ</b> 43'47	
morning rise	3324 Sep 20 10:49	0° mp		ase. Houe	3330 Jan 14 10:02	0°8	
	3324 Nov 07 12:09	0∘ <b>ʊ</b> ი ო			3330 Mar 05 02:06	0°II	
	3324 Dec 28 20:47	0° <b>m</b>			3330 Apr 21 13:00	0°©	
	3325 Feb 28 15:25	0° <b>⊼</b>			3330 Jun 08 00:08	0° <b>Ω</b>	
retrograde	3325 Apr 15 07:32	10° <b>₹</b> 01'53			3330 Jul 25 17:56	0° <b>m</b> )	
desc. node	3325 May 17 13:53	3° <b>₹</b> 44'14		evening set	3330 Aug 29 01:34	21° Mp 35'52	
opposition	•	2° <b>₹</b> 02'39	0011150	evening set	3330 Sep 11 08:13	ე∘ <b>ত</b>	
	3325 May 22 05:39	2° <b>₹</b> 02'39 2° <b>₹</b> 01'26		may Earth dist	3330 Sep 11 08.13 3330 Oct 02 13:33		2 66547 ATT
greatest brilliancy	3325 May 22 06:59		-1.0111	max. Earth dist.	3330 Oct 02 13.33	13 == 30 48	2.66547 AU
min. Earth dist.	3325 May 27 17:32 3325 May 29 11:38	30°RM 29°M21'19	0.56926 AU	conjunction	3330 Oct 13 08:16	20° <b>£</b> 25'46	00/3/45
	•		0.30920 AU	minimum elong			
direct	3325 Jul 01 14:16 3325 Aug 06 21:45	22° <b>™</b> 27'44 0° <b>҂</b>		minimum elong	3330 Oct 13 09:20 3330 Oct 28 03:54	20° <b>£</b> 27'29	U 43 44
	Č					0°M	
	3325 Oct 02 16:15	0°る		morning rise	3330 Nov 26 18:32	19° <b>™</b> 23'30 0° <b>৴</b>	
	3325 Nov 15 06:04			1 1	3330 Dec 12 17:12		
	3325 Dec 25 04:57	0° <b>∀</b>		desc. node	3331 Jan 07 11:29	17° <b>∡</b> ¹24'20	
	3326 Feb 02 00:55	0° <b>Υ</b>			3331 Jan 25 19:31	0° <b>ප</b>	
	3326 Mar 13 04:10	0°8			3331 Mar 09 12:07	0° <b>≈</b>	
asc. node	3326 Mar 21 11:41	6° <b>8</b> 16'13			3331 Apr 20 01:22	0° <b>∀</b>	
	3326 Apr 22 13:18	0° <b>I</b> I			3331 May 31 01:01	0°Υ	
	3326 Jun 03 17:38	0°©			3331 Jul 11 18:39	0° <b>B</b>	
evening set	3326 Jun 07 18:01	2°5547'04			3331 Aug 26 20:18	0°II	
	3326 Jul 17 20:57	$0$ $^{\circ}$ $\Omega$		retrograde	3331 Oct 31 08:47	23° <b>Ⅱ</b> 12'32	
		_		asc. node	3331 Nov 11 08:11	22° <b>Ⅱ</b> 19'11	
conjunction	3326 Jul 30 14:50	8° <b>Ω</b> 26′29		min. Earth dist.	3331 Nov 28 21:35	17° <b>∐</b> 35'25	0.47597 AU
minimum elong	3326 Jul 30 13:47	8° <b>Ω</b> 24'45		opposition	3331 Dec 07 04:49	14° <b>Ⅱ</b> 37'06	1°26'09
max. Earth dist.	3326 Aug 17 11:39		2.62851 AU	greatest brilliancy	3331 Dec 06 16:59	14° <b>Ⅱ</b> 47'42	-2.3m
	3326 Sep 01 17:34	0°Щ		direct	3332 Jan 09 12:38	7° <b>Ⅱ</b> 38'29	
morning rise	3326 Sep 16 19:47	9° <b>m</b> 40'43			3332 Mar 20 19:34	0ංම	
	3326 Oct 18 21:12	0∘ <b>⊽</b>			3332 May 15 00:56	$0$ ° $\Omega$	

evening set	3332 Jul 04 20:58 3332 Aug 22 19:17 3332 Oct 03 22:19	0° <b>ሙ</b> 0° <b>亞</b> 26° <b>亞</b> 44'38 0° <b>ጤ</b>		conjunction minimum elong	3337 Mar 06 20:06 3337 Mar 06 21:55 3337 Mar 24 02:16	16°¥21'30 16°¥25'05 0° <b>Y</b> 0° <b>8</b>	
max. Earth dist.	3332 Oct 08 22:53 3332 Oct 26 11:02	11°ML28'09	2.60308 AU	morning rise	3337 May 01 08:00 3337 May 17 03:29 3337 Jun 09 16:04	12° <b>В</b> 11'37 0° <b>П</b>	
conjunction minimum elong behind sun begin behind sun end	3332 Nov 19 05:15 3332 Nov 19 05:20 3332 Nov 18 09:51 3332 Nov 20 00:48 3332 Nov 23 02:35	27°M21'43 27°M21'50 26°M48'54 27°M54'48 0°×7	0°03'00 0°03'00	asc. node	3337 Jul 03 05:51 3337 Jul 20 20:29 3337 Sep 02 13:55 3337 Oct 19 20:00 3337 Dec 13 02:16	17°∏22'09 0°© 0°Ω 0°Ω 0°™ 0°Ф	
desc. node	3332 Nov 24 09:50 3333 Jan 05 05:19	0°≴753'09 0°₹		retrograde opposition	3338 Feb 19 21:47 3338 Mar 31 16:39	20° <b>£</b> 28'54 11° <b>£</b> 06'01	3°26'09
morning rise	3333 Jan 06 01:35	0°₹36'06		greatest brilliancy	3338 Mar 31 23:12	10° <b>ჲ</b> 59'33	-1.3m
	3333 Feb 15 11:58 3333 Mar 27 08:52	0° <b>∺</b>		min. Earth dist. direct	3338 Apr 02 22:28 3338 May 12 02:32	10° <b>£</b> 12'57 1° <b>£</b> 05'52	0.67213 AU
	3333 May 05 10:51	0° <b>Υ</b>		desc. node	3338 Jul 17 05:55	20° <b>£</b> 18'51	
	3333 Jun 13 14:42	0° <b>8</b>			3338 Aug 05 02:55	0°M	
	3333 Jul 24 01:20 3333 Sep 05 19:44	0°© 10°0			3338 Sep 24 02:58 3338 Nov 06 22:52	0°⋜	
asc. node	3333 Sep 03 19.44 3333 Sep 28 07:54	13°5946'32			3338 Dec 17 11:08	0°≈	
	3333 Oct 30 00:08	$0^{\circ}\Omega$			3339 Jan 25 03:08	0° <b>)</b> €	
retrograde	3333 Dec 12 17:21	10° <b>Ω</b> 43'12			3339 Mar 04 02:38	0°Υ	
min. Earth dist. greatest brilliancy	3334 Jan 15 19:25 3334 Jan 20 10:36	3°Ω00'49 1°Ω10'57	0.59933 AU -1.6m	evening set	3339 Mar 12 18:09 3339 Apr 11 10:04	6° <b>Ƴ</b> 49'14 0° <b>呂</b>	
opposition	3334 Jan 21 07:11	0° <b>Ω</b> 50'32			5557 Apr 11 10.04	<b>° O</b>	
	3334 Jan 23 10:32	30°R∽		conjunction	3339 May 19 05:33	28° <b>8</b> 44'31	
direct	3334 Feb 27 17:50	22°©11'08		minimum elong	3339 May 19 05:36	28° <b>8</b> 44'37	0°01'20
	3334 Apr 08 00:26 3334 Jun 11 11:01	0° <b>Ω</b> 0° <b>m</b>		behind sun begin behind sun end	3339 May 18 02:25 3339 May 20 08:48	27° <b>8</b> 53'57 29° <b>8</b> 35'14	
	3334 Aug 02 21:37	0∘ <b>ರ</b> ೧.ಗ		Semina san ena	3339 May 20 22:07	0°П	
	3334 Sep 20 05:50	$0^{\circ}$ M		asc. node	3339 May 21 04:59	0°Ⅱ12'47	
desc. node	3334 Oct 12 08:16	14°M24'01		F4h 4i-4	3339 Jul 01 05:56	0°©	2 47072 ALL
evening set	3334 Nov 04 13:18 3334 Nov 13 09:45	0° <b>₰</b> 6° <b>₰</b> 04'46		max. Earth dist. morning rise	3339 Jul 04 06:15 3339 Jul 19 18:21	2° <b>©</b> 07'44 12° <b>©</b> 57'18	2.47872 AU
max. Earth dist.	3334 Nov 27 21:16	16° <b>⊀</b> 11'03	2.49290 AU	morning rise	3339 Aug 13 18:47	0°Ω	
	3334 Dec 17 06:07	0°ප			3339 Sep 28 17:20	0° <b>m</b>	
conjugation	3335 Jan 03 19:33	12°₹49'04	0045117		3339 Nov 16 13:01 3340 Jan 09 18:09	0° <b>™</b>	
conjunction minimum elong	3335 Jan 03 17:47	12 <b>3</b> 4904 12° <b>3</b> 45'47		retrograde	3340 Mar 29 02:10	25°M09'47	
2	3335 Jan 26 19:43	0° <b>≈</b>		opposition	3340 May 06 03:00	16°M40′25	1°06'46
morning rise	3335 Mar 02 21:15	26° <b>≈</b> 53'04		greatest brilliancy	3340 May 06 09:28	16°M34'16	-1.6m
	3335 Mar 06 21:30 3335 Apr 14 05:39	0° <b>ℋ</b> 0° <b>Ƴ</b>		min. Earth dist. desc. node	3340 May 12 02:09 3340 Jun 03 04:34	14°M24'07 7°M54'35	0.61006 AU
	3335 May 22 16:44	0°8		direct	3340 Jun 16 05:26	6°M47'07	
	3335 Jul 01 04:57	$\Pi$ °0			3340 Aug 26 02:22	0° <b>∡</b> 7	
	3335 Aug 11 18:56	0.ee			3340 Oct 13 16:47	6°0	
asc. node	3335 Aug 16 07:35 3335 Sep 25 22:50	3° <b>©</b> 08'32 0° <b>Ω</b>			3340 Nov 24 16:09 3341 Jan 02 23:29	0° <b>₩</b>	
	3335 Nov 18 04:31	0° m/y			3341 Feb 10 09:37	0°Υ	
retrograde	3336 Jan 17 11:00	17° <b>m</b> 16'55			3341 Mar 21 04:04	$9^{\circ}$ 8	
min. Earth dist.	3336 Feb 25 02:38	8° Mp 03'43	0.66842 AU	asc. node	3341 Apr 07 04:41	12° <b>8</b> 54'32	
opposition greatest brilliancy	3336 Feb 26 17:57 3336 Feb 26 11:16	7° mp 24'23 7° mp 31'04	4°31'28 -1 3m	evening set	3341 Apr 30 04:29 3341 May 17 15:30	0° <b>П</b> 12° <b>П</b> 41'43	
greatest offinancy	3336 Mar 19 12:07	30°R <b>Ω</b>	1.5111	evening set	3341 Jun 11 00:30	0°95	
direct	3336 Apr 06 20:07	27° <b>Ω</b> 50′21					
	3336 Apr 26 13:11	0° <b>m</b>		conjunction	3341 Jul 13 02:08	22°503'54	
desc. node	3336 Jul 09 02:18 3336 Aug 29 07:11	0° <b>ჲ</b> 29° <b>ჲ</b> 34'29		minimum elong	3341 Jul 13 00:27 3341 Jul 24 21:17	22° <b>©</b> 01'03 0° <b>Ω</b>	0°52'57
200. 11040	3336 Aug 29 23:43	0° <b>M</b>		max. Earth dist.	3341 Aug 06 23:53	8° <b>Ω</b> 42'54	2.59584 AU
	3336 Oct 15 07:44	0° <b>∡</b>		morning rise	3341 Sep 01 19:40	25° <b>Ω</b> 35'51	
avanint	3336 Nov 27 02:57	0°る 27° <b>そ</b> 12112			3341 Sep 08 15:22	0° <b>െ</b> 0°™	
evening set	3337 Jan 02 17:38 3337 Jan 06 09:47	27°る12'13 0°≈			3341 Oct 26 00:07 3341 Dec 14 00:13	0° <b>M</b>	
	3337 Feb 14 02:12	0° <b>∀</b>			3342 Feb 03 23:37	0° <b>⊼</b> ¹	
max. Earth dist.	3337 Feb 17 21:10	2° <b>∺</b> 58'48	2.37202 AU		3342 Apr 08 21:02	0°₹	
				desc. node	3342 Apr 21 04:08	3° <b>⋜</b> 46'45	

retrograde	3342 May 17 08:11	7° <b>る</b> 29'10		evening set	3347 Sep 20 11:47	13° <b>ჲ</b> 05'29	
opposition	3342 Jun 20 20:40	0° <b>る</b> 32'32	-2°51'03		3347 Oct 16 18:27	0° <b>M</b> ₊	
greatest brilliancy	3342 Jun 21 17:12	0° <b>る</b> 14'47	-2.2m	max. Earth dist.	3347 Oct 17 10:19	0°ML25'47	2.63359 AU
	3342 Jun 22 10:14	30°₹ <b>⋌</b> ¹	0.40164.433		22.45.33	1007 0017	0000100
min. Earth dist. direct	3342 Jun 29 07:02 3342 Jul 28 20:44	27° ₹ 38'08 22° ₹ 00'09	0.49164 AU	conjunction	3347 Nov 05 00:06 3347 Nov 05 00:46	12°M36'17 12°M37'23	0°20'29 0°20'28
direct	3342 Sep 03 03:59	22 <b>x</b> ・00 09		minimum elong	3347 Dec 01 00:38	12 IIL3 / 23 0° 🔏	0 2028
	3342 Oct 27 07:59	0° <b>≈</b>		desc. node	3347 Dec 01 00:58 3347 Dec 12 00:52	7° <b>∡</b> 129'13	
	3342 Dec 08 23:33	0° <b>∀</b>		morning rise	3347 Dec 20 22:46	13° <b>×</b> 36'23	
	3343 Jan 18 04:45	$0^{\circ}$ $\Upsilon$		C	3348 Jan 13 10:55	0°ರ	
asc. node	3343 Feb 23 02:29	26° <b>Ƴ</b> 52'11			3348 Feb 24 04:19	0° <b>≈</b>	
	3343 Feb 27 07:50	$9^{\circ}$ 8			3348 Apr 04 13:24	0° <b>)</b> €	
	3343 Apr 09 13:02	$\Pi$ °0			3348 May 14 03:56	$0^{\circ}$ Y	
	3343 May 22 10:16	0°99			3348 Jun 22 21:52	0° <b>8</b>	
evening set	3343 Jul 06 12:34	0° <b>Ω</b> 16'46			3348 Aug 03 07:54	0°II	
	3343 Jul 06 02:24	0° <b>N</b> 0° <b>N</b>		asc. node	3348 Sep 18 22:24	0°ഇ 13° <b>ഇ</b> 26'10	
	3343 Aug 21 05:44	V III		retrograde	3348 Oct 15 00:55 3348 Nov 27 05:27	24°9517'28	
conjunction	3343 Aug 24 10:34	2°m/03'18	1°08'25	min. Earth dist.	3348 Dec 29 04:33	17°920'26	0.55580 AU
minimum elong	3343 Aug 24 10:35	2° my 03'21	1°08'25	greatest brilliancy	3349 Jan 04 03:04	15°902'42	-1.9m
max. Earth dist.	3343 Sep 01 15:00	7° m 17'53	2.66290 AU	opposition	3349 Jan 05 01:18	14°5541'08	3°34'37
	3343 Oct 07 06:34	0∘ <b>⊽</b>		direct	3349 Feb 10 01:47	6°€34'15	
morning rise	3343 Oct 09 01:29	1° <b>ჲ</b> 08'05			3349 Apr 26 03:38	$0^{\circ}\Omega$	
	3343 Nov 23 15:35	0° <b>M</b> ₊			3349 Jun 20 23:10	0° <b>m</b>	
	3344 Jan 10 03:35	0° <b>∡</b>			3349 Aug 10 14:17	0∘ <b>⊽</b>	
	3344 Feb 27 02:43	0°る			3349 Sep 27 08:21	0°M	
desc. node	3344 Mar 08 03:03	6° <b>る</b> 10'29		evening set	3349 Oct 27 20:33	20°M03'54	
	3344 Apr 16 20:39 3344 Jun 14 01:21	0° <b>≈</b> 0° <b>∀</b>		desc. node	3349 Oct 28 23:19 3349 Nov 11 13:11	20° <b>M</b> .48'47 0° <b>√</b>	
retrograde	3344 Jul	0 X 10° <b>¥</b> 16'57		max. Earth dist.	3349 Nov 13 15:16		2.54091 AU
opposition	3344 Aug 27 01:43	5° <b>¥</b> 18′25	-6°45'08	max. Lartii dist.	3347 NOV 13 13.10	1 × 23 30	2.54071 AO
greatest brilliancy	3344 Aug 27 21:20	5° <b>)</b> €05'11		conjunction	3349 Dec 15 14:48	23° <b>∡</b> ¹44′08	-0°27'05
min. Earth dist.	3344 Aug 30 04:02	4° <b>¥</b> 28'18	0.37832 AU	minimum elong	3349 Dec 15 13:41	23° <b>х</b> 42'10	0°27'04
direct	3344 Sep 26 20:55	0° <b>₩</b> 00'48			3349 Dec 24 09:05	0°ರ	
	3344 Dec 14 04:14	$0^{\circ}$ Y			3350 Feb 03 04:20	0° <b>≈</b>	
asc. node	3345 Jan 10 01:11	16° <b>Y</b> ′52'11		morning rise	3350 Feb 06 13:23	2° <b>≈</b> 32'22	
	3345 Jan 30 01:27	0° <b>8</b>			3350 Mar 14 12:15	0° <b>)</b> €	
	3345 Mar 16 00:17	0° <b>I</b> I			3350 Apr 22 01:47	0° <b>Υ</b>	
	3345 Apr 30 08:30	0.ಲ			3350 May 30 17:10	0°Ⅱ 0°8	
	3345 Jun 15 16:03 3345 Aug 01 18:43	0° <b>N</b> 0° <b>n</b>			3350 Jul 09 10:18 3350 Aug 20 11:07	0°©	
evening set	3345 Aug 14 15:55	8° mp 09'37		asc. node	3350 Sep 01 23:07	8°926'31	
evening sec	3345 Sep 18 02:33	0∘ <b>⊽</b>		use. Houe	3350 Oct 06 02:52	0° <b>Ω</b>	
max. Earth dist.	3345 Sep 23 12:04	3° <b>₽</b> 25'59	2.67546 AU		3350 Dec 09 03:01	0° <b>m</b> )	
				retrograde	3351 Jan 04 00:08	3° <b>m</b> 56'44	
conjunction	3345 Sep 29 08:24	7° <b>ഫ</b> 09'27	0°54'56		3351 Jan 28 01:54	30°R <b>Ω</b>	
minimum elong	3345 Sep 29 09:26	7° <b>≙</b> 11'06	0°54'56	min. Earth dist.	3351 Feb 10 00:21	25° <b>Ω</b> 15′06	0.64904 AU
	3345 Nov 03 23:06	0°M,		opposition	3351 Feb 13 04:03	23° <b>Ω</b> 59'20	4°36'42
morning rise	3345 Nov 12 12:04	5°M31'43		greatest brilliancy	3351 Feb 12 15:17	24° <b>Ω</b> 12'08	-1.4m
daga mada	3345 Dec 19 20:36	0° द्र <sup>त</sup> २२९ • तॅर २२। ५६		direct	3351 Mar 24 08:45	14° <b>Ω</b> 42'47	
desc. node	3346 Jan 24 02:05 3346 Feb 02 14:49	23°ダ32'55 0°る			3351 May 22 01:31 3351 Jul 19 20:13	0 <b>்⊽</b> 0 <b>்ம்</b>	
	3346 Mar 18 06:55	0° <b>≈</b>			3351 Sep 07 20:47	0° <b>™</b>	
	3346 Apr 30 03:49	0° <b>∀</b>		desc. node	3351 Sep	5°ML06'25	
	3346 Jun 12 00:08	0° <b>Υ</b>			3351 Oct 23 16:15	0° <b>∡</b> ¹	
	3346 Jul 27 09:11	$0^{\circ}$ 8			3351 Dec 05 09:30	ರ∘ರ	
retrograde	3346 Oct 10 01:17	28° <b>8</b> 52'15		evening set	3351 Dec 12 19:27	5° <b>る</b> 23'54	
min. Earth dist.	3346 Nov 05 21:46		0.42393 AU	max. Earth dist.	3351 Dec 31 04:07		2.41288 AU
opposition	3346 Nov 13 17:21	21° <b>8</b> 29'25			3352 Jan 14 18:20	0° <b>≈</b>	
greatest brilliancy	3346 Nov 13 11:32	21° <b>8</b> 34'10	-2.7m		2252 E 1 22 11 15	100 000	100400
asc. node	3346 Nov 28 01:38	17° <b>8</b> 23'33		conjunction	3352 Feb 08 14:43	19°≈06'35	
direct	3346 Dec 15 01:31	15° <b>8</b> 26'30 0° <b>Ⅱ</b>		minimum elong	3352 Feb 08 13:53	19° <b>≈</b> 04'58 0° <b>)</b> €	1~04'00
	3347 Feb 06 20:32 3347 Apr 04 13:54	0. 0. П			3352 Feb 22 13:46 3352 Mar 31 16:14	0° <b>Υ</b>	
	3347 May 25 06:37	0° <b>U</b>		morning rise	3352 Apr 16 11:07	12° <b>Y</b> 25'47	
	3347 Jul 13 12:43	0° m)		<i>3</i> - ,	3352 May 08 22:57	0°8	
	3347 Aug 30 19:25	0∘ <u>v</u>			3352 Jun 17 06:58	0°II	

asc. node	3352 Jul 19 22:50	23° <b>Ⅱ</b> 54'33			3357 Sep 24 07:31	0° <b>ප</b>	
	3352 Jul 28 12:21	0ංම			3357 Nov 08 18:17	0° <b>≈</b>	
	3352 Sep 10 12:40	$0^{\circ}\Omega$			3357 Dec 19 08:48	0° <b>∀</b>	
	3352 Oct 28 23:53	0° <b>m</b> ∕			3358 Jan 27 13:23	$0^{\circ}\mathbf{\Upsilon}$	
	3352 Dec 29 10:57	0∘ <b>⊽</b>			3358 Mar 07 22:40	0° <b>8</b>	
retrograde	3353 Feb 06 08:57	7° <b>≏</b> 50'24		asc. node	3358 Mar 11 19:50	2° <b>8</b> 55'04	
	3353 Mar 13 23:25	30°R, Mp			3358 Apr 17 12:48	$\Pi^{\circ}0$	
opposition	3353 Mar 18 11:43	28° <b>m</b> 13'13	3°59'45		3358 May 29 21:24	$0$ $\circ$	
greatest brilliancy	3353 Mar 18 13:55	28° Mp 11'00		evening set	3358 Jun 18 17:31	13° <b>©</b> 35'59	
min. Earth dist.	3353 Mar 19 05:11	27° <b>m</b> 55'50	0.67865 AU		3358 Jul 13 03:46	$0^{\circ}\Omega$	
direct	3353 Apr 28 12:52	18° <b>m</b> 20'06					
	3353 Jun 17 06:19	0∘ <b>ত</b>		conjunction	3358 Aug 08 23:38	17° <b>Ω</b> 38'23	1°06'27
desc. node	3353 Aug 02 21:41	22° <b>♀</b> 50'00		minimum elong	3358 Aug 08 22:59	17° <b>Ω</b> 37′20	1°06'26
	3353 Aug 15 11:42	0° <b>M</b>		max. Earth dist.	3358 Aug 23 05:59		2.64308 AU
	3353 Oct 02 11:31	0° <b>∡</b> ¹			3358 Aug 28 01:44	O° <b>m</b> y	
	3353 Nov 14 18:14	0°₹		morning rise	3358 Sep 25 02:11	17° <b>m</b> 55'32	
	3353 Dec 25 02:50	0° <b>≈</b>			3358 Oct 14 03:26	0∘ <b>ত</b>	
	3354 Feb 01 17:59	0° <b>ℋ</b>			3358 Nov 30 23:00	0°M	
evening set	3354 Feb 12 04:12	8° <b>升</b> 13'14			3359 Jan 18 14:48	0° <b>∡</b> ¹	
	3354 Mar 11 16:53	$0^{\circ}\mathbf{\Upsilon}$			3359 Mar 10 07:34	0°ප	
	3354 Apr 18 22:43	$9^{\circ}$ 8		desc. node	3359 Mar 25 17:54	8° <b>る</b> 37'06	
					3359 May 07 23:02	0° <b>≈</b>	
conjunction	3354 Apr 21 19:49	2° <b>8</b> 13'50	-0°30'06	retrograde	3359 Jun 27 07:33	12° <b>≈</b> 26′13	
minimum elong	3354 Apr 21 22:29	2° <b>8</b> 19'00	0°30'03	opposition	3359 Jul 28 21:44	6° <b>≈</b> 49'49	-5°49'53
	3354 May 28 08:03	$\Pi$ $^{\circ}0$		greatest brilliancy	3359 Jul 30 07:25	6° <b>≈</b> 24'43	-2.6m
asc. node	3354 Jun 06 21:28	7° <b>Ⅱ</b> 05'34		min. Earth dist.	3359 Aug 04 22:55	4° <b>≈</b> 44'31	0.41277 AU
max. Earth dist.	3354 Jun 12 17:19	11° <b>Ⅱ</b> 22'42	2.42429 AU	direct	3359 Aug 31 16:20	0° <b>≈</b> 15'11	
morning rise	3354 Jun 27 21:00	22° <b>Ⅱ</b> 22'45			3359 Nov 16 05:54	0° <b>∀</b>	
	3354 Jul 08 13:06	0ංම			3359 Dec 31 03:56	$0$ ° $\Upsilon$	
	3354 Aug 21 01:14	$0^{\circ}\Omega$		asc. node	3360 Jan 27 18:51	19° <b>Ƴ</b> 26'30	
	3354 Oct 06 06:39	0° <b>m</b> )			3360 Feb 11 17:09	$9^{\circ}$ 8	
	3354 Nov 25 07:37	0∘ <b>ত</b>			3360 Mar 25 13:06	$\Pi$ $^{\circ}0$	
	3355 Jan 24 11:56	$0^{\circ}$ M.			3360 May 08 14:29	0ංම	
retrograde	3355 Mar 14 09:47	11°ML21'06			3360 Jun 23 02:17	$0^{\circ}\Omega$	
opposition	3355 Apr 22 07:12	2°M27'14	2°10'36	evening set	3360 Jul 30 17:13	24° <b>Ω</b> 14'37	
greatest brilliancy	3355 Apr 22 16:17	2°M18'26	-1.4m		3360 Aug 08 17:23	0° <b>m</b>	
min. Earth dist.	3355 Apr 26 20:22	0°M41'25	0.64216 AU				
	3355 Apr 28 15:35	30° <b>₹</b> Ω		conjunction	3360 Sep 15 06:43	23° <b>m</b> 54'16	1°02'59
direct	3355 Jun 02 18:18	22° <b>£</b> 25'42		minimum elong	3360 Sep 15 07:30	23° m 55'32	1°02'59
desc. node	3355 Jun 20 20:31	24° <b>≏</b> 21'17		max. Earth dist.	3360 Sep 14 16:44		2.67696 AU
	3355 Jul 10 13:29	0°M₊			3360 Sep 24 20:47	0∘ <b>ত</b>	
	3355 Sep 08 09:12	0° <b>∡</b> ¹		morning rise	3360 Oct 29 15:35	22° <b>£</b> 10′58	
	3355 Oct 24 03:47	0°ಕ			3360 Nov 10 20:14	0°M₊	
	3355 Dec 04 07:23	0° <b>≈</b>			3360 Dec 27 05:12	0° <b>∡</b> ¹	
	3356 Jan 12 05:49	0° <b>∀</b>		desc. node	3361 Feb 09 17:12	29° <b>∡</b> 14'05	
	3356 Feb 19 09:49	$0^{\circ}$ Y			3361 Feb 10 20:58	0° <b>ප</b>	
	3356 Mar 28 22:10	0°8			3361 Mar 27 23:39	0° <b>≈</b>	
evening set	3356 Apr 23 17:52	19° <b>8</b> 37'37			3361 May 12 02:56	0° <b>∀</b>	
asc. node	3356 Apr 23 20:00	19° <b>8</b> 41'39			3361 Jun 28 07:18	$0^{\circ}$ Y	
	3356 May 07 16:04	$\Pi^{\circ}0$			3361 Sep 11 10:40	0°8	
	3356 Jun 18 05:50	0ංම		retrograde	3361 Sep 14 18:31	0° <b>8</b> 04'43	
					3361 Sep 18 02:04	30° <b>₹</b> Υ	
conjunction	3356 Jun 23 13:48	3° <b>5</b> 44'38		min. Earth dist.	3361 Oct 11 12:53		0.38454 AU
minimum elong	3356 Jun 23 11:56	3°541'21		opposition	3361 Oct 16 15:56	24° <b>Y</b> 09'35	
max. Earth dist.	3356 Jul 26 07:03		2.55539 AU	greatest brilliancy	3361 Oct 16 02:28	24° <b>Ƴ</b> 19'17	-2.9m
	3356 Jul 31 21:48	$0$ $\circ$ $\Omega$		direct	3361 Nov 15 11:41	18° <b>Y</b> 58'57	
morning rise	3356 Aug 16 16:55	10° <b>Ω</b> 30'44		asc. node	3361 Dec 14 17:15	24° <b>Y</b> 06'59	
	3356 Sep 15 15:18	0° <b>m</b> )			3361 Dec 30 05:12	0°8	
	3356 Nov 02 08:34	0° <b>™</b>			3362 Feb 24 23:07	0°II	
	3356 Dec 22 14:45	0° <b>M</b>			3362 Apr 15 08:52	0°©	
	3357 Feb 17 01:02	0° <b>∡</b>			3362 Jun 02 16:59	$0^{\circ}\Omega$	
retrograde	3357 Apr 26 02:23	19° <b>∡</b> ³39'44			3362 Jul 20 21:32	0° <b>™</b>	
desc. node	3357 May 07 18:50	18° <b>∡</b> ⁴48'18		evening set	3362 Sep 06 05:52	29° m/42'33	
opposition	3357 Jun 01 05:54	12° <b>∡</b> ′00′18			3362 Sep 06 16:54	0∘ <b>⊽</b>	
greatest brilliancy	3357 Jun 01 13:17	11° <b>∡</b> 753′36		max. Earth dist.	3362 Oct 07 22:30	19° <b>≙</b> 54'26	2.65631 AU
min. Earth dist.	3357 Jun 09 01:07		0.54339 AU		22.00	000 0 0 0 0 0 0	0005:55
direct	3357 Jul 10 22:46	2° <b>∡</b> 741'49		conjunction	3362 Oct 21 11:45	28° <b>≏</b> 39'21	0~35'53

minimum elong	3362 Oct 21 12:44	28° <b>≙</b> 40'57	0°35'53		3367 Sep 20 00:11	$0^{\circ}\Omega$	
	3362 Oct 23 13:29	0°M			3367 Nov 09 17:18	0° m/	
morning rise	3362 Dec 05 06:59	28°ML10'33		retrograde	3368 Jan 25 02:34	25°M 09'38	
	3362 Dec 08 00:13	0°⊀		opposition	3368 Mar 05 08:51	15° <b>m</b> 21'38	4°22'53
desc. node	3362 Dec 28 15:47	13° <b>∡</b> 59′23		greatest brilliancy	3368 Mar 05 05:33	15°M 24'56	-1.3m
	3363 Jan 20 20:36	0°₹		min. Earth dist.	3368 Mar 04 13:55	15° <b>m</b> 40'33	0.67500 AU
	3363 Mar 04 04:21	0° <b>≈</b>		direct	3368 Apr 14 20:10	5° <b>™</b> 39'48	
	3363 Apr 14 06:09	0° <b>∀</b>			3368 Jul 01 17:40	0。 <b>⊽</b>	
	3363 May 24 15:21	$0^{\circ}\mathbf{\Upsilon}$		desc. node	3368 Aug 19 12:35	27° <b>≏</b> 01'06	
	3363 Jul 04 09:28	0°B			3368 Aug 24 11:20	0°M₊	
	3363 Aug 16 20:48	$\Pi^{\circ}0$			3368 Oct 10 08:06	0° <b>∡</b>	
	3363 Oct 12 17:35	0ංම			3368 Nov 22 07:38	0°る	
asc. node	3363 Nov 01 17:07	4°958'04			3369 Jan 01 15:28	0° <b>≈</b>	
retrograde	3363 Nov 11 02:35	5° <b>©</b> 35'29		evening set	3369 Jan 16 09:32	11°≈20'06	
	3363 Dec 09 09:24	30°RⅡ			3369 Feb 09 07:29	0° <b>)</b> €	
min. Earth dist.	3363 Dec 10 19:33	29° <b>I</b> I29'27	0.50531 AU		3369 Mar 19 06:52	$0^{\circ}\mathbf{\Upsilon}$	
opposition	3363 Dec 18 18:50	26° <b>Ⅲ</b> 32'10	2°24'31		22/03/ 22 0/10	200000124	005400
greatest brilliancy	3363 Dec 18 00:36	26° <b>Ⅱ</b> 49'08	-2.1m	conjunction	3369 Mar 23 06:18	3°Υ08'34	
direct	3364 Jan 22 03:43	19° <b>Ⅱ</b> 06'29		minimum elong	3369 Mar 23 09:24	3° <b>Y</b> 14'42	0°53′58
	3364 Mar 08 13:59	0° <b>©</b>		T at 11 a	3369 Apr 26 11:54	0°8	2.37562 AU
	3364 May 08 08:12	0° <b>Ω</b>		max. Earth dist.	3369 Apr 28 09:25		2.37362 AU
	3364 Jun 29 12:10	0° <b>⊽</b> 0°₥		morning rise	3369 Jun 02 06:48	28° <b>႘</b> 06'53 0°Ⅱ	
	3364 Aug 17 23:06 3364 Oct 04 07:29	0° <b>M</b>		asc. node	3369 Jun 04 19:13 3369 Jun 23 13:45	13° <b>Д</b> 53'03	
evening set	3364 Oct 12 10:00	5°M16'32		asc. Houe	3369 Jul 15 22:25	0°9	
max. Earth dist.	3364 Nov 01 17:31	18°M41'58	2.58268 AU		3369 Aug 28 11:49	0°Ω	
desc. node	3364 Nov 14 14:45	27°M22'09	2.36206 AU		3369 Oct 14 05:15	0° <b>m</b> y	
desc. node	3364 Nov 18 11:41	27 11 <b>6</b> 22 09 0° <b>√</b> 1			3369 Dec 05 07:57	0∘ <b>ʊ</b>	
	3304 NOV 10 11.41	٠ <b>٪</b>		retrograde	3370 Feb 27 22:03	0 <b>—</b> 28° <b>≏</b> 17'33	
conjunction	3364 Nov 28 09:45	6° <b>х</b> 47′23	-0°07'56	opposition	3370 Apr 08 10:16	19° <b>£</b> 03'59	3°01'28
minimum elong	3364 Nov 28 09:26	6°×746'50		greatest brilliancy	3370 Apr 08 18:24	18° <b>⊆</b> 56'00	-1.3m
behind sun begin	3364 Nov 27 15:34	6° <b>х</b> 16′07	0 07 50	min. Earth dist.	3370 Apr 00 10:24 3370 Apr 11 12:01	17° <b>⊆</b> 51'36	0.66425 AU
behind sun end	3364 Nov 29 03:18	7° <b>×</b> 17'34		direct	3370 May 19 21:53	9° <b>Ω</b> 01'48	0.00.20110
	3364 Dec 31 12:04	0°ಕ		desc. node	3370 Jul 07 11:06	20° <b>£</b> 31'18	
morning rise	3365 Jan 16 17:48	11° <b>る</b> 42'07			3370 Jul 28 03:05	0°M	
5 5	3365 Feb 10 14:39	0° <b>≈</b>			3370 Sep 18 07:05	0°×7	
	3365 Mar 22 06:39	0° <b>∀</b>			3370 Nov 01 16:51	8°0	
	3365 Apr 30 03:48	$0^{\circ}\mathbf{\Upsilon}$			3370 Dec 12 10:10	0° <b>≈</b>	
	3365 Jun 08 02:12	$9^{\circ}$ 8			3371 Jan 20 04:16	0° <b>∀</b>	
	3365 Jul 18 04:16	$\Pi^{\circ}0$			3371 Feb 27 05:06	$0^{\circ}$ Y	
	3365 Aug 30 01:25	$0$ $\circ$ $\odot$		evening set	3371 Mar 28 18:40	23° <b>Y</b> 10'59	
asc. node	3365 Sep 18 16:23	12° <b>©</b> 37'14			3371 Apr 06 13:42	$9^{\circ}$ 8	
	3365 Oct 18 21:47	$0^{\circ}\Omega$		asc. node	3371 May 11 13:48	26° <b>8</b> 36'58	
retrograde	3365 Dec 21 01:27	19° <b>Ω</b> 46'30			3371 May 16 02:49	$\Pi$ $^{\circ}0$	
min. Earth dist.	3366 Jan 25 05:44	11° <b>Ω</b> 41′23	0.61965 AU				
opposition	3366 Jan 29 21:34	9° <b>Ω</b> 50'01	4°27'56	conjunction	3371 Jun 02 05:31	12° <b>Ⅱ</b> 35′23	
greatest brilliancy	3366 Jan 29 03:17	10° <b>Ω</b> 08'15	-1.5m	minimum elong	3371 Jun 02 04:28	12° <b>∏</b> 33′29	0°14'07
direct	3366 Mar 09 00:09	0° <b>Ω</b> 55'54		behind sun begin	3371 Jun 01 16:20	12° <b>Ⅱ</b> 11'22	
	3366 Jun 04 09:41	0° <b>m</b>		behind sun end	3371 Jun 02 16:37	12° <b>∏</b> 55'34	
	3366 Jul 28 12:03	0∘ <b>ত</b>			3371 Jun 26 11:35	0°€	
	3366 Sep 15 09:03	0°M		max. Earth dist.	3371 Jul 13 14:06		2.50740 AU
desc. node	3366 Oct 02 13:52	11°M06'30		morning rise	3371 Jul 30 20:52	23° <b>©</b> 49'53	
	3366 Oct 30 20:54	0° <b>∡</b> 7			3371 Aug 08 23:59	$\Omega^{\circ}\Omega$	
evening set	3366 Nov 23 10:53	16° ₹20'30	2.46442.411		3371 Sep 23 18:55	0° <b>т</b>	
max. Earth dist.	3366 Dec 07 15:32		2.46442 AU		3371 Nov 11 01:38	0∘ <b>m</b>	
	3366 Dec 12 14:12	0°₹			3372 Jan 02 08:15	0° <b>™</b> 0° <b>҂</b>	
conjunction	3367 Jan 15 19:54	25° <b>පි</b> 16'10	_0°54'00	retrograde	3372 Mar 11 10:06 3372 Apr 07 16:29	0° <b>×</b> ′ 3° <b>×</b> <sup>7</sup> 57'47	
minimum elong	3367 Jan 15 19:34 3367 Jan 15 18:03	25°る1610 25°る12'41		renograde	3372 Apr 07 16:29 3372 May 02 20:47	30°RM	
minimum ciong	3367 Jan 22 02:15	23 <b>3</b> 1241 0° <b>≈</b>	0 2700	opposition	3372 May 02 20.47 3372 May 15 03:00	25°M44'14	0°23'03
	3367 Mar 02 01:33	0 <b>≈</b> 0° <b>H</b>		greatest brilliancy	3372 May 15 05:39	25°M41'45	-1.7m
morning rise	3367 Mar 18 09:57	12° <b>)</b> 47'42		min. Earth dist.	3372 May 21 19:24	23°M13'20	0.58859 AU
	3367 Apr 09 07:16	0° <b>Υ</b>		desc. node	3372 May 21 19:24 3372 May 24 09:52	22°M16'10	3.23037110
	3367 May 17 16:03	0°8		direct	3372 Jun 24 20:31	15°M59'21	
	3367 Jun 26 01:34	0°II			3372 July 24 20:31 3372 Aug 15 20:24	0° <b>√</b>	
asc. node	3367 Aug 06 13:57	0°905'52			3372 Oct 07 00:57	°5 ਨ	
	3367 Aug 06 10:37	0°9			3372 Nov 18 20:57	0° <b>≈</b>	
		. =					

	3372 Dec 28 12:36	0° <b>∀</b>		desc. node	3378 Jan 14 07:40	20° <b>∡</b> 19'48	
	3373 Feb 05 03:43	$0^{\circ}\mathbf{\Upsilon}$			3378 Jan 28 11:34	o°ප	
	3373 Mar 16 02:05	0°B			3378 Mar 12 14:22	0° <b>≈</b>	
asc. node	3373 Mar 28 11:57	9° <b>8</b> 23'46			3378 Apr 23 16:09	0° <b>)</b> €	
	3373 Apr 25 05:59	0°II			3378 Jun 04 08:00	0°Υ	
evening set	3373 May 29 22:33	24° <b>I</b> I53'46			3378 Jul 17 03:48	0°8	
evening set	•	0°9				0°U	
	3373 Jun 06 05:19				3378 Sep 04 22:37		
	3373 Jul 20 04:16	$0^{\circ}\Omega$		retrograde	3378 Oct 22 14:22	13° <b>Ⅲ</b> 38′24	
				asc. node	3378 Nov 18 08:39	8° <b>Ⅱ</b> 41'30	
conjunction	3373 Jul 23 07:03	2° <b>Ω</b> 04'41	0°59'31	min. Earth dist.	3378 Nov 19 05:33	8° <b>Ⅱ</b> 24'08	0.45218 AU
minimum elong	3373 Jul 23 05:42	2° <b>Ω</b> 02'27	0°59'30	opposition	3378 Nov 27 13:14	5° <b>Ⅲ</b> 32′01	0°32'33
max. Earth dist.	3373 Aug 13 03:01	15° <b>Ω</b> 49'54	2.61491 AU	greatest brilliancy	3378 Nov 27 08:36	5° <b>Ⅱ</b> 36′00	-2.5m
	3373 Sep 03 22:37	0° <b>m</b>			3378 Dec 17 13:49	30°R₩	
morning rise	3373 Sep 10 12:35	4° Mp 14′04		direct	3378 Dec 30 00:21	28° <b>8</b> 57'22	
Ü	3373 Oct 21 03:22	0∘ <u>⊽</u>			3379 Jan 11 22:06	0° <b>I</b> I	
	3373 Dec 08 14:30	0°M			3379 Mar 27 10:42	0°9	
	3374 Jan 28 00:50	0° <b>∡</b> 7			3379 May 19 08:15	$0^{\circ}\Omega$	
		% ਰ°ਰ			3379 Jul 08 10:25		
	3374 Mar 25 06:14					0° m/	
desc. node	3374 Apr 11 08:30	7° <b>る</b> 33'34			3379 Aug 26 01:58	0∘ <b>⊽</b>	
retrograde	3374 May 30 19:31	19° <b>る</b> 18'57		evening set	3379 Sep 28 16:46	21° <b>≏</b> 17'59	
opposition	3374 Jul 03 09:17	12° <b>る</b> 49'16			3379 Oct 12 04:11	0° <b>M</b>	
greatest brilliancy	3374 Jul 04 13:05	12° <b>る</b> 26'12	-2.3m	max. Earth dist.	3379 Oct 23 05:22	7° <b>M</b> 12′28	2.61779 AU
min. Earth dist.	3374 Jul 11 18:49	10°る03'05	0.46250 AU				
direct	3374 Aug 09 02:00	4° <b>る</b> 52'37		conjunction	3379 Nov 13 13:37	21°M20'45	0°10'33
	3374 Oct 17 10:59	0° <b>≈</b>		minimum elong	3379 Nov 13 13:59	21°M21'22	0°10'33
	3374 Dec 01 16:00	0° <b>∀</b>		behind sun begin	3379 Nov 12 23:03	20°M56'25	
	3375 Jan 11 20:53	$_{0}$ $^{\circ}$ $\gamma$		behind sun end	3379 Nov 14 04:55	21°M46'20	
asc. node	3375 Feb 13 10:35	24° <b>Υ</b> 01'42		oviiiiu buii viiu	3379 Nov 26 10:03	0°×7	
use. Houe	3375 Feb 21 14:07	0°8		desc. node	3379 Dec 02 06:05	3° <b>×</b> <sup>7</sup> 58'03	
		0°II			3379 Dec 02 00:03 3379 Dec 30 10:49	23° <b>×</b> <sup>7</sup> 28'20	
	3375 Apr 04 05:14			morning rise			
	3375 May 17 10:06	0° <b>©</b>			3380 Jan 08 17:01	0° <b>ප</b>	
_	3375 Jul 01 07:34	$0^{\circ}\Omega$			3380 Feb 19 05:13	0° <b>≈</b>	
evening set	3375 Jul 15 23:55	9° <b>Ω</b> 35'51			3380 Mar 30 07:42	0° <b>∀</b>	
	3375 Aug 16 14:09	O° My			3380 May 08 14:57	$0^{\circ}\Upsilon$	
					3380 Jun 16 23:45	$9^{\circ}$ 8	
conjunction	3375 Sep 01 22:02	10° <b>№</b> 26'50	1°07'33		3380 Jul 27 17:18	$\Pi$ $^{\circ}0$	
minimum elong	3375 Sep 01 22:23	10° Mp 27′24	1°07'33		3380 Sep 10 07:01	$0$ $\circ$ $60$	
max. Earth dist.	3375 Sep 06 21:37	13° m 37'31	2.67023 AU	asc. node	3380 Oct 05 07:55	14° <b>©</b> 33'45	
	3375 Oct 02 15:09	0∘ <del>⊽</del>			3380 Nov 09 20:17	$0^{\circ}\Omega$	
morning rise	3375 Oct 16 22:56	9° <b>ഫ</b> 06'06		retrograde	3380 Dec 06 06:54	4° <b>Ω</b> 21'53	
morning rise	3375 Nov 18 19:50	0°M		retrograde	3380 Dec 31 03:05	30°Rூ	
	3376 Jan 04 20:23	0° <b>⊼</b> ¹		min. Earth dist.	3381 Jan 08 10:35	26° <b>©</b> 58'38	0.58092 AU
	3376 Feb 20 19:00	0°ろ					4°01'18
				opposition	3381 Jan 14 13:11	24°534'40	
desc. node	3376 Feb 27 07:57	4° <b>る</b> 09'55		greatest brilliancy	3381 Jan 13 15:15		-1.7m
	3376 Apr 08 06:53	0° <b>≈</b>		direct	3381 Feb 20 08:47	16° <b>©</b> 08'49	
	3376 May 28 12:10	0° <b>∀</b>			3381 Apr 16 00:15	$0^{\circ}\Omega$	
retrograde	3376 Aug 15 08:27	28° <b>∺</b> 16'32			3381 Jun 14 20:05	O° My	
opposition	3376 Sep 14 11:50	23° <b>) (</b> 16′46			3381 Aug 05 11:21	0∘ <b>⊽</b>	
min. Earth dist.	3376 Sep 14 11:01	23° <b>) 17</b> ′18	0.37155 AU		3381 Sep 22 14:14	$0^{\circ}$ M	
greatest brilliancy	3376 Sep 14 15:54	23° <b>) (</b> 14′05	-2.9m	desc. node	3381 Oct 19 04:26	17° <b>M</b> 23'24	
direct	3376 Oct 14 03:09	18° <b>)</b> € 20'32		evening set	3381 Nov 06 02:45	29°M27'26	
	3376 Nov 28 09:18	$0^{\circ}\mathbf{\Upsilon}$		•	3381 Nov 06 21:52	0° <b>⊼</b> ¹	
asc. node	3376 Dec 31 10:10	17° <b>Ƴ</b> 24'21		max. Earth dist.	3381 Nov 21 11:26		2.51507 AU
	3377 Jan 21 07:46	0°8			3381 Dec 19 17:11	0°ರ	
	3377 Mar 09 08:58	0°II			3301 Dec 17 17.11	٥ ٠	
					2201 D 26 05:06	40 <b>3</b> 41120	0927140
	3377 Apr 24 17:34	0° <b>©</b>		conjunction	3381 Dec 26 05:06	4°₹41'39	
	3377 Jun 10 14:32	$\Omega^{\circ}\Omega$		minimum elong	3381 Dec 26 03:34	4°₹38'52	0-3/48
	3377 Jul 28 00:52	0° <b>m</b>			3382 Jan 29 10:18	0° <b>≈</b>	
evening set	3377 Aug 22 22:42	16° <b>™</b> 20'59		morning rise	3382 Feb 19 18:58	16° <b>≈</b> 14'07	
	3377 Sep 13 12:11	0∘ <b>ত</b>			3382 Mar 09 15:18	0° <b>∀</b>	
max. Earth dist.	3377 Sep 28 17:11	9° <b>≏</b> 40'37	2.67100 AU		3382 Apr 17 01:55	$0^{\circ}\Upsilon$	
					3382 May 25 14:25	$8^{\circ 0}$	
conjunction	3377 Oct 07 08:27	15° <b>≏</b> 11'43	0°48'45		3382 Jul 04 03:25	$\Pi^{\circ}0$	
minimum elong	3377 Oct 07 09:32	15° <b>≙</b> 13′26	0°48'45		3382 Aug 14 19:43	0°99	
<b>U</b>	3377 Oct 30 08:33	0°M		asc. node	3382 Aug 23 07:50	5° <b>©</b> 51'11	
morning rise	3377 Nov 20 14:15	13° <b>M</b> .49'41			3382 Sep 29 09:17	0° <b>Ω</b>	
	3377 Dec 15 02:02	الجرجي الا 13 ا <b>لا</b> °0			3382 Sep 27 07:17 3382 Nov 24 02:22	0° <b>m</b> )	
	5577 1500 15 02.02	~ ~			3302 110V 27 02.22	עויי	

retrograde	3383 Jan 11 19:08	12° Mp 08'30			3388 Jan 07 01:23	0° <b>∀</b>	
min. Earth dist.	3383 Feb 18 17:11	3° <b>m</b> 08'50	0.66097 AU		3388 Feb 14 08:35	$0^{\circ}\Upsilon$	
opposition	3383 Feb 21 00:46	2°M/13'08	4°35'17		3388 Mar 23 23:37	$9^{\circ}$ 8	
greatest brilliancy	3383 Feb 20 15:20	2° Mp 22'35	-1.4m	asc. node	3388 Apr 14 05:02	16° <b>8</b> 07'50	
	3383 Feb 26 15:31	30°R $Ω$			3388 May 02 19:51	$\Pi$ $\circ 0$	
direct	3383 Apr 01 17:31	22° <b>Ω</b> 46′25		evening set	3388 May 07 14:57	3° <b>Ⅱ</b> 31'39	
	3383 May 09 18:26	0° <b>m</b>			3388 Jun 13 11:39	0° <b>©</b>	
	3383 Jul 13 14:02	0∘ <b>ত</b>					
	3383 Sep 02 16:19	0° <b>M</b>		conjunction	3388 Jul 04 22:34	14° <b>©</b> 54'06	0°46'53
desc. node	3383 Sep 06 03:30	2°M09'47		minimum elong	3388 Jul 04 20:43	14° <b>©</b> 50'55	0°46'53
	3383 Oct 18 20:20	0° <b>∡</b> ¹			3388 Jul 27 04:47	$0^{\circ}\Omega$	
	3383 Nov 30 15:56	ರ°0		max. Earth dist.	3388 Aug 02 05:25	4° <b>Ω</b> 01'48	2.57861 AU
evening set	3383 Dec 24 20:16	17° <b>る</b> 47'34		morning rise	3388 Aug 26 01:28	19° <b>Ω</b> 44'44	
	3384 Jan 10 00:39	0° <b>≈</b>			3388 Sep 10 21:16	O° Mp	
max. Earth dist.	3384 Jan 20 04:08	7° <b>≈</b> 45'44	2.38709 AU		3388 Oct 28 08:11	0∘ <b>ত</b>	
	3384 Feb 17 18:49	0° <b>)</b> €			3388 Dec 16 18:43	$0^{\circ}$ M.	
					3389 Feb 08 04:43	0° <b>∡</b> ¹	
conjunction	3384 Feb 23 13:03	4° <b>)</b> 31′22	-1°04'36	desc. node	3389 Apr 28 00:12	29° <b>∡</b> ¹23'44	
minimum elong	3384 Feb 23 13:37	4° <b>)</b> 32′29	1°04'36	retrograde	3389 May 07 17:39	29° <b>₹</b> 57'00	
_	3384 Mar 26 19:58	$0^{\circ}\mathbf{\Upsilon}$		opposition	3389 Jun 12 00:26	22° <b>∡</b> ¹40′05	-2°03'48
morning rise	3384 May 03 22:00	29° <b>Ƴ</b> 52'49		greatest brilliancy	3389 Jun 12 15:03	22° <b>∡</b> ¹27'05	-2.1m
-	3384 May 04 01:42	0° <b>႘</b>		min. Earth dist.	3389 Jun 20 05:41	19° <b>∡</b> ¹45'17	0.51521 AU
	3384 Jun 12 08:41	$\Pi^{\circ}0$		direct	3389 Jul 20 20:07	13° <b>∡</b> ⁴44'21	
asc. node	3384 Jul 10 06:29	20° <b>Ⅲ</b> 31'52			3389 Sep 13 12:41	0°రె	
	3384 Jul 23 11:59	0ංම			3389 Nov 01 11:42	0° <b>≈</b>	
	3384 Sep 05 06:04	$0^{\circ}\Omega$			3389 Dec 13 02:16	0° <b>)</b> €	
	3384 Oct 22 20:14	0° <b>m</b> )			3390 Jan 21 18:53	$_0$ $^{\circ}$ $^{\circ}$	
	3384 Dec 18 00:31	0∘ <u>⊽</u>		asc. node	3390 Mar 02 02:57	29° <b>Ƴ</b> 41'44	
retrograde	3385 Feb 14 03:00	15° <b>≙</b> 33'50			3390 Mar 02 12:44	0°8	
opposition	3385 Mar 26 01:24	6° <b>₽</b> 04'12	3°41'13		3390 Apr 12 09:40	0°II	
greatest brilliancy	3385 Mar 26 06:11	5° <b>£</b> 59'28	-1.3m		3390 May 24 23:49	0 ಲ	
min. Earth dist.	3385 Mar 27 14:54		0.67630 AU	evening set	3390 Jun 29 01:36	23°5946'34	
	3385 Apr 11 14:32	30°R ₩		8	3390 Jul 08 10:15	$0^{\circ}\Omega$	
direct	3385 May 06 07:27	26° m 06'42					
	3385 Jun 02 04:10	0ಂ <del>ಹ</del>		conjunction	3390 Aug 17 22:22	26° <b>Ω</b> 27'32	1°08'08
desc. node	3385 Jul 24 02:28	21° <b>≏</b> 26'46		minimum elong	3390 Aug 17 22:07	26° <b>Ω</b> 27'08	1°08'07
	3385 Aug 08 22:55	0° <b>M</b>		Č	3390 Aug 23 10:15	0° m	
	3385 Sep 27 02:30	0° <b>∡</b> ¹		max. Earth dist.	3390 Aug 28 18:23	3° m 25'57	2.65512 AU
	3385 Nov 09 17:55	0°ප		morning rise	3390 Oct 03 03:13	25° <b>m</b> 59'51	
	3385 Dec 20 05:41	0° <b>≈</b>		-	3390 Oct 09 10:43	0∘ <b>ত</b>	
	3386 Jan 27 21:41	0° <b>ℋ</b>			3390 Nov 25 23:50	0°M	
evening set	3386 Feb 28 03:34	24° <b>)</b> 41′15			3391 Jan 12 22:47	0° <b>∡</b> ¹	
-	3386 Mar 06 20:46	$0^{\circ}\mathbf{\Upsilon}$			3391 Mar 02 21:47	0°ප	
	3386 Apr 14 02:52	$B_{\circ 0}$		desc. node	3391 Mar 15 23:33	7°る47'02	
					3391 Apr 24 05:33	0° <b>≈</b>	
conjunction	3386 May 07 15:35	18° <b>8</b> 03'22	-0°13'44	retrograde	3391 Jul 14 18:33	27° <b>≈</b> 57'33	
minimum elong	3386 May 07 16:50	18° <b>8</b> 05'42	0°13'42	opposition	3391 Aug 14 07:51	22° <b>≈</b> 46'34	-6°33'33
behind sun begin	3386 May 07 01:58	17° <b>8</b> 37'32		greatest brilliancy	3391 Aug 15 12:56	22° <b>≈</b> 26′10	-2.8m
behind sun end	3386 May 08 07:41	18° <b>8</b> 33'52		min. Earth dist.	3391 Aug 19 12:44	21° <b>≈</b> 19'12	0.39071 AU
	3386 May 23 12:31	$\Pi$ $^{\circ}0$		direct	3391 Sep 15 09:29	16° <b>≈</b> 58'17	
asc. node	3386 May 28 05:18	3° <b>Ⅱ</b> 29'45			3391 Nov 01 09:43	0° <b>∀</b>	
max. Earth dist.	3386 Jun 26 00:16	24° <b>Ⅱ</b> 29'30	2.45448 AU		3391 Dec 22 07:51	$0$ ° $\Upsilon$	
	3386 Jul 03 17:43	$0$ $\circ$ $\odot$		asc. node	3392 Jan 18 01:24	17° <b>Ƴ</b> 53'57	
morning rise	3386 Jul 10 16:22	4° <b>©</b> 54'16			3392 Feb 04 18:12	$9^{\circ}$ 8	
	3386 Aug 16 04:35	$0^{\circ}\Omega$			3392 Mar 19 14:04	$\Pi$ $^{\circ}0$	
	3386 Oct 01 04:07	O° Mp			3392 May 03 06:13	$0$ $\circ$ $\odot$	
	3386 Nov 19 08:37	0∘ <b>ত</b>			3392 Jun 18 03:32	$0 ^{\circ} \Omega$	
	3387 Jan 14 07:17	0° <b>M</b> ₊			3392 Aug 04 00:24	0° <b>m</b>	
retrograde	3387 Mar 23 05:34	19°M37'38		evening set	3392 Aug 08 08:35	2° Mp 45'36	
opposition	3387 Apr 30 15:45	10°M56'48	1°34'58	max. Earth dist.	3392 Sep 19 20:26	29° <b>m</b> 44'50	2.67723 AU
greatest brilliancy	3387 Apr 30 23:46	10°ML49'07	-1.5m		3392 Sep 20 05:59	0∘ <b>ত</b>	
min. Earth dist.	2207.14 05 22 44	8°M53'45	0.62555 AU				
	3387 May 05 23:44						
direct	3387 Jun 10 22:26	0°M58'45		conjunction	3392 Sep 23 08:49	1° <b>≏</b> 58'57	0°58'41
direct desc. node	-	0°M58'45 0°M58'45		conjunction minimum elong	3392 Sep 23 08:49 3392 Sep 23 09:46	1° <b>≙</b> 58'57 2° <b>≏</b> 00'28	0°58'41 0°58'40
	3387 Jun 10 22:26	0° <b>M</b> 58'45 0° <b>⊀</b>		v	•	2° <b>₽</b> 00′28 0° <b>™</b> 14′39	
	3387 Jun 10 22:26 3387 Jun 11 00:37	0°M58'45		minimum elong	3392 Sep 23 09:46	2° <b>2</b> 00′28 0°M14′39 0°M	
	3387 Jun 10 22:26 3387 Jun 11 00:37 3387 Sep 01 00:01	0° <b>M</b> 58'45 0° <b>⊀</b>		minimum elong	3392 Sep 23 09:46 3392 Nov 06 13:06	2° <b>₽</b> 00′28 0° <b>™</b> 14′39	

desc. node	3393 Jan 30 22:21	26° <b>∡</b> 18'32			3398 May 27 07:15	0° <b>m</b>	
	3393 Feb 05 10:25	0°ರ			3398 Jul 22 19:57	0∘ <b>ত</b>	
	3393 Mar 21 16:53	0° <b>≈</b>			3398 Sep 10 09:22	0°M	
	3393 May 04 10:02	0° <b>∀</b>		desc. node	3398 Sep 22 18:15	7° <b>ጤ</b> 54'01	
	3393 Jun 17 15:33	$_0$ ° $\boldsymbol{\gamma}$			3398 Oct 26 02:59	0°⊀	
	3393 Aug 05 17:05	0°8		evening set	3398 Dec 04 03:52	27° <b>х</b> 18'23	
retrograde	3393 Sep 29 13:37	17° <b>8</b> 15'18		evening set	3398 Dec 07 03:32	0°පි	
•	3393 Oct 26 02:20		0.40378 AU	mov. Earth dist			2.43576 AU
min. Earth dist.				max. Earth dist.	3398 Dec 19 17:20		2.43370 AU
opposition	3393 Nov 02 01:05	10° <b>8</b> 31'58			3399 Jan 17 08:55	0° <b>≈</b>	
greatest brilliancy	3393 Nov 01 13:31	10° <b>8</b> 40'55	-2.8m				
direct	3393 Dec 02 13:53	4° <b>8</b> 54'25		conjunction	3399 Jan 28 19:55	8° <b>≈</b> 44'18	
asc. node	3393 Dec 05 01:50	4° <b>8</b> 56'56		minimum elong	3399 Jan 28 18:27	8° <b>≈</b> 41′28	1°00'54
	3394 Feb 15 01:56	$\Pi$ $^{\circ}0$			3399 Feb 25 06:41	0° <b>ℋ</b>	
	3394 Apr 08 16:20	0°€		morning rise	3399 Apr 03 23:57	29° <b>)</b> 38′59	
	3394 May 28 04:47	$0^{\circ}\Omega$			3399 Apr 04 10:37	$0$ ° $\mathbf{\Upsilon}$	
	3394 Jul 15 22:49	0° <b>m</b> p			3399 May 12 17:50	$_{0\circ}$ 8	
	3394 Sep 02 00:33	0∘ <b>ত</b>			3399 Jun 21 01:26	$\Pi^{\circ}0$	
evening set	3394 Sep 14 09:44	7° <b>£</b> 49'48		asc. node	3399 Jul 27 22:56	26° <b>Ⅱ</b> 56'25	
max. Earth dist.	3394 Oct 13 09:33		2.64484 AU		3399 Aug 01 06:34	0ಂತಾ	
man. Darut dige.	3394 Oct 18 23:08	0°M	2.01.01110		3399 Sep 14 09:45	$0^{\circ}\Omega$	
	3374 Oct 10 23.00	0 110			3399 Nov 02 12:23	0° m)	
:	2204 0-4 20 17-40	70 <b>m</b> 01110	0027111			0∘ <b>ত</b> س	
conjunction	3394 Oct 29 17:40	7°M01'19			3400 Jan 10 01:32		
minimum elong	3394 Oct 29 18:30	7° <b>M</b> ₊02'40	0°2/11	retrograde	3400 Feb 01 17:51	2° <b>£</b> 55'45	
	3394 Dec 03 08:11	0° <b>∡</b>			3400 Feb 22 20:00	30°R, Mp	
morning rise	3394 Dec 14 01:49	7° <b>∡</b> 16'11		opposition	3400 Mar 13 22:09	23° Mp 13'16	4°10'36
desc. node	3394 Dec 18 21:00	10° <b>∡</b> ³32'36		greatest brilliancy	3400 Mar 13 22:01	23° Mp 13'24	-1.3m
	3395 Jan 15 23:36	0°ප		min. Earth dist.	3400 Mar 13 23:12	23° Mp 12'13	0.67822 AU
	3395 Feb 26 23:53	0° <b>≈</b>		direct	3400 Apr 23 17:18	13° <b>m</b> 24'44	
	3395 Apr 08 16:22	0° <b>∀</b>			3400 Jun 24 03:03	0∘ <b>⊽</b>	
	3395 May 18 14:27	$0$ ° $\mathbf{\Upsilon}$		desc. node	3400 Aug 10 17:37	24° <b>≏</b> 46'12	
	3395 Jun 27 17:01	$8^{\circ}$			3400 Aug 19 16:18	0°M	
	3395 Aug 08 17:53	$\Pi^{\circ}0$			3400 Oct 06 05:31	0° <b>∡</b> ¹	
	3395 Sep 26 15:44	0ංම			3400 Nov 18 10:19	0°ठ	
asc. node	3395 Oct 23 01:27	11° <b>©</b> 37'06			3400 Dec 28 19:40	0° <b>≈</b>	
retrograde	3395 Nov 21 03:04	16°959'56		evening set	3401 Feb 01 04:25	26° <b>≈</b> 37'04	
min. Earth dist.	3395 Dec 22 02:07	10°524'37	0.53387 AU	evening sec	3401 Feb 05 11:45	0° <b>)</b> €	
opposition	3395 Dec 22 02:07 3395 Dec 29 11:18	7°935'46	3°09'30		3401 Mar 15 10:51	0° <b>Υ</b>	
greatest brilliancy	3395 Dec 28 13:45	7° <b>9</b> 56'23			3401 Wai 13 10.31	0 1	
greatest brilliancy		7 <b>3</b> 30 23	-2.0111	agniumation	2401 Apr. 10 01:06	20° <b>Y</b> 09'32	0941125
11	3396 Jan 27 20:48			conjunction	3401 Apr 10 01:06		
direct	3396 Feb 02 18:25	29° <b>Ⅱ</b> 46'06		minimum elong	3401 Apr 10 04:25	20° <b>Y</b> 16′02	0°41′34
	3396 Feb 08 19:02	0°9			3401 Apr 22 15:55	0° <b>8</b>	
	3396 Apr 30 20:54	$0^{\circ}\Omega$		max. Earth dist.	3401 May 30 20:11	29° <b>8</b> 09'02	2.40054 AU
	3396 Jun 23 21:44	0° <b>m</b> ∕			3401 May 31 23:25	$\Pi^{\circ}0$	
	3396 Aug 13 00:26	0∘ <b>⊽</b>		asc. node	3401 Jun 14 22:01	10° <b>Ⅱ</b> 20'36	
	3396 Sep 29 15:09	0°M₊		morning rise	3401 Jun 18 05:35	12° <b>Ⅱ</b> 46'37	
evening set	3396 Oct 21 02:57	14°ML03'19			3401 Jul 12 02:12	$0_{\circ}$ වෙ	
desc. node	3396 Nov 04 19:34	23°M52'02			3401 Aug 24 13:08	$0 {\circ} \Omega$	
max. Earth dist.	3396 Nov 08 10:59	26°M19'31	2.56052 AU		3401 Oct 09 21:05	0° <b>m</b>	
	3396 Nov 13 20:59	0° <b>∡</b> ¹			3401 Nov 29 13:09	0∘ <b>⊽</b>	
					3402 Feb 02 12:19	0°M₊	
conjunction	3396 Dec 07 23:46	16° <b>∡</b> ³39'17	-0°18'59	retrograde	3402 Mar 09 02:50	6°ML10'29	
minimum elong	3396 Dec 07 23:00	16° <b>∡</b> ³37'57	0°18'58	•	3402 Apr 09 16:49	30° <b>₽</b> Ω	
Č	3396 Dec 26 19:56	0°ರ		opposition	3402 Apr 17 07:03	27° <b>£</b> 07'19	2°33'04
morning rise	3397 Jan 28 03:18	23° <b>る</b> 32'54		greatest brilliancy	3402 Apr 17 15:59	26° <b>£</b> 58'36	
morning rise	3397 Feb 05 19:20	0°≈		min. Earth dist.	3402 Apr 21 04:13	25° <b>≏</b> 36'20	0.65328 AU
	3397 Mar 17 07:17	0° <b>∺</b>		direct	3402 May 28 18:43	17° <b>≏</b> 04'38	0.03328 AC
		0° <b>Υ</b>			•		
	3397 Apr 25 00:04			desc. node	3402 Jun 28 16:38	22° <b>£</b> 15'38	
	3397 Jun 02 17:57	0° <b>X</b>			3402 Jul 19 08:17	0°M₊	
	3397 Jul 12 13:23	0°Ⅱ			3402 Sep 13 02:50	0° <b>∡</b>	
	3397 Aug 23 19:38	0ංම			3402 Oct 28 07:21	0° <b>ට</b>	
asc. node	3397 Sep 08 23:32	10°5544'49			3402 Dec 08 07:12	0° <b>≈</b>	
	3397 Oct 10 08:39	$0^{\circ}\Omega$			3403 Jan 16 03:59	0° <b>∀</b>	
retrograde	3397 Dec 29 03:56	28° <b>Ω</b> 28'44			3403 Feb 23 06:13	$0$ ° $\mathbf{\gamma}$	
min. Earth dist.	3398 Feb 03 08:42	20° <b>Ω</b> 02'43	0.63710 AU		3403 Apr 02 16:11	$9^{\circ}$ 8	
opposition	3398 Feb 07 04:40	18° <b>Ω</b> 30'43	4°35'09	evening set	3403 Apr 14 08:39	8° <b>8</b> 58'15	
greatest brilliancy	3398 Feb 06 13:15	18° <b>Ω</b> 46′08	-1.5m	asc. node	3403 May 02 20:14	22° <b>8</b> 57'29	
direct	3398 Mar 17 21:49	9° <b>£</b> 23′36			3403 May 12 06:52	$\Pi^{\circ}0$	

conjunction minimum elong	3403 Jun 16 07:10 3403 Jun 16 05:28	25° <b>Ⅲ</b> 27'12 25° <b>Ⅲ</b> 24'10			3408 May 18 16:32 3408 Jul 09 08:39	0° <b>ℋ</b> 0° <b>Ƴ</b>	
may Earth dist	3403 Jun 22 17:01	0°೯ 20°೯	2.52490 ATT	retrograde	3408 Sep 03 02:23	16° <b>Ƴ</b> 44'47 12° <b>Ƴ</b> 12'01	0.27467 ATT
max. Earth dist.	3403 Jul 22 20:12 3403 Aug 05 06:03	20° <b>©</b> 55'09 0° <b>Ω</b>	2.53489 AU	min. Earth dist.	3408 Sep 30 20:33 3408 Oct 03 21:49	$12^{\circ}$ <b>1</b> 1201 $11^{\circ}$ <b>Y</b> 22'11	0.37467 AU -5°07'57
morning rise	3403 Aug 11 06:49	4° <b>Ω</b> 02'35		greatest brilliancy	3408 Oct 03 21:49	11°Y28'00	
5 5	3403 Sep 19 22:37	0° m/		direct	3408 Nov 02 08:44	6° <b>Y</b> 25'39	
	3403 Nov 06 19:45	0∘ <b>⊽</b>		asc. node	3408 Dec 22 17:47	20° <b>Y</b> 10′02	
	3403 Dec 27 18:09	0°M			3409 Jan 11 02:43	$9^{\circ}$ 8	
	3404 Feb 25 07:58	0° <b>∡</b> ¹			3409 Mar 02 23:24	$\Pi$ °0	
retrograde	3404 Apr 18 21:08	13° <b>∡</b> 10'07			3409 Apr 19 18:46	0°©	
desc. node	3404 May 15 14:51	8° 🖈 43'32	0025140		3409 Jun 06 09:19	0° <b>N</b>	
opposition greatest brilliancy	3404 May 25 15:07 3404 May 25 17:55	5° ₹ 14'23 5° ₹ 11'47	-0°25'48 -1.8m	evening set	3409 Jul 24 04:55 3409 Sep 01 04:04	0° Mp 24° Mp 30'17	
min. Earth dist.	3404 Jun 01 22:35	2° 🗷 31'53	0.56464 AU	evening set	3409 Sep 01 04:04 3409 Sep 09 20:33	0° <b>ت</b> 1105ر¶ا 42	
mm. Earth dist.	3404 Jun 09 07:28	30°RM	0.50101710	max. Earth dist.	3409 Oct 05 00:24	ა <b>—</b> 16° <b>ჲ</b> 01'01	2.66391 AU
direct	3404 Jul 04 20:02	25°M42'03					
	3404 Jul 31 14:18	0°⊀		conjunction	3409 Oct 16 10:26	23° <b>≏</b> 20'55	0°41'34
	3404 Sep 30 14:22	0°ರ		minimum elong	3409 Oct 16 11:29	23° <b>ჲ</b> 22'37	0°41'33
	3404 Nov 13 17:48	0° <b>≈</b>			3409 Oct 26 17:32	0°M₊	
	3404 Dec 23 21:31	0° <b>)</b> €		morning rise	3409 Nov 29 21:55	22°M24'00	
	3405 Jan 31 19:09	$^{\circ \gamma}$		1 1	3409 Dec 11 07:51	0° ⊀ <b>7</b>	
asc. node	3405 Mar 11 22:24 3405 Mar 19 19:42	0° <b>呂</b> 5° <b>呂</b> 57'17		desc. node	3410 Jan 05 11:52 3410 Jan 24 10:40	16°♂59'23 0°る	
asc. node	3405 Apr 21 06:31	0° <b>Ⅱ</b>			3410 Mar 08 03:04	0°≈	
	3405 Jun 02 09:20	0 . ಅ			3410 Apr 18 15:08	0° <b>∀</b>	
evening set	3405 Jun 11 11:42	6°518'05			3410 May 29 11:57	$0^{\circ}\mathbf{\Upsilon}$	
	3405 Jul 16 11:03	$0^{\circ}\Omega$			3410 Jul 09 22:35	$9^{\circ}$ 8	
					3410 Aug 24 00:50	$\Pi$ °0	
conjunction	3405 Aug 03 00:26		1°04'10	retrograde	3410 Nov 04 01:35	26° <b>∏</b> 59'42	
minimum elong	3405 Aug 02 23:29	11° <b>Ω</b> 35'41	1°04'10	asc. node	3410 Nov 09 17:09	26° <b>∏</b> 45'30	0.40150.411
max. Earth dist.	3405 Aug 20 01:56 3405 Aug 31 06:16	22° <b>Ω</b> 45'57 0° <b>m</b>	2.63158 AU	min. Earth dist. greatest brilliancy	3410 Dec 02 18:33 3410 Dec 10 10:40	21° <b>Ⅲ</b> 16'57 18° <b>Ⅲ</b> 31'02	0.48150 AU
morning rise	3405 Sep 19 23:20	12° Mp 38'29		opposition	3410 Dec 10 10:40	18° <b>Д</b> 18'30	
morning rise	3405 Oct 17 08:24	0ಂ <del>ರ</del>		direct	3411 Jan 13 13:58	11° <b>Ⅱ</b> 14'23	1 12 13
	3405 Dec 04 09:47	0° <b>M</b> ₊			3411 Mar 18 12:29	0ಂತಾ	
	3406 Jan 22 17:11	0° <b>∡</b> ¹			3411 May 13 23:34	$0^{\circ}\Omega$	
	3406 Mar 16 04:39	0°ರ			3411 Jul 04 03:50	0° m/	
desc. node	3406 Apr 02 13:57	9° <b>る</b> 02'03			3411 Aug 22 06:17	0∘ <b>⊽</b>	
. 1	3406 May 26 17:07	0°≈ 2°17127		evening set	3411 Oct 08 01:24	29° <b>£</b> 41'35	
retrograde	3406 Jun 15 16:48 3406 Jul 05 00:50	2°≈17'37 30°Rる		max. Earth dist.	3411 Oct 08 12:46 3411 Oct 30 05:53	0°M	2.59924 AU
opposition	3406 Jul 18 04:52	30 KO 26°る17'30	-5°03'39	max. Earth dist.	3411 Nov 22 18:38	0° <b>√</b>	2.39924 AU
greatest brilliancy	3406 Jul 19 13:53	25° <b>る</b> 51'36			31111107 22 10.30	· /·	
min. Earth dist.	3406 Jul 26 03:26	23° <b>⋜</b> 49'04	0.43399 AU	conjunction	3411 Nov 23 11:30	0° <b>≯</b> 28'36	-0°00'01
direct	3406 Aug 22 09:05	19° <b>る</b> 04'23		minimum elong	3411 Nov 23 11:29	0° <b>≯</b> 28'35	0°00'01
	3406 Oct 03 21:36	0° <b>≈</b>		behind sun begin	3411 Nov 22 21:05	0° <b>≯</b> 04'10	
	3406 Nov 24 02:50	0° <b>∀</b>		behind sun end	3411 Nov 24 01:53	0° <b>₹</b> 53'01	
asc. node	3407 Jan 05 23:11 3407 Feb 04 19:04	0° <b>Υ</b> 21° <b>Υ</b> 32'03		desc. node	3411 Nov 23 10:45 3412 Jan 04 22:54	0°⊀27'21 0°る	
asc. node	3407 Feb 16 12:48	0° <b>8</b>		morning rise	3412 Jan 10 14:13	00 4° <b>ろ</b> 01'18	
	3407 Mar 30 17:27	0°II		morning rise	3412 Feb 15 06:29	0°≈	
	3407 May 13 07:38	0°9			3412 Mar 26 03:40	0° <b>)</b> €	
	3407 Jun 27 11:39	$0^{\circ}\Omega$			3412 May 04 05:11	$0^{\circ}\Upsilon$	
evening set	3407 Jul 26 02:57	18° <b>Ω</b> 34'35			3412 Jun 12 07:28	$9^{\circ}$ 8	
	3407 Aug 12 22:00	0°Щ			3412 Jul 22 14:18	$\Pi$ °0	
	2407.0 11.07.2	100% 4145	1005110	,	3412 Sep 03 23:01	0°95	
conjunction	3407 Sep 11 05:24	18°Mp41'46	1°05'19	asc. node	3412 Sep 26 16:44 3412 Oct 26 05:04	14°©10′28 0° <b>Ω</b>	
minimum elong max. Earth dist.	3407 Sep 11 06:03 3407 Sep 13 03:55	18° Mp 42'47 19° Mp 55'44	1°05'19 2.67500 AU	retrograde	3412 Oct 26 05:04 3412 Dec 15 20:50	0°87 13° <b>Ω</b> 48'16	
mas. Durin dist.	3407 Sep 28 23:53	0₀ <b>ʊ</b>	2.07.500 110	min. Earth dist.	3413 Jan 19 03:53	6° <b>Ω</b> 01'07	0.60340 AU
morning rise	3407 Oct 25 19:43	17° <b>≏</b> 04'28		opposition	3413 Jan 24 11:31	3° <b>£</b> 54'33	4°19'33
-	3407 Nov 15 01:38	$0^{\circ}$ M		greatest brilliancy	3413 Jan 23 15:11	4° <b>Ω</b> 14'45	-1.6m
	3407 Dec 31 17:15	0° <b>∡</b>			3413 Feb 03 22:09	30° <b>Ŗ</b> ∽	
	3408 Feb 15 21:38	0°る		direct	3413 Mar 03 00:18	25°5012'23	
desc. node	3408 Feb 18 13:21	1° <b>る</b> 43'53			3413 Apr 01 23:31	0° <b>N</b>	
	3408 Apr 01 22:01	0° <b>≈</b>			3413 Jun 09 04:58	0° mp	

3423 Sep 02 18:43

greatest brilliancy

9°**)** 51'45 -2.9m

3418 May 24 14:41

behind sun end

3°**Ⅲ**37′09

min. Earth dist.	3423 Sep 04 13:53 3423 Oct 02 13:41	9° <b>∺</b> 22'53 4° <b>∺</b> 50'45	0.37644 AU	conjunction minimum elong	3428 Dec 19 01:53 3428 Dec 19 00:40	27° <b>⋌</b> 05'04 27° <b>⋌</b> 02'52	
	3423 Dec 11 23:35	0°Υ			3428 Dec 23 03:41	0°る	
asc. node	3424 Jan 09 10:37	17° <b>Y</b> 21'36			3429 Feb 02 00:29	0° <b>≈</b>	
	3424 Jan 28 23:59	0°8		morning rise	3429 Feb 10 11:31	6° <b>≈</b> 22'04	
	3424 Mar 14 07:12	$\Pi^{\circ}0$		-	3429 Mar 13 09:12	0° <b>)</b> €	
	3424 Apr 28 18:36	0ංම			3429 Apr 20 22:38	$0^{\circ}$ Y	
	3424 Jun 14 03:26	$0^{\circ}\Omega$			3429 May 29 12:52	$0^{\circ}$ 8	
	3424 Jul 31 06:49	0° <b>m</b> ∕			3429 Jul 08 03:22	$\Pi$ $^{\circ}0$	
evening set	3424 Aug 17 18:14	11° <b>m</b> 03'43			3429 Aug 18 22:52	0ංම	
	3424 Sep 16 15:26	0∘ <b>ಹ</b>		asc. node	3429 Aug 31 08:03	8°925'48	
max. Earth dist.	3424 Sep 26 00:13	5° <b>£</b> 57'23	2.67481 AU		3429 Oct 04 01:40	$0$ $^{\circ}$ $\Omega$	
	2424 0	10000000	0052115		3429 Dec 02 22:27	0° M)	
conjunction	3424 Oct 02 09:09	10° <b>£</b> 00'57		retrograde	3430 Jan 07 01:26	6° Mp 53'27	
minimum elong	3424 Oct 02 10:12	10° <b>ഫ</b> 02'38 0° <b>M</b>	0-55 14	min. Earth dist.	3430 Feb 08 11:38 3430 Feb 13 05:18	30°R <b>Ω</b> 28° <b>Ω</b> 08'22	0.65153 AU
morning rise	3424 Nov 02 12:48 3424 Nov 15 12:48	8°M25'16		opposition	3430 Feb 16 05:27	26° <b>Ω</b> 56'01	4°37'03
morning rise	3424 Nov 13 12:48 3424 Dec 18 10:42	0° <b>√</b>		greatest brilliancy	3430 Feb 16 03.27 3430 Feb 15 17:14	20° <b>Ω</b> 08'16	
desc. node	3425 Jan 22 03:44	23° <b>⊀</b> 12'25		direct	3430 Mar 27 12:14	17° <b>Ω</b> 37'35	-1.4111
dese. Hode	3425 Feb 01 04:22	0°පි		direct	3430 May 18 07:38	0° m)	
	3425 Mar 16 18:39	0° <b>≈</b>			3430 Jul 17 19:53	0∘ <u>v</u>	
	3425 Apr 28 11:52	0° <b>)</b> €			3430 Sep 06 06:55	0° <b>M</b>	
	3425 Jun 10 00:48	$0^{\circ}\Upsilon$		desc. node	3430 Sep 13 23:37	4°ML51'02	
	3425 Jul 24 13:26	0°8			3430 Oct 22 07:43	0° <b>∡</b> ¹	
	3425 Sep 22 14:35	$\Pi^{\circ}0$			3430 Dec 04 04:16	8°0	
retrograde	3425 Oct 14 03:04	3° <b>Ⅱ</b> 11'31		evening set	3430 Dec 16 13:06	9° <b>る</b> 00'45	
	3425 Nov 04 09:54	30° <b>₹</b> 8		max. Earth dist.	3431 Jan 04 20:34		2.40761 AU
min. Earth dist.	3425 Nov 10 00:39		0.42930 AU		3431 Jan 13 15:04	0° <b>≈</b>	
opposition	3425 Nov 18 00:57	25° <b>8</b> 39'45					
greatest brilliancy	3425 Nov 17 21:30	25° <b>8</b> 42'35	-2.6m	conjunction	3431 Feb 12 21:14	23°≈17'32	
asc. node	3425 Nov 26 09:19	23° <b>8</b> 03'14		minimum elong	3431 Feb 12 20:42	23°≈16′29	1°04'33
direct	3425 Dec 19 14:35	19° <b>႘</b> 30'33 0° <b>Ⅱ</b>			3431 Feb 21 11:26 3431 Mar 31 13:55	0° <b>∀</b> 0° <b>Υ</b>	
	3426 Feb 02 01:50 3426 Apr 02 06:32	0°9		morning rise	3431 Mai 31 13.33 3431 Apr 22 08:26	0 1 17° <b>Υ</b> 08'08	
	3426 May 23 11:00	0° <b>U</b>		morning rise	3431 Apr 22 08.26 3431 May 08 19:48	0°8	
	3426 Jul 11 21:49	0° <b>m</b>			3431 Jun 17 02:08	0°II	
	3426 Aug 29 07:21	0∘ <b>ಹ</b> ೧.೫		asc. node	3431 Jul 19 07:02	23° <b>Ⅱ</b> 38'41	
evening set	3426 Sep 23 13:16	15° <b>≏</b> 58'18			3431 Jul 28 04:40	0°ಅ	
844	3426 Oct 15 08:42	0° <b>M</b>			3431 Sep 10 00:08	0°N	
max. Earth dist.	3426 Oct 20 00:44	3°ML02'03	2.63096 AU		3431 Oct 28 00:26	0° <b>m</b> )	
					3431 Dec 25 23:57	0∘ <b>亚</b>	
conjunction	3426 Nov 08 02:48	15°M33'56	0°17'46	retrograde	3432 Feb 10 10:05	10° <b>≏</b> 39'53	
minimum elong	3426 Nov 08 03:23	15°M34'54	0°17'45	opposition	3432 Mar 21 11:14	1° <b>≏</b> 04'01	3°54'35
	3426 Nov 29 16:50	0°⊀		greatest brilliancy	3432 Mar 21 13:56	1° <b>≏</b> 01'19	-1.3m
desc. node	3426 Dec 10 02:15	7° <b>∡</b> 03'15		min. Earth dist.	3432 Mar 22 08:09		0.67841 AU
morning rise	3426 Dec 24 04:57	16° <b>₹</b> 44'59			3432 Mar 24 03:39	30° <b>₽, M</b> )	
	3427 Jan 12 04:30	ව°0		direct	3432 May 01 12:44	21° mp 10'07	
	3427 Feb 22 22:34	0° <b>≈</b>		J J.	3432 Jun 12 22:23	0∘ <b>⊽</b>	
	3427 Apr 04 07:29	0° <b>ℋ</b> 0° <b>Ƴ</b>		desc. node	3432 Jul 31 22:30	22° <b>♀</b> 58'11	
	3427 May 13 20:45 3427 Jun 22 11:43	0° <b>∀</b>			3432 Aug 13 11:50 3432 Sep 30 23:30	0° <b>™</b> 0° <b>ᡘ</b> ¹	
	3427 Aug 02 14:56	0°II			3432 Nov 13 11:49	°ੇ ਨ	
	3427 Sep 17 08:34	0°©			3432 Dec 23 23:28	0° <b>≈</b>	
asc. node	3427 Oct 14 08:01	14° <b>©</b> 31'59			3433 Jan 31 16:02	0° <b>₩</b>	
retrograde	3427 Dec 01 13:30	27°539'01		evening set	3433 Feb 16 16:39	12° <b>)</b> 38'33	
min. Earth dist.	3428 Jan 02 18:24	20°536'11	0.56083 AU	C	3433 Mar 10 15:03	$0^{\circ}\Upsilon$	
opposition	3428 Jan 09 11:13	17° <b>©</b> 59'50	3°43'23		3433 Apr 17 20:00	$0^{\circ}$ 8	
greatest brilliancy	3428 Jan 08 12:36	18° <b>©</b> 21'53	-1.8m				
direct	3428 Feb 14 14:38	9° <b>5</b> 49'06		conjunction	3433 Apr 26 10:57	6° <b>8</b> 40'22	
	3428 Apr 23 02:05	$0^{\circ}\Omega$		minimum elong	3433 Apr 26 13:20	6° <b>8</b> 44'57	0°26'12
	3428 Jun 18 23:42	0° <b>m</b> p			3433 May 27 03:40	0°II	
	3428 Aug 08 22:56	0° <b>™</b>		asc. node	3433 Jun 05 05:25	6° <b>Ⅱ</b> 44'54	
1 1	3428 Sep 25 21:28	0°M		max. Earth dist.	3433 Jun 16 23:37		2.42990 AU
desc. node	3428 Oct 27 00:44	20°M25'24		morning rise	3433 Jul 01 23:03	26° <b>Ⅱ</b> 12'48	
evening set	3428 Oct 31 02:16	23°M.08′51 0°⊀			3433 Jul 07 06:24	0°Ω 0∞©	
max. Earth dist.	3428 Nov 10 05:27 3428 Nov 16 17:36		2.53621 AU		3433 Aug 19 15:34 3433 Oct 04 16:31	0° <b>m</b> p	
max. Earm uist.	J720 190V 10 1/.30	T A 2039	2.33021 AU		J-JJ OCI 04 10.31	עווי∨	

	3433 Nov 23 07:57	0∘ <b>⊽</b>			3439 Mar 24 23:38	$\Pi^{\circ}0$	
	3434 Jan 20 15:54	0°M			3439 May 08 02:14	0	
retrograde	3434 Mar 17 15:48	14°M16'04			3439 Jun 22 14:29	$0 {\circ} \Omega$	
opposition	3434 Apr 25 10:08	5° <b>™</b> 24'40	2°00'35	evening set	3439 Aug 03 22:50	27° <b>Ω</b> 15'34	
greatest brilliancy	3434 Apr 25 18:52	5° <b>™</b> 16'12	-1.5m		3439 Aug 08 05:50	0° <b>m</b>	
min. Earth dist.	3434 Apr 30 02:16	3°M35'56	0.63914 AU	max. Earth dist.	3439 Sep 18 07:51	26° Mp 08'27	2.67734 AU
	3434 May 10 00:55	30° <b>₹</b> Ω			1	•	
direct	3434 Jun 05 19:23	25° <b>£</b> 23'40		conjunction	3439 Sep 19 09:04	26° m 48'30	1°01'51
desc. node	3434 Jun 18 20:38	26° <b>£</b> 25'09		minimum elong	3439 Sep 19 09:55	26° Mp 49'52	1°01'50
desc. Hode				minimum ciong	•	-•	1 01 30
	3434 Jul 04 14:22	0°M			3439 Sep 24 09:32	0∘ <b>⊽</b>	
	3434 Sep 06 07:35	0° <b>∡</b> ″		morning rise	3439 Nov 02 16:04	25° <b>≏</b> 03'15	
	3434 Oct 22 15:48	0°ප			3439 Nov 10 09:09	0°M₊	
	3434 Dec 03 00:58	0° <b>≈</b>			3439 Dec 26 17:41	0° <b>∡</b> ¹	
	3435 Jan 11 02:00	0° <b>∀</b>		desc. node	3440 Feb 08 18:28	28° <b>₹</b> 58'02	
	3435 Feb 18 06:50	$0^{\circ}\mathbf{\Upsilon}$			3440 Feb 10 07:51	8°0	
	3435 Mar 28 18:48	0° <b>႘</b>			3440 Mar 26 06:53	0° <b>≈</b>	
asc. node	3435 Apr 23 05:08	19° <b>8</b> 21'29			3440 May 10 02:24	0° <b>)</b> €	
evening set	3435 Apr 28 23:41	23° <b>8</b> 41'11			3440 Jun 25 09:36	0° <b>Υ</b>	
evening set	•	0° <b>I</b>				0° <b>8</b>	
	3435 May 07 11:24				3440 Aug 23 04:46	_	
	3435 Jun 17 23:16	$0$ $\circ$ $\odot$		retrograde	3440 Sep 19 03:40	4° <b>8</b> 45'27	
				min. Earth dist.	3440 Oct 15 20:33	0° <b>8</b> 18'29	0.38737 AU
conjunction	3435 Jun 28 07:59	7° <b>©</b> 16'10	0°39'38		3440 Oct 16 22:14	30° <b>₹Ƴ</b>	
minimum elong	3435 Jun 28 06:03	7° <b>©</b> 12'48	0°39'37	opposition	3440 Oct 21 09:22	28° <b>Ƴ</b> 41'47	-3°29'28
max. Earth dist.	3435 Jul 30 07:11	29° <b>©</b> 09'45	2.55988 AU	greatest brilliancy	3440 Oct 20 19:50	28° <b>Ƴ</b> 51'40	-2.9m
	3435 Jul 31 13:04	$0^{\circ}\Omega$		direct	3440 Nov 20 06:52	23° <b>Y</b> 26'52	
morning rise	3435 Aug 21 01:09	13° <b>Ω</b> 38'34		asc. node	3440 Dec 13 01:59	26° <b>Ƴ</b> 39'40	
morning rise	3435 Sep 15 04:08	0°m		use. Houe	3440 Dec 23 18:38	0°8	
	•	0∘ <b>ʊ</b> 0 ıııı				0°II	
	3435 Nov 01 17:57				3441 Feb 22 10:21		
	3435 Dec 21 16:36	0°M			3441 Apr 13 10:50	0.2	
	3436 Feb 14 23:28	0°⊀			3441 Jun 01 00:13	$0$ $^{\circ}\Omega$	
retrograde	3436 Apr 29 19:47	22° <b>₹</b> 55'56			3441 Jul 19 07:26	0° <b>m</b>	
desc. node	3436 May 05 20:00	22° <b>҂</b> ′42′20			3441 Sep 05 04:49	0∘ <b>ত</b>	
opposition	3436 Jun 04 19:10	15° <b>₹</b> 20′28	-1°20'09	evening set	3441 Sep 09 08:09	2° <b>£</b> 36'58	
greatest brilliancy	3436 Jun 05 04:17	15° <b>∡</b> 12'12	-1.9m	max. Earth dist.	3441 Oct 10 09:11	22° <b>-</b> 24'45	2.65445 AU
min. Earth dist.	3436 Jun 12 15:52	12° <b>∡</b> 29'31	0.53797 AU		3441 Oct 22 03:10	0°M	
direct	3436 Jul 14 06:59	6° <b>₹</b> 06'08	0.05777110		31.11 000 22 03.10	0 110	
direct	3436 Sep 21 16:08	0°る		conjunction	3441 Oct 24 13:55	1°M35'16	0033120
	-			·			
	3436 Nov 07 00:55	0° <b>≈</b>		minimum elong	3441 Oct 24 14:52	1°M36'48	0°33'28
	3436 Dec 17 22:19	0° <b>∀</b>			3441 Dec 06 15:16	0° <b>∡</b>	
	3437 Jan 26 05:37	$0^{\circ}\Upsilon$		morning rise	3441 Dec 08 10:46	1° <b>∡</b> °13'04	
	3437 Mar 06 15:42	Λο.					
asc. node		$8^{\circ 0}$		desc. node	3441 Dec 26 17:01	13° <b>∡</b> ³35′05	
	3437 Mar 10 03:26	2° <b>8</b> 37'20		desc. node		13°♂35'05 0°♂	
	3437 Mar 10 03:26 3437 Apr 16 05:35			desc. node	3441 Dec 26 17:01		
		2° <b>8</b> 37'20		desc. node	3441 Dec 26 17:01 3442 Jan 19 12:23 3442 Mar 02 20:07	ರ∘ರ	
evening set	3437 Apr 16 05:35 3437 May 28 13:14	2°႘37′20 0°Ⅲ 0°©		desc. node	3441 Dec 26 17:01 3442 Jan 19 12:23 3442 Mar 02 20:07 3442 Apr 12 21:08	0°ಕ % % %	
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conjunction	3437 Apr 16 05:35 3437 May 28 13:14 3437 Jun 22 07:00 3437 Jul 11 18:24 3437 Aug 12 05:56	2°837'20 0°II 0°S 16°S56'20 0°N			3441 Dec 26 17:01 3442 Jan 19 12:23 3442 Mar 02 20:07 3442 Apr 12 21:08 3442 May 23 04:20 3442 Jul 02 17:51 3442 Aug 14 16:26 3442 Oct 06 22:21	0°3 0°≈ 0°¥ 0°Y 0°8 0°I 0°©	
conjunction minimum elong	3437 Apr 16 05:35 3437 May 28 13:14 3437 Jun 22 07:00 3437 Jul 11 18:24 3437 Aug 12 05:56 3437 Aug 12 05:25	2°837'20 0°Π 0°Θ 16°Θ56'20 0°Ω 20°Ω41'16 20°Ω40'25	1°07'03	asc. node	3441 Dec 26 17:01 3442 Jan 19 12:23 3442 Mar 02 20:07 3442 Apr 12 21:08 3442 May 23 04:20 3442 Jul 02 17:51 3442 Aug 14 16:26 3442 Oct 06 22:21 3442 Oct 31 01:45	0°♂ 0°≈ 0°¥ 0°Y 0°B 0°B 7°\$\$43'44	
conjunction	3437 Apr 16 05:35 3437 May 28 13:14 3437 Jun 22 07:00 3437 Jul 11 18:24 3437 Aug 12 05:56 3437 Aug 12 05:25 3437 Aug 25 17:39	2°837'20 0°Π 0°Θ 16°Θ56'20 0°Ω 20°Ω41'16 20°Ω40'25 29°Ω25'18		asc. node retrograde	3441 Dec 26 17:01 3442 Jan 19 12:23 3442 Mar 02 20:07 3442 Apr 12 21:08 3442 May 23 04:20 3442 Jul 02 17:51 3442 Aug 14 16:26 3442 Oct 06 22:21 3442 Oct 31 01:45 3442 Nov 14 15:25	0°5 0°≈ 0°¥ 0°Y 0°8 0°I 0°© 7°\$43'44 9°\$11'40	
conjunction minimum elong	3437 Apr 16 05:35 3437 May 28 13:14 3437 Jun 22 07:00 3437 Jul 11 18:24 3437 Aug 12 05:56 3437 Aug 12 05:25	2°837'20 0°Π 0°Θ 16°Θ56'20 0°Ω 20°Ω41'16 20°Ω40'25	1°07'03	asc. node	3441 Dec 26 17:01 3442 Jan 19 12:23 3442 Mar 02 20:07 3442 Apr 12 21:08 3442 May 23 04:20 3442 Jul 02 17:51 3442 Aug 14 16:26 3442 Oct 06 22:21 3442 Oct 31 01:45	0°♂ 0°≈ 0°¥ 0°Y 0°B 0°B 7°\$\$43'44	0.51085 AU
conjunction minimum elong	3437 Apr 16 05:35 3437 May 28 13:14 3437 Jun 22 07:00 3437 Jul 11 18:24 3437 Aug 12 05:56 3437 Aug 12 05:25 3437 Aug 25 17:39	2°837'20 0°Π 0°Θ 16°Θ56'20 0°Ω 20°Ω41'16 20°Ω40'25 29°Ω25'18	1°07'03	asc. node retrograde	3441 Dec 26 17:01 3442 Jan 19 12:23 3442 Mar 02 20:07 3442 Apr 12 21:08 3442 May 23 04:20 3442 Jul 02 17:51 3442 Aug 14 16:26 3442 Oct 06 22:21 3442 Oct 31 01:45 3442 Nov 14 15:25	0°5 0°≈ 0°¥ 0°Y 0°8 0°I 0°© 7°\$43'44 9°\$11'40	0.51085 AU 2°37'50
conjunction minimum elong max. Earth dist.	3437 Apr 16 05:35 3437 May 28 13:14 3437 Jun 22 07:00 3437 Jul 11 18:24 3437 Aug 12 05:56 3437 Aug 12 05:25 3437 Aug 25 17:39 3437 Aug 26 15:10	2°837'20 0°II 0°S 16°S56'20 0°N 20°N41'16 20°N40'25 29°N25'18 0°ID	1°07'03	asc. node retrograde min. Earth dist.	3441 Dec 26 17:01 3442 Jan 19 12:23 3442 Mar 02 20:07 3442 Apr 12 21:08 3442 May 23 04:20 3442 Jul 02 17:51 3442 Aug 14 16:26 3442 Oct 06 22:21 3442 Oct 31 01:45 3442 Nov 14 15:25 3442 Dec 14 14:19	0°♂ 0°≈ 0°¥ 0°Y 0°Y 0°I 0°© 7°©43'44 9°©11'40 2°©55'9'02	2°37'50
conjunction minimum elong max. Earth dist.	3437 Apr 16 05:35 3437 May 28 13:14 3437 Jun 22 07:00 3437 Jul 11 18:24 3437 Aug 12 05:56 3437 Aug 12 05:25 3437 Aug 25 17:39 3437 Aug 26 15:10 3437 Sep 28 03:34	2°837'20 0°II 0°S 16°S56'20 0°N 20°N41'16 20°N40'25 29°N25'18 0°M 20°M48'20	1°07'03	asc. node retrograde min. Earth dist. opposition	3441 Dec 26 17:01 3442 Jan 19 12:23 3442 Mar 02 20:07 3442 Apr 12 21:08 3442 May 23 04:20 3442 Jul 02 17:51 3442 Aug 14 16:26 3442 Oct 06 22:21 3442 Oct 31 01:45 3442 Nov 14 15:25 3442 Dec 14 14:19 3442 Dec 22 10:02	0°♂ 0°≈ 0°¥ 0°Y 0°B 0°I 0°© 7°©43'44 9°©11'40 2°©55'02 0°©03'38	2°37'50
conjunction minimum elong max. Earth dist.	3437 Apr 16 05:35 3437 May 28 13:14 3437 Jun 22 07:00 3437 Jul 11 18:24 3437 Aug 12 05:56 3437 Aug 12 05:25 3437 Aug 25 17:39 3437 Aug 26 15:10 3437 Sep 28 03:34 3437 Oct 12 15:40 3437 Nov 29 09:19	2°837'20 0° II 0° II 0° II 16° II 16° II 20° II 20° II 20° II 20° II 20° II 20° II 0° II 20° II 20° II 0° II 0° II 0° III 0° III	1°07'03	asc. node retrograde min. Earth dist. opposition greatest brilliancy	3441 Dec 26 17:01 3442 Jan 19 12:23 3442 Mar 02 20:07 3442 Apr 12 21:08 3442 May 23 04:20 3442 Jul 02 17:51 3442 Aug 14 16:26 3442 Oct 06 22:21 3442 Oct 31 01:45 3442 Nov 14 15:25 3442 Dec 14 14:19 3442 Dec 22 10:02 3442 Dec 21 14:33 3442 Dec 22 13:55	0°♂ 0°≈ 0°¥ 0°Y 0°B 0°I 0°© 7°©43'44 9°©11'40 2°©59'02 0°©03'38 0°©21'55	2°37'50
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conjunction minimum elong max. Earth dist. morning rise	3437 Apr 16 05:35 3437 May 28 13:14 3437 Jun 22 07:00 3437 Jul 11 18:24 3437 Aug 12 05:56 3437 Aug 12 05:25 3437 Aug 25 17:39 3437 Aug 26 15:10 3437 Sep 28 03:34 3437 Oct 12 15:40 3437 Nov 29 09:19 3438 Jan 16 20:38 3438 Mar 08 01:20	2°837'20 0°II 0°I 0°I 16°I 20°I 20°I 20°I 20°I 20°I 20°I 20°I 20	1°07'03	asc. node retrograde min. Earth dist. opposition greatest brilliancy	3441 Dec 26 17:01 3442 Jan 19 12:23 3442 Mar 02 20:07 3442 Apr 12 21:08 3442 May 23 04:20 3442 Jul 02 17:51 3442 Aug 14 16:26 3442 Oct 06 22:21 3442 Oct 31 01:45 3442 Nov 14 15:25 3442 Dec 14 14:19 3442 Dec 22 10:02 3442 Dec 21 14:33 3442 Dec 22 13:55 3443 Jan 25 22:40 3443 Mar 04 07:55	0°♂ 0°≈ 0°¥ 0°Y 0°B 0°I 0°© 7°©43'44 9°©11'40 2°©59'02 0°©03'38 0°©21'55 30°RII 22°I33'05 0°©	2°37'50
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conjunction minimum elong max. Earth dist. morning rise	3437 Apr 16 05:35 3437 May 28 13:14 3437 Jun 22 07:00 3437 Jul 11 18:24 3437 Aug 12 05:56 3437 Aug 12 05:25 3437 Aug 25 17:39 3437 Aug 26 15:10 3437 Sep 28 03:34 3437 Oct 12 15:40 3437 Nov 29 09:19 3438 Jan 16 20:38 3438 Mar 08 01:20 3438 Mar 23 19:42 3438 May 03 10:32	2°837'20 0°II 0°S 16°S56'20 0°I 20°I41'16 20°I40'25 29°I25'18 0°I 20°I48'20 0°S 0°I 0°S 8°S58'18 0°≈	1°07'03	asc. node retrograde min. Earth dist. opposition greatest brilliancy	3441 Dec 26 17:01 3442 Jan 19 12:23 3442 Mar 02 20:07 3442 Apr 12 21:08 3442 May 23 04:20 3442 Jul 02 17:51 3442 Aug 14 16:26 3442 Oct 06 22:21 3442 Oct 31 01:45 3442 Nov 14 15:25 3442 Dec 14 14:19 3442 Dec 22 10:02 3442 Dec 21 14:33 3442 Dec 22 13:55 3443 Jan 25 22:40 3443 May 07 00:39 3443 Jun 28 16:35	0°₹ 0°₩ 0°¥ 0°¥ 0°¥ 0°B 0°B 0°B 7°\$43'44 9°\$11'40 2°\$59'02 0°\$03'38 0°\$21'55 30°RI 22°I33'05 0°\$ 0°\$ 0°\$ 0°\$ 0°\$	2°37'50
conjunction minimum elong max. Earth dist. morning rise  desc. node retrograde	3437 Apr 16 05:35 3437 May 28 13:14 3437 Jun 22 07:00 3437 Jul 11 18:24 3437 Aug 12 05:56 3437 Aug 12 05:25 3437 Aug 25 17:39 3437 Aug 26 15:10 3437 Sep 28 03:34 3437 Oct 12 15:40 3437 Nov 29 09:19 3438 Jan 16 20:38 3438 Mar 08 01:20 3438 Mar 23 19:42 3438 May 03 10:32 3438 Jul 02 03:27	2°837'20 0°II 0°S 16°S56'20 0°N 20°N41'16 20°N40'25 29°N25'18 0°M 20°M48'20 0°S 8°S58'18 0°≈ 16°≈35'58	1°07'03 2.64565 AU	asc. node retrograde min. Earth dist. opposition greatest brilliancy	3441 Dec 26 17:01 3442 Jan 19 12:23 3442 Mar 02 20:07 3442 Apr 12 21:08 3442 May 23 04:20 3442 Jul 02 17:51 3442 Aug 14 16:26 3442 Oct 06 22:21 3442 Oct 31 01:45 3442 Nov 14 15:25 3442 Dec 14 14:19 3442 Dec 22 10:02 3442 Dec 21 14:33 3442 Dec 22 13:55 3443 Jan 25 22:40 3443 May 07 00:39 3443 Jun 28 16:35 3443 Aug 17 08:48	0°♂ 0°≈ 0°भ 0°भ 0°Ч 0°В 0°П 0°© 7°©43'44 9°©11'40 2°©59'02 0°©03'38 0°©21'55 30°RП 22°П33'05 0°© 0°Ω 0°™ 0°Ω	2°37'50
conjunction minimum elong max. Earth dist. morning rise  desc. node retrograde opposition	3437 Apr 16 05:35 3437 May 28 13:14 3437 Jun 22 07:00 3437 Jul 11 18:24  3437 Aug 12 05:56 3437 Aug 12 05:25 3437 Aug 25 17:39 3437 Aug 26 15:10 3437 Sep 28 03:34 3437 Oct 12 15:40 3437 Nov 29 09:19 3438 Jan 16 20:38 3438 Mar 08 01:20 3438 Mar 23 19:42 3438 May 03 10:32 3438 Jul 02 03:27 3438 Aug 02 10:30	2°837'20 0°II 0°S 16°S56'20 0°A 20°A41'16 20°A40'25 29°A25'18 0°M 20°M48'20 0°A 0°I 0°X 0°S 8°S58'18 0°≈ 16°≈35'58 11°≈05'13	1°07'03 2.64565 AU -6°01'53	asc. node retrograde min. Earth dist. opposition greatest brilliancy direct	3441 Dec 26 17:01 3442 Jan 19 12:23 3442 Mar 02 20:07 3442 Apr 12 21:08 3442 May 23 04:20 3442 Jul 02 17:51 3442 Aug 14 16:26 3442 Oct 06 22:21 3442 Oct 31 01:45 3442 Nov 14 15:25 3442 Dec 14 14:19 3442 Dec 22 10:02 3442 Dec 21 14:33 3442 Dec 22 13:55 3443 Jan 25 22:40 3443 Mar 04 07:55 3443 May 07 00:39 3443 Jun 28 16:35 3443 Aug 17 08:48 3443 Oct 03 20:45	0°5 0°≈ 0°¥ 0°Y 0°8 0°I 0°© 7°©43'44 9°©11'40 2°©59'02 0°©03'38 0°©21'55 30°KI 22°I33'05 0°© 0°Ω 0°I 0°I 0°I	2°37'50
conjunction minimum elong max. Earth dist. morning rise  desc. node retrograde	3437 Apr 16 05:35 3437 May 28 13:14 3437 Jun 22 07:00 3437 Jul 11 18:24 3437 Aug 12 05:56 3437 Aug 12 05:25 3437 Aug 25 17:39 3437 Aug 26 15:10 3437 Sep 28 03:34 3437 Oct 12 15:40 3437 Nov 29 09:19 3438 Jan 16 20:38 3438 Mar 08 01:20 3438 Mar 23 19:42 3438 May 03 10:32 3438 Jul 02 03:27	2°837'20 0°II 0°S 16°S56'20 0°N 20°N41'16 20°N40'25 29°N25'18 0°M 20°M48'20 0°S 8°S58'18 0°≈ 16°≈35'58	1°07'03 2.64565 AU	asc. node retrograde min. Earth dist. opposition greatest brilliancy	3441 Dec 26 17:01 3442 Jan 19 12:23 3442 Mar 02 20:07 3442 Apr 12 21:08 3442 May 23 04:20 3442 Jul 02 17:51 3442 Aug 14 16:26 3442 Oct 06 22:21 3442 Oct 31 01:45 3442 Nov 14 15:25 3442 Dec 14 14:19 3442 Dec 22 10:02 3442 Dec 21 14:33 3442 Dec 22 13:55 3443 Jan 25 22:40 3443 May 07 00:39 3443 Jun 28 16:35 3443 Aug 17 08:48	0°♂ 0°≈ 0°भ 0°भ 0°Ч 0°В 0°П 0°© 7°©43'44 9°©11'40 2°©59'02 0°©03'38 0°©21'55 30°RП 22°П33'05 0°© 0°Ω 0°™ 0°Ω	2°37'50
conjunction minimum elong max. Earth dist. morning rise  desc. node retrograde opposition	3437 Apr 16 05:35 3437 May 28 13:14 3437 Jun 22 07:00 3437 Jul 11 18:24  3437 Aug 12 05:56 3437 Aug 12 05:25 3437 Aug 25 17:39 3437 Aug 26 15:10 3437 Sep 28 03:34 3437 Oct 12 15:40 3437 Nov 29 09:19 3438 Jan 16 20:38 3438 Mar 08 01:20 3438 Mar 23 19:42 3438 May 03 10:32 3438 Jul 02 03:27 3438 Aug 02 10:30	2°837'20 0°II 0°S 16°S56'20 0°A 20°A41'16 20°A40'25 29°A25'18 0°M 20°M48'20 0°A 0°I 0°X 0°S 8°S58'18 0°≈ 16°≈35'58 11°≈05'13	1°07'03 2.64565 AU -6°01'53	asc. node retrograde min. Earth dist. opposition greatest brilliancy direct	3441 Dec 26 17:01 3442 Jan 19 12:23 3442 Mar 02 20:07 3442 Apr 12 21:08 3442 May 23 04:20 3442 Jul 02 17:51 3442 Aug 14 16:26 3442 Oct 06 22:21 3442 Oct 31 01:45 3442 Nov 14 15:25 3442 Dec 14 14:19 3442 Dec 22 10:02 3442 Dec 21 14:33 3442 Dec 22 13:55 3443 Jan 25 22:40 3443 Mar 04 07:55 3443 May 07 00:39 3443 Jun 28 16:35 3443 Aug 17 08:48 3443 Oct 03 20:45	0°5 0°≈ 0°¥ 0°Y 0°8 0°I 0°© 7°©43'44 9°©11'40 2°©59'02 0°©03'38 0°©21'55 30°KI 22°I33'05 0°© 0°Ω 0°I 0°I 0°I	2°37'50
conjunction minimum elong max. Earth dist. morning rise  desc. node retrograde opposition greatest brilliancy	3437 Apr 16 05:35 3437 May 28 13:14 3437 Jun 22 07:00 3437 Jul 11 18:24  3437 Aug 12 05:56 3437 Aug 12 05:25 3437 Aug 25 17:39 3437 Aug 26 15:10 3437 Sep 28 03:34 3437 Oct 12 15:40 3437 Nov 29 09:19 3438 Jan 16 20:38 3438 Mar 08 01:20 3438 Mar 23 19:42 3438 May 03 10:32 3438 Jul 02 03:27 3438 Aug 02 10:30 3438 Aug 03 20:24	2°837'20 0°II 0°S 16°S56'20 0°A  20°A41'16 20°A40'25 29°A25'18 0°ID 20°ID 48'20 0°A 0°IC 8°S58'18 0°S 16°≈35'58 11°≈05'13 10°≈40'13	1°07'03 2.64565 AU -6°01'53 -2.7m	asc. node retrograde min. Earth dist. opposition greatest brilliancy direct	3441 Dec 26 17:01 3442 Jan 19 12:23 3442 Mar 02 20:07 3442 Apr 12 21:08 3442 May 23 04:20 3442 Jul 02 17:51 3442 Aug 14 16:26 3442 Oct 06 22:21 3442 Oct 31 01:45 3442 Nov 14 15:25 3442 Dec 14 14:19 3442 Dec 22 10:02 3442 Dec 21 14:33 3442 Dec 22 13:55 3443 Jan 25 22:40 3443 Mar 04 07:55 3443 May 07 00:39 3443 Jun 28 16:35 3443 Aug 17 08:48 3443 Oct 03 20:45 3443 Oct 16 13:54	0°5 0°≈ 0°¥ 0°Y 0°8 0°I 0°© 7°©43'44 9°©11'40 2°©59'02 0°©03'38 0°©21'55 30°RI 22°I33'05 0°© 0°R 0°™ 0°™	2°37′50 -2.1m
conjunction minimum elong max. Earth dist. morning rise  desc. node retrograde opposition greatest brilliancy min. Earth dist.	3437 Apr 16 05:35 3437 May 28 13:14 3437 Jun 22 07:00 3437 Jul 11 18:24  3437 Aug 12 05:56 3437 Aug 12 05:25 3437 Aug 25 17:39 3437 Aug 26 15:10 3437 Sep 28 03:34 3437 Oct 12 15:40 3437 Nov 29 09:19 3438 Jan 16 20:38 3438 Mar 08 01:20 3438 Mar 23 19:42 3438 May 03 10:32 3438 Aug 02 10:30 3438 Aug 03 20:24 3438 Aug 09 04:54	2°837'20 0°II 0°S 16°S56'20 0°A  20°A41'16 20°A40'25 29°A25'18 0°ID 20°ID 48'20 0°S 0°IL 0°S' 0°S 8°S58'18 0°% 16°%35'58 11°%05'13 10°%40'13 9°%05'58	1°07'03 2.64565 AU -6°01'53 -2.7m	asc. node retrograde min. Earth dist. opposition greatest brilliancy direct  evening set max. Earth dist.	3441 Dec 26 17:01 3442 Jan 19 12:23 3442 Mar 02 20:07 3442 Apr 12 21:08 3442 May 23 04:20 3442 Jul 02 17:51 3442 Aug 14 16:26 3442 Oct 06 22:21 3442 Oct 31 01:45 3442 Dec 14 14:19 3442 Dec 21 14:33 3442 Dec 21 14:33 3442 Dec 22 13:55 3443 Jan 25 22:40 3443 Mar 04 07:55 3443 May 07 00:39 3443 Jun 28 16:35 3443 Aug 17 08:48 3443 Oct 03 20:45 3443 Nov 05 14:50	0°5 0°≈ 0°¥ 0°Y 0°8 0°I 0°9 7°943'44 9°911'40 2°959'02 0°903'38 0°921'55 30°RI 22°I33'05 0°9 0°I 0°I 0°I 8°I16'26 21°I32'40	2°37′50 -2.1m
conjunction minimum elong max. Earth dist. morning rise  desc. node retrograde opposition greatest brilliancy min. Earth dist.	3437 Apr 16 05:35 3437 May 28 13:14 3437 Jun 22 07:00 3437 Jul 11 18:24  3437 Aug 12 05:56 3437 Aug 12 05:25 3437 Aug 25 17:39 3437 Aug 26 15:10 3437 Sep 28 03:34 3437 Oct 12 15:40 3437 Nov 29 09:19 3438 Jan 16 20:38 3438 Mar 08 01:20 3438 Mar 23 19:42 3438 May 03 10:32 3438 Aug 03 10:32 3438 Aug 02 10:30 3438 Aug 03 20:24 3438 Aug 09 04:54 3438 Sep 04 22:28	2°837'20 0°II 0°S 16°S56'20 0°A  20°A41'16 20°A40'25 29°A25'18 0°M 20°M48'20 0°A 0°IL 0°X 0°S 8°S58'18 0°% 16°%35'58 11°%05'13 10°%40'13 9°%05'58 4°%39'36	1°07'03 2.64565 AU -6°01'53 -2.7m	asc. node retrograde min. Earth dist. opposition greatest brilliancy direct  evening set max. Earth dist.	3441 Dec 26 17:01 3442 Jan 19 12:23 3442 Mar 02 20:07 3442 Apr 12 21:08 3442 May 23 04:20 3442 Jul 02 17:51 3442 Aug 14 16:26 3442 Oct 06 22:21 3442 Oct 31 01:45 3442 Dec 14 14:19 3442 Dec 21 14:33 3442 Dec 21 14:33 3442 Dec 22 13:55 3443 Jan 25 22:40 3443 Mar 04 07:55 3443 May 07 00:39 3443 Jun 28 16:35 3443 Aug 17 08:48 3443 Oct 03 20:45 3443 Nov 05 14:50 3443 Nov 13 15:48	0°5 0°≈ 0°¥ 0°Y 0°8 0°I 0°© 7°©43'44 9°©11'40 2°©59'02 0°©03'38 0°©21'55 30°RI 22°I33'05 0°© 0°I 0°I 0°I 8°IL16'26 21°IL32'40 26°IL57'10	2°37′50 -2.1m
conjunction minimum elong max. Earth dist. morning rise  desc. node retrograde opposition greatest brilliancy min. Earth dist. direct	3437 Apr 16 05:35 3437 May 28 13:14 3437 Jun 22 07:00 3437 Jul 11 18:24  3437 Aug 12 05:56 3437 Aug 12 05:25 3437 Aug 25 17:39 3437 Aug 26 15:10 3437 Sep 28 03:34 3437 Oct 12 15:40 3437 Nov 29 09:19 3438 Jan 16 20:38 3438 Mar 08 01:20 3438 Mar 23 19:42 3438 May 03 10:32 3438 Jul 02 03:27 3438 Aug 02 10:30 3438 Aug 03 20:24 3438 Aug 09 04:54 3438 Sep 04 22:28 3438 Nov 13 05:18 3438 Dec 29 03:41	2°837'20 0° II 0° II 0° II 16° II 20° II 20	1°07'03 2.64565 AU -6°01'53 -2.7m	asc. node retrograde min. Earth dist. opposition greatest brilliancy direct  evening set max. Earth dist. desc. node	3441 Dec 26 17:01 3442 Jan 19 12:23 3442 Mar 02 20:07 3442 Apr 12 21:08 3442 May 23 04:20 3442 Jul 02 17:51 3442 Aug 14 16:26 3442 Oct 06 22:21 3442 Oct 31 01:45 3442 Dec 14 14:19 3442 Dec 22 10:02 3442 Dec 21 14:33 3442 Dec 22 13:55 3443 Jan 25 22:40 3443 Mar 04 07:55 3443 May 07 00:39 3443 Jun 28 16:35 3443 Aug 17 08:48 3443 Oct 16 13:54 3443 Nov 05 14:50 3443 Nov 13 15:48 3443 Nov 18 03:44	0°₹ 0°₩ 0°¥ 0°¥ 0°¥ 0°B 0°B 0°B 11'40 2°\$59'02 0°\$03'38 0°\$21'55 30°RI 22°I33'05 0°\$ 0°\$ 0°\$ 0°\$ 0°\$ 0°\$ 0°\$ 0°\$ 10'05 0°\$ 0°\$ 0°\$ 0°\$ 0°\$ 0°\$ 0°\$ 0°\$ 0°\$ 0°\$	2°37′50 -2.1m 2.57880 AU
conjunction minimum elong max. Earth dist. morning rise  desc. node retrograde opposition greatest brilliancy min. Earth dist.	3437 Apr 16 05:35 3437 May 28 13:14 3437 Jun 22 07:00 3437 Jul 11 18:24  3437 Aug 12 05:56 3437 Aug 12 05:25 3437 Aug 25 17:39 3437 Aug 26 15:10 3437 Sep 28 03:34 3437 Oct 12 15:40 3437 Nov 29 09:19 3438 Jan 16 20:38 3438 Mar 08 01:20 3438 Mar 23 19:42 3438 May 03 10:32 3438 Jul 02 03:27 3438 Aug 02 10:30 3438 Aug 03 20:24 3438 Aug 09 04:54 3438 Sep 04 22:28 3438 Nov 13 05:18	2°837'20 0°II 0°S 16°S56'20 0°A  20°A41'16 20°A40'25 29°A25'18 0°M 20°M48'20 0°A 0°I 0°A 0°A 10°A 11°A05'13 10°A40'13 9°A05'58 4°A39'36 0°H	1°07'03 2.64565 AU -6°01'53 -2.7m	asc. node retrograde min. Earth dist. opposition greatest brilliancy direct  evening set max. Earth dist.	3441 Dec 26 17:01 3442 Jan 19 12:23 3442 Mar 02 20:07 3442 Apr 12 21:08 3442 May 23 04:20 3442 Jul 02 17:51 3442 Aug 14 16:26 3442 Oct 06 22:21 3442 Oct 31 01:45 3442 Dec 14 14:19 3442 Dec 21 14:33 3442 Dec 21 14:33 3442 Dec 22 13:55 3443 Jan 25 22:40 3443 Mar 04 07:55 3443 May 07 00:39 3443 Jun 28 16:35 3443 Aug 17 08:48 3443 Oct 03 20:45 3443 Nov 05 14:50 3443 Nov 13 15:48	0°5 0°≈ 0°¥ 0°Y 0°8 0°I 0°© 7°©43'44 9°©11'40 2°©59'02 0°©03'38 0°©21'55 30°RI 22°I33'05 0°© 0°I 0°I 0°I 8°IL16'26 21°IL32'40 26°IL57'10	2°37'50 -2.1m 2.57880 AU -0°10'55

behind sun begin	3443 Dec 02 01:23	9° <b>∡</b> 130'57		opposition	3449 Apr 11 10:21	21° <b>♀</b> 54'30	2°53'29
behind sun end	3443 Dec 03 07:50	10°×723'29		greatest brilliancy	3449 Apr 11 18:34	21° <b>⊆</b> 46'26	-1.4m
	3443 Dec 31 06:10	0°ठ		min. Earth dist.	3449 Apr 14 15:08	20° <b>ჲ</b> 39'04	0.66246 AU
morning rise	3444 Jan 21 08:15	15° <b>る</b> 12'43		direct	3449 May 22 21:25	11° <b>≏</b> 52'03	
	3444 Feb 10 09:59	0° <b>≈</b>		desc. node	3449 Jul 05 12:54	21° <b>≏</b> 24'36	
	3444 Mar 21 02:24	0° <b>∀</b>			3449 Jul 25 06:05	$0^{\circ}$ M	
	3444 Apr 28 23:03	0° <b>Υ</b>			3449 Sep 16 14:01	0° <b>∡</b>	
	3444 Jun 06 19:51	0° <b>B</b>			3449 Oct 31 08:11	0°₹	
	3444 Jul 16 18:31	0° <b>I</b> I			3449 Dec 11 05:18	0° <b>≈</b>	
asc. node	3444 Aug 28 08:09 3444 Sep 16 23:48	0°ഇ 12° <b>ഇ</b> 48'13			3450 Jan 19 01:03 3450 Feb 26 02:09	0° <b>∀</b> 0° <b>Υ</b>	
asc. node	3444 Oct 16 03:33	0°Ω		evening set	3450 Apr 02 10:01	27° <b>Υ</b> '40'30	
retrograde	3444 Dec 24 03:52	22° <b>Ω</b> 49'30		evening set	3450 Apr 05 10:03	0°8	
min. Earth dist.	3445 Jan 28 12:38	14° <b>Ω</b> 40′20	0.62322 AU	asc. node	3450 May 09 20:31	26° <b>8</b> 13'42	
greatest brilliancy	3445 Feb 01 07:02	13° <b>Ω</b> 10′07	-1.5m		3450 May 14 21:48	0°Щ	
opposition	3445 Feb 02 00:56	12° <b>Ω</b> 52'15	4°31'00				
direct	3445 Mar 12 05:58	3° <b>£</b> 55'41		conjunction	3450 Jun 06 09:39	16° <b>Ⅱ</b> 31'35	0°17'51
	3445 Jun 01 18:55	0° <b>m</b>		minimum elong	3450 Jun 06 08:23	16° <b>Ⅱ</b> 29'17	0°17'50
	3445 Jul 26 15:53	0∘ <b>⊽</b>			3450 Jun 25 04:46	0∘ <b>ௐ</b>	
	3445 Sep 13 20:05	0°M		max. Earth dist.	3450 Jul 16 22:56	15°5513'18	2.51309 AU
desc. node	3445 Sep 30 14:33	10°M46'43		morning rise	3450 Aug 03 11:19	27°©11'42	
evening set	3445 Oct 29 12:18	0° <b>∡</b> 7 19° <b>∡7</b> 43'59			3450 Aug 07 15:02	0° <b>N</b> 0° <b>™</b>	
max. Earth dist.	3445 Nov 26 23:33 3445 Dec 11 11:41	19 x·43 39 0°る05'26	2.45912 AU		3450 Sep 22 07:11 3450 Nov 09 09:07	0∘ <del>ত</del> المار	
max. Lartii dist.	3445 Dec 11 08:40	0°る	2. <del>4</del> 3)12 A0		3450 Dec 31 03:03	0° <b>m</b>	
					3451 Mar 05 19:50	0° <b>₹</b>	
conjunction	3446 Jan 19 18:09	29° <b>る</b> 05'59	-0°56'06	retrograde	3451 Apr 12 02:45	6° <b>₹</b> '59'36	
minimum elong	3446 Jan 19 16:22	29° <b>る</b> 02'36	0°56'06		3451 May 16 05:10	30°RM	
	3446 Jan 20 22:44	0° <b>≈</b>		opposition	3451 May 19 09:37	28°M49'02	0°10'09
	3446 Feb 28 23:06	0° <b>ℋ</b>		greatest brilliancy	3451 Mar 07 00:01	0° <b>∡</b> ¹23'23	-2.4m
morning rise	3446 Mar 23 00:11	17° <b>∺</b> 15'49		desc. node	3451 May 23 11:08	27°M17'06	
	3446 Apr 08 04:52	0° <b>Υ</b>		min. Earth dist.	3451 May 26 03:56	26°M16'33	0.58442 AU
	3446 May 16 12:42	0° <b>B</b>		direct	3451 Jun 29 00:02	19°M06'09	
aga mada	3446 Jun 24 20:10	0°Ⅱ 29°Ⅱ55'26			3451 Aug 13 00:02	%マ 0°ス	
asc. node	3446 Aug 04 23:05 3446 Aug 05 01:40	29 <b>11</b> 33 26			3451 Oct 06 04:50 3451 Nov 18 11:12	0°≈	
	3446 Sep 18 08:40	$0 {\circ} {\mathfrak O}$			3451 Dec 28 06:47	0° <b>¥</b>	
	3446 Nov 07 07:34	0° <b>m</b> )			3452 Feb 04 23:12	0° <b>Υ</b>	
retrograde	3447 Jan 28 02:37	27° m 59'35			3452 Mar 14 21:20	0°8	
opposition	3447 Mar 09 08:08	18° <b>m</b> 12'19	4°19'48	asc. node	3452 Mar 26 19:47	9° <b>8</b> 02'46	
greatest brilliancy	3447 Mar 09 05:26	18° <b>m</b> 15'01	-1.3m		3452 Apr 24 00:07	$\Pi$ °0	
min. Earth dist.	3447 Mar 08 16:34	18° <b>m</b> 27'54	0.67580 AU	evening set	3452 Jun 02 19:21	28° <b>Ⅲ</b> 31'37	
direct	3447 Apr 18 20:50	8°m/29'13			3452 Jun 04 21:51	0°©	
1 1	3447 Jun 29 23:58	0∘ <b>⊽</b>			3452 Jul 18 19:08	$0 {\circ} \Omega$	
desc. node	3447 Aug 18 13:38 3447 Aug 23 16:42	26° <b>Ω</b> 56'30 0° <b>M</b>		agnismation	3452 Jul 26 18:35	5° <b>Ω</b> 18'59	1000150
	3447 Oct 09 21:24	0° <b>⊼</b> 7		conjunction minimum elong	3452 Jul 26 17:20	5° <b>Ω</b> 16'55	1°00'58
	3447 Nov 22 01:12	°ਤ ਹ°ਤ		max. Earth dist.	3452 Aug 15 19:54		2.61834 AU
	3448 Jan 01 11:30	0° <b>≈</b>			3452 Sep 02 11:54	0° <b>m</b> )	
evening set	3448 Jan 21 17:19	15° <b>≈</b> 33'51		morning rise	3452 Sep 13 16:55	7° m 12'39	
	3448 Feb 09 04:49	0° <b>∀</b>			3452 Oct 19 14:49	0∘ <b>ত</b>	
	3448 Mar 18 04:30	$0^{\circ}$ Y			3452 Dec 06 22:38	$0^{\circ}$ M	
					3453 Jan 26 00:35	0° <b>∡</b> 7	
conjunction	3448 Mar 28 01:00	7° <b>Y</b> 47'10			3453 Mar 21 22:49	0° <b>ろ</b>	
minimum elong	3448 Mar 28 04:17	7° <b>Y</b> 53'39	0°51'22	desc. node	3453 Apr 09 10:12	8° <b>る</b> 37'41	
max. Earth dist.	3448 Apr 25 08:57	0° <b>8</b>	2.37977 AU	retrograde	3453 Jun 04 00:37	23° <b>පි</b> 00'44 16° <b>පි</b> 36'35	4012127
max. Datui UISI.	3448 May 07 23:24 3448 Jun 03 14:52	9° <b>I</b>	4.31311 AU	opposition greatest brilliancy	3453 Jul 07 10:20 3453 Jul 08 15:43	16°る36'33	
morning rise	3448 Jun 06 18:46	2° <b>Ⅱ</b> 21'55		min. Earth dist.	3453 Jul 15 19:57	10 <b>3</b> 1229	0.45705 AU
asc. node	3448 Jun 21 22:38	13° <b>I</b> I35′06		direct	3453 Aug 12 21:08	8° <b>る</b> 47'55	
	3448 Jul 14 15:47	0°ಅ			3453 Oct 14 10:17	0° <b>≈</b>	
	3448 Aug 27 01:47	$0^{\circ}\Omega$			3453 Nov 29 19:00	0° <b>)</b> €	
	3448 Oct 12 13:19	0° <b>m</b>			3454 Jan 10 07:50	$0^{\circ}\Upsilon$	
	3448 Dec 03 00:27	0∘ <del>ত</del>		asc. node	3454 Feb 11 19:30	23° <b>Y</b> 53'15	
	3449 Feb 17 03:42	0°M			3454 Feb 20 04:01	0°8	
retrograde	3449 Mar 03 00:13	1°M06'21			3454 Apr 02 19:54	0° <b>Ⅱ</b>	
	3449 Mar 16 03:56	30° <b>₹</b> Ω			3454 May 16 00:28	0ంబె	

	3454 Jun 29 21:15	$0 {\circ} \Omega$			3459 Feb 17 22:58	0° <b>≈</b>	
evening set	3454 Jul 19 07:32	12° <b>Ω</b> 41′29			3459 Mar 30 01:39	0° <b>∀</b>	
	3454 Aug 15 03:15	0° <b>m</b>			3459 May 08 08:20	$0^{\circ}\mathbf{\Upsilon}$	
					3459 Jun 16 15:18	0° <b>႘</b>	
conjunction	3454 Sep 05 01:32	13° m 23'08	1°07'01		3459 Jul 27 04:21	$\Pi^{\circ}0$	
minimum elong	3454 Sep 05 01:59	13° m 23'52	1°07'01		3459 Sep 09 05:32	0°ಅ	
max. Earth dist.	3454 Sep 09 11:47	16° m 12'29	2.67140 AU	asc. node	3459 Oct 04 17:04	15° <b>©</b> 11'58	
	3454 Oct 01 03:56	0∘ <u>⊽</u>			3459 Nov 04 19:25	$0^{\circ}\Omega$	
morning rise	3454 Oct 19 23:40	11° <b>≙</b> 57'48		retrograde	3459 Dec 10 10:48	7° <b>Ω</b> 32'19	
	3454 Nov 17 08:09	0°M		min. Earth dist.	3460 Jan 12 19:59	0°Ω04'29	0.58531 AU
	3455 Jan 03 07:17	0°× <b>7</b> 1		mm. Darm dist.	3460 Jan 13 00:36	30°Rூ	0.50551710
	3455 Feb 19 02:12	∘ੰਤ		opposition	3460 Jan 18 19:09	27°543'30	4°07'30
desc. node	3455 Feb 25 09:40	4° <b>る</b> 02'26		greatest brilliancy	3460 Jan 17 21:11	28° <b>©</b> 05'09	-1.7m
desc. Hode		4 002 20 0°≈		-			-1./111
	3455 Apr 07 05:24			direct	3460 Feb 24 17:17	19° <b>©</b> 14'41	
	3455 May 26 09:55	0° <b>ℋ</b> 0° <b>Ƴ</b>			3460 Apr 11 20:50	0° <b>N</b>	
	3455 Jul 29 22:31				3460 Jun 12 16:50	0° <b>m</b>	
retrograde	3455 Aug 21 10:52	3° <b>Y</b> 07'46			3460 Aug 03 18:38	0∘ <b>⊽</b>	
	3455 Sep 13 04:15	30° <b>₹</b>			3460 Sep 21 02:45	0°M	
opposition	3455 Sep 20 13:49	28° <b>∺</b> 05'32		desc. node	3460 Oct 17 06:14	17°M02'02	
min. Earth dist.	3455 Sep 19 23:44		0.37125 AU		3460 Nov 05 13:52	0° <b>∡</b>	
greatest brilliancy	3455 Sep 20 15:21	28° <b>∺</b> 04'32	-3.0m	evening set	3460 Nov 09 09:55	2° <b>≯</b> 36'52	
direct	3455 Oct 20 02:41	23° <b>升</b> 11′07		max. Earth dist.	3460 Nov 24 16:07	13° <b>∡</b> 08'41	2.50978 AU
	3455 Nov 22 18:06	$0^{\circ}\mathbf{\Upsilon}$			3460 Dec 18 11:35	0°ප	
asc. node	3455 Dec 30 18:28	18° <b>Ƴ</b> 19'03					
	3456 Jan 19 17:46	$8^{\circ 0}$		conjunction	3460 Dec 29 19:58	8° <b>る</b> 12'37	-0°40'29
	3456 Mar 07 11:05	$\Pi^{\circ}0$		minimum elong	3460 Dec 29 18:21	8° <b>る</b> 09'40	0°40'28
	3456 Apr 23 01:24	0°€			3461 Jan 28 06:07	0° <b>≈</b>	
	3456 Jun 09 00:45	$0^{\circ}\Omega$		morning rise	3461 Feb 24 00:41	20° <b>≈</b> 22'40	
	3456 Jul 26 12:18	O° Mp			3461 Mar 08 11:38	0° <b>∀</b>	
evening set	3456 Aug 26 01:23	19° <b>m</b> 15'44			3461 Apr 15 21:58	$_{0}$ ° $\gamma$	
<i>8</i> - 11	3456 Sep 12 00:40	0∘ <del>⊽</del>			3461 May 24 09:19	0°8	
max. Earth dist.	3456 Oct 01 05:54	12° <b>Ω</b> 13'33	2.66981 AU		3461 Jul 02 20:03	0°Ⅱ	
					3461 Aug 13 08:11	0 . ಅ	
conjunction	3456 Oct 10 10:19	18° <b>ჲ</b> 05'53	0°46'46	asc. node	3461 Aug 21 15:05	5° <b>©</b> 44'19	
minimum elong	3456 Oct 10 11:24	18° <b>⊆</b> 07'37		use. node	3461 Sep 27 12:28	0° <b>Ω</b>	
minimum ciong	3456 Oct 28 22:03	0°M	0 4045		3461 Nov 20 13:32	0° <b>m</b> )	
morning rise	3456 Nov 23 16:40	16°M47'35		retrograde	3462 Jan 14 19:12	15° Mp 01'43	
morning risc	3456 Dec 13 16:21	0° <b>√</b>		min. Earth dist.	3462 Feb 21 20:41	5° My 59'07	0.66306 AU
daga mada						-•	
desc. node	3457 Jan 12 07:59	19° <b>メ</b> 55'40 0° <b>る</b>		opposition	3462 Feb 24 00:59	5° Mp 06'41 5° Mp 15'31	4°34'11
	3457 Jan 27 02:06			greatest brilliancy	3462 Feb 23 16:10	-•	-1.5111
	3457 Mar 11 04:15	0° <b>≈</b>			3462 Mar 09 18:01	30°RΩ	
	3457 Apr 22 04:13	0° <b>)</b> €		direct	3462 Apr 04 19:49	25° <b>Ω</b> 38′26	
	3457 Jun 02 16:00	0° <b>Υ</b>			3462 May 03 14:29	0° <b>m</b> y	
	3457 Jul 15 01:34	0° <b>8</b>			3462 Jul 11 09:10	0∘ <b>⊽</b>	
	3457 Sep 01 00:31	0° <b>I</b> I			3462 Sep 01 00:55	0°M₊	
retrograde	3457 Oct 26 10:39	17° <b>Ⅲ</b> 37′00		desc. node	3462 Sep 04 05:04	1°M57'56	
asc. node	3457 Nov 16 17:20	14° <b>Ⅱ</b> 20′23			3462 Oct 17 11:09	0° <b>∡</b>	
min. Earth dist.	3457 Nov 23 05:04	12° <b>Ⅱ</b> 17'22			3462 Nov 29 10:34	0°る	
opposition	3457 Dec 01 12:54	9° <b>Ⅱ</b> 23'33	0°51'49	evening set	3462 Dec 28 16:40	21° <b>る</b> 32'27	
greatest brilliancy	3457 Dec 01 05:37	9° <b>Ⅱ</b> 29'55	-2.4m		3463 Jan 08 21:33	0° <b>≈</b>	
direct	3458 Jan 03 05:52	2° <b>Ⅱ</b> 43′02		max. Earth dist.	3463 Jan 26 19:16	13° <b>≈</b> 43'35	2.38271 AU
	3458 Mar 24 16:22	0			3463 Feb 16 16:45	0° <b>∀</b>	
	3458 May 17 09:16	$0 ^{\circ} \Omega$					
	3458 Jul 06 17:55	0° <b>m</b> p		conjunction	3463 Feb 28 00:08	8° <b>升</b> 53′09	-1°04'05
	3458 Aug 24 13:00	0∘ <b>ত</b>		minimum elong	3463 Feb 28 01:05	8° <b>升</b> 55′01	1°04'04
evening set	3458 Oct 01 19:38	24° <b>≏</b> 14'27			3463 Mar 26 17:50	$0^{\circ}$ Y	
	3458 Oct 10 17:46	0°M			3463 May 03 22:30	0° <b>႘</b>	
max. Earth dist.	3458 Oct 25 20:35	9° <b>M</b> 51'40	2.61434 AU	morning rise	3463 May 09 19:01	4° <b>8</b> 32'45	
					3463 Jun 12 03:32	$\Pi^{\circ}0$	
conjunction	3458 Nov 16 19:01	24°M25'26	0°07'39	asc. node	3463 Jul 09 13:58	20° <b>Ⅱ</b> 14'35	
minimum elong	3458 Nov 16 19:18	24°M25'54			3463 Jul 23 04:00	0ಂಣ	
behind sun begin	3458 Nov 16 01:52	23°M56'42			3463 Sep 04 17:44	$0^{\circ}\Omega$	
behind sun end	3458 Nov 17 12:43	24°M55'08			3463 Oct 21 23:29	0° my	
	3458 Nov 25 01:36	0° <b>∡</b> 7			3463 Dec 15 20:28	0∘ <b>⊽</b>	
desc. node	3458 Nov 30 06:43	3° <b>∡</b> ³32'16		retrograde	3464 Feb 18 04:16	18° <b>≏</b> 23'38	
morning rise	3459 Jan 02 21:17	26° <b>₹</b> 48'12		opposition	3464 Mar 29 01:09	8° <b>£</b> 55'21	3°35'00
	3459 Jan 07 09:58	20 x 46 12 0°る		greatest brilliancy	3464 Mar 29 06:18	8° <b>⊆</b> 50'15	
	5 157 Juli 07 07.50	ÿ <b>)</b>		51-carest offiliancy	5 10 1 11th 27 00.10	5 - 30 13	1.5111

min Forth dist	2464 Mar. 20, 17:47	00 <b>0</b> 15104	0.67561 ATT		2460 Apr. 11 01:54	о∘π	
min. Earth dist.	3464 Mar 30 17:47 3464 Apr 26 13:06	8° <u>≥</u> 213'04 30°R, <b>m</b> )	0.67561 AU		3469 Apr 11 01:54 3469 May 23 15:09	0° <b>Ⅱ</b> 0° <b>©</b>	
direct	3464 May 09 07:35	28° Mg 57'16		evening set	3469 Jul 02 12:39	0 S 27°S00'51	
uncet	3464 May 22 18:46	20 ಗ್ರು37 10 0° <u>೧</u>		evening set	3469 Jul 07 00:31	0°Ω	
desc. node	3464 Jul 22 03:20	0 <b>—</b> 21° <b>≏</b> 47'00			5407 Jul 07 00.51	0 00	
dese. Hode	3464 Aug 06 17:34	0°M		conjunction	3469 Aug 21 03:47	29° <b>Ω</b> 28'03	1°08'18
	3464 Sep 25 12:32	0°×7		minimum elong	3469 Aug 21 03:39	29° <b>Ω</b> 27'50	1°08'19
	3464 Nov 08 10:23	0°ਰ			3469 Aug 21 23:37	0° m)	
	3464 Dec 19 01:34	0° <b>≈</b>		max. Earth dist.	3469 Aug 31 05:15	5° m) 56'14	2.65716 AU
	3465 Jan 26 19:17	0° <b>)</b> €		morning rise	3469 Oct 06 04:55	28° m) 52'57	
evening set	3465 Mar 04 17:34	29° <b>)</b> 10′07		C	3469 Oct 07 23:12	0∘ <u>⊽</u>	
•	3465 Mar 05 18:49	$0^{\circ}$ $\Upsilon$			3469 Nov 24 10:50	0°M	
	3465 Apr 13 00:14	0°8			3470 Jan 11 06:25	0° <b>∡</b> ¹	
	•				3470 Feb 28 21:19	ರ∘ರ	
conjunction	3465 May 12 02:27	22° <b>8</b> 17'57	-0°09'42	desc. node	3470 Mar 14 00:01	7° <b>る</b> 54'00	
minimum elong	3465 May 12 03:19	22° <b>8</b> 19'35	0°09'42		3470 Apr 21 05:14	0° <b>≈</b>	
behind sun begin	3465 May 11 04:37	21° <b>8</b> 36'42			3470 Jun 29 07:47	0° <b>)</b>	
behind sun end	3465 May 13 02:01	23° <b>8</b> 02'26		retrograde	3470 Jul 19 15:49	2° <b>)</b> 27′29	
	3465 May 22 08:17	$\Pi^{\circ}0$			3470 Aug 08 20:44	30° <b>R</b> ≈	
asc. node	3465 May 26 14:06	3° <b>Ⅱ</b> 09'48		opposition	3470 Aug 19 03:56	27° <b>≈</b> 19'44	-6°38'44
max. Earth dist.	3465 Jun 29 22:17	28° <b>Ⅱ</b> 11'32	2.45997 AU	greatest brilliancy	3470 Aug 20 07:02	27° <b>≈</b> 00'51	-2.8m
	3465 Jul 02 11:11	$0$ $\circ$		min. Earth dist.	3470 Aug 23 20:29	26° <b>≈</b> 01'37	0.38754 AU
morning rise	3465 Jul 14 13:25	8° <b>©</b> 32'16		direct	3470 Sep 19 21:31	21° <b>≈</b> 39′00	
	3465 Aug 14 19:06	$0$ ° $\Omega$			3470 Oct 26 14:53	0° <b>)</b>	
	3465 Sep 29 14:42	0° <b>m</b>			3470 Dec 19 21:13	$0^{\circ}$ Y	
	3465 Nov 17 11:48	0∘ <b>⊽</b>		asc. node	3471 Jan 16 10:44	18° <b>Ƴ</b> 09'30	
	3466 Jan 11 09:20	0°M₊			3471 Feb 02 22:25	$0$ $\circ$ 8	
retrograde	3466 Mar 26 12:08	22°M34'16			3471 Mar 18 23:37	$\Pi$ °0	
opposition	3466 May 03 19:24	13°M55'50	1°23'59		3471 May 02 17:49	0ංම	
greatest brilliancy	3466 May 04 02:44	13° <b>M</b> 48'47	-1.5m		3471 Jun 17 15:51	$0^{\circ}\Omega$	
min. Earth dist.	3466 May 09 05:57	11°M50'21	0.62218 AU		3471 Aug 03 13:06	0° <b>m</b> )	
desc. node	3466 Jun 09 01:55	4° <b>™</b> 08'10		evening set	3471 Aug 12 12:12	5° Mp 41'42	
direct	3466 Jun 14 00:24	3°M58'36			3471 Sep 19 19:12	0∘ <b>⊽</b>	
	3466 Aug 29 15:01	0° <b>∡</b> 7		max. Earth dist.	3471 Sep 23 11:02	2° <b>₽</b> 19'34	2.67695 AU
	3466 Oct 16 16:22	0°る					
	3466 Nov 27 14:12	0° <b>≈</b>		conjunction	3471 Sep 27 10:20	4° <b>£</b> 51'05	
	3467 Jan 05 20:35	0° <b>)</b> €		minimum elong	3471 Sep 27 11:20	4° <b>£</b> 52'40	0°57'12
	3467 Feb 13 04:39	0° <b>Υ</b>			3471 Nov 05 17:42	0°M,	
1	3467 Mar 23 19:23	0°8		morning rise	3471 Nov 10 13:57	3°M07'23	
asc. node	3467 Apr 13 12:52	15° <b>8</b> 46'18		JJ.	3471 Dec 21 20:30	0° 🗷	
	3467 May 02 14:32	0°П 7°П 25/52		desc. node	3472 Jan 29 23:33	25° <b>₹</b> 59'12	
evening set	3467 May 12 17:24 3467 Jun 13 04:45	7° <b>Ⅱ</b> 25'52 0° <b>©</b>			3472 Feb 04 22:56 3472 Mar 20 02:41	್ %%	
	3407 Juli 13 04.43	0 3			3472 May 02 14:39	0 <b>≈</b> 0° <b>∺</b>	
conjunction	3467 Jul 09 14:09	18° <b>©</b> 18'47	0°40'13		3472 Jun 15 09:04	0° <b>Υ</b>	
minimum elong	3467 Jul 09 12:19	18° <b>©</b> 15'40			3472 Aug 01 19:20	0°8	
minimum ciong	3467 Jul 26 19:57	0°Ω	0 4711	retrograde	3472 Oct 03 20:34	21° <b>8</b> 48'01	
max. Earth dist.	3467 Aug 06 02:17		2.58275 AU	min. Earth dist.	3472 Oct 30 07:54		0.40849 AU
morning rise	3467 Aug 30 08:24	22° <b>Ω</b> 49'17	2.00270110	opposition	3472 Nov 06 14:29	14° <b>8</b> 55'07	
	3467 Sep 10 10:17	0° m)		greatest brilliancy	3472 Nov 06 04:36	15° <b>8</b> 02'51	
	3467 Oct 27 18:17	0∘ <b>⊽</b>		asc. node	3472 Dec 03 09:55	9° <b>8</b> 17'39	2.7111
	3467 Dec 15 23:07	0°M		direct	3472 Dec 07 07:39	9° <b>8</b> 11'31	
	3468 Feb 06 16:26	0° <b>₹</b>			3473 Feb 11 17:33	0°II	
	3468 Apr 16 19:46	0°ಕ			3473 Apr 06 14:14	0ංම	
desc. node	3468 Apr 26 00:53	1° <b>る</b> 57'08			3473 May 26 11:02	$0^{\circ}\Omega$	
retrograde	3468 May 11 12:36	3° <b>⋜</b> 19'54			3473 Jul 14 08:42	0° <b>m</b> )	
-	3468 Jun 03 16:16	30°R. <b>✓</b>			3473 Aug 31 12:48	0∘ <u>⊽</u>	
opposition	3468 Jun 15 16:37	26° <b>₹</b> '07'04	-2°19'34	evening set	3473 Sep 17 10:56	10° <b>≏</b> 41'43	
greatest brilliancy	3468 Jun 16 09:04	25° <b>₹</b> 52'32	-2.1m	max. Earth dist.	3473 Oct 15 20:52	28° <b>≏</b> 54'22	2.64253 AU
min. Earth dist.	3468 Jun 23 23:52	23° <b>∡</b> 11'51	0.51001 AU		3473 Oct 17 13:23	0° <b>M</b> .	
direct	3468 Jul 24 07:36	17° <b>∡</b> 16′28					
	3468 Sep 09 18:13	ರ∘ರ		conjunction	3473 Nov 01 19:33	9° <b>M</b> 56'42	0°24'36
	3468 Oct 30 13:47	0° <b>≈</b>		minimum elong	3473 Nov 01 20:19	9° <b>M</b> 57'57	0°24'35
	3468 Dec 11 14:16	0° <b>∀</b>			3473 Dec 02 00:10	0° <b>∡</b> ⊓	
	3469 Jan 20 10:24	$0^{\circ}$ Y		desc. node	3473 Dec 16 22:20	10° <b>∡</b> °06'49	
asc. node	3469 Feb 28 10:58	29° <b>Y</b> 25'50		morning rise	3473 Dec 17 06:29	10° <b>х</b> 20′43	
	3469 Mar 01 05:15	0°8			3474 Jan 14 16:43	ರ∘ರ	

	2474 F 1 25 17 22	00		T'	2470 4 26 17 55	1.60 m. 1.5100	
	3474 Feb 25 17:23	0°≈		direct	3479 Apr 26 17:55	16° m 15'09	
	3474 Apr 07 09:20	0° <b>∀</b>			3479 Jun 20 15:44	0∘ <b>ত</b>	
	3474 May 17 05:45	0° <b>Υ</b>		desc. node	3479 Aug 08 18:36	24° <b>≙</b> 48'43	
	3474 Jun 26 04:38	0°8			3479 Aug 17 18:31	0° <b>M</b>	
	3474 Aug 06 20:51	$\Pi^{\circ}0$			3479 Oct 04 17:58	0° <b>∡</b> ″	
	3474 Sep 23 10:39	$0$ $\circ$ $\odot$			3479 Nov 17 03:51	0° <b>ප</b>	
asc. node	3474 Oct 21 08:02	13° <b>©</b> 15'42			3479 Dec 27 16:01	0° <b>≈</b>	
retrograde	3474 Nov 24 12:35	20° <b>©</b> 29'33			3480 Feb 04 09:22	0° <b>ℋ</b>	
min. Earth dist.	3474 Dec 25 18:08	13° <b>©</b> 48'22	0.53936 AU	evening set	3480 Feb 05 13:42	0° <b>)</b> 55′42	
greatest brilliancy	3475 Jan 01 01:50	11° <b>©</b> 22'58	-2.0m		3480 Mar 13 08:33	$0$ ° $\mathbf{\Upsilon}$	
opposition	3475 Jan 02 00:09	11° <b>©</b> 01'31	3°20'10				
direct	3475 Feb 06 10:20	3° <b>©</b> 07'35		conjunction	3480 Apr 13 17:51	24° <b>Ƴ</b> 42'37	-0°38'07
	3475 Apr 29 04:29	$0^{\circ}\Omega$		minimum elong	3480 Apr 13 21:04	24° <b>Ƴ</b> 48'53	0°38'05
	3475 Jun 23 00:05	0° <b>m</b>			3480 Apr 20 12:45	$8^{\circ}$	
	3475 Aug 12 09:36	0∘ <b>ত</b>			3480 May 29 18:35	$\Pi^{\circ}0$	
	3475 Sep 29 04:19	0°M,		max. Earth dist.	3480 Jun 03 23:57	3° <b>Ⅱ</b> 54'15	2.40589 AU
evening set	3475 Oct 25 07:27	17°M05'12		asc. node	3480 Jun 12 05:48	10° <b>Ⅱ</b> 00'58	
desc. node	3475 Nov 03 21:02	23°M28'21		morning rise	3480 Jun 21 12:07	16° <b>Ⅱ</b> 48'40	
max. Earth dist.	3475 Nov 12 10:18		2.55619 AU		3480 Jul 09 19:02	0ංම 	
man. Darut dige.	3475 Nov 13 13:05	0° <b>⊼</b>	2.00019110		3480 Aug 22 02:51	$0^{\circ}\Omega$	
	31731101 13 13.03	0 %			3480 Oct 07 05:51	0° <b>m</b> )	
conjunction	3475 Dec 12 08:42	19° <b>∡</b> 54'41	-0°21'55		3480 Nov 26 10:25	0∘ <b>ಹ</b> ೧.11%	
minimum elong	3475 Dec 12 08:42 3475 Dec 12 07:49	19° 🖈 5441			3481 Jan 27 07:31	0° <b>™</b>	
minimum elong		0°る	0 21 33			9° <b>M</b> .04'04	
	3475 Dec 26 14:15			retrograde	3481 Mar 11 07:16		2022155
morning rise	3476 Feb 01 21:44	27° <b>る</b> 13'25		opposition	3481 Apr 19 08:53	0°M02'54	2°23'55
	3476 Feb 05 15:09	0° <b>≈</b>			3481 Apr 19 11:51	30° <b>₹</b> Ω	
	3476 Mar 16 03:48	0° <b>)</b> €		greatest brilliancy	3481 Apr 19 17:38	29° <b>£</b> 54'21	-1.4m
	3476 Apr 23 20:24	0° <b>Υ</b>		min. Earth dist.	3481 Apr 23 08:49	28° <b>≙</b> 29'15	0.65083 AU
	3476 Jun 01 12:58	0°8		direct	3481 May 30 19:33	20° <b>≏</b> 00'35	
	3476 Jul 11 05:25	$\Pi^{\circ}0$		desc. node	3481 Jun 25 16:59	23° <b>£</b> 44'34	
	3476 Aug 22 05:32	0			3481 Jul 14 06:43	0° <b>M</b>	
asc. node	3476 Sep 07 07:57	10° <b>©</b> 48'41			3481 Sep 10 04:36	0° <b>∡</b> 7	
	3476 Oct 08 02:10	$0 {\circ} \Omega$			3481 Oct 25 20:28	0°ප	
	3476 Dec 16 21:00	0° <b>m</b>			3481 Dec 06 01:22	0° <b>≈</b>	
retrograde	3477 Jan 01 04:56	1° <b>™</b> 28'43			3482 Jan 14 00:30	0° <b>∀</b>	
	3477 Jan 15 18:47	$30^{\circ}$ R $\Omega$			3482 Feb 21 03:28	$0$ ° $\Upsilon$	
min. Earth dist.	3477 Feb 06 14:00	22° <b>Ω</b> 59'24	0.64011 AU		3482 Mar 31 12:56	$_{0\circ}$ 8	
opposition	3477 Feb 10 06:54	21° <b>Ω</b> 30′24	4°36'34	evening set	3482 Apr 17 17:23	13° <b>8</b> 10'42	
greatest brilliancy	3477 Feb 09 15:57	21° <b>Ω</b> 45'22	-1.4m	asc. node	3482 Apr 30 05:11	22° <b>8</b> 37'18	
direct	3477 Mar 21 03:10	12° <b>Ω</b> 21'14			3482 May 10 02:10	$\mathbf{u}^{\circ}$	
	3477 May 24 03:18	0° <b>m</b>			·		
	3477 Jul 20 21:18	0∘ <u>⊽</u>		conjunction	3482 Jun 19 04:29	29° <b>Ⅱ</b> 07'05	0°31'08
	3477 Sep 08 19:44	0°M		minimum elong	3482 Jun 19 02:40	29° <b>II</b> 03'53	0°31'07
desc. node	3477 Sep 20 19:47	7°M37'23		8	3482 Jun 20 10:21	0°9	
acco. noac	3477 Oct 24 18:16	0° <b>∡</b> 7		max. Earth dist.	3482 Jul 25 01:22		2.53977 AU
	3477 Dec 06 15:57	°5		max. Earth dist.	3482 Aug 02 21:08	0°Ω	2.33777110
evening set	3477 Dec 00 13:57 3477 Dec 07 18:54	0° <b>る</b> 48'37		morning rise	3482 Aug 13 17:14	7° <b>Ω</b> 15'38	
max. Earth dist.	3477 Dec 07 18:54 3477 Dec 23 18:51		2.43025 AU	morning rise	3482 Sep 17 11:07	0° <b>m</b> )	
max. Lattii dist.	3478 Jan 16 05:15	0°≈	2.43023 AO		3482 Nov 04 04:18	0° <del>ت</del>	
	5476 Jan 10 05.15	0 ~			3482 Dec 24 17:28	0° <b>m</b>	
· · · · · · · · · · · ·	2470 E-L 01 22.22	1200 045157	1902100			0° <b>⊼</b> 7	
conjunction	3478 Feb 01 22:32	12°≈45'57			3483 Feb 20 14:06		
minimum elong	3478 Feb 01 21:14	12°≈43'26	1°02'09	retrograde	3483 Apr 22 10:54	16° <b>₹</b> 20'24	
	3478 Feb 24 03:54	0° <b>∀</b>		desc. node	3483 May 13 16:02	13°×730'05	0020155
	3478 Apr 03 07:52	0° <b>Υ</b>		opposition	3483 May 29 01:20	8° <b>∡</b> 128'12	
morning rise	3478 Apr 08 19:27	4° <b>Υ</b> 19'06		greatest brilliancy	3483 May 29 05:39	8° <b>∡</b> 724'12	
	3478 May 11 14:14	0°8		min. Earth dist.	3483 Jun 05 11:12	5° <b>∡</b> 744'10	0.55959 AU
	3478 Jun 19 20:02	0° <b>Ⅱ</b>			3483 Jun 25 22:43	30°RM₊	
asc. node	3478 Jul 26 07:36	26° <b>Ⅱ</b> 43'26		direct	3483 Jul 08 02:25	28°M59'13	
	3478 Jul 30 22:07	0ಂ <b>ತಾ</b>			3483 Jul 20 16:39	0° <b>∡</b>	
	3478 Sep 12 19:48	$0$ $^{\circ}$ $\Omega$			3483 Sep 28 08:24	0° <b>ප</b>	
	3478 Oct 31 09:18	0° <b>™</b>			3483 Nov 12 03:32	0° <b>≈</b>	
	3479 Jan 03 00:23	0∘ <b>ত</b>			3483 Dec 22 12:49	0° <b>)</b> €	
retrograde	3479 Feb 04 17:56	5° <b>£</b> 46'04			3484 Jan 30 12:44	$0^{\circ}\mathbf{\Upsilon}$	
	3479 Mar 06 17:12	30°R Mp			3484 Mar 09 16:36	$0^{\circ}S$	
opposition	3479 Mar 16 21:24	26° Mp 04'34	4°06'16	asc. node	3484 Mar 17 04:15	5° <b>8</b> 39'10	
greatest brilliancy	3479 Mar 16 21:47	26°Mp04'12	-1.3m		3484 Apr 19 00:13	$\Pi^{\circ}0$	
min. Earth dist.	3479 Mar 17 01:35	26° Mp 00'24	0.67851 AU		3484 May 31 01:55	0ංම	

evening set	3484 Jun 14 03:22	9°543'35			3489 May 26 23:37	$0^{\circ}\mathbf{\Upsilon}$	
	3484 Jul 14 02:12	$0$ $^{\circ}$ $\Omega$			3489 Jul 07 04:08	$0^{\circ}S$	
					3489 Aug 20 11:22	$\Pi^{\circ}0$	
conjunction	3484 Aug 05 07:58	14° <b>Ω</b> 42'40			3489 Oct 27 14:15	0ಂತ	
minimum elong	3484 Aug 05 07:07	14° <b>Ω</b> 41'18		retrograde	3489 Nov 06 16:06	0°9543'27	
max. Earth dist.	3484 Aug 21 15:38		2.63441 AU	asc. node	3489 Nov 07 02:05	0°943'23	
	3484 Aug 28 20:00	0° <b>m</b>			3489 Nov 16 11:31	30°RⅡ	
morning rise	3484 Sep 22 01:08	15° mp 31'51		min. Earth dist.	3489 Dec 05 15:10	24° <b>∏</b> 54'20	0.48703 AU
	3484 Oct 14 20:38	0∘ <b>⊽</b>		opposition	3489 Dec 13 18:36	21° <b>Ⅱ</b> 56'27	1°58'31
	3484 Dec 01 19:35	0°M		greatest brilliancy	3489 Dec 13 02:55	22° <b>I</b> I10'47	-2.3m
	3485 Jan 19 21:15	0° <b>∡</b> 7		direct	3490 Jan 16 11:43	14° <b>Ⅱ</b> 47'05	
1 1	3485 Mar 12 15:36	0°궁 9°궁37'33			3490 Mar 13 20:35	$0 {\circ} {\mathfrak C}$	
desc. node	3485 Mar 30 15:57				3490 May 10 20:38		
rotro aro do	3485 May 16 01:12 3485 Jun 19 07:06	0° <b>≈</b> 6° <b>≈</b> 13'13			3490 Jul 01 10:05	0° <b>ट</b> 0° क्र	
retrograde opposition	3485 Jul 21 12:00	0 ≈13 13 0°≈19'10	5018113		3490 Aug 19 17:02 3490 Oct 06 02:42	0°M	
opposition	3485 Jul 22 12:46	0 ≈1910 30°Rる	-5 16 15	evening set	3490 Oct 00 02:42 3490 Oct 10 04:42	2°M38'45	
greatest brilliancy	3485 Jul 22 22:09	29°る52'42	-2.5m	max. Earth dist.	3490 Oct 31 22:47	16°M55'07	2.59569 AU
min. Earth dist.	3485 Jul 29 07:09	29 <b>3</b> 5242 27° <b>る</b> 54'49	0.42852 AU	desc. node	3490 Oct 31 22:47 3490 Nov 20 11:56	0° <b>₹</b> 01'24	2.39309 AU
direct	3485 Aug 25 10:08	27 රි3449 23° <b>රි</b> 14'49	0.42632 AC	desc. node	3490 Nov 20 11:06	0°×7	
direct	3485 Sep 26 23:00	0°≈			3470 NOV 20 11.00	0 ^	
	3485 Nov 20 18:05	0° <b>)</b> €		conjunction	3490 Nov 25 17:24	3° <b>∡</b> ³34'27	-0°03'01
	3486 Jan 03 04:28	0°Υ		minimum elong	3490 Nov 25 17:18	3° <b>×</b> <sup>3</sup> 127	
asc. node	3486 Feb 02 02:11	21° <b>Υ</b> 28'00		behind sun begin	3490 Nov 24 21:41	3° <b>х</b> 00′54	0 00 01
	3486 Feb 13 23:12	0°8		behind sun end	3490 Nov 26 12:56	4° <b>×</b> <sup>7</sup> 07'43	
	3486 Mar 28 05:54	0°II			3491 Jan 02 17:09	ರ°0	
	3486 May 10 20:45	0ಂಣ		morning rise	3491 Jan 13 01:56	7° <b>る</b> 24'05	
	3486 Jun 25 00:50	$0^{\circ}\Omega$		C	3491 Feb 13 01:44	0° <b>≈</b>	
evening set	3486 Jul 28 08:50	21° <b>Ω</b> 35′59			3491 Mar 24 23:07	0° <b>)</b> €	
	3486 Aug 10 11:10	0° <b>m</b>			3491 May 02 24:00	$0$ ° $\mathbf{\Upsilon}$	
					3491 Jun 11 00:31	$_{0\circ}$ 8	
conjunction	3486 Sep 13 07:27	21°M 34'53	1°04'26		3491 Jul 21 03:32	$\Pi$ $^{\circ}0$	
minimum elong	3486 Sep 13 08:09	21°M 36'00	1°04'26		3491 Sep 02 03:16	0ංම	
max. Earth dist.	3486 Sep 14 16:51	22° Mp 28'01	2.67581 AU	asc. node	3491 Sep 25 00:23	14° <b>©</b> 30'04	
	3486 Sep 26 13:05	0∘ <b>⊽</b>			3491 Oct 22 20:36	$0^{\circ}\Omega$	
morning rise	3486 Oct 27 19:34	19° <b>≏</b> 54'29		retrograde	3491 Dec 18 23:34	16° <b>Ω</b> 54'25	
	3486 Nov 12 14:46	0°M₊		min. Earth dist.	3492 Jan 22 11:40	9° <b>Ω</b> 03'18	0.60739 AU
	3486 Dec 29 05:37	0° <b>∡</b> ″		opposition	3492 Jan 27 16:11	6° <b>Ω</b> 59'38	4°23'49
	3487 Feb 13 07:42	0°₹		greatest brilliancy	3492 Jan 26 20:05	7° <b>Ω</b> 19'38	-1.6m
desc. node	3487 Feb 15 14:46	1° <b>る</b> 30'04			3492 Feb 18 01:16	30° <b>₹</b> 55	
	3487 Mar 31 02:54	0°≈		direct	3492 Mar 05 08:26	28°514'50	
	3487 May 16 09:25	0° <b>)</b> €			3492 Mar 22 20:31	$\Omega^{\circ}\Omega$	
	3487 Jul 05 06:05	0° <b>γ</b>			3492 Jun 05 19:42	0° <b>™</b>	
retrograde	3487 Sep 07 17:14	21° <b>Y</b> 31'53	0.37613 AU		3492 Jul 29 09:47	0∘ <b>™</b>	
min. Earth dist.	3487 Oct 05 06:33 3487 Oct 08 19:38	17° <b>Υ</b> 01'24 16° <b>Υ</b> 02'38		JJ.	3492 Sep 16 06:12	0°M	
opposition	3487 Oct 08 19:38 3487 Oct 08 09:39		-4°47'03	desc. node	3492 Oct 07 10:49 3492 Oct 31 21:33	13° <b>M.</b> 41'28 0° <b>∡</b> 7	
greatest brilliancy direct	3487 Oct 08 09:39 3487 Nov 07 08:17	10° γ 09'33 11° <b>Υ</b> 03'44	-2.711I	evening set	3492 Oct 31 21:33 3492 Nov 19 04:40	0° <b>×</b> ° 12° <b>×</b> <sup>7</sup> 34'27	
asc. node	3487 Dec 21 02:11	21° <b>Υ</b> 48'05		max. Earth dist.	3492 Dec 03 16:58	22° <b>×</b> <sup>7</sup> 46'18	2.48232 AU
300. 110 <b>u</b> c	3488 Jan 07 10:01	0° <b>8</b>		Zurur dist.	3492 Dec 13 19:49	0°중	20202 110
	3488 Feb 28 18:52	0°II			3.,2.500 13 17.47	ů <b>O</b>	
	3488 Apr 16 23:52	0°50		conjunction	3493 Jan 10 07:35	20° <b>ට</b> 06'12	-0°50'02
	3488 Jun 03 18:16	$0^{\circ}\Omega$		minimum elong	3493 Jan 10 05:46	20° <b>る</b> 02'49	
	3488 Jul 21 15:59	0° my		3	3493 Jan 23 12:53	0° <b>≈</b>	
evening set	3488 Sep 03 06:21	27° m 23'40			3493 Mar 03 16:10	0° <b>)</b> €	
-	3488 Sep 07 09:17	0∘ <u>⊽</u>		morning rise	3493 Mar 10 16:59	5° <b>)</b> 28'44	
max. Earth dist.	3488 Oct 06 12:20	18° <b>≙</b> 32'05	2.66239 AU	_	3493 Apr 10 23:56	$0$ ° $\mathbf{\Upsilon}$	
					3493 May 19 08:47	$9^{\circ}$ 8	
conjunction	3488 Oct 18 12:02	26° <b>£</b> 14'22	0°39'20	greatest brilliancy	3493 May 25 05:27	4° <b>8</b> 32'05	1.2m
minimum elong	3488 Oct 18 13:04	26° <b>≏</b> 16′02	0°39'20		3493 Jun 27 16:35	$\Pi^{\circ}0$	
	3488 Oct 24 07:43	$0^{\circ}$ M			3493 Aug 07 22:52	0ංම	
morning rise	3488 Dec 02 00:34	25°M22'31		asc. node	3493 Aug 11 23:19	2°549'09	
	3488 Dec 08 23:09	0°⊀			3493 Sep 21 11:22	$0$ $\circ$ $\Omega$	
desc. node	3489 Jan 02 13:03	16° <b>∡</b> ³34'45			3493 Nov 11 13:33	0° <b>m</b> ∕	
	3489 Jan 22 02:26	0°ಕ		retrograde	3494 Jan 22 11:05	22° <b>m</b> 59'33	
	3489 Mar 05 18:33	0° <b>≈</b>		min. Earth dist.	3494 Mar 02 09:03	13° m/40'38	0.67136 AU
	3489 Apr 16 05:25	0° <b>)</b> €		opposition	3494 Mar 03 17:28	13° <b>m</b> 08'10	4°27'10

greatest brilliancy direct	3494 Mar 03 12:03 3494 Apr 12 23:11 3494 Jul 04 06:10	13° Mp 13'35 3° Mp 31'19 0° <u>∩</u>	-1.3m	evening set	3499 May 25 14:47 3499 Jun 08 09:19	20°∏14'53 0°©	
desc. node	3494 Aug 25 09:24 3494 Aug 26 14:02	0 — 29° <b>Ω</b> 16'34 0° <b>M</b> 0° <b>X</b>		conjunction minimum elong	3499 Jul 20 05:01 3499 Jul 20 03:30	28°\$43'29 28°\$40'55 0°Ω	0°56'45 0°56'44
	3494 Oct 12 12:01 3494 Nov 24 15:15 3495 Jan 04 02:58	5°0 %≈		max. Earth dist.	3499 Jul 22 02:36 3499 Aug 12 12:58 3499 Sep 05 16:59	14° <b>Ω</b> 14'34 0° Mp	2.60351 AU
evening set	3495 Jan 10 21:11 3495 Feb 11 21:49	5°≈09'14 0° <b>)</b>		morning rise	3499 Sep 08 06:42 3499 Oct 22 21:03 3499 Dec 10 12:18	1° <b>ሙ</b> 39'35 0° <b>亞</b> 0° <b>ጤ</b>	
conjunction	3495 Mar 16 02:53	25° <b>¥</b> 24'32			3500 Jan 30 12:11	0° <b>∡</b> ¹	
minimum elong max. Earth dist.	3495 Mar 16 05:23 3495 Mar 18 09:55	25° <b>¥</b> 29'30 27° <b>¥</b> 13'23	0°58'44 2.36941 AU	desc. node	3500 Mar 30 00:56 3500 Apr 17 06:04	0°궁 7° <b>궁</b> 09'45	
max. Lartii dist.	3495 Mar 21 22:11	0° <b>Υ</b>	2.50)41 AU	retrograde	3500 Apr 17 00:04 3500 May 25 07:10	14°る33'20	
	3495 Apr 29 02:20	$9^{\circ}$ 8		opposition	3500 Jun 28 13:08	7° <b>る</b> 46'18	-3°23'24
morning rise	3495 May 26 12:56	21° <b>8</b> 07'25		greatest brilliancy	3500 Jun 29 13:17	7° <b>る</b> 25'45	-2.2m
	3495 Jun 07 06:57	$\Pi$ °0		min. Earth dist.	3500 Jul 07 01:42	4° <b>ප</b> 53'19	0.48087 AU
asc. node	3495 Jun 29 23:07	16° <b>Ⅱ</b> 47'45			3500 Jul 27 04:43	30°R <b>✓</b>	
	3495 Jul 18 06:06	0° <b>U</b> 0°©		direct	3500 Aug 05 02:18	29° <b>∡</b> 26'51	
	3495 Aug 30 15:46 3495 Oct 16 07:43	0° <b>m</b> )			3500 Aug 14 03:00 3500 Oct 22 17:10	0° <b>そ</b>	
	3495 Dec 07 18:56	0∘ <del>ت</del> المار			3500 Dec 05 15:55	0° <b>∺</b>	
retrograde	3496 Feb 26 01:04	26° <b>♀</b> 07'34			3501 Jan 15 07:30	0° <b>Υ</b>	
opposition	3496 Apr 05 16:22	16° <b>≙</b> 47'47	3°11'55	asc. node	3501 Feb 19 19:47	26° <b>Ƴ</b> 28'28	
greatest brilliancy	3496 Apr 05 23:23	16° <b>≏</b> 40'51	-1.3m		3501 Feb 24 14:07	$9^{\circ}$ 8	
min. Earth dist.	3496 Apr 08 04:38	15° <b>≏</b> 48'18	0.66957 AU		3501 Apr 06 19:35	0°II	
direct	3496 May 17 02:05	6° <b>Ω</b> 46'48			3501 May 19 15:26	0° <b>©</b>	
desc. node	3496 Jul 12 08:39 3496 Jul 30 03:38	21° <b>Ω</b> 27'56 0° <b>I</b> L		evening set	3501 Jul 03 05:45 3501 Jul 13 06:53	0° <b>Ω</b> 6° <b>Ω</b> 36'52	
	3496 Sep 19 19:51	0° <b>∡</b> 7		evening set	3501 Aug 18 07:35	0° <b>m</b> )	
	3496 Nov 03 06:11	0°ਰ			500111 <b>ug</b> 10 07.55	v ., <b>x</b>	
	3496 Dec 14 01:36	0° <b>≈</b>		conjunction	3501 Aug 30 19:10	8° <b>m</b> 00'30	1°08'02
	3497 Jan 21 20:57	0° <b>∀</b>		minimum elong	3501 Aug 30 19:23	8° <b>m</b> 00'51	1°08'03
	3497 Feb 28 21:12	0° <b>Υ</b>		max. Earth dist.	3501 Sep 06 15:47	12° <b>m</b> 23'44	2.66613 AU
evening set	3497 Mar 21 01:30	15° <b>Y</b> 53'37			3501 Oct 04 07:16	0° <b>⊽</b>	
	3497 Apr 08 03:24	0°8		morning rise	3501 Oct 15 03:42	6° <b>♀</b> 53'22	
asc. node	3497 May 16 20:52 3497 May 17 12:35	29° <b>႘</b> 30'40 0°Ⅱ			3501 Nov 20 14:28 3502 Jan 06 21:50	0° <b>™</b> 0° <b>҂</b> ҄	
	5477 Way 17 12.55	ОД			3502 Feb 23 09:48	0°ਤ ਹ ×	
conjunction	3497 May 26 20:19	6° <b>Ⅱ</b> 55'29	0°06'38	desc. node	3502 Mar 05 05:25	6° <b>ප</b> 08'59	
minimum elong	3497 May 26 19:48	6° <b>Ⅲ</b> 54'31	0°06'37		3502 Apr 12 23:35	0° <b>≈</b>	
behind sun begin	3497 May 25 19:05	6° <b>Ⅱ</b> 08'51			3502 Jun 05 02:53	0° <b>¥</b>	
behind sun end	3497 May 27 20:30	7° <b>Ⅱ</b> 40'06		retrograde	3502 Aug 08 03:04	19° <b>)</b> 45′19	
F 4 F 4	3497 Jun 27 16:21	0°©	2 40004 411	opposition	3502 Sep 07 03:07	14° <b>)</b> 48'48	
max. Earth dist. morning rise	3497 Jul 10 08:48 3497 Jul 26 04:48	8° <b>©</b> 56'51 19° <b>©</b> 55'30	2.49004 AU	greatest brilliancy min. Earth dist.	3502 Sep 07 16:59 3502 Sep 09 01:50	14° <b>¥</b> 39'36 14° <b>¥</b> 17'52	-2.9m 0.37460 AU
morning risc	3497 Aug 10 00:08	0°Ω		direct	3502 Sep 09 01:30 3502 Oct 07 07:23	9° <b>\(\)</b> 42'01	0.57400 AU
	3497 Sep 24 15:56	0° <b>m</b> )			3502 Dec 08 07:51	0° <b>Υ</b>	
	3497 Nov 11 23:35	0∘ <del>⊽</del>		asc. node	3503 Jan 07 18:46	17° <b>Ƴ</b> 55'07	
	3498 Jan 03 17:37	$0^{\circ}$ M			3503 Jan 26 19:27	$0^{\circ}$ 8	
	3498 Mar 21 15:30	0° <b>∡</b> ¹			3503 Mar 13 12:43	$\Pi$ °0	
retrograde	3498 Apr 04 18:15	1° <b>∡</b> 708′04			3503 Apr 28 04:01	0°©	
	3498 Apr 18 02:58	30°RM	0942155		3503 Jun 13 14:29	0° <b>N</b>	
opposition greatest brilliancy	3498 May 12 12:44 3498 May 12 17:10	22°M44'05 22°M39'53	0°42'55 -1.6m	evening set	3503 Jul 30 18:42 3503 Aug 21 21:55	0°Mp 14°Mp00'07	
min. Earth dist.	3498 May 18 17:05	20°M23'09	0.60248 AU	evening set	3503 Sep 16 04:04	0ಂ <del>ರ</del>	
desc. node	3498 May 30 07:19	16°M25'45		max. Earth dist.	3503 Sep 29 15:58		2.67402 AU
direct	3498 Jun 22 10:42	12°M53'28			-		
	3498 Aug 20 08:28	0° <b>∡</b> ¹		conjunction	3503 Oct 06 11:18	12° <b>≏</b> 55'07	0°51'27
	3498 Oct 10 07:11	0°ප		minimum elong	3503 Oct 06 12:22	12° <b>≏</b> 56'49	0°51'27
	3498 Nov 21 22:38	0° <b>≈</b>			3503 Nov 02 02:14	0°M	
	3498 Dec 31 12:23	0° <b>ℋ</b> 0° <b>Ƴ</b>		morning rise	3503 Nov 19 14:47	11°M21'26	
	3499 Feb 08 00:30 3499 Mar 18 18:21	0° <b>႘</b>		desc. node	3503 Dec 18 00:39 3504 Jan 21 03:55	0° द्र <sup>7</sup> 22° द्र <sup>7</sup> 49'13	
asc. node	3499 Apr 03 19:53	12° <b>8</b> 12'35		desc. Houc	3504 Jan 31 18:10	22 <b>メ</b> ・4913	
	3499 Apr 27 16:29	0°II			3504 Mar 15 07:15	0° <b>≈</b>	

	2504 4 26 21 42	001/		•,•	2500 F 1 10 06 07	200 0 50125	4027152
	3504 Apr 26 21:42	0° <b>)</b> €		opposition	3509 Feb 19 06:07	29° <b>Ω</b> 50′25	4°36'52
	3504 Jun 08 04:39	$^{\circ \gamma}$		greatest brilliancy	3509 Feb 18 18:29	0° Mp 02'04	-1.4m
	3504 Jul 22 01:00	0°B 0°B		direct	3509 Mar 30 15:58	20° <b>Ω</b> 30'14	
	3504 Sep 14 07:52 3504 Oct 18 03:56	0°Щ 7°Щ24'05			3509 May 14 01:56	0ം <b>⊽</b> 0ംൂൂ	
retrograde min. Earth dist.	3504 Nov 14 03:32		0.43440 AU		3509 Jul 15 18:28 3509 Sep 04 16:47	0°M	
IIIII. Eartii dist.	3504 Nov 21 11:09	2 H23 38 30°R <b>∀</b>	0.43440 AU	desc. node	3509 Sep 04 10.47 3509 Sep 12 01:11	4°M36'10	
opposition	3504 Nov 22 06:16	29° <b>8</b> 43'59	000000	desc. Hode	3509 Oct 20 23:14	4 11€30 10 0° <b>√</b>	
greatest brilliancy	3505 Aug 05 14:16	16° My 11'18			3509 Oct 20 23:14 3509 Dec 02 23:18	%ರ	
asc. node	3504 Nov 24 17:24	28° <b>8</b> 55'00	1.0111	evening set	3509 Dec 02 25:18 3509 Dec 20 06:36	12°る37'04	
direct	3504 Dec 24 02:27	23° <b>8</b> 28'38		max. Earth dist.	3510 Jan 09 05:47		2.40239 AU
uncet	3505 Jan 27 01:23	0°Π		max. Larm dist.	3510 Jan 12 12:12	27 <b>⊙</b> 3138	2.40237 AO
	3505 Mar 30 20:34	0ಂ <b>ತಾ</b>			5510 Juli 12 12.12	0 <b>~</b>	
	3505 May 21 14:26	0°N		conjunction	3510 Feb 17 04:47	27° <b>≈</b> 30'11	-1°04'51
	3505 Jul 10 06:22	0° mp		minimum elong	3510 Feb 17 04:34		1°04'52
	3505 Aug 27 18:52	0° <del>م</del>		minimum clong	3510 Feb 20 09:28	0° <b>∺</b>	1 0432
evening set	3505 Sep 26 15:45	0 <b>—</b> 18° <b>≏</b> 53'16			3510 Mar 30 11:44	0° <b>Υ</b>	
evening set	3505 Oct 13 22:29	0°M		morning rise	3510 Mar 30 11:44 3510 Apr 27 06:50	21° <b>Υ</b> ′52'38	
max. Earth dist.	3505 Oct 22 13:03		2.62790 AU	morning risc	3510 Apr 27 00:30 3510 May 07 16:30	0° <b>8</b>	
max. Earth dist.	3303 Oct 22 13.03	3 11633336	2.02790 AU		3510 May 07 10:30 3510 Jun 15 20:51	0°II	
conjunction	3505 Nov 11 07:05	18° <b>M</b> 35'15	0°14'57	asc. node	3510 Jul 17 14:10	23° <b>∏</b> 21'51	
minimum elong	3505 Nov 11 07:35	18°M36'05	0°14'57	asc. node	3510 Jul 26 20:24	0°95	
behind sun begin	3505 Nov 11 07:33	18°M24'10	0 1437		3510 Sep 08 11:14	0°Ω	
behind sun end	3505 Nov 11 14:46	18°M48'01			3510 Sep 08 11:14 3510 Oct 26 01:47	0°m)	
bennia sun ena	3505 Nov 28 08:24	0° <b>√</b>			3510 Oct 20 01:47 3510 Dec 22 04:11	0° <del>ت</del> مار	
desc. node	3505 Dec 08 02:40	6° <b>∡</b> 736'49		retrograde	3511 Feb 13 10:09	0 <b>—</b> 13° <b>≏</b> 29'04	
morning rise	3505 Dec 08 02:40 3505 Dec 27 13:24	19°×759'01		opposition	3511 Pco 13 10:09 3511 Mar 25 10:39	3° <b>£</b> 54'22	3°49'07
morning risc	3506 Jan 10 21:22	0°る		greatest brilliancy	3511 Mar 25 10:39 3511 Mar 25 13:47	3° <b>⊆</b> 54'22	-1.3m
	3506 Feb 21 16:09	0° <b>≈</b>		min. Earth dist.	3511 Mar 26 10:36	3° <b>⊆</b> 30'33	0.67826 AU
	3506 Apr 03 01:09	0° <b>∺</b>		iiiii. Lattii dist.	3511 Apr 04 13:46	30°R, m)	0.07620 AC
	3506 May 12 13:39	0° <b>Υ</b>		direct	3511 May 05 13:40	23° Mp 59'49	
	3506 Jun 21 02:23	0°8		direct	3511 Jun 08 17:03	0° <b>ت</b>	
	3506 Aug 01 00:03	0°II		desc. node	3511 Jul 30 23:26	23° <b>≏</b> 09'20	
	3506 Sep 15 00:41	0. <b>©</b>		dese. Hode	3511 Aug 12 10:18	0°M	
asc. node	3506 Oct 12 17:04	15° <b>©</b> 28'40			3511 Aug 12 10:18 3511 Sep 30 10:45	0° <b>⊼</b> ¹	
asc. node	3506 Nov 23 04:55	0°Ω			3511 Nov 13 04:51	ੈ ਨ ਹ	
retrograde	3506 Dec 04 18:50	0° <b>Ω</b> 55'06			3511 Nov 13 04:31 3511 Dec 23 19:42	0° <b>≈</b>	
retrograde	3506 Dec 04 18:50 3506 Dec 15 23:54	30° <b>₹</b> 55			3512 Jan 31 13:53	0° <b>∺</b>	
min. Earth dist.	3507 Jan 06 05:28	23°5947'44	0.56566 AU	evening set	3512 Feb 22 04:24	17° <b>¥</b> 02'43	
opposition	3507 Jan 12 19:30	21° <b>©</b> 13'36		evening set	3512 Nar 09 13:14	0°Υ	
greatest brilliancy	3507 Jan 11 20:36	21° <b>©</b> 35'58			3512 Mai 09 13:14 3512 Apr 16 17:25	0°8	
direct	3507 Feb 18 02:17	12° <b>©</b> 59'29	-1.0111		3312 Apr 10 17.23	0.0	
uncet	3507 Apr 20 19:07	0°Ω		conjunction	3512 May 01 00:46	11° <b>8</b> 03'38	-0°22'18
	3507 Apr 20 17:07 3507 Jun 17 23:30	0° <b>m</b> )		minimum elong	3512 May 01 00:40 3512 May 01 02:49	11° <b>8</b> 07'34	
	3507 Aug 08 07:24	0° <del>م</del>		minimum ciong	3512 May 01 02:49 3512 May 25 23:25	0°Ⅱ	0 22 10
	3507 Sep 25 10:37	0° <b>m</b>		asc. node	3512 Jun 03 14:13	6° <b>Ⅱ</b> 25'32	
desc. node	3507 Oct 26 02:16	20°M02'16		max. Earth dist.	3512 Jun 21 11:33		2.43536 AU
evening set	3507 Nov 04 08:21	26°M14'24		max. Earth dist.	3512 Jul 05 23:43	0°95	2.43330710
evening set	3507 Nov 09 21:47	20° III 1 ∓ 2 ∓ 0° 🗷		morning rise	3512 Jul 06 00:04	0°900'39	
max. Earth dist.	3507 Nov 20 18:00		2.53116 AU	morning rise	3512 Aug 18 05:47	0°N	
max. Larm dist.	3507 Dec 22 22:11	0°る	2.33110710		3512 Adg 10 03:47 3512 Oct 03 02:22	0° mp	
	3307 BCC 22 22.11	ů <b>U</b>			3512 Nov 21 09:06	0∘ <b>⊽</b>	
conjunction	3507 Dec 23 14:31	0° <b>る</b> 29'16	-0°32'48		3512 Nov 21 05:60 3513 Jan 17 05:53	0° <b>m</b> .	
minimum elong	3507 Dec 23 13:11	0° <b>る</b> 26'53		retrograde	3513 Mar 20 20:26	17° <b>M</b> 10'38	
minimum ciong	3508 Feb 01 20:18	0°≈	0 32 40	opposition	3513 Apr 28 12:36	8°M21'17	1°50'26
morning rise	3508 Feb 15 13:13	10° <b>≈</b> 19'50		greatest brilliancy	3513 Apr 28 20:53	8°M13'15	-1.5m
morning rise	3508 Mar 12 05:31	0° <b>∀</b>		min. Earth dist.	3513 May 03 07:32	6°M30'00	0.63627 AU
	3508 Apr 19 18:41	0°Υ		mm. Darur Gige.	3513 May 24 00:45	30° <b>₽</b> Ω	0.03027110
	3508 May 28 07:48	0°8		direct	3513 Jun 08 21:06	28° <b>£</b> 20'57	
	3508 Jul 06 19:57	0°II		desc. node	3513 Jun 16 22:11	28° <b>⊆</b> 20'37 28° <b>⊆</b> 44'45	
	3508 Aug 17 10:51	0°©		desc. Houc	3513 Jun 25 14:47	28 <b>=</b> 4443 0°M	
asc. node	3508 Aug 17 10:31 3508 Aug 29 15:34	8° <b>9</b> 21'46			3513 Sep 04 04:03	0° <b>∕</b> 7¹	
asc. node	3508 Aug 29 13.34 3508 Oct 02 02:33	8 321 40 0°Ω			3513 Sep 04 04:03 3513 Oct 21 03:08	0 x. 0°ਤ	
	3508 Nov 28 05:33	0°Mp			3513 Dec 01 17:59	0° <b>≈</b>	
retrograde		0° Mg 47'37			3514 Jan 09 21:33	0° <b>∺</b>	
•	3509 Jan 10 01:07	-	0.65/10.411			0° <b>Υ</b> 0° <b>Υ</b>	
min. Earth dist.	3509 Feb 16 08:57 3509 Feb 18 20:33	0° Mp 59′42 30° R.Ω	0.65410 AU		3514 Feb 17 03:11 3514 Mar 27 14:48	0° <b>∀</b>	
	5507 FCU 10 20.33	20 40C			3314 IVIAI 41 14.48	0.0	

asc. node	3514 Apr 21 13:24	19° <b>8</b> 00'40			3519 May 09 02:17	0° <b>∀</b>	
evening set	3514 May 03 05:03	27° <b>8</b> 44'05			3519 Jun 23 15:29	$0^{\circ}$ $\Upsilon$	
-	3514 May 06 06:15	$\Pi^{\circ}0$			3519 Aug 16 09:43	$9^{\circ}$ 8	
	3514 Jun 16 16:22	$0$ $\circ$ $\odot$		retrograde	3519 Sep 24 14:54	9° <b>8</b> 29'16	
				min. Earth dist.	3519 Oct 21 04:07	5° <b>8</b> 01'57	0.39109 AU
conjunction	3514 Jul 02 02:07	10° <b>5</b> 47'41	0°42'20	opposition	3519 Oct 27 03:41	3° <b>8</b> 16'12	
minimum elong	3514 Jul 02 00:11	10° <b>5</b> 544'19	0°42'19	greatest brilliancy	3519 Oct 26 14:30	3° <b>8</b> 25'55	-2.9m
	3514 Jul 30 04:07	$0$ $^{\circ}\Omega$			3519 Nov 08 09:55	30° <b>Ŗ</b> ♈	
max. Earth dist.	3514 Aug 02 07:11		2.56440 AU	direct	3519 Nov 26 03:09	27° <b>Y</b> ′56′04	
morning rise	3514 Aug 24 09:47	16° <b>Ω</b> 47'17		asc. node	3519 Dec 12 10:32	29° <b>Y</b> 36'32	
	3514 Sep 13 16:47	0 <b>்⊽</b> 0° <b>™</b>			3519 Dec 14 07:36	$\mathfrak{B}_{\circ 0}$	
	3514 Oct 31 03:14 3514 Dec 19 19:01	0° <b>11</b>			3520 Feb 20 18:07 3520 Apr 11 12:33	0ം <b>©</b> 0.П	
	3514 Dec 19 19.01 3515 Feb 12 03:04	0° 11℃ 0° 1 <b>7</b>			3520 Apr 11 12.55 3520 May 30 07:56	0° <b>U</b>	
retrograde	3515 May 04 10:30	26° <b>₹</b> 11'26			3520 Jul 17 17:57	0° <b>m</b> )	
desc. node	3515 May 04 21:09	26° <b>₹</b> 11'22			3520 Sep 03 17:17	0∘ <b>⊽</b>	
opposition	3515 Jun 09 07:35	18° <b>∡</b> 39'47	-1°35'04	evening set	3520 Sep 12 09:05	5° <b>≏</b> 28'14	
greatest brilliancy	3515 Jun 09 18:26	18° <b>∡</b> °29'59	-2.0m	max. Earth dist.	3520 Oct 12 20:52	24° <b>£</b> 55'43	2.65248 AU
min. Earth dist.	3515 Jun 17 07:12	15° <b>∡</b> ′47'19	0.53298 AU		3520 Oct 20 17:25	0° <b>M</b> .	
direct	3515 Jul 18 16:06	9° <b>х</b> 29′33					
	3515 Sep 19 20:18	ರ°0		conjunction	3520 Oct 27 15:01	4°ML28'35	0°31'02
	3515 Nov 06 07:17	0° <b>≈</b>		minimum elong	3520 Oct 27 15:55	4°MJ30'02	0°31'03
	3515 Dec 17 12:05	0° <b>)</b> €			3520 Dec 05 07:01	0° <b>∡</b> ¹	
	3516 Jan 25 22:04	$0$ ° $\Upsilon$		morning rise	3520 Dec 11 14:09	4° <b>∡</b> 13'59	
	3516 Mar 05 08:46	0° <b>8</b>		desc. node	3520 Dec 24 18:28	13° <b>∡</b> ¹09'49	
asc. node	3516 Mar 08 11:40	2° <b>8</b> 20'46			3521 Jan 18 05:04	0°ಕ	
	3516 Apr 14 22:09	0°П			3521 Mar 01 12:53	0° <b>≈</b>	
	3516 May 27 04:42	0°95			3521 Apr 11 13:02	0° <b>)</b> €	
evening set	3516 Jun 25 20:05	20°©16'15			3521 May 21 18:04	0° <b>Υ</b>	
	3516 Jul 10 08:38	$0$ $^{\circ}\Omega$			3521 Jul 01 03:00	0°Ⅱ 0°8	
conjunction	3516 Aug 15 12:20	23° <b>Ω</b> 44'47	1007'32		3521 Aug 12 14:04 3521 Oct 02 08:45	0ം <b>©</b> 0.П	
minimum elong	3516 Aug 15 12:20 3516 Aug 15 11:55	23° <b>Ω</b> 44'06	1°07'31	asc. node	3521 Oct 02 08:43 3521 Oct 29 08:24	୦ ଓ 10°©10'14	
minimum clong	3516 Aug 25 04:14	0° m)	1 0/31	retrograde	3521 Nov 18 02:09	12°9548'31	
max. Earth dist.	3516 Aug 28 06:03	1° <b>m</b> ) 59'01	2.64799 AU	min. Earth dist.	3521 Dec 18 07:56	6°530'08	0.51657 AU
morning rise	3516 Oct 01 05:28	23° m 42'34		greatest brilliancy	3521 Dec 25 04:41	3°955'11	-2.1m
Č	3516 Oct 11 03:31	0∘ <b>⊽</b>		opposition	3521 Dec 26 01:25	3° <b>©</b> 35'36	2°50'45
	3516 Nov 27 19:15	$0^{\circ}$ M			3522 Jan 05 07:12	30°RⅡ	
	3517 Jan 15 02:17	0° <b>∡</b>		direct	3522 Jan 29 17:30	26° <b>Ⅱ</b> 00′19	
	3517 Mar 05 20:06	5°0			3522 Feb 25 07:14	$0$ $\circ$ $\odot$	
desc. node	3517 Mar 21 20:06	9° <b>る</b> 15'26			3522 May 04 15:06	$0$ $^{\circ}\Omega$	
	3517 Apr 29 11:51	0° <b>≈</b>			3522 Jun 26 20:58	0° <b>m</b> )	
retrograde	3517 Jul 06 20:33	20°≈50'46			3522 Aug 15 18:55	0∘ <b>亚</b>	
opposition	3517 Aug 07 00:37	15°≈24'34			3522 Oct 02 10:29	0°M	
greatest brilliancy	3517 Aug 08 09:51	15°≈00'16		evening set	3522 Oct 19 17:31	11°M 15'03	2 57494 ATT
min. Earth dist. direct	3517 Aug 13 10:09 3517 Sep 09 04:51	13°≈32'47 9°≈07'25	0.40373 AU	max. Earth dist. desc. node	3522 Nov 08 09:15 3522 Nov 11 17:14	24°M17'49 26°M32'17	2.57484 AU
direct	3517 Sep 09 04.31 3517 Nov 09 20:38	9 <b>≈</b> 0723		desc. Hode	3522 Nov 11 17:14 3522 Nov 16 20:12	20 11€32 17 0° <b>⊼</b> 1	
	3517 Nov 07 20:36 3517 Dec 27 02:25	0°Υ			3322 1101 10 20.12	V /	
asc. node	3518 Jan 24 11:03	19° <b>Υ</b> 35'35		conjunction	3522 Dec 06 00:03	13° <b>∡</b> '07'32	-0°13'53
	3518 Feb 08 08:16	0°8		minimum elong	3522 Dec 05 23:30	13° <b>∡</b> ¹06'35	
	3518 Mar 23 10:43	0°Щ		behind sun begin	3522 Dec 05 12:51	12° <b>∡</b> ¹48′08	
	3518 May 06 14:25	$0$ $\circ$ $\odot$		behind sun end	3522 Dec 06 10:10	13° <b>∡</b> ¹25′02	
	3518 Jun 21 02:55	$0^{\circ}\Omega$			3522 Dec 30 00:43	ರ∘ರ	
	3518 Aug 06 18:22	0° <b>m</b>		morning rise	3523 Jan 24 22:59	18° <b>පි</b> 43'21	
evening set	3518 Aug 07 02:47	0° Mp 13′27			3523 Feb 09 05:54	0° <b>≈</b>	
max. Earth dist.	3518 Sep 20 20:46	28° mp 41'13	2.67749 AU		3523 Mar 20 22:54	0° <b>∀</b>	
			40005-		3523 Apr 28 19:14	0° <b>Υ</b>	
conjunction	3518 Sep 22 10:23	29° Tp 40'59	1°00'37		3523 Jun 06 14:30	0° <b>B</b>	
minimum elong	3518 Sep 22 11:16	29° m/42'25	1°00'37		3523 Jul 16 09:52	0°Ⅱ	
	3518 Sep 22 22:20	0° <b>Ω</b> 27° <b>Ω</b> 55'12		aaa	3523 Aug 27 16:24	0°©	
morning rise	3518 Nov 05 16:25 3518 Nov 08 22:13	27° <b>£</b> 55′13 0° <b>M</b>		asc. node	3523 Sep 16 08:10 3523 Oct 14 14:24	12° <b>©</b> 57'37 0° <b>Ω</b>	
	3518 Nov 08 22:13 3518 Dec 25 06:20	0°11℃ 0° <b>√</b> 7		retrograde	3523 Oct 14 14:24 3523 Dec 28 05:17	25° <b>Ω</b> 52'08	
desc. node	3519 Feb 06 19:34	28° <b>∡</b> ¹41'30		min. Earth dist.	3524 Feb 01 18:57	$17^{\circ}\Omega 39'34$	0.62669 AU
	3519 Feb 08 18:49	0°る		greatest brilliancy	3524 Feb 05 10:56	16° <b>Ω</b> 11'46	-1.5m
	3519 Mar 25 14:08	0° <b>≈</b>		opposition	3524 Feb 06 04:26	15° <b>Ω</b> 54'19	
				**			

direct	3524 Mar 15 13:25	6° <b>Ω</b> 55'22			3529 May 13 17:23	п°0	
	3524 May 30 00:45	0°m∕					
	3524 Jul 24 19:24	0∘ <del>⊽</del>		conjunction	3529 Jun 10 10:40	20° <b>Ⅱ</b> 20'43	0°21'23
	3524 Sep 12 07:22	o° <b>m</b> ₊		minimum elong	3529 Jun 10 09:12	20° <b>Ⅲ</b> 18′05	0°21'21
desc. node	3524 Sep 28 15:56	10°ML27'43			3529 Jun 23 22:15	0ංම	
	3524 Oct 28 04:03	0°⊀		max. Earth dist.	3529 Jul 20 06:24	18° <b>©</b> 25'07	2.51824 AU
evening set	3524 Nov 30 11:50	23° <b>∡</b> ¹06′27			3529 Aug 06 06:06	$0^{\circ}\Omega$	
	3524 Dec 10 03:22	0°ප		morning rise	3529 Aug 07 00:07	0° <b>Ω</b> 30′23	
max. Earth dist.	3524 Dec 15 04:06	3° <b>る</b> 37'47	2.45366 AU		3529 Sep 20 19:20	O° <b>m</b>	
	3525 Jan 19 19:19	0° <b>≈</b>			3529 Nov 07 16:38	0∘ <b>ಹ</b>	
					3529 Dec 28 23:01	0°M₊	
conjunction	3525 Jan 23 16:21	2°≈55'58		_	3530 Feb 28 16:12	0° <b>∡</b>	
minimum elong	3525 Jan 23 14:39	2°≈52'45	0°57'52	retrograde	3530 Apr 15 13:50	10° <b>∡</b> 06'13	
	3525 Feb 27 20:39	0° <b>∀</b>		desc. node	3530 May 21 11:59	2° <b>∡</b> 126'55	
morning rise	3525 Mar 27 15:30	21° <b>)</b> 46'18		opposition	3530 May 22 17:59	1° <b>₹</b> 58'55	
	3525 Apr 07 02:30	$^{\circ \gamma}$		greatest brilliancy	3531 Jul 10 11:01	24°538'38	1.5m
	3525 May 15 09:31	0° <b>B</b>		i r at tia	3530 May 28 00:45	30°RM	0.57072 411
asc. node	3525 Jun 23 15:09 3525 Aug 03 08:11	0°Ⅱ 29°Ⅱ43'46		min. Earth dist. direct	3530 May 29 15:29 3530 Jul 02 06:00	29°M24'09 22°M18'48	0.57972 AU
asc. node	3525 Aug 03 08.11 3525 Aug 03 17:21	29 <b>п</b> 43 46 0° <b>©</b>		direct	3530 Jul 02 06:00 3530 Aug 08 05:08	0° <b>%</b>	
	3525 Aug 05 17:21 3525 Sep 16 18:12	0° <b>U</b>			3530 Aug 08 05:08 3530 Oct 04 04:29	0°る	
	3525 Sep 10 10:12 3525 Nov 05 00:55	0° <b>m</b> )			3530 Oct 04 04:23 3530 Nov 16 22:57	0°≈	
	3526 Jan 19 09:19	0∘ <del>⊽</del>			3530 Nov 10 22:37 3530 Dec 26 23:15	0° <b>∺</b>	
retrograde	3526 Jan 31 02:03	0° <b>ഫ</b> 49'59			3531 Feb 03 17:36	0° <b>Υ</b>	
renograde	3526 Feb 11 06:53	30°R <b>™</b>			3531 Mar 14 16:05	0°8	
opposition	3526 Mar 12 07:36	21° m 03'29	4°16'11	asc. node	3531 Mar 26 04:51	8° <b>8</b> 44'43	
greatest brilliancy	3526 Mar 12 05:27	21° m/05'38	-1.3m		3531 Apr 23 18:11	0°II	
min. Earth dist.	3526 Mar 11 19:04	21° m) 16'01	0.67660 AU		3531 Jun 04 14:32	0ಂತಾ	
direct	3526 Apr 21 22:34	11° <b>m</b> )19'16		evening set	3531 Jun 07 13:18	2° <b>©</b> 03'44	
	3526 Jun 27 01:08	0∘ <del>⊽</del>			3531 Jul 18 10:11	$0^{\circ}\Omega$	
desc. node	3526 Aug 16 14:27	26° <b>≏</b> 53'07					
	3526 Aug 21 21:14	0°M₊		conjunction	3531 Jul 31 03:43	8° <b>Ω</b> 28'47	1°02'15
	3526 Oct 08 10:48	0° <b>∡</b> ¹		minimum elong	3531 Jul 31 02:35	8° <b>Ω</b> 26'54	1°02'14
	3526 Nov 20 19:16	ರ°0		max. Earth dist.	3531 Aug 19 13:46	21° <b>Ω</b> 14'45	2.62154 AU
	3526 Dec 31 08:12	0° <b>≈</b>			3531 Sep 02 01:18	O° Mp	
evening set	3527 Jan 25 23:18	19° <b>≈</b> 43′28		morning rise	3531 Sep 17 19:52	10° <b>m</b> 08'50	
	3527 Feb 08 02:43	0° <b>∀</b>			3531 Oct 19 02:25	0ಂ <b>ಹ</b>	
	3527 Mar 18 02:30	$0^{\circ}\mathbf{\Upsilon}$			3531 Dec 06 07:07	0° <b>M</b> ₊	
					3532 Jan 25 01:33	0° <b>∡</b> 7	
conjunction	3527 Apr 02 18:07	12° <b>Υ</b> 21'52		1 1	3532 Mar 18 22:01	0°る	
minimum elong	3527 Apr 02 21:30	12° <b>Y</b> 28'30	0°48'32	desc. node	3532 Apr 07 11:43	9° <b>そ</b> 33'31	
max. Earth dist.	3527 Apr 25 06:08 3527 May 18 02:30	0° <b>엉</b> 17° <b>엉</b> 37'42	2.38416 AU	retrograde	3532 Jun 08 10:26 3532 Jul 11 13:21	26°る47'04 20°る29'00	4920125
max. Earth dist.	3527 May 18 02:30 3527 Jun 03 10:28	0° <b>Ⅱ</b>	2.38410 AU	opposition greatest brilliancy	3532 Jul 11 13:21 3532 Jul 12 20:29	20°る29'00 20°る03'46	
morning rise	3527 Jun 12 06:16	6° <b>Ⅱ</b> 35'34		min. Earth dist.	3532 Jul 12 20:29 3532 Jul 19 21:39	20 <b>3</b> 03 40	0.45122 AU
asc. node	3527 Jun 12 00:10 3527 Jun 21 06:19	13° <b>Ⅱ</b> 14'59		direct	3532 Aug 16 18:31	17 347 18 12°る48'20	0.43122 AC
use. Houe	3527 Jul 14 09:03	0°9		ancor	3532 Oct 10 21:50	0°≈	
	3527 Aug 26 15:43	0°N			3532 Nov 27 18:01	0° <b>)</b> €	
	3527 Oct 11 21:40	0° <b>m</b> )			3533 Jan 08 16:07	0° <b>Υ</b>	
	3527 Dec 01 18:43	0∘ <u>⊽</u>		asc. node	3533 Feb 10 02:41	23° <b>Ƴ</b> 45'31	
	3528 Feb 07 23:08	0°M₊			3533 Feb 18 15:54	0°8	
retrograde	3528 Mar 06 02:55	3°M58'09			3533 Apr 01 09:08	$\Pi^{\circ}0$	
	3528 Mar 31 02:02	30° <b>₹</b> Ω			3533 May 14 13:55	$0$ $\circ$ $\odot$	
opposition	3528 Apr 14 11:17	24° <b>≏</b> 48′05	2°45'03		3533 Jun 28 10:26	$0^{\circ}\Omega$	
greatest brilliancy	3528 Apr 14 19:28	24° <b>≏</b> 40'03	-1.4m	evening set	3533 Jul 22 14:41	15° <b>Ω</b> 46'39	
min. Earth dist.	3528 Apr 17 18:59	23° <b>≙</b> 29'54	0.66047 AU		3533 Aug 13 16:06	0° <b>m</b>	
direct	3528 May 25 22:31	14° <b>£</b> 45'51					
desc. node	3528 Jul 03 13:00	22° <b>£</b> 26'57		conjunction	3533 Sep 08 04:12		
	3528 Jul 22 00:24	0° <b>M</b>		minimum elong	3533 Sep 08 04:43	16° <b>m</b> 19'14	1°06'23
	3528 Sep 14 18:39	0° <b>∡</b>		max. Earth dist.	3533 Sep 11 22:11	18° Mp 41'46	2.67260 AU
	3528 Oct 29 22:32	ි ව°0			3533 Sep 29 16:34	0° <b>⊽</b>	
	3528 Dec 10 00:13	0° <b>≈</b>		morning rise	3533 Oct 22 23:54	14° <b>£</b> 48'59	
	3529 Jan 17 22:09	0° <b>∀</b> 0° <b>Υ</b>			3533 Nov 15 20:24	0°M₊ 0°. <b>7</b>	
	3529 Feb 24 23:51	0° <b>Β</b>			3534 Jan 01 18:19	0°る 2°0	
evening set	3529 Apr 04 07:07 3529 Apr 06 21:48	2° <b>8</b> 01'16		desc. node	3534 Feb 17 09:59 3534 Feb 23 10:34	0°る 3° <b>る</b> 52'27	
asc. node	3529 Apr 06 21:48 3529 May 08 05:11	25° <b>8</b> 52'49		uese. Hour	3534 Feb 23 10:34 3534 Apr 05 05:42	0°≈	
450. HOUC	5527 May 00 05.11	25 05249			5554 Apr 05 05.42	· ~	

behind sun begin	3544 May 15 12:17	25° <b>8</b> 45'42			3549 Jun 19 01:35	0° <b>)</b> {	
behind sun end	3544 May 17 17:04	27° <b>8</b> 24'58		retrograde	3549 Jul 24 15:45	6° <b>∺</b> 59'10	
	3544 May 21 03:43	0°II		opposition	3549 Aug 24 00:45	1° <b>¥</b> 55'01	-6°41'58
asc. node	3544 May 24 21:29	2° <b>Ⅱ</b> 47'40		greatest brilliancy	3549 Aug 25 01:46	1° <b>)</b> €37'51	-2.8m
	3544 Jul 01 04:44	0°©		min. Earth dist.	3549 Aug 28 06:32	0° <b>)</b> 45′28	0.38436 AU
max. Earth dist.	3544 Jul 03 18:44	1°950'18	2.46605 AU		3549 Aug 31 03:01	30°R≈	
morning rise	3544 Jul 18 09:35	12° <b>©</b> 08'00		direct	3549 Sep 24 08:35	26° <b>≈</b> 22'24	
	3544 Aug 13 10:10	$0^{\circ}\Omega$			3549 Oct 17 23:29	0° <b>∀</b>	
	3544 Sep 28 02:16	0° <b>m</b> p			3549 Dec 17 04:50	$0$ ° $\Upsilon$	
	3544 Nov 15 16:45	0∘ <b>⊽</b>		asc. node	3550 Jan 14 19:15	18° <b>Ƴ</b> 28'37	
	3545 Jan 08 17:11	0° <b>M</b> .			3550 Feb 01 00:15	$8^{\circ}$ 0	
retrograde	3545 Mar 29 17:33	25°M29'41			3550 Mar 17 07:50	$\Pi$ $^{\circ}0$	
opposition	3545 May 06 22:44	16°M53'29	1°12'47		3550 May 01 04:31	0	
greatest brilliancy	3545 May 07 05:17	16°M47'12	-1.6m		3550 Jun 16 03:27	$0$ $^{\circ}$ $\Omega$	
min. Earth dist.	3545 May 12 12:28	14°M45'18	0.61885 AU		3550 Aug 02 01:08	0° <b>™</b>	
desc. node	3545 Jun 07 03:42	7°M36'36		evening set	3550 Aug 15 15:58	8° <b>m</b> 38'51	
direct	3545 Jun 17 02:47	6°M57′22			3550 Sep 18 07:44	0∘ <b>⊽</b>	
	3545 Aug 27 02:52	0° <b>∡</b>		max. Earth dist.	3550 Sep 26 02:00	4° <b>£</b> 55'56	2.67664 AU
	3545 Oct 15 01:57	0°ප					
	3545 Nov 26 06:45	0° <b>≈</b>		conjunction	3550 Sep 30 11:58	7° <b>Ω</b> 44'31	
	3546 Jan 04 15:57	0° <b>∀</b>		minimum elong	3550 Sep 30 12:59	7° <b>Ω</b> 46'09	0°55'37
	3546 Feb 12 00:49	0° <b>Υ</b>			3550 Nov 04 06:48	0°M	
,	3546 Mar 22 15:05	0° <b>8</b>		morning rise	3550 Nov 13 15:05	6°M01'37	
asc. node	3546 Apr 11 20:06	15° <b>8</b> 23'55 0° <b>Ⅱ</b>		11-	3550 Dec 20 09:54	0° ⊀ <sup>7</sup> 25° ∗ <b>7</b> 20120	
	3546 May 01 08:57	0° <b>Ц</b> 11° <b>Ц</b> 21'16		desc. node	3551 Jan 28 00:09	25° <b>メ</b> 38'28 0°る	
evening set	3546 May 16 20:36 3546 Jun 11 21:31	11° <b>ய</b> 21'16 0° <b>©</b>			3551 Feb 03 11:45 3551 Mar 19 13:35	0° <b>≈</b>	
	5540 Juli 11 21.51	0 😊			3551 May 01 21:27	0 <b>≈</b> 0° <b>∀</b>	
conjunction	3546 Jul 13 06:19	21° <b>©</b> 44'32	0°51'27		3551 Jun 14 06:46	0°Υ	
minimum elong	3546 Jul 13 04:33	21°941'31	0°51'26		3551 Jul 30 11:38	0°8	
minimum clong	3546 Jul 25 10:57	0°Ω	0 31 20	retrograde	3551 Oct 09 01:58	26° <b>8</b> 13'58	
max. Earth dist.	3546 Aug 09 01:48	9° <b>Ω</b> 46'06	2.58714 AU	min. Earth dist.	3551 Nov 04 13:19	21° <b>8</b> 33'39	0.41301 AU
morning rise	3546 Sep 02 15:37	25° <b>Ω</b> 54'07	2.00711110	opposition	3551 Nov 12 01:00	19° <b>8</b> 11'53	
	3546 Sep 08 23:26	0° <b>m</b> )		greatest brilliancy	3551 Nov 11 17:04	19° <b>8</b> 18'10	
	3546 Oct 26 04:56	0∘ <u>ಹ</u>		asc. node	3551 Dec 02 17:44	14° <b>8</b> 04'32	
	3546 Dec 14 04:46	0° <b>M</b> .		direct	3551 Dec 13 00:17	13° <b>8</b> 22'20	
	3547 Feb 04 07:44	0° <b>∡</b> ¹			3552 Feb 08 22:45	$\Pi^{\circ}0$	
	3547 Apr 10 03:54	0°⋜			3552 Apr 04 09:41	0°ಲ	
desc. node	3547 Apr 25 02:11	4° <b>ਰ</b> 11'34			3552 May 24 15:58	$0^{\circ}\Omega$	
retrograde	3547 May 16 08:21	6° <b>ප</b> 43'12			3552 Jul 12 17:38	0°Щ	
	3547 Jun 19 04:38	30°₹ <b>҂</b> 7			3552 Aug 30 00:12	0० <b>⊽</b>	
opposition	3547 Jun 20 09:17	29° <b>∡</b> ³35′04	-2°35'15	evening set	3552 Sep 20 13:04	13° <b>≏</b> 36'19	
greatest brilliancy	3547 Jun 21 03:38	29° <b>∡</b> 18'59	-2.1m		3552 Oct 16 02:45	$0^{\circ}$ M	
min. Earth dist.	3547 Jun 28 18:55	26° <b>∡</b> ³39′13	0.50468 AU	max. Earth dist.	3552 Oct 18 09:37	1°M28'51	2.63988 AU
direct	3547 Jul 28 20:48	20° <b>∡</b> ¹49'55					
	3547 Sep 06 05:26	0° <b>ප</b>		conjunction	3552 Nov 04 22:47	12°M55'54	
	3547 Oct 29 13:26	0° <b>≈</b>		minimum elong	3552 Nov 04 23:28	12°M57'02	0°21'55
	3547 Dec 11 01:26	0° <b>∀</b>			3552 Nov 30 15:12	0° <b>∡</b> 7	
	3548 Jan 20 01:41	0° <b>Υ</b>		desc. node	3552 Dec 14 22:48	9° <b>х</b> 41'12	
asc. node	3548 Feb 27 20:14	29° <b>Y</b> 12'18		morning rise	3552 Dec 20 13:08	13° <b>₹</b> 30'28	
	3548 Feb 28 21:47	0° <b>Β</b>			3553 Jan 13 08:57	ි ව°0	
	3548 Apr 09 18:13	0° <b>©</b>			3553 Feb 24 10:13	0° <b>≈</b> 0° <b>∀</b>	
avanina aat	3548 May 22 06:30 3548 Jul 05 23:51	0° <b>Ω</b> 15'13			3553 Apr 06 02:06 3553 May 15 21:31	0° <b>Υ</b>	
evening set	3548 Jul 05 14:41	0° <b>Ω</b>			3553 Jun 24 17:35	0°8	
	3548 Aug 20 12:47	0° <b>m</b> )			3553 Juli 24 17:33 3553 Aug 05 02:38	0°II	
	20.011ug 20 12.T/	יעיי י∨			3553 Sep 20 15:18	0°ಅ	
conjunction	3548 Aug 24 09:04	2° m/28'38	1°08'21	asc. node	3553 Oct 19 17:20	14°9540'55	
minimum elong	3548 Aug 24 09:03	2° My 28'36	1°08'21	retrograde	3553 Nov 27 19:15	23°952'16	
max. Earth dist.	3548 Sep 02 18:43	-	2.65908 AU	min. Earth dist.	3553 Nev 27 15:15 3553 Dec 29 06:31	17°506'41	0.54442 AU
	3548 Oct 06 11:34	0∘ <b>ಹ</b>		greatest brilliancy	3554 Jan 04 11:29	14°5543'26	-1.9m
morning rise	3548 Oct 09 06:21	1° <b>≏</b> 45'53		opposition	3554 Jan 05 10:27	14° <b>©</b> 21'19	3°29'56
<b>5</b> -	3548 Nov 22 22:04	0° <b>M</b> .		direct	3554 Feb 10 00:50	6° <b>©</b> 23'38	
	3549 Jan 09 14:53	0° <b>∡</b> ¹			3554 Apr 26 08:31	$0^{\circ}\Omega$	
	3549 Feb 26 22:53	8°0			3554 Jun 21 01:32	0° <b>m</b> )	
desc. node	3549 Mar 12 01:20	7° <b>る</b> 58'28			3554 Aug 10 18:20	0∘ <b>⊽</b>	
	3549 Apr 18 11:11	0° <b>≈</b>			3554 Sep 27 17:11	$0^{\circ}$ M.	

evening set	3554 Oct 28 12:47	20°M08'55		asc. node	3559 Jun 11 14:18	9° <b>∏</b> 41'16	
desc. node	3554 Nov 01 22:13	23°M04'48		morning rise	3559 Jun 26 17:54	20° <b>Ⅱ</b> 47'45	
dese. Hode	3554 Nov 12 04:53	25 ال <b>ر</b> 04 م		morning 1130	3559 Jul 09 12:28	0°95	
max. Earth dist.	3554 Nov 15 05:43		2.55140 AU		3559 Aug 21 17:02	$0^{\circ}\Omega$	
max. Darm dist.	33311101 13 03.13	2 7 03 30	2.551 10 110		3559 Oct 06 15:15	0° <b>m</b> )	
conjunction	3554 Dec 15 19:16	23° <b>х</b> 14'02	-0°24'53		3559 Nov 25 09:28	0∘ <b>⊽</b>	
minimum elong	3554 Dec 15 18:16	23°×1102			3560 Jan 24 00:53	0°M	
g	3554 Dec 25 08:05	0°る	0 2.01	retrograde	3560 Mar 14 09:58	11°M56'40	
	3555 Feb 04 10:14	0° <b>≈</b>		opposition	3560 Apr 22 10:27	2°M57'21	2°14'30
morning rise	3555 Feb 05 19:03	1° <b>≈</b> 01'14		greatest brilliancy	3560 Apr 22 18:58	2°M49'03	-1.4m
8	3555 Mar 15 23:22	0° <b>)</b> €		min. Earth dist.	3560 Apr 26 13:44	1°M20'40	0.64836 AU
	3555 Apr 23 15:46	$0^{\circ}\Upsilon$			3560 Apr 30 02:14	30° <b>₽</b> Ω	
	3555 Jun 01 07:13	0°8		direct	3560 Jun 02 21:25	22° <b>≏</b> 55'27	
	3555 Jul 10 21:12	0°II		desc. node	3560 Jun 23 18:11	25° <b>£</b> 25'00	
	3555 Aug 21 16:10	0°ಅ			3560 Jul 09 11:38	0°M	
asc. node	3555 Sep 06 16:29	10° <b>©</b> 50'38			3560 Sep 08 05:11	0° <b>∡</b> ¹	
	3555 Oct 06 23:03	$0^{\circ}\Omega$			3560 Oct 24 09:14	8°0	
	3555 Dec 08 19:40	0° m/			3560 Dec 04 19:15	0° <b>≈</b>	
retrograde	3556 Jan 05 04:47	4° m 25'23			3561 Jan 12 20:45	0° <b>∀</b>	
Č	3556 Jan 30 17:31	30°R <b>Ω</b>			3561 Feb 20 00:31	$0^{\circ}\Upsilon$	
min. Earth dist.	3556 Feb 10 18:32	25° <b>Ω</b> 52'59	0.64307 AU		3561 Mar 30 09:39	0°8	
opposition	3556 Feb 14 08:20	24° <b>Ω</b> 27'14	4°37'24	evening set	3561 Apr 22 02:02	17° <b>8</b> 22'04	
greatest brilliancy	3556 Feb 13 17:59	24° <b>Ω</b> 41'34	-1.4m	asc. node	3561 Apr 28 13:49	22° <b>8</b> 16'07	
direct	3556 Mar 24 08:12	15° <b>Ω</b> 15'58			3561 May 08 21:40	$\Pi^{\circ}0$	
	3556 May 20 17:11	o° mp			3561 Jun 19 04:02	0°ಅ	
	3556 Jul 18 21:53	0∘ <b>⊽</b>					
	3556 Sep 07 05:56	0°M		conjunction	3561 Jun 23 01:33	2° <b>©</b> 45'29	0°34'12
desc. node	3556 Sep 18 21:16	7°M21'00		minimum elong	3561 Jun 22 23:40	2°542'09	0°34'10
	3556 Oct 23 09:38	0° <b>∡</b> ¹		max. Earth dist.	3561 Jul 28 01:37	26°\$59'01	2.54455 AU
	3556 Dec 05 10:37	8°0			3561 Aug 01 12:33	$0^{\circ}\Omega$	
evening set	3556 Dec 11 09:28	4° <b>る</b> 17'49		morning rise	3561 Aug 17 03:35	10° <b>Ω</b> 27'56	
max. Earth dist.	3556 Dec 27 13:54	16° <b>පි</b> 09'19	2.42474 AU		3561 Sep 15 23:53	o° my	
	3557 Jan 15 01:55	0° <b>≈</b>			3561 Nov 02 13:12	0∘ <b>亚</b>	
					3561 Dec 22 18:02	0°M	
conjunction	3557 Feb 06 01:54	16° <b>≈</b> 48'54	-1°03'10		3562 Feb 17 05:52	0° <b>∡</b> ¹	
minimum elong	3557 Feb 06 00:49	16° <b>≈</b> 46'49	1°03'10	retrograde	3562 Apr 25 22:45	19° <b>∡</b> ³30′02	
		001/					
	3557 Feb 23 01:26	0° <b>∀</b>		desc. node	3562 May 11 17:17	17° <b>∡</b> ¹56′08	
	3557 Feb 23 01:26 3557 Apr 02 05:15	0° <b>Υ</b>		desc. node opposition	3562 May 11 17:17 3562 Jun 01 11:22	17° <b>∡</b> 56′08 11° <b>∡</b> 41′23	-0°54'06
morning rise					•		
morning rise	3557 Apr 02 05:15	$0^{\circ}$ Y		opposition	3562 Jun 01 11:22	11° <b>∡</b> ′41′23	
morning rise	3557 Apr 02 05:15 3557 Apr 13 16:42	0° <b>Υ</b> 9° <b>Υ</b> 02'40		opposition greatest brilliancy	3562 Jun 01 11:22 3562 Jun 01 17:15	11° <b>⊀</b> ′41′23 11° <b>⊀</b> ′35′58	-1.9m
morning rise	3557 Apr 02 05:15 3557 Apr 13 16:42 3557 May 10 10:32	0° <b>Υ</b> 9° <b>Υ</b> 02'40 0° <b>႘</b>		opposition greatest brilliancy min. Earth dist.	3562 Jun 01 11:22 3562 Jun 01 17:15 3562 Jun 09 00:52	11° <b>₹</b> 41'23 11° <b>₹</b> 35'58 8° <b>₹</b> 54'59	-1.9m
-	3557 Apr 02 05:15 3557 Apr 13 16:42 3557 May 10 10:32 3557 Jun 18 14:22	0°Υ 9°Υ02'40 0°႘ 0°Π 26°Π27'46 0°ℱ		opposition greatest brilliancy min. Earth dist.	3562 Jun 01 11:22 3562 Jun 01 17:15 3562 Jun 09 00:52 3562 Jul 11 10:29	11° ₹41'23 11° ₹35'58 8° ₹54'59 2° ₹15'39 0° ₹ 0° ≈	-1.9m
-	3557 Apr 02 05:15 3557 Apr 13 16:42 3557 May 10 10:32 3557 Jun 18 14:22 3557 Jul 24 14:34 3557 Jul 29 13:25 3557 Sep 11 06:04	0°Y 9°Y02'40 0°B 0°I 26°II27'46 0°© 0°A		opposition greatest brilliancy min. Earth dist.	3562 Jun 01 11:22 3562 Jun 01 17:15 3562 Jun 09 00:52 3562 Jul 11 10:29 3562 Sep 26 00:18 3562 Nov 10 13:14 3562 Dec 21 04:18	11° ₹41'23 11° ₹35'58 8° ₹54'59 2° ₹15'39 0° ₹ 0° ≈ 0° ¥	-1.9m
-	3557 Apr 02 05:15 3557 Apr 13 16:42 3557 May 10 10:32 3557 Jun 18 14:22 3557 Jul 24 14:34 3557 Jul 29 13:25	0°Υ 9°Υ02'40 0°႘ 0°Π 26°Π27'46 0°ℱ		opposition greatest brilliancy min. Earth dist.	3562 Jun 01 11:22 3562 Jun 01 17:15 3562 Jun 09 00:52 3562 Jul 11 10:29 3562 Sep 26 00:18 3562 Nov 10 13:14	11° ₹41'23 11° ₹35'58 8° ₹54'59 2° ₹15'39 0° ₹ 0° ₩ 0° ₩ 0° ₩	-1.9m
-	3557 Apr 02 05:15 3557 Apr 13 16:42 3557 May 10 10:32 3557 Jun 18 14:22 3557 Jul 24 14:34 3557 Jul 29 13:25 3557 Sep 11 06:04	0°Y 9°Y02'40 0°8 0°I 26°I27'46 0°© 0°A 0°I 0°I 0°I		opposition greatest brilliancy min. Earth dist.	3562 Jun 01 11:22 3562 Jun 01 17:15 3562 Jun 09 00:52 3562 Jul 11 10:29 3562 Sep 26 00:18 3562 Nov 10 13:14 3562 Dec 21 04:18	11° ₹41'23 11° ₹35'58 8° ₹54'59 2° ₹15'39 0° ₹ 0° ¥ 0° ¥ 0° ¥	-1.9m
-	3557 Apr 02 05:15 3557 Apr 13 16:42 3557 May 10 10:32 3557 Jun 18 14:22 3557 Jul 24 14:34 3557 Jul 29 13:25 3557 Sep 11 06:04 3557 Oct 29 08:02 3557 Dec 28 19:59 3558 Feb 07 16:55	0° <b>Y</b> 9° <b>Y</b> 02'40 0° <b>႘</b> 0° <b>Ц</b> 26° <b>Ц</b> 27'46 0°፡፡ 0°፡ <b>ቢ</b> 0° <b>ኪ</b> 8° <b>Ω</b> 35'26		opposition greatest brilliancy min. Earth dist.	3562 Jun 01 11:22 3562 Jun 01 17:15 3562 Jun 09 00:52 3562 Jul 11 10:29 3562 Sep 26 00:18 3562 Nov 10 13:14 3562 Dec 21 04:18 3563 Jan 29 06:21 3563 Mar 09 10:35 3563 Mar 16 12:17	11° ₹41'23 11° ₹35'58 8° ₹54'59 2° ₹15'39 0° ₹ 0° ¥ 0° ¥ 0° ¥ 5° ¥20'33	-1.9m
asc. node	3557 Apr 02 05:15 3557 Apr 13 16:42 3557 May 10 10:32 3557 Jun 18 14:22 3557 Jul 24 14:34 3557 Jul 29 13:25 3557 Sep 11 06:04 3557 Oct 29 08:02 3557 Dec 28 19:59 3558 Feb 07 16:55 3558 Mar 17 03:16	0° <b>Y</b> 9° <b>Y</b> 02'40 0° <b>႘</b> 0° <b>Ц</b> 26° <b>Ц</b> 27'46 0°፡፡ 0°፡ <b>Ω</b> 0° <b>™</b> 0° <b>™</b> 8°• <b>ጔ</b> 35'26		opposition greatest brilliancy min. Earth dist. direct	3562 Jun 01 11:22 3562 Jun 01 17:15 3562 Jun 09 00:52 3562 Jul 11 10:29 3562 Sep 26 00:18 3562 Nov 10 13:14 3562 Dec 21 04:18 3563 Jan 29 06:21 3563 Mar 09 10:35 3563 Mar 16 12:17 3563 Apr 18 17:33	11°¾41'23 11°¾35'58 8°₰54'59 2°₰15'39 0°₴ 0°₩ 0°भ 0°भ 0°Y 0°8 5°⊌20'33	-1.9m
asc. node retrograde opposition	3557 Apr 02 05:15 3557 Apr 13 16:42 3557 May 10 10:32 3557 Jun 18 14:22 3557 Jul 24 14:34 3557 Jul 29 13:25 3557 Sep 11 06:04 3557 Oct 29 08:02 3557 Dec 28 19:59 3558 Feb 07 16:55 3558 Mar 17 03:16 3558 Mar 19 20:43	0°Y 9°Y02'40 0°႘ 0°Ⅱ 26°Ⅱ27'46 0°ᢒ 0°ᡣ 0°₽ 8°£35'26 30°RM 28°∰54'57	4°01'31	opposition greatest brilliancy min. Earth dist. direct	3562 Jun 01 11:22 3562 Jun 01 17:15 3562 Jun 09 00:52 3562 Jul 11 10:29 3562 Sep 26 00:18 3562 Nov 10 13:14 3562 Dec 21 04:18 3563 Jan 29 06:21 3563 Mar 09 10:35 3563 Mar 16 12:17 3563 Apr 18 17:33 3563 May 30 18:06	11°¾41'23 11°¾35'58 8°₰54'59 2°₰15'39 0°₴ 0°₩ 0°भ 0°Y 0°Ы 5°♥20'33 0°Щ 0°©	-1.9m
asc. node  retrograde  opposition greatest brilliancy	3557 Apr 02 05:15 3557 Apr 13 16:42 3557 May 10 10:32 3557 Jun 18 14:22 3557 Jul 24 14:34 3557 Jul 29 13:25 3557 Sep 11 06:04 3557 Oct 29 08:02 3557 Dec 28 19:59 3558 Feb 07 16:55 3558 Mar 17 03:16 3558 Mar 19 20:43 3558 Mar 19 21:38	0°Y 9°Y02'40 0°႘ 0°Ⅱ 26°Ⅱ27'46 0°ᢒ 0°ᡣ 0°₽ 8°£35'26 30°RM 28°№54'57	-1.3m	opposition greatest brilliancy min. Earth dist. direct	3562 Jun 01 11:22 3562 Jun 01 17:15 3562 Jun 09 00:52 3562 Jul 11 10:29 3562 Sep 26 00:18 3562 Nov 10 13:14 3562 Dec 21 04:18 3563 Jan 29 06:21 3563 Mar 09 10:35 3563 Mar 16 12:17 3563 Apr 18 17:33 3563 May 30 18:06 3563 Jun 18 18:38	11° 🗗 41'23 11° 🗗 35'58 8° 🗗 54'59 2° 🗗 15'39 0° 云 0° ※ 0° 光 0° Y 0° と 5° と20'33 0° 川 0° © 13° © 08'36	-1.9m
asc. node  retrograde  opposition greatest brilliancy min. Earth dist.	3557 Apr 02 05:15 3557 Apr 13 16:42 3557 May 10 10:32 3557 Jun 18 14:22 3557 Jul 24 14:34 3557 Jul 29 13:25 3557 Sep 11 06:04 3557 Oct 29 08:02 3557 Dec 28 19:59 3558 Feb 07 16:55 3558 Mar 17 03:16 3558 Mar 19 20:43 3558 Mar 19 21:38 3558 Mar 20 04:16	0°Y 9°Y02'40 0°႘ 0°Ⅱ 26°Ⅲ27'46 0°© 0°ᠷ 0°ዂ 0°₽ 8°₽35'26 30°Rዂ 28°ዂ54'57 28°ዂ54'03		opposition greatest brilliancy min. Earth dist. direct	3562 Jun 01 11:22 3562 Jun 01 17:15 3562 Jun 09 00:52 3562 Jul 11 10:29 3562 Sep 26 00:18 3562 Nov 10 13:14 3562 Dec 21 04:18 3563 Jan 29 06:21 3563 Mar 09 10:35 3563 Mar 16 12:17 3563 Apr 18 17:33 3563 May 30 18:06	11°¾41'23 11°¾35'58 8°₰54'59 2°₰15'39 0°₴ 0°₩ 0°भ 0°Y 0°Ы 5°♥20'33 0°Щ 0°©	-1.9m
asc. node  retrograde  opposition greatest brilliancy	3557 Apr 02 05:15 3557 Apr 13 16:42 3557 May 10 10:32 3557 Jun 18 14:22 3557 Jul 24 14:34 3557 Jul 29 13:25 3557 Sep 11 06:04 3557 Oct 29 08:02 3557 Dec 28 19:59 3558 Feb 07 16:55 3558 Mar 17 03:16 3558 Mar 19 20:43 3558 Mar 19 21:38 3558 Mar 20 04:16 3558 Apr 29 19:35	0°Y 9°Y02'40 0°႘ 0°Ⅱ 26°Ⅲ27'46 0°© 0°Ω 0°™ 0°₽ 8°₽35'26 30°R™ 28°™54'57 28°™54'03 28°™47'27 19°™04'35	-1.3m	opposition greatest brilliancy min. Earth dist. direct  asc. node evening set	3562 Jun 01 11:22 3562 Jun 01 17:15 3562 Jun 09 00:52 3562 Jul 11 10:29 3562 Sep 26 00:18 3562 Nov 10 13:14 3562 Dec 21 04:18 3563 Jun 29 06:21 3563 Mar 09 10:35 3563 Mar 16 12:17 3563 Apr 18 17:33 3563 May 30 18:06 3563 Jun 18 18:38 3563 Jul 13 17:02	11° 🗗 41'23 11° 🗗 35'58 8° 🗗 54'59 2° 🗗 15'39 0° 云 0° 米 0° Y 0° Y 0° B 5° B 20'33 0° II 0° © 13° © 08'36 0° Ω	-1.9m 0.55478 AU
asc. node  retrograde  opposition greatest brilliancy min. Earth dist. direct	3557 Apr 02 05:15 3557 Apr 13 16:42 3557 May 10 10:32 3557 Jun 18 14:22 3557 Jul 24 14:34 3557 Jul 29 13:25 3557 Sep 11 06:04 3557 Oct 29 08:02 3557 Dec 28 19:59 3558 Feb 07 16:55 3558 Mar 17 03:16 3558 Mar 19 20:43 3558 Mar 19 21:38 3558 Mar 20 04:16 3558 Apr 29 19:35 3558 Jun 16 18:41	0°Y 9°Y02'40 0°႘ 0°Ⅱ 26°Ⅲ27'46 0°ಽ 0°Ω 0°№ 0°Ω 8°೨35'26 30°៧ 28°№54'57 28°№54'03 28°№47'27 19°№04'35 0°Ω	-1.3m	opposition greatest brilliancy min. Earth dist. direct  asc. node evening set conjunction	3562 Jun 01 11:22 3562 Jun 01 17:15 3562 Jun 09 00:52 3562 Jul 11 10:29 3562 Sep 26 00:18 3562 Nov 10 13:14 3562 Dec 21 04:18 3563 Jan 29 06:21 3563 Mar 09 10:35 3563 Mar 16 12:17 3563 Apr 18 17:33 3563 May 30 18:06 3563 Jun 18 18:38 3563 Jul 13 17:02	11° ₹41'23 11° ₹35'58 8° ₹54'59 2° ₹15'39 0° ₹ 0° ₩ 0° ₩ 0° ₩ 0° ₩ 5° ₩20'33 0° Ⅲ 0° \$ 13° \$308'36 0° Ω	-1.9m 0.55478 AU 1°05'55
asc. node  retrograde  opposition greatest brilliancy min. Earth dist.	3557 Apr 02 05:15 3557 Apr 13 16:42 3557 May 10 10:32 3557 Jun 18 14:22 3557 Jul 24 14:34 3557 Jul 29 13:25 3557 Sep 11 06:04 3557 Oct 29 08:02 3557 Dec 28 19:59 3558 Feb 07 16:55 3558 Mar 17 03:16 3558 Mar 19 20:43 3558 Mar 19 21:38 3558 Mar 20 04:16 3558 Apr 29 19:35 3558 Jun 16 18:41 3558 Aug 06 19:27	0°Y 9°Y02'40 0°႘ 0°Ⅱ 26°Ⅲ27'46 0°९ 0°Д 0°№ 0°₽ 8°₽35'26 30°₹₩ 28°№54'57 28°№54'03 28°№47'27 19°№04'35 0°₽ 24°₽52'59	-1.3m	opposition greatest brilliancy min. Earth dist. direct  asc. node  evening set  conjunction minimum elong	3562 Jun 01 11:22 3562 Jun 01 17:15 3562 Jun 09 00:52 3562 Jul 11 10:29 3562 Sep 26 00:18 3562 Nov 10 13:14 3562 Dec 21 04:18 3563 Jun 29 06:21 3563 Mar 09 10:35 3563 Mar 16 12:17 3563 Apr 18 17:33 3563 May 30 18:06 3563 Jun 18 18:38 3563 Jul 13 17:02	11° ₹41'23 11° ₹35'58 8° ₹54'59 2° ₹15'39 0° ₹ 0° ¥ 0° ¥ 0° ¥ 0° ¥ 0° ¶ 0° \$ 13° \$208'36 0° \$\alpha\$ 17° \$\alpha 48'53 17° \$\alpha 47'43	-1.9m 0.55478 AU 1°05'55 1°05'55
asc. node  retrograde  opposition greatest brilliancy min. Earth dist. direct	3557 Apr 02 05:15 3557 Apr 13 16:42 3557 May 10 10:32 3557 Jun 18 14:22 3557 Jul 24 14:34 3557 Jul 29 13:25 3557 Sep 11 06:04 3557 Oct 29 08:02 3557 Dec 28 19:59 3558 Feb 07 16:55 3558 Mar 17 03:16 3558 Mar 19 20:43 3558 Mar 19 21:38 3558 Mar 20 04:16 3558 Apr 29 19:35 3558 Jun 16 18:41 3558 Aug 06 19:27 3558 Aug 15 19:37	0°Y 9°Y02'40 0°႘ 0°Ⅱ 26°Ⅲ27'46 0°९ 0°Д 0°№ 0°₽ 8°₽35'26 30°R№ 28°№54'57 28°№54'03 28°№4727 19°№04'35 0°₽ 24°₽52'59 0°ጤ	-1.3m	opposition greatest brilliancy min. Earth dist. direct  asc. node evening set conjunction	3562 Jun 01 11:22 3562 Jun 01 17:15 3562 Jun 09 00:52 3562 Jul 11 10:29 3562 Sep 26 00:18 3562 Nov 10 13:14 3562 Dec 21 04:18 3563 Jun 29 06:21 3563 Mar 09 10:35 3563 Mar 16 12:17 3563 Apr 18 17:33 3563 May 30 18:06 3563 Jun 18 18:38 3563 Jul 13 17:02 3563 Aug 09 15:47 3563 Aug 09 15:04 3563 Aug 25 07:46	11° 🗗 41'23 11° 🗗 35'58 8° 🗗 54'59 2° 🗗 15'39 0° 云 0° ※ 0° 光 0° Y 0° と 5° と20'33 0° II 0° © 13° © 08'36 0° ん 17° ん 48'53 17° ん 47'43 28° ん 00'44	-1.9m 0.55478 AU 1°05'55
asc. node  retrograde  opposition greatest brilliancy min. Earth dist. direct	3557 Apr 02 05:15 3557 Apr 13 16:42 3557 May 10 10:32 3557 Jun 18 14:22 3557 Jul 24 14:34 3557 Jul 29 13:25 3557 Sep 11 06:04 3557 Oct 29 08:02 3557 Dec 28 19:59 3558 Feb 07 16:55 3558 Mar 17 03:16 3558 Mar 19 20:43 3558 Mar 19 20:43 3558 Mar 20 04:16 3558 Apr 29 19:35 3558 Jun 16 18:41 3558 Aug 06 19:27 3558 Aug 15 19:37 3558 Oct 03 06:01	0°Y 9°Y02'40 0°႘ 0°Ⅱ 26°Ⅲ27'46 0°९ 0°៧ 0°№ 0° 8° £35'26 30°៧ 28° № 54'57 28° № 54'03 28° № 47'27 19° № 04'35 0° £ 24° £52'59 0° № 0° %	-1.3m	opposition greatest brilliancy min. Earth dist. direct  asc. node  evening set  conjunction minimum elong max. Earth dist.	3562 Jun 01 11:22 3562 Jun 01 17:15 3562 Jun 09 00:52 3562 Jul 11 10:29 3562 Sep 26 00:18 3562 Nov 10 13:14 3562 Dec 21 04:18 3563 Jun 29 06:21 3563 Mar 09 10:35 3563 Mar 16 12:17 3563 Apr 18 17:33 3563 May 30 18:06 3563 Jun 18 18:38 3563 Jul 13 17:02 3563 Aug 09 15:47 3563 Aug 09 15:04 3563 Aug 25 07:46 3563 Aug 28 09:31	11° \$\frac{7}{41'23} 11° \$\frac{7}{35'58} 8° \$\frac{7}{54'59} 2° \$\frac{7}{15'39} 0° \$\infty\$ 0° \$\infty\$ 0° \$\infty\$ 0° \$\infty\$ 5° \$\infty\$20'33 0° \$\infty\$ 13° \$\infty\$08'36 0° \$\infty\$ 17° \$\infty\$48'53 17° \$\infty\$47'43 28° \$\infty\$00'44 0° \$\infty\$	-1.9m 0.55478 AU 1°05'55 1°05'55
asc. node  retrograde  opposition greatest brilliancy min. Earth dist. direct	3557 Apr 02 05:15 3557 Apr 13 16:42 3557 May 10 10:32 3557 Jun 18 14:22 3557 Jul 24 14:34 3557 Jul 29 13:25 3557 Sep 11 06:04 3557 Oct 29 08:02 3557 Dec 28 19:59 3558 Feb 07 16:55 3558 Mar 17 03:16 3558 Mar 19 20:43 3558 Mar 19 20:43 3558 Mar 19 21:38 3558 Mar 20 04:16 3558 Apr 29 19:35 3558 Aug 06 19:27 3558 Aug 15 19:37 3558 Oct 03 06:01 3558 Nov 15 21:16	0°Y 9°Y02'40 0°႘ 0°Ⅱ 26°Ⅲ27'46 0°ಽ 0°ᠷ 0°ᡑ 0°ѕ 8°₤35'26 30°кф 28°ዂ54'57 28°ዂ54'33 28°ዂ47'27 19°ዂ04'35 0°료 24°욮52'59 0°ጤ 0°Ґ 0°Ґ	-1.3m	opposition greatest brilliancy min. Earth dist. direct  asc. node  evening set  conjunction minimum elong	3562 Jun 01 11:22 3562 Jun 01 17:15 3562 Jun 09 00:52 3562 Jul 11 10:29 3562 Sep 26 00:18 3562 Nov 10 13:14 3562 Dec 21 04:18 3563 Jan 29 06:21 3563 Mar 09 10:35 3563 Mar 16 12:17 3563 Apr 18 17:33 3563 May 30 18:06 3563 Jun 18 18:38 3563 Jul 13 17:02 3563 Aug 09 15:47 3563 Aug 09 15:04 3563 Aug 25 07:46 3563 Aug 28 09:31 3563 Sep 26 03:58	11° \$\frac{7}{41'23} 11° \$\frac{7}{35'58} 8° \$\frac{7}{54'59} 2° \$\frac{7}{15'39} 0° \$\infty\$ 0° \$\infty\$ 0° \$\infty\$ 5° \$\infty\$20'33 0° \$\infty\$ 13° \$\infty\$08'36 0° \$\infty\$ 17° \$\infty\$48'53 17° \$\infty\$47'43 28° \$\infty\$00'44 0° \$\infty\$ 18° \$\infty\$27'13	-1.9m 0.55478 AU 1°05'55 1°05'55
asc. node  retrograde  opposition greatest brilliancy min. Earth dist. direct	3557 Apr 02 05:15 3557 Apr 13 16:42 3557 May 10 10:32 3557 Jun 18 14:22 3557 Jul 24 14:34 3557 Jul 29 13:25 3557 Sep 11 06:04 3557 Oct 29 08:02 3557 Dec 28 19:59 3558 Feb 07 16:55 3558 Mar 17 03:16 3558 Mar 19 20:43 3558 Mar 19 21:38 3558 Mar 19 21:38 3558 Mar 20 04:16 3558 Apr 29 19:35 3558 Aug 06 19:27 3558 Aug 15 19:37 3558 Oct 03 06:01 3558 Nov 15 21:16 3558 Dec 26 12:30	0°Y 9°Y02'40 0°B 0°I 26°II27'46 0°S 0°A 0°M 0°A 8°A35'26 30°RM 28°M54'57 28°M54'03 28°M47'27 19°M04'35 0°A 24°A52'59 0°IL 0°₹ 0°S 0°S	-1.3m	opposition greatest brilliancy min. Earth dist. direct  asc. node  evening set  conjunction minimum elong max. Earth dist.	3562 Jun 01 11:22 3562 Jun 01 17:15 3562 Jun 09 00:52 3562 Jul 11 10:29 3562 Sep 26 00:18 3562 Nov 10 13:14 3562 Dec 21 04:18 3563 Jan 29 06:21 3563 Mar 09 10:35 3563 Mar 16 12:17 3563 Apr 18 17:33 3563 May 30 18:06 3563 Jun 18 18:38 3563 Jul 13 17:02 3563 Aug 09 15:47 3563 Aug 09 15:04 3563 Aug 25 07:46 3563 Aug 28 09:31 3563 Sep 26 03:58 3563 Oct 14 08:38	11° * 41'23 11° * 35'58 8° * 54'59 2° * 15'39 0° * 0° * 0° * 0° * 0° * 0° * 0° * 0° *	-1.9m 0.55478 AU 1°05'55 1°05'55
retrograde opposition greatest brilliancy min. Earth dist. direct desc. node	3557 Apr 02 05:15 3557 Apr 13 16:42 3557 May 10 10:32 3557 Jun 18 14:22 3557 Jul 24 14:34 3557 Jul 29 13:25 3557 Sep 11 06:04 3557 Oct 29 08:02 3557 Dec 28 19:59 3558 Feb 07 16:55 3558 Mar 17 03:16 3558 Mar 19 20:43 3558 Mar 19 20:43 3558 Mar 20 04:16 3558 Apr 29 19:35 3558 Jun 16 18:41 3558 Aug 06 19:27 3558 Aug 15 19:37 3558 Oct 03 06:01 3558 Dec 26 12:30 3559 Feb 03 07:23	0°Y 9°Y02'40 0°B 0°I 26°I27'46 0°S 0°I 0°I 0°I 0°I 0°I 28°I35'26 30°RI 28°I54'57 28°I54'03 28°I47'27 19°I04'35 0°I	-1.3m	opposition greatest brilliancy min. Earth dist. direct  asc. node  evening set  conjunction minimum elong max. Earth dist.	3562 Jun 01 11:22 3562 Jun 01 17:15 3562 Jun 09 00:52 3562 Jul 11 10:29 3562 Sep 26 00:18 3562 Nov 10 13:14 3562 Dec 21 04:18 3563 Jan 29 06:21 3563 Mar 09 10:35 3563 Mar 16 12:17 3563 Apr 18 17:33 3563 May 30 18:06 3563 Jun 18 18:38 3563 Jul 13 17:02 3563 Aug 09 15:47 3563 Aug 09 15:04 3563 Aug 25 07:46 3563 Aug 28 09:31 3563 Sep 26 03:58 3563 Oct 14 08:38 3563 Dec 01 05:08	11° \$\frac{7}{41'23} 11° \$\frac{7}{35'58} 8° \$\frac{7}{54'59} 2° \$\frac{7}{15'39} 0° \$\frac{7}{0} \$\frac{7}{	-1.9m 0.55478 AU 1°05'55 1°05'55
asc. node  retrograde  opposition greatest brilliancy min. Earth dist. direct	3557 Apr 02 05:15 3557 Apr 13 16:42 3557 May 10 10:32 3557 Jun 18 14:22 3557 Jul 24 14:34 3557 Jul 29 13:25 3557 Sep 11 06:04 3557 Oct 29 08:02 3557 Dec 28 19:59 3558 Feb 07 16:55 3558 Mar 17 03:16 3558 Mar 19 20:43 3558 Mar 19 20:43 3558 Mar 20 04:16 3558 Apr 29 19:35 3558 Jun 16 18:41 3558 Aug 06 19:27 3558 Aug 15 19:37 3558 Oct 03 06:01 3558 Dec 26 12:30 3559 Feb 03 07:23 3559 Feb 09 22:45	0°Y 9°Y02'40 0°B 0°I 26°I27'46 0°S 0°I 0°I 0°I 0°I 0°I 0°I 0°I 0°I 28°I 30°R 10 28°I 54'57 28°I 54'03 28°I 47'27 19°I 04'35 0°I 0°I 0°I 0°I 0°I 5°I 13'20	-1.3m	opposition greatest brilliancy min. Earth dist. direct  asc. node  evening set  conjunction minimum elong max. Earth dist.	3562 Jun 01 11:22 3562 Jun 01 17:15 3562 Jun 09 00:52 3562 Jul 11 10:29 3562 Sep 26 00:18 3562 Nov 10 13:14 3562 Dec 21 04:18 3563 Jan 29 06:21 3563 Mar 09 10:35 3563 Mar 16 12:17 3563 Apr 18 17:33 3563 May 30 18:06 3563 Jun 18 18:38 3563 Jul 13 17:02  3563 Aug 09 15:47 3563 Aug 09 15:04 3563 Aug 25 07:46 3563 Aug 28 09:31 3563 Sep 26 03:58 3563 Oct 14 08:38 3563 Dec 01 05:08 3564 Jan 19 01:23	11° \$\times^441'23 11° \$\times^335'58 8° \$\times^554'59 2° \$\times^15'39 0° \$\times 0° \$\times 0° \$\times 0° \$\times 08'36 0° \$\times 08'36 0° \$\times 08'36 0° \$\times 08'44'43 28° \$\times 09'44 0° \$\times 0°	-1.9m 0.55478 AU 1°05'55 1°05'55
retrograde opposition greatest brilliancy min. Earth dist. direct desc. node	3557 Apr 02 05:15 3557 Apr 13 16:42 3557 May 10 10:32 3557 Jun 18 14:22 3557 Jul 24 14:34 3557 Jul 29 13:25 3557 Sep 11 06:04 3557 Oct 29 08:02 3557 Dec 28 19:59 3558 Feb 07 16:55 3558 Mar 17 03:16 3558 Mar 19 20:43 3558 Mar 19 20:43 3558 Mar 20 04:16 3558 Apr 29 19:35 3558 Jun 16 18:41 3558 Aug 06 19:27 3558 Aug 15 19:37 3558 Oct 03 06:01 3558 Dec 26 12:30 3559 Feb 03 07:23	0°Y 9°Y02'40 0°B 0°I 26°I27'46 0°S 0°I 0°I 0°I 0°I 0°I 28°I35'26 30°RI 28°I54'57 28°I54'03 28°I47'27 19°I04'35 0°I	-1.3m	opposition greatest brilliancy min. Earth dist. direct  asc. node  evening set  conjunction minimum elong max. Earth dist. morning rise	3562 Jun 01 11:22 3562 Jun 01 17:15 3562 Jun 09 00:52 3562 Jul 11 10:29 3562 Sep 26 00:18 3562 Nov 10 13:14 3562 Dec 21 04:18 3563 Jun 29 06:21 3563 Mar 09 10:35 3563 Mar 16 12:17 3563 Apr 18 17:33 3563 May 30 18:06 3563 Jun 18 18:38 3563 Jul 13 17:02  3563 Aug 09 15:47 3563 Aug 09 15:04 3563 Aug 28 09:31 3563 Sep 26 03:58 3563 Oct 14 08:38 3563 Dec 01 05:08 3564 Jan 19 01:23 3564 Mar 10 04:40	11° \$\times^441'23 11° \$\times^335'58 8° \$\times^54'59 2° \$\times^15'39 0° \$\times 0° \times 0° \times 0° \times 08'36 0° \$\times 08'36 0° \$\times 08'44 0° \$\times 09'44 0° \$\times 09 \times 09'44 0° \$\times 09'44 0° \$\times 09'44	-1.9m 0.55478 AU 1°05'55 1°05'55
asc. node  retrograde  opposition greatest brilliancy min. Earth dist. direct  desc. node	3557 Apr 02 05:15 3557 Apr 13 16:42 3557 May 10 10:32 3557 Jun 18 14:22 3557 Jul 24 14:34 3557 Jul 29 13:25 3557 Sep 11 06:04 3557 Oct 29 08:02 3557 Dec 28 19:59 3558 Feb 07 16:55 3558 Mar 17 03:16 3558 Mar 17 03:16 3558 Mar 19 20:43 3558 Mar 19 20:43 3558 Mar 20 04:16 3558 Apr 29 19:35 3558 Jun 16 18:41 3558 Aug 06 19:27 3558 Aug 15 19:37 3558 Oct 03 06:01 3558 Dec 26 12:30 3559 Feb 03 07:23 3559 Feb 09 22:45 3559 Mar 13 06:53	0°Y 9°Y02'40 0°႘ 0°Ⅱ 26°Ⅲ27'46 0°© 0°Д 0°№ 0°₽ 8°₽35'26 30°R№ 28°№54'57 28°№54'03 28°№47'27 19°№04'35 0°₽ 24°₽52'59 0°ጤ 0°⊀ 0°♂ 0°% 5°升 13'20 0°Y	-1.3m 0.67887 AU	opposition greatest brilliancy min. Earth dist. direct  asc. node  evening set  conjunction minimum elong max. Earth dist.	3562 Jun 01 11:22 3562 Jun 01 17:15 3562 Jun 09 00:52 3562 Jul 11 10:29 3562 Sep 26 00:18 3562 Nov 10 13:14 3562 Dec 21 04:18 3563 Jun 29 06:21 3563 Mar 09 10:35 3563 Mar 16 12:17 3563 Apr 18 17:33 3563 May 30 18:06 3563 Jun 18 18:38 3563 Jul 13 17:02  3563 Aug 09 15:47 3563 Aug 09 15:04 3563 Aug 28 09:31 3563 Aug 28 09:31 3563 Sep 26 03:58 3563 Oct 14 08:38 3563 Dec 01 05:08 3564 Jan 19 01:23 3564 Mar 10 04:40 3564 Mar 28 15:51	11° \$\times^441'23 11° \$\times^335'58 8° \$\times^54'59 2° \$\times^15'39 0° \$\times^0 \times^0 \times^	-1.9m 0.55478 AU 1°05'55 1°05'55
asc. node  retrograde opposition greatest brilliancy min. Earth dist. direct desc. node  evening set conjunction	3557 Apr 02 05:15 3557 Apr 13 16:42 3557 May 10 10:32 3557 Jun 18 14:22 3557 Jul 24 14:34 3557 Jul 29 13:25 3557 Sep 11 06:04 3557 Oct 29 08:02 3557 Dec 28 19:59 3558 Feb 07 16:55 3558 Mar 17 03:16 3558 Mar 19 20:43 3558 Mar 19 20:43 3558 Mar 19 21:38 3558 Mar 20 04:16 3558 Apr 29 19:35 3558 Jun 16 18:41 3558 Aug 06 19:27 3558 Aug 15 19:37 3558 Oct 03 06:01 3558 Nov 15 21:16 3558 Dec 26 12:30 3559 Feb 03 07:23 3559 Feb 09 22:45 3559 Mar 13 06:53	0°Y 9°Y02'40 0°႘ 0°Ⅱ 26°Ⅲ27'46 0°ಽ 0°Д 0°№ 0°⊆ 8°₤35'26 30°₨№ 28°№54'57 28°№54'03 28°№47'27 19°№04'35 0°⊆ 24°₤52'59 0°ጤ 0°Ґ 0°Ґ 0°Ґ 5°ዃ 13'20 0°Y	-1.3m 0.67887 AU -0°34'31	opposition greatest brilliancy min. Earth dist. direct  asc. node  evening set  conjunction minimum elong max. Earth dist. morning rise	3562 Jun 01 11:22 3562 Jun 01 17:15 3562 Jun 09 00:52 3562 Jul 11 10:29 3562 Sep 26 00:18 3562 Nov 10 13:14 3562 Dec 21 04:18 3563 Jun 29 06:21 3563 Mar 09 10:35 3563 Mar 16 12:17 3563 Apr 18 17:33 3563 May 30 18:06 3563 Jun 18 18:38 3563 Jul 13 17:02  3563 Aug 09 15:47 3563 Aug 09 15:04 3563 Aug 28 09:31 3563 Aug 28 09:31 3563 Sep 26 03:58 3563 Dec 01 05:08 3564 Jan 19 01:23 3564 Mar 10 04:40 3564 Mar 28 15:51 3564 May 09 15:10	11° \$\times^441'23 11° \$\times^35'58 8° \$\times^55'59 2° \$\times^15'39 0° \$\times 0° \$\times 0° \$\times 08'33 0° \$\times 08'36 0° \$\times 08'36 0° \$\times 08'44 0° \$\times 18° \$\times 27'13 0° \$\times 00' \$\ti	-1.9m 0.55478 AU 1°05'55 1°05'55
asc. node  retrograde  opposition greatest brilliancy min. Earth dist. direct  desc. node	3557 Apr 02 05:15 3557 Apr 13 16:42 3557 May 10 10:32 3557 Jun 18 14:22 3557 Jul 24 14:34 3557 Jul 29 13:25 3557 Sep 11 06:04 3557 Oct 29 08:02 3557 Dec 28 19:59 3558 Feb 07 16:55 3558 Mar 17 03:16 3558 Mar 19 20:43 3558 Mar 19 20:43 3558 Mar 19 21:38 3558 Mar 20 04:16 3558 Apr 29 19:35 3558 Jun 16 18:41 3558 Aug 06 19:27 3558 Aug 15 19:37 3558 Oct 03 06:01 3558 Nov 15 21:16 3558 Dec 26 12:30 3559 Feb 03 07:23 3559 Feb 09 22:45 3559 Mar 13 06:53	0°Y 9°Y02'40 0°႘ 0°Ⅱ 26°Ⅲ27'46 0°₷ 0°Д 0°№ 0°₽ 8°₽35'26 30°₹№ 28°№54'57 28°№54'03 28°№47'27 19°№04'35 0°₽ 24°₽52'59 0°Ⅲ 0°⊀ 0°% 0°% 5°升13'20 0°Y 29°Y12'54 29°Y18'47	-1.3m 0.67887 AU -0°34'31	opposition greatest brilliancy min. Earth dist. direct  asc. node  evening set  conjunction minimum elong max. Earth dist.  morning rise  desc. node retrograde	3562 Jun 01 11:22 3562 Jun 01 17:15 3562 Jun 09 00:52 3562 Jul 11 10:29 3562 Sep 26 00:18 3562 Nov 10 13:14 3562 Dec 21 04:18 3563 Jun 29 06:21 3563 Mar 09 10:35 3563 Mar 16 12:17 3563 Apr 18 17:33 3563 May 30 18:06 3563 Jun 18 18:38 3563 Jul 13 17:02  3563 Aug 09 15:47 3563 Aug 09 15:04 3563 Aug 28 09:31 3563 Aug 28 09:31 3563 Sep 26 03:58 3563 Oct 14 08:38 3563 Dec 01 05:08 3564 Jan 19 01:23 3564 Mar 10 04:40 3564 Mar 28 15:51 3564 May 09 15:10 3564 Jun 23 21:12	11° \$\times^441'23 11° \$\times^35'58 8° \$\times^55'59 2° \$\times^15'39 0° \$\times 0° \$\times 0° \$\times 0° \$\times 08'36 0° \$\times 08'36 0° \$\times 08'36 0° \$\times 08'44 0° \$\times 18° \$\times 27'13 0° \$\times 0° \$\times 10° \$\times 08'35 0° \$\times 10° \$\times 08'35 0° \$\times 10° \$\times 14'20	-1.9m 0.55478 AU 1°05'55 1°05'55 2.63717 AU
asc. node  retrograde opposition greatest brilliancy min. Earth dist. direct desc. node  evening set conjunction	3557 Apr 02 05:15 3557 Apr 13 16:42 3557 Apr 13 16:42 3557 May 10 10:32 3557 Jun 18 14:22 3557 Jul 24 14:34 3557 Jul 29 13:25 3557 Sep 11 06:04 3557 Oct 29 08:02 3557 Dec 28 19:59 3558 Feb 07 16:55 3558 Mar 17 03:16 3558 Mar 19 20:43 3558 Mar 19 21:38 3558 Mar 19 21:38 3558 Mar 20 04:16 3558 Apr 29 19:35 3558 Jun 16 18:41 3558 Aug 06 19:27 3558 Aug 15 19:37 3558 Oct 03 06:01 3558 Nov 15 21:16 3558 Dec 26 12:30 3559 Feb 03 07:23 3559 Feb 09 22:45 3559 Mar 13 06:53	0°Y 9°Y02'40 0°B 0°I 26°I127'46 0°S 0°A 0°M 0°A 8°A35'26 30°RM 28°M54'57 28°M54'03 28°M54'727 19°M04'35 0°A 24°A52'59 0°IL 0°X' 0°S 0°X 5°X13'20 0°Y 29°Y12'54 29°Y18'47	-1.3m 0.67887 AU -0°34'31	opposition greatest brilliancy min. Earth dist. direct  asc. node  evening set  conjunction minimum elong max. Earth dist. morning rise  desc. node  retrograde opposition	3562 Jun 01 11:22 3562 Jun 01 17:15 3562 Jun 09 00:52 3562 Jul 11 10:29 3562 Sep 26 00:18 3562 Nov 10 13:14 3562 Dec 21 04:18 3563 Jun 29 06:21 3563 Mar 09 10:35 3563 Mar 16 12:17 3563 Apr 18 17:33 3563 May 30 18:06 3563 Jun 18 18:38 3563 Jul 13 17:02  3563 Aug 09 15:47 3563 Aug 09 15:04 3563 Aug 25 07:46 3563 Aug 28 09:31 3563 Aug 28 09:31 3563 Sep 26 03:58 3563 Oct 14 08:38 3563 Dec 01 05:08 3564 Jan 19 01:23 3564 Mar 10 04:40 3564 Mar 28 15:51 3564 May 09 15:10 3564 Jun 23 21:12 3564 Jul 25 20:59	11° \$\frac{7}{41'23} 11° \$\frac{7}{35'58} 8° \$\frac{7}{54'59} 2° \$\frac{7}{15'39} 0° \$\frac{7}{0} \$\frac{7}{	-1.9m 0.55478 AU 1°05'55 1°05'55 2.63717 AU
asc. node  retrograde opposition greatest brilliancy min. Earth dist. direct desc. node  evening set conjunction	3557 Apr 02 05:15 3557 Apr 13 16:42 3557 May 10 10:32 3557 Jun 18 14:22 3557 Jul 24 14:34 3557 Jul 29 13:25 3557 Sep 11 06:04 3557 Oct 29 08:02 3557 Dec 28 19:59 3558 Feb 07 16:55 3558 Mar 17 03:16 3558 Mar 19 20:43 3558 Mar 19 20:43 3558 Mar 19 21:38 3558 Mar 20 04:16 3558 Apr 29 19:35 3558 Jun 16 18:41 3558 Aug 06 19:27 3558 Aug 15 19:37 3558 Oct 03 06:01 3558 Nov 15 21:16 3558 Dec 26 12:30 3559 Feb 03 07:23 3559 Feb 09 22:45 3559 Mar 13 06:53	0°Y 9°Y02'40 0°B 0°I 26°I127'46 0°S 0°A 0°M 0°A 0°M 28°M54'57 28°M54'03 28°M54'727 19°M04'35 0°A 24°A52'59 0°IL 0°X 0°S 0°S 0°S 0°S 0°S 0°Y 29°Y12'54 29°Y18'47 0°B 0°I	-1.3m 0.67887 AU -0°34'31	opposition greatest brilliancy min. Earth dist. direct  asc. node  evening set  conjunction minimum elong max. Earth dist.  morning rise  desc. node retrograde	3562 Jun 01 11:22 3562 Jun 01 17:15 3562 Jun 09 00:52 3562 Jul 11 10:29 3562 Sep 26 00:18 3562 Nov 10 13:14 3562 Dec 21 04:18 3563 Jun 29 06:21 3563 Mar 09 10:35 3563 Mar 16 12:17 3563 Apr 18 17:33 3563 May 30 18:06 3563 Jun 18 18:38 3563 Jul 13 17:02  3563 Aug 09 15:47 3563 Aug 09 15:04 3563 Aug 28 09:31 3563 Aug 28 09:31 3563 Sep 26 03:58 3563 Oct 14 08:38 3563 Dec 01 05:08 3564 Jan 19 01:23 3564 Mar 10 04:40 3564 Mar 28 15:51 3564 May 09 15:10 3564 Jun 23 21:12	11° \$\times^441'23 11° \$\times^35'58 8° \$\times^55'59 2° \$\times^15'39 0° \$\times 0° \$\times 0° \$\times 0° \$\times 08'36 0° \$\times 08'36 0° \$\times 08'36 0° \$\times 08'44 0° \$\times 18° \$\times 27'13 0° \$\times 0° \$\times 10° \$\times 08'35 0° \$\times 10° \$\times 08'35 0° \$\times 10° \$\times 14'20	-1.9m 0.55478 AU 1°05'55 1°05'55 2.63717 AU -5°31'59 -2.6m

direct	3564 Aug 10 02:47 3564 Aug 29 11:45	30°Rる 27°る29'20		desc. node	3569 Nov 18 13:19 3569 Nov 19 03:04	29° <b>M</b> 36'46 0° <b>₹</b>	
	3564 Sep 17 17:12	0° <b>≈</b>					
	3564 Nov 18 05:49	0° <b>)</b> €		conjunction	3569 Nov 28 22:40	6° <b>∡</b> 740'16	-0°05'58
	3565 Jan 01 09:15	$0$ ° $\Upsilon$		minimum elong	3569 Nov 28 22:27	6° <b>₰</b> ³39'54	0°05'57
asc. node	3565 Jan 31 11:05	21° <b>Y</b> 27'03		behind sun begin	3569 Nov 28 03:41	6° <b>∡</b> 107'51	
	3565 Feb 12 09:47	$9^{\circ}$ 8		behind sun end	3569 Nov 29 17:14	7° <b>∡</b> 11'59	
	3565 Mar 26 18:34	$\Pi^{\circ}0$			3570 Jan 01 11:04	0°ರ	
	3565 May 09 09:55	0ಂತ		morning rise	3570 Jan 16 13:48	10° <b>る</b> 48'02	
	3565 Jun 23 13:51	$0^{\circ}\Omega$			3570 Feb 11 20:57	0° <b>≈</b>	
evening set	3565 Jul 31 14:10	24° <b>Ω</b> 36'34			3570 Mar 23 18:46	0° <b>)</b> €	
	3565 Aug 09 00:04	0° <b>m</b>			3570 May 01 19:08	0° <b>Υ</b>	
	2565.0 16.00.22	2.40 7 2012.1	1002126		3570 Jun 09 17:53	8°0	
conjunction	3565 Sep 16 09:32	24° Mp 28'31	1°03'26 1°03'25		3570 Jul 19 17:04	0ಂ <b>ಲ</b> 0∘∏	
minimum elong max. Earth dist.	3565 Sep 16 10:18 3565 Sep 17 03:10	24° m/29'44 24° m/56'33		asc. node	3570 Aug 31 08:18 3570 Sep 23 08:13	0 55 14°5947'59	
max. Earth dist.	3565 Sep 25 02:01	0° <b>∵</b>	2.07038 AU	asc. node	3570 Sep 23 08:13 3570 Oct 19 19:12	0°Ω	
morning rise	3565 Oct 30 20:24	22° <b>Ω</b> 46'36		retrograde	3570 Dec 22 02:12	20°Ω02'21	
morning rise	3565 Nov 11 03:38	0°M.		min. Earth dist.	3571 Jan 25 19:37	12° <b>Ω</b> 07'33	0.61145 AU
	3565 Dec 27 17:39	0° <b>∡</b> 7		opposition	3571 Jan 30 21:22	10°Ω06'44	4°27'41
	3566 Feb 11 17:18	0°ರ		greatest brilliancy	3571 Jan 30 01:35	10° <b>Ω</b> 26′22	-1.6m
desc. node	3566 Feb 13 15:12	1° <b>る</b> 15'19		direct	3571 Mar 09 17:59	1° <b>Ω</b> 18'59	
	3566 Mar 29 07:22	0°≈			3571 Jun 04 07:05	0° <b>m</b>	
	3566 May 14 02:55	0° <b>)</b> €			3571 Jul 28 14:06	0∘ <b>⊽</b>	
	3566 Jul 01 13:47	$0^{\circ}\mathbf{\Upsilon}$			3571 Sep 15 17:22	0°M₊	
retrograde	3566 Sep 12 09:17	26° <b>Y</b> 24'04		desc. node	3571 Oct 06 11:52	13°M21'30	
min. Earth dist.	3566 Oct 09 15:36		0.37846 AU		3571 Oct 31 12:52	0° <b>∡</b> ¹	
opposition	3566 Oct 13 18:37	20° <b>Y</b> 47'06		evening set	3571 Nov 23 14:58	15° <b>≯</b> 52'16	
greatest brilliancy	3566 Oct 13 07:18	20° <b>℃</b> 55'01	-2.9m	max. Earth dist.	3571 Dec 08 01:18		2.47701 AU
direct	3566 Nov 12 07:08	15° <b>Y</b> 44'57			3571 Dec 13 13:58	0°ප	
asc. node	3566 Dec 19 10:40	23° <b>Y</b> 43'16			2572 I 15 02-21	220740100	0952112
	3567 Jan 03 01:21 3567 Feb 26 11:56	0°H 8°0		conjunction minimum elong	3572 Jan 15 02:21 3572 Jan 15 00:31	23°る48'00 23°る44'36	
	3567 Apr 16 04:26	0ಂಲ ೧ π		minimum ciong	3572 Jan 23 08:57	23 <b>○</b> 44 30 0 ≈	0 32 12
	3567 Jun 03 03:09	0° <b>U</b>			3572 Mar 02 13:14	0° <b>∺</b>	
	3567 Jul 21 02:59	0° <b>m</b>		morning rise	3572 Mar 15 04:01	9° <b>₩</b> 50'03	
	3567 Sep 06 21:49	0∘ <u>⊽</u>			3572 Apr 09 21:07	$0^{\circ}\Upsilon$	
evening set	3567 Sep 07 07:56	0° <b>£</b> 15'58		greatest brilliancy	3572 Apr 28 09:36	14° <b>Ƴ</b> 32'08	1.2m
max. Earth dist.	3567 Oct 10 02:40	21° <b>≏</b> 07'11	2.66073 AU		3572 May 18 05:09	$8^{\circ}$ 0	
					3572 Jun 26 10:56	$\Pi^{\circ}0$	
conjunction	3567 Oct 22 13:00	29° <b>≏</b> 07'07	0°37'03		3572 Aug 06 13:32	0ංම	
minimum elong	3567 Oct 22 13:59	29° <b>ഫ</b> 08'43	0°37'02	asc. node	3572 Aug 10 08:22	2° <b>5</b> 40'05	
	3567 Oct 23 21:44	0°M₊			3572 Sep 19 18:54	$0 ^{\circ} \Omega$	
morning rise	3567 Dec 06 03:08	28°M21'15			3572 Nov 09 00:22	0° <b>m</b>	
	3567 Dec 08 14:23	0° <b>∡</b> 7		retrograde	3573 Jan 25 10:03	25° m 51'57	100 410 5
desc. node	3568 Jan 01 14:30	16°♂10'36 0°る		opposition	3573 Mar 06 17:17	16° Mp 01'20	4°24'25
	3568 Jan 21 18:13	0° <b>≈</b>		min. Earth dist.	3573 Mar 05 12:16 3573 Mar 06 12:31	16° Mp 30'20	0.67267 AU
	3568 Mar 04 10:02 3568 Apr 14 19:32	0 <b>≈</b> 0° <b>H</b>		greatest brilliancy direct	3573 Apr 16 01:50	16° Mp 06'05 6° Mp 23'00	-1.3m
	3568 May 25 10:57	0° <b>Υ</b>		unoci	3573 Jul 01 14:25	0° <b>Ω</b>	
	3568 Jul 05 09:28	0°8		desc. node	3573 Aug 23 10:23	29° <b>⊆</b> 10'08	
	3568 Aug 18 00:03	0°II			3573 Aug 24 19:35	0°M	
	3568 Oct 15 03:43	0ಂತ			3573 Oct 11 01:30	0° <b>∡</b> ¹	
asc. node	3568 Nov 05 08:47	4°520'46			3573 Nov 23 09:04	8°0	
retrograde	3568 Nov 10 05:46	4° <b>9</b> 31'16			3574 Jan 02 23:17	0° <b>≈</b>	
	3568 Dec 05 10:54	30° <b>₹Ⅱ</b>		evening set	3574 Jan 14 23:59	9° <b>≈</b> 10'57	
min. Earth dist.	3568 Dec 09 11:53	28° <b>Ⅲ</b> 36′21	0.49293 AU		3574 Feb 10 19:17	0° <b>∀</b>	
opposition	3568 Dec 17 13:58	25° <b>II</b> 38'12	2°13'55				
greatest brilliancy	3568 Dec 16 20:27	25° <b>∏</b> 54'19	-2.2m	conjunction	3574 Mar 20 18:45	29° <b>)</b> 58'03	
direct	3569 Jan 20 10:54	18° <b>Ⅱ</b> 23'39		minimum elong	3574 Mar 20 21:35	0° <b>Υ</b> 03'38	0°56'44
	3569 Mar 09 13:39	0° <b>©</b>		TO 41 12 1	3574 Mar 20 19:44	0° <b>Υ</b>	2.26005 133
	3569 May 08 15:19	0° <b>N</b>		max. Earth dist.	3574 Apr 06 15:13	13° <b>Y</b> 16'35	2.36985 AU
	3569 Jun 29 15:25	0 <b>்⊽</b> 0° மி		morning rise	3574 Apr 27 23:05	0° <b>と</b> 25° <b>と</b> 32'58	
	3569 Aug 18 03:10 3569 Oct 04 16:04	0° <b>M</b>		morning rise	3574 May 31 04:34 3574 Jun 06 02:07	25° <b>O</b> 32′58 0° <b>Ⅱ</b>	
evening set	3569 Oct 14 16:04 3569 Oct 13 07:23	5°M235'41		asc. node	3574 Jun 28 06:53	0 H 16°H29'11	
max. Earth dist.	3569 Nov 03 13:11		2.59209 AU	asc. node	3574 Jul 16 22:51	0°95	
WIDE.	2232 2.07 00 10.11	1100001	, 20, 110		10 22.01	- <del>-</del>	

	2574 4 20 04 56	00.0			2570 0 + 20 01 54	00-	
	3574 Aug 29 04:56	$0$ $^{\circ}$ $\Omega$			3579 Oct 20 01:54	0° <b>≈</b>	
	3574 Oct 14 14:34	0° mp			3579 Dec 03 20:54	0° <b>ℋ</b>	
	3574 Dec 05 08:14	0∘ <b>⊽</b>			3580 Jan 13 18:59	$\mathbf{\gamma}_0$	
retrograde	3575 Mar 01 02:03	28° <b>≏</b> 58'44		asc. node	3580 Feb 18 03:27	26° <b>Ƴ</b> 16'56	
opposition	3575 Apr 09 16:44	19° <b>≏</b> 40'36	3°04'15		3580 Feb 23 04:13	$_{0\circ}$ 8	
greatest brilliancy	3575 Apr 09 23:54	19° <b>₽</b> 33'32	-1.3m		3580 Apr 04 10:31	$\Pi^{\circ}0$	
min. Earth dist.	3575 Apr 12 08:24	18° <b>≏</b> 37'56	0.66810 AU		3580 May 17 06:14	0ංම	
direct	3575 May 21 03:45	9° <b>₽</b> 39'31			3580 Jun 30 19:59	$0^{\circ}\Omega$	
desc. node	3575 Jul 11 09:09	22° <b>£</b> 11'43		evening set	3580 Jul 15 15:15	9° <b>Ω</b> 44'04	
desc. node				evening set			
	3575 Jul 28 08:50	0°M			3580 Aug 15 21:13	0° <b>m</b>	
	3575 Sep 19 02:27	0° <b>∡</b>					
	3575 Nov 02 21:13	0°ප		conjunction	3580 Sep 01 22:05	10° <b>m</b> 55'38	1°07'41
	3575 Dec 13 20:48	0° <b>≈</b>		minimum elong	3580 Sep 01 22:25	10° <b>m</b> 56'09	1°07'41
	3576 Jan 21 18:08	0° <b>∀</b>		max. Earth dist.	3580 Sep 08 02:28	14° <b>m</b> 52'41	2.66763 AU
	3576 Feb 28 18:51	$0$ ° $\mathbf{\gamma}$			3580 Oct 01 20:24	0∘ <b>ত</b>	
greatest brilliancy	3576 Mar 05 05:02	4° <b>Υ</b> 17'03	1.2m	morning rise	3580 Oct 17 03:40	9° <b>£</b> 43'01	
evening set	3576 Mar 25 14:52	20° <b>Y</b> 20′04		3 2	3580 Nov 18 02:56	0° <b>M</b>	
o ronning soc	3576 Apr 07 00:24	0°8			3581 Jan 04 08:34	0° <b>∡</b> 7	
aga mada	•	29° <b>8</b> 10'06			3581 Feb 20 16:08	0°ਤ ਹ	
asc. node	3576 May 15 05:24						
	3576 May 16 08:03	$\Pi^{\circ}0$		desc. node	3581 Mar 02 06:31	6° <b>ට</b> 03'04	
					3581 Apr 09 19:09	0° <b>≈</b>	
conjunction	3576 May 31 01:11	10° <b>Ⅱ</b> 55′00	0°10'27		3581 May 31 09:31	0° <b>ℋ</b>	
minimum elong	3576 May 31 00:22	10° <b>Ⅱ</b> 53'30	0°10'26	retrograde	3581 Aug 12 05:15	24° <b>∺</b> 28'36	
behind sun begin	3576 May 30 03:58	10° <b>Ⅲ</b> 15'59		opposition	3581 Sep 11 03:20	19° <b>)</b> 32'31	-6°31'30
behind sun end	3576 May 31 20:46	11° <b>Ⅱ</b> 30'58		greatest brilliancy	3581 Sep 11 14:43	19° <b>¥</b> 25′00	-2.9m
	3576 Jun 26 09:44	0°©		min. Earth dist.	3581 Sep 12 13:48	19° <b>)</b> €09'45	0.37282 AU
max. Earth dist.	3576 Jul 13 18:00	12° <b>©</b> 13'36	2.49549 AU	direct	3581 Oct 11 04:07	14° <b>)</b> (30'18	0.57202710
	3576 Jul 29 20:32	23°921'16	2.47547 AO	direct		0° <b>Υ</b>	
morning rise				1	3581 Dec 03 01:50		
	3576 Aug 08 15:02	$0^{\circ}\Omega$		asc. node	3582 Jan 05 01:55	18° <b>Ƴ</b> 32'46	
	3576 Sep 23 03:41	O° My			3582 Jan 23 11:55	0°8	
	3576 Nov 10 05:59	0∘ <b>⊽</b>			3582 Mar 10 16:50	$\Pi$ $^{\circ}0$	
	3577 Jan 01 09:34	$0^{\circ}$ M			3582 Apr 25 12:39	$0$ $\circ$ $\odot$	
	3577 Mar 11 01:25	0° <b>∡</b> ¹			3582 Jun 11 01:10	$0^{\circ}\Omega$	
retrograde	3577 Apr 08 02:18	4° <b>∡</b> 10'30			3582 Jul 28 06:36	0° mp	
C	3577 May 03 23:02	30°RM₀		evening set	3582 Aug 24 00:56	16° <b>m</b> ) 54'58	
opposition	3577 May 15 19:06	25°M49'26	0°30'28		3582 Sep 13 16:59	0∘ <b>ಹ</b>	
greatest brilliancy	3577 May 15 19:00 3577 May 15 22:22	25°M46'21	-1.7m	max. Earth dist.	3582 Oct 01 06:11	ა <b>_</b> 11° <b>ჲ</b> 09'13	2.67335 AU
	•			max. Earth dist.	3382 Oct 01 00.11	11 = 09 13	2.07333 AU
min. Earth dist.	3577 May 22 03:06	23°M25'40	0.59830 AU				
desc. node	3577 May 28 08:03	21°M12'08		conjunction	3582 Oct 08 12:18	15° <b>≙</b> 46'57	
direct	3577 Jun 25 16:07	16°M00'51		minimum elong	3582 Oct 08 13:23	15° <b>≏</b> 48'40	0°49'35
	3577 Aug 16 22:03	0°⋪			3582 Oct 30 16:06	0° <b>M</b> .	
	3577 Oct 08 11:10	0°ರ		morning rise	3582 Nov 21 15:49	14°ML15'28	
	3577 Nov 20 12:22	0° <b>≈</b>			3582 Dec 15 15:05	0° <b>∡</b> ¹	
	3577 Dec 30 06:11	0° <b>∀</b>		desc. node	3583 Jan 18 05:12	22° <b>҂</b> 27′02	
	3578 Feb 06 19:56	$0$ $^{\circ}$ $\mathbf{\Upsilon}$			3583 Jan 29 08:29	0°రె	
	3578 Mar 17 13:57	0°8			3583 Mar 13 20:30	0° <b>≈</b>	
asa nada	3578 Apr 02 05:18	11° <b>8</b> 53'50			3583 Apr 25 08:31	0° <b>∺</b>	
asc. node	•					0° <b>Υ</b>	
	3578 Apr 26 11:13	0°II			3583 Jun 06 10:22		
evening set	3578 May 29 11:24	23° <b>∏</b> 53'44			3583 Jul 19 17:26	0°8	
	3578 Jun 07 02:34	$0$ $\circ$ $\odot$			3583 Sep 08 18:41	$\Pi^{\circ}0$	
	3578 Jul 20 18:06	$0$ $\circ$ $\Omega$		retrograde	3583 Oct 22 00:55	11° <b>Ⅲ</b> 31′05	
				min. Earth dist.	3583 Nov 18 06:01	6° <b>Ⅱ</b> 27'12	0.43949 AU
conjunction	3578 Jul 23 16:07	1° <b>Ω</b> 57'30	0°58'23	asc. node	3583 Nov 23 02:18	4° <b>Ⅱ</b> 49'43	
minimum elong	3578 Jul 23 14:40	1° <b>Ω</b> 55'05	0°58'23	opposition	3583 Nov 26 09:02	3° <b>Ⅱ</b> 42'37	0°12'00
max. Earth dist.	3578 Aug 15 08:49		2.60713 AU	greatest brilliancy	3580 Aug 26 21:46	7° m 04'37	1.6m
man. Darut dige.	3578 Sep 04 06:43	0° m/	2.00715110	greatest stilliane)	3583 Dec 08 11:36	30° <b>₽</b>	1.011
mamina rias	-			direct		27° <b>8</b> 21'23	
morning rise	3578 Sep 11 10:58	4° m 37'54		direct	3583 Dec 28 09:25		
	3578 Oct 21 08:41	0° <b>™</b>			3584 Jan 18 05:05	U°0 I	
	3578 Dec 08 20:11	0° <b>M</b>			3584 Mar 27 07:32	0ංම	
	3579 Jan 28 10:23	0°⊀			3584 May 18 16:51	$0^{\circ}\Omega$	
	3579 Mar 26 05:51	0°ප			3584 Jul 07 14:26	0° <b>m</b> )	
desc. node	3579 Apr 15 07:32	8° <b>ප</b> 31'40			3584 Aug 25 06:12	0∘ <b>ত</b>	
retrograde	3579 May 29 11:03	18° <b>පි</b> 08'11		evening set	3584 Sep 28 17:57	21° <b>≏</b> 47'36	
opposition	3579 Jul 02 11:16	11° <b>る</b> 26'56	-3°39'33	-	3584 Oct 11 12:22	0° <b>M</b>	
greatest brilliancy	3579 Jul 03 13:27	11° <b>る</b> 04'54		max. Earth dist.	3584 Oct 24 01:48		2.62502 AU
min. Earth dist.	3579 Jul 11 00:03		0.47492 AU	Darm dist.	555. 56t 27 01.70	5 HM07 50	2.02002710
		8°る33'03 3°る14'18	U.4/474 AU	agniumation	2504 Nov. 12 10.20	21° <b>M</b> .34'49	0°12'10
direct	3579 Aug 08 19:45	J U1418		conjunction	3584 Nov 13 10:30	41 II63449	0 12 10

minimum elong	3584 Nov 13 10:54	21°M35'30	0°12'00		3589 Jul 24 12:59	0° <b>©</b>	
•		21°M14'09	0 12 09			0°Ω	
behind sun begin behind sun end	3584 Nov 12 22:04 3584 Nov 13 23:45	21°M56'51			3589 Sep 05 23:20 3589 Oct 23 04:52	0° <b>m</b> )	
ocimia sun cha	3584 Nov 26 00:23	0° <b>x</b> <sup>7</sup>			3589 Oct 23 04:32 3589 Dec 17 19:07	0∘ <del>ت</del> الأس	
desc. node	3584 Nov 20 00:25 3584 Dec 05 04:05	6° <b>∡</b> 711'27		retrograde	3590 Feb 15 09:09	0 <b>—</b> 16° <b>≏</b> 17'52	
morning rise	3584 Dec 29 20:57	23°×10'59		opposition	3590 Mar 27 09:45	6° <b>-</b> 44'25	3°43'22
morning not	3585 Jan 08 14:46	ੁ°ਤ		greatest brilliancy	3590 Mar 27 13:21	6° <b>Ω</b> 40'51	-1.3m
	3585 Feb 19 10:15	0° <b>≈</b>		min. Earth dist.	3590 Mar 28 13:34	6° <b>£</b> 16'50	0.67781 AU
	3585 Mar 31 19:12	0° <b>)</b> €			3590 Apr 15 06:17	30°R, M)	
	3585 May 10 06:47	$_{0}$ $^{\circ}$ $\gamma$		direct	3590 May 07 14:45	26° m 49'00	
	3585 Jun 18 17:16	0°8			3590 May 31 18:10	0∘ <u>v</u>	
	3585 Jul 29 09:41	$\Pi^{\circ}0$		desc. node	3590 Jul 28 00:25	23° <b>≏</b> 24'22	
	3585 Sep 11 19:34	0ಂತ			3590 Aug 09 06:18	0° <b>M</b>	
asc. node	3585 Oct 10 01:38	16° <b>©</b> 18'19			3590 Sep 27 20:41	0° <b>∡</b> ″	
	3585 Nov 11 08:54	$0^{\circ}\Omega$			3590 Nov 10 20:41	0°రె	
retrograde	3585 Dec 06 23:41	4° <b>Ω</b> 10′25			3590 Dec 21 14:41	0° <b>≈</b>	
	3585 Dec 31 07:01	30° <b>₹</b> 5			3591 Jan 29 10:27	0° <b>)</b> €	
min. Earth dist.	3586 Jan 08 15:51	26°958'54	0.57046 AU	evening set	3591 Feb 25 20:44	21° <b>)</b> 38′25	
greatest brilliancy	3586 Jan 14 04:21	24°5549'37	-1.8m		3591 Mar 08 10:14	$0^{\circ}$ Y	
opposition	3586 Jan 15 03:24	24°527'06	3°58'32		3591 Apr 15 13:58	0°8	
direct	3586 Feb 20 15:03	16° <b>©</b> 09'30					
	3586 Apr 16 02:38	$0^{\circ}\Omega$		conjunction	3591 May 05 16:05	15° <b>8</b> 30'37	-0°18'12
	3586 Jun 14 21:12	0° <b>m</b>		minimum elong	3591 May 05 17:46	15° <b>8</b> 33'49	0°18'12
	3586 Aug 05 14:43	0∘ <b>ত</b>			3591 May 24 18:45	$\Pi$ $\circ 0$	
	3586 Sep 22 22:57	$0^{\circ}$ M		asc. node	3591 Jun 01 22:12	6°Ⅱ05'06	
desc. node	3586 Oct 23 02:50	19°M38'38		max. Earth dist.	3591 Jun 25 17:19	23° <b>Ⅲ</b> 32′13	2.44151 AU
evening set	3586 Nov 06 15:21	29°M22'18			3591 Jul 04 17:06	$0$ $\circ$	
	3586 Nov 07 13:39	0° <b>∡</b> ¹		morning rise	3591 Jul 09 23:56	3° <b>5</b> 45'54	
max. Earth dist.	3586 Nov 22 16:45	10° <b>∡</b> 720'19	2.52648 AU		3591 Aug 16 20:30	$0^{\circ}\Omega$	
	3586 Dec 20 16:37	0°ಕ			3591 Oct 01 13:06	0° <b>™</b>	
		_			3591 Nov 19 11:58	0∘ <b>⊽</b>	
conjunction	3586 Dec 26 02:51	3° <b>云</b> 53'28			3592 Jan 14 03:56	0° <b>M</b>	
minimum elong	3586 Dec 26 01:26	3° <b>る</b> 50'55	0°35'33	retrograde	3592 Mar 22 23:36	20° <b>™</b> 04'18	
	3587 Jan 30 16:26	0° <b>≈</b>		opposition	3592 Apr 30 14:40	11°M17'04	1°40'02
morning rise	3587 Feb 18 13:09	14°≈14'15		greatest brilliancy	3592 Apr 30 22:26	11°M09'33	-1.5m
	3587 Mar 11 02:25	0° <b>∀</b>		min. Earth dist.	3592 May 05 13:28	9°M22'25	0.63329 AU
	3587 Apr 18 15:24	$^{\circ \gamma}$		direct	3592 Jun 10 23:27	1°M17'25	
	3587 May 27 03:20	8°0		desc. node	3592 Jun 13 23:45	1°M20'49	
	3587 Jul 05 13:03	0° <b>I</b>			3592 Aug 31 22:10	0°⋜	
asc. node	3587 Aug 15 23:20 3587 Aug 27 23:54	8.2218,03 0.2			3592 Oct 18 13:57 3592 Nov 29 10:48	0° <b>≈</b>	
asc. Houe	3587 Sep 30 04:43	0°Ω			3593 Jan 07 16:55	0 <b>∞</b> 0° <b>∀</b>	
	3587 Sep 30 04.43 3587 Nov 24 06:08	0° <b>m</b> )			3593 Jan 07 10.33 3593 Feb 14 23:13	0°Υ	
retrograde	3588 Jan 13 00:35	12° Mp 42'58			3593 Peo 14 23:13 3593 Mar 25 10:20	%8 0°B	
min. Earth dist.	3588 Feb 19 13:41	3° mp 51'44	0.65641 AU	asc. node	3593 Apr 18 20:24	18° <b>8</b> 38'26	
opposition	3588 Feb 22 07:12	2° m/46'12	4°36'24	use. Hode	3593 May 04 00:31	0°II	
greatest brilliancy	3588 Feb 21 20:16	2° m/57'08		evening set	3593 May 01 00:51 3593 May 06 12:09	1° <b>Ⅱ</b> 50'33	
greatest offinally	3588 Feb 29 09:21	30°R <b>Ω</b>		evening sec	3593 Jun 14 08:56	0.2 2	
direct	3588 Apr 01 20:25	23° <b>Ω</b> 24'02					
	3588 May 07 22:46	0° <b>m</b> )		conjunction	3593 Jul 04 20:53	14°520'42	0°44'58
	3588 Jul 12 14:09	0∘ <del>⊽</del>		minimum elong	3593 Jul 04 18:57	14° <b>©</b> 17'22	0°44'56
	3588 Sep 02 00:48	0° <b>M</b> ₊			3593 Jul 27 18:50	$0^{\circ}\Omega$	
desc. node	3588 Sep 09 01:21	4°M22'06		max. Earth dist.	3593 Aug 04 05:27	5° <b>Ω</b> 00′10	2.56918 AU
	3588 Oct 18 13:10	0°⊀		morning rise	3593 Aug 26 18:16	19° <b>Ω</b> 55'54	
	3588 Nov 30 16:56	0° <b>ට</b>			3593 Sep 11 05:25	0° <b>m</b> )	
evening set	3588 Dec 23 02:42	16° <b>පි</b> 20'52			3593 Oct 28 12:57	0∘ <b>ত</b>	
	3589 Jan 10 08:16	0° <b>≈</b>			3593 Dec 16 22:40	$0^{\circ}$ M	
max. Earth dist.	3589 Jan 13 19:12	2° <b>≈</b> 37'09	2.39761 AU		3594 Feb 08 11:24	0° <b>∡</b> 7	
	3589 Feb 18 06:53	0° <b>)</b> €		desc. node	3594 May 01 22:14	29° <b>∡</b> 18'30	
				retrograde	3594 May 07 02:56	29° <b>∡</b> °28′14	
conjunction	3589 Feb 20 13:51	1° <b>)</b> 47′28	-1°04'56	opposition	3594 Jun 11 21:05	22° <b>尽</b> 00'53	-1°50'11
minimum elong	3589 Feb 20 13:59	1° <b>)</b> 47'44	1°04'55	greatest brilliancy	3594 Jun 12 09:47	21° <b>х</b> ⁴49'30	
	3589 Mar 28 09:29	0°Υ		min. Earth dist.	3594 Jun 19 23:54	19° <b>∡</b> 06'45	0.52780 AU
morning rise	3589 May 01 02:35	26° <b>Y</b> 31'16		direct	3594 Jul 21 03:19	12° <b>₹</b> '54'55	
	3589 May 05 13:35	0°8			3594 Sep 15 16:43	0°₹	
•	3589 Jun 13 16:14	0°II			3594 Nov 03 12:07	0° <b>≈</b>	
asc. node	3589 Jul 14 23:38	23° <b>Ⅱ</b> 07'38			3594 Dec 15 01:25	0° <b>\</b>	

	3595 Jan 23 14:27	$0^{\circ}\mathbf{\Upsilon}$			3600 Jan 16 21:11	0°ರ	
	3595 Mar 04 01:55	0°8			3600 Feb 28 05:24	0° <b>≈</b>	
asc. node	3595 Mar 06 20:24	2° <b>8</b> 04'59			3600 Apr 09 05:15	0° <b>ℋ</b>	
	3595 Apr 13 14:48	$\Pi$ $^{\circ}0$			3600 May 19 08:52	$0$ ° $\mathbf{\Upsilon}$	
	3595 May 25 20:11	0ංම			3600 Jun 28 14:12	$9^{\circ}$ 8	
evening set	3595 Jun 29 09:30	23° <b>©</b> 36'19			3600 Aug 09 15:40	$\Pi$ $^{\circ}0$	
	3595 Jul 08 22:51	$0^{\circ}\Omega$			3600 Sep 27 15:37	$0$ $\circ$ $\odot$	
				asc. node	3600 Oct 26 17:32	12° <b>©</b> 16'47	
conjunction	3595 Aug 18 19:00	26° <b>Ω</b> 48'39	1°07'54	retrograde	3600 Nov 20 11:44	16° <b>©</b> 19'36	
minimum elong	3595 Aug 18 18:42	26° <b>Ω</b> 48'10	1°07'54	min. Earth dist.	3600 Dec 20 23:02	9° <b>5</b> 56'49	0.52188 AU
	3595 Aug 23 17:19	0° <b>m</b> p		opposition	3600 Dec 28 15:12	7° <b>©</b> 02'55	3°02'41
max. Earth dist.	3595 Aug 30 23:09	4° Mp 40'10	2.65037 AU	greatest brilliancy	3600 Dec 27 17:22	7° <b>5</b> 23'33	-2.0m
morning rise	3595 Oct 04 07:41	26° Mp 37'04			3601 Jan 22 22:51	30°R <b>Ⅱ</b>	
	3595 Oct 09 15:38	0° <b>⊙</b>		direct	3601 Feb 01 11:53	29° <b>Ⅲ</b> 23'27	
	3595 Nov 26 05:49	0° <b>M</b> ₊			3601 Feb 11 10:22	0°ಅ	
	3596 Jan 13 09:12	0° <b>∡</b> ¹			3601 May 01 02:50	$0^{\circ}\Omega$	
	3596 Mar 02 17:38	0°రె			3601 Jun 24 00:22	0° <b>m</b>	
desc. node	3596 Mar 18 20:59	9° <b>る</b> 28'25			3601 Aug 13 04:24	0∘ <b>⊽</b>	
	3596 Apr 25 00:45	0° <b>≈</b>			3601 Sep 29 23:40	0°M	
retrograde	3596 Jul 10 15:29	25°≈09'15		evening set	3601 Oct 21 22:03	14°M16'03	
opposition	3596 Aug 10 16:38	19° <b>≈</b> 47'51	-6°21'29	desc. node	3601 Nov 08 17:58	26°M07'22	
greatest brilliancy	3596 Aug 12 00:51			max. Earth dist.	3601 Nov 10 01:13	26°M59'54	2.57039 AU
min. Earth dist.	3596 Aug 16 17:43	19 ≈24 34 18°≈03'45	0.39955 AU	max. Earth dist.	3601 Nov 10 01:13	20 11 <b>6</b> 3934 0° <b>√</b> 1	2.37039 AO
direct	-	13°≈39'54	0.39933 AU		3001 NOV 14 12.01	0 🗴	
direct	3596 Sep 12 10:24	13 ≈3934 0° <b>∺</b>			2601 D 00 00.51	169.701144	0017152
	3596 Nov 04 22:09	0 <del>Υ</del> 0° <b>Υ</b>		conjunction	3601 Dec 08 08:51	16° <b>₹</b> 21'44	
1	3596 Dec 23 21:49			minimum elong	3601 Dec 08 08:11	16° <b>₹</b> 20'35	0°16'52
asc. node	3597 Jan 21 19:30	19° <b>Y</b> 43'53			3601 Dec 27 18:28	0°₹	
	3597 Feb 05 14:32	0° <b>X</b>					
	3597 Mar 20 21:10	<b>∏</b> °0					
	3597 May 04 02:22	0°©					
	3597 Jun 18 15:15	$0^{\circ}\Omega$					
	3597 Aug 04 06:49	0° <b>m</b> )					
evening set	3597 Aug 09 07:41	3°m/12'38					
	3597 Sep 20 11:06	0∘ <b>⊽</b>					
max. Earth dist.	3597 Sep 22 09:05	1° <b>≏</b> 13'04	2.67763 AU				
	2505.6 24.12.22	20.00.4152	00.5011.5				
conjunction	3597 Sep 24 12:33	2° <b>£</b> 34'53					
minimum elong	3597 Sep 24 13:30	2° <b>△</b> 36'23	0°59'15				
	3597 Nov 06 11:23	0° <b>M</b>					
morning rise	3597 Nov 07 17:43	0° <b>ጤ</b> 48'41					
	3597 Dec 22 19:29	0° <b>∡</b> ¹					
desc. node	3598 Feb 03 20:05	28° <b>∡</b> 22'12					
	3598 Feb 06 06:52	0°₹					
	3598 Mar 22 23:16	0° <b>≈</b>					
	3598 May 06 05:19	0° <b>∀</b>					
	3598 Jun 20 03:52	0°Υ					
	3598 Aug 09 22:55	0° <b>8</b>					
retrograde	3598 Sep 28 02:49	14° <b>8</b> 08'21					
min. Earth dist.	3598 Oct 24 11:42	9° <b>8</b> 39'54	0.39466 AU				
opposition	3598 Oct 30 20:22	7° <b>8</b> 46'20					
greatest brilliancy	3598 Oct 30 08:05	7° <b>8</b> 55'30	-2.8m				
direct	3598 Nov 30 00:31	2° <b>8</b> 21'09					
asc. node	3598 Dec 09 17:59	2° <b>8</b> 57'42					
	3599 Feb 16 20:16	$\Pi$ $^{\circ}0$					
	3599 Apr 09 12:30	0ංම					
	3599 May 28 14:47	$0^{\circ}\Omega$					
	3599 Jul 16 03:56	0° <b>m</b>					
	3599 Sep 02 05:16	0∘ <b>⊽</b>					
evening set	3599 Sep 15 11:41	8° <b>£</b> 22'41					
max. Earth dist.	3599 Oct 15 12:35	27° <b>£</b> 33'57	2.65019 AU				
	3599 Oct 19 07:06	0°M₊					
conjunction	3599 Oct 30 17:45	7°M25'37	0°28'30				
minimum elong	3599 Oct 30 18:36	7°M26'59	0°28'29				
	3599 Dec 03 22:07	0° <b>∡</b> ¹					
morning rise	3599 Dec 14 19:25	7° <b>∡</b> 19'23					
1 1	2500 D 22 10 51	100 7 42154					

desc. node

3599 Dec 22 18:51

12°**∡**⁴43'54