superior conj	7600 Oct 04 21:10	17° <b>≏</b> 42'14		inferior conj	7603 Feb 26 09:31	8° <b>)</b> 31′12	
minimum elong	7600 Oct 04 15:00	17° <b>≏</b> 23'12	1°20'17	minimum elong	7603 Feb 26 00:02	8° <b>)</b> 45'44	
max. Earth dist.	7600 Oct 04 16:53	17° <b>£</b> 29'01	1.73340 AU	min. Earth dist.	7603 Feb 26 08:13	8° <b>¥</b> 33'12	0.26968 AU
	7600 Oct 14 20:36	0°M₊		morning rise	7603 Mar 03 13:07	5° <b>)</b> 26′54	
	7600 Nov 08 04:48	0° <b>∡</b> ¹		direct	7603 Mar 19 00:56	0° <b>)</b> 42′32	
evening rise	7600 Nov 10 07:37	2° <b>҂</b> ³36'33		greatest brilliancy	7603 Mar 29 02:58	2° <b>升</b> 37′29	-4.9m
	7600 Dec 02 13:33	0°₹			7603 May 04 22:58	$0^{\circ}\mathbf{\Upsilon}$	
desc. node	7600 Dec 12 12:22	12°る14'20		morning max el	7603 May 08 12:43	3° <b>Ƴ</b> 32'55	46°58'15
	7600 Dec 26 23:06	0° <b>≈</b>		desc. node	7603 May 30 08:35	26° <b>Ƴ</b> 46'30	
	7601 Jan 20 09:24	0° <b>∀</b>			7603 Jun 02 06:06	0° <b>႘</b>	
	7601 Feb 13 21:19	$_0$ $^{\circ}$ $^{\circ}$			7603 Jun 28 09:09	0° <b>I</b> I	
	7601 Mar 10 14:20	0°8			7603 Jul 23 17:28	0ಂತಾ	
asc. node	7601 Apr 04 11:56	29° <b>8</b> 34'52			7603 Aug 17 17:43	$0^{\circ}\Omega$	
	7601 Apr 04 20:33	0°II			7603 Sep 11 13:18	0° m/y	
	7601 May 01 10:31	0°9		asc. node	7603 Sep 20 07:21	10° <b>m</b> 37'57	
evening max el	7601 May 14 19:16	13°957'44	46°44'37	asc. node	7603 Oct 06 04:42	0° <b>ʊ</b>	
evening max er	•	0°Ω	40 44 37			0° <b>M</b>	
4 4 1 2112	7601 Jun 01 01:50		4.0		7603 Oct 30 16:00		
greatest brilliancy	7601 Jun 23 03:23	14° <b>Ω</b> 10'04	-4.8m	morning set	7603 Nov 06 11:18	8°M22'27	
retrograde	7601 Jul 03 23:56	16° <b>Ω</b> 21'00		T	7603 Nov 23 23:54	0° <b>∡</b> 7	1 50555 1 1 1
evening set	7601 Jul 18 21:59	11° <b>Ω</b> 59'23		max. Earth dist.	7603 Dec 11 02:46	21°×10'57	1.72757 AU
min. Earth dist.	7601 Jul 24 17:31	8° <b>Ω</b> 31′20	0.27997 AU				
inferior conj	7601 Jul 25 04:22	8° <b>Ω</b> 14'25	0°01'01	superior conj	7603 Dec 13 07:11	23° <b>≯</b> 53'19	1°00'26
minimum elong	7601 Jul 25 04:25	8° <b>Ω</b> 14'22	0°00'55	minimum elong	7603 Dec 13 17:02	24° <b>₹</b> 23'50	1°00'12
transit middle	7601 Jul 25 04:25	8° <b>Ω</b> 14'22	0°00'55		7603 Dec 18 05:30	0°ප	
transit begin	7601 Jul 25 00:22	8° <b>Ω</b> 20'41		desc. node	7604 Jan 10 00:13	28° <b>る</b> 16'28	
transit end	7601 Jul 25 08:28	8° <b>Ω</b> 08'04			7604 Jan 11 09:31	0° <b>≈</b>	
desc. node	7601 Jul 25 06:01	8° <b>Ω</b> 11'52		evening rise	7604 Jan 20 19:23	11° <b>≈</b> 42'15	
morning rise	7601 Jul 31 11:31	4° <b>Ω</b> 29'56			7604 Feb 04 12:05	0° <b>ℋ</b>	
direct	7601 Aug 15 07:14	0° <b>Ω</b> 15'45			7604 Feb 28 13:30	$0^{\circ}\mathbf{\Upsilon}$	
greatest brilliancy	7601 Aug 25 01:19	1° <b>Ω</b> 59'20	-4.8m		7604 Mar 23 15:11	0° <b>႘</b>	
,	7601 Oct 02 23:13	0° m			7604 Apr 16 20:10	$\Pi^{\circ}0$	
morning max el	7601 Oct 03 00:30	0°m 03'04	45°43'38	asc. node	7604 May 01 23:42	18° <b>Ⅱ</b> 35'10	
Ü	7601 Nov 01 00:11	0∘ <u>⊽</u>			7604 May 11 08:59	0°ಅ	
asc. node	7601 Nov 15 05:40	15° <b>£</b> 51'44			7604 Jun 05 12:26	$0^{\circ}\Omega$	
use. node	7601 Nov 27 13:23	0°M			7604 Jul 01 19:57	0° <b>m</b>	
	7601 Dec 22 22:51	0° <b>⊼</b> ¹		evening max el	7604 Jul 24 15:04	23° m 51'56	45°56'59
	7602 Jan 16 16:36	°ੇਤ ਨ		evening max er	7604 Jul 31 01:23	ე∘ <b>ი</b>	43 3037
	7602 Feb 10 01:00	0° <b>≈</b>		desc. node	7604 Aug 21 17:37	○ <b>—</b> 17° <b>으</b> 17'17	
		0 <b>≈</b> 0° <b>∺</b>			7604 Sep 01 03:35	22° <b>£</b> 34'56	4.7m
daga mada	7602 Mar 06 03:38 7602 Mar 06 22:12	0° <b>₩</b> 57'58		greatest brilliancy	•	22 <b>=</b> 34 30 24° <b>£</b> 41'48	<b>-4</b> ./III
desc. node		0 π3/38 0° <b>Υ</b>		retrograde	7604 Sep 11 22:26		
	7602 Mar 30 02:35			evening set	7604 Sep 29 06:29	18° <b>£</b> 59'00	7050122
morning set	7602 Apr 02 15:40	4° <b>Υ</b> 27'05		inferior conj	7604 Oct 03 11:32	16° <b>£</b> 23'22	
	7602 Apr 22 23:35	$9^{\circ}$ 8		minimum elong	7604 Oct 03 04:31		7°58'45
				min. Earth dist.	7604 Oct 03 04:14	16° <b>£</b> 34'49	0.29140 AU
superior conj	7602 May 13 08:20	25° <b>8</b> 35'31		morning rise	7604 Oct 07 02:38	14° <b>≏</b> 08'38	
minimum elong	7602 May 13 15:09	25° <b>8</b> 56'54		direct	7604 Oct 25 00:18	8° <b>≏</b> 06'29	
max. Earth dist.	7602 May 15 21:06	_	1.71407 AU	greatest brilliancy	7604 Nov 04 06:48	10° <b>≏</b> 01'07	-4.7m
	7602 May 16 20:38	$\Pi^{\circ}0$			7604 Dec 03 23:46	0° <b>M</b>	
	7602 Jun 09 19:41	$0$ $\circ$ $\odot$		asc. node	7604 Dec 12 17:28	8°M09'38	
evening rise	7602 Jun 22 11:19	15° <b>©</b> 46'05		morning max el	7604 Dec 13 03:54	8°M34'58	45°54'31
asc. node	7602 Jun 27 21:19	22° <b>©</b> 30'13			7605 Jan 02 19:17	0° <b>∡</b> ¹	
	7602 Jul 03 22:15	$0 ^{\circ} \Omega$			7605 Jan 29 06:45	0°ප	
	7602 Jul 28 05:13	O° Mp			7605 Feb 23 11:51	0° <b>≈</b>	
	7602 Aug 21 17:39	0∘ <b>⊽</b>			7605 Mar 20 02:00	0° <b>ℋ</b>	
	7602 Sep 15 13:41	0°M		desc. node	7605 Apr 03 10:24	17° <b>)(</b> 43'11	
	7602 Oct 10 21:08	0° <b>∡</b> ¹			7605 Apr 13 07:58	$0^{\circ}\mathbf{\Upsilon}$	
desc. node	7602 Oct 17 14:46	7° <b>∡</b> ′51′09			7605 May 07 09:38	$9^{\circ}$ 8	
	7602 Nov 05 22:28	0°ರ			7605 May 31 09:58	0° <b>I</b> I	
	7602 Dec 03 08:29	0° <b>≈</b>		morning set	7605 Jun 16 23:41	20° <b>Ⅱ</b> 40'46	
evening max el	7602 Dec 18 00:55	14°≈54'27	46°16'31	<i>5</i>	7605 Jun 24 11:11	0°9	
<i>5 5</i> -	7603 Jan 03 16:18	0° <b>)</b> €			7605 Jul 18 14:28	$0^{\circ}\Omega$	
greatest brilliancy	7603 Jan 26 22:25	14° <b>)</b> 28'45	-4.8m	asc. node	7605 Jul 25 09:10	8° <b>Ω</b> 24'16	
retrograde	7603 Feb 05 16:59	16° <b>H</b> 16'18			.000 041 20 07.10	○ <b>0 62</b> → 10	
asc. node	7603 Feb 07 14:52	16° <del>X</del> 11'53		superior conj	7605 Jul 25 15:15	8° <b>Ω</b> 43'09	0°00'37
evening set	7603 Feb 20 10:39	10 <b>★</b> 11 55		minimum elong	7605 Jul 25 15:06	8° <b>Ω</b> 42'42	
January 301	7003100 20 10.39	12 /(00 39		mminum ciong	,000 341 20 10.00	5 0 t-12 12	0 0001

						_	
behind sun begin	7605 Jul 24 15:20	7° <b>Ω</b> 29'04		morning rise	7607 Dec 18 22:58	20° <b>⊀</b> 48'53	
behind sun end	7605 Jul 26 14:52	9° <b>Ω</b> 56'20	. ==	direct	7608 Jan 03 19:38	15° <b>₹</b> 56'18	
max. Earth dist.	7605 Jul 28 06:02		1.72698 AU	asc. node	7608 Jan 10 05:08	16° <b>₹</b> 43'17	4.0
	7605 Aug 11 20:03	0° m/y		greatest brilliancy	7608 Jan 14 22:55	18° <b>₹</b> 13'46	-4.8m
evening rise	7605 Sep 01 00:13	24° m 53'26			7608 Feb 02 22:26	0°궁 18°궁22'10	46929152
	7605 Sep 05 03:49	0∘ <b>w</b>		morning max el	7608 Feb 23 00:47		46°38'53
	7605 Sep 29 14:14	0° <b>™</b> 0° <i>⊼</i> ¹			7608 Mar 05 05:14	0° <b>∺</b>	
daga mada	7605 Oct 24 04:22	0°×¹ 25° <i>₹</i> ¹20'09			7608 Mar 31 23:13	0° <b>Υ</b> 0° <b>Υ</b>	
desc. node	7605 Nov 14 02:33	23° <b>x</b> ・20'09		JJ.	7608 Apr 26 07:31	5° <b>Υ</b> 34'24	
	7605 Nov 17 23:26 7605 Dec 13 00:37	0° <b>≈</b>		desc. node	7608 Apr 30 22:34	0° <b>8</b>	
	7606 Jan 07 10:25	0 <b>≈</b> 0° <b>∀</b>			7608 May 21 00:59 7608 Jun 14 11:49	0°II	
	7606 Feb 02 13:13	0 <del>Υ</del> 0° <b>Υ</b>			7608 Jul 08 20:30	0. о п	
evening max el	7606 Feb 28 23:21	28° <b>Υ</b> 22'20	46°59'08		7608 Aug 02 05:11	0°Ω	
evening max er	7606 Mar 02 14:19	0°8	40 39 08	asc. node	7608 Aug 21 21:13	24° <b>Ω</b> 12'30	
asc. node	7606 Mar 07 02:27	4° <b>8</b> 24'54		morning set	7608 Aug 26 16:15	0° m) 06'29	
greatest brilliancy	7606 Apr 10 14:44	29° <b>8</b> 30'36	-4 9m	morning set	7608 Aug 26 14:09	0°m)	
greatest offinancy	7606 Apr 12 01:37	0° <b>Ⅱ</b>	4.9111		7608 Sep 19 22:54	0° <del>م</del>	
retrograde	7606 Apr 20 13:16	1° <b>Ⅱ</b> 22'47			7000 Sep 17 22.54	0 <b>–</b>	
renograde	7606 Apr 28 17:15	30°R <b>8</b>		superior conj	7608 Oct 02 15:06	15° <b>≏</b> 37'02	1°19'10
evening set	7606 May 08 11:54	25° <b>8</b> 11'01		minimum elong	7608 Oct 02 08:26	15° <b>⊆</b> 16'29	
inferior conj	7606 May 11 05:49	23° <b>8</b> 30'07	8°50'20	max. Earth dist.	7608 Oct 02 10:09	15° <b>≏</b> 21'48	1.73342 AU
minimum elong	7606 May 11 11:38	23° <b>8</b> 21'10	8°49'46	max. Dartii dist.	7608 Oct 14 07:11	0° <b>™</b>	1.755 12 110
min. Earth dist.	7606 May 11 03:40	23° <b>8</b> 33'27	0.27220 AU		7608 Nov 07 15:28	0° <b>⊼</b> 7	
morning rise	7606 May 14 11:28	21° <b>8</b> 32'02	0.27220110	evening rise	7608 Nov 08 00:39	0° <b>x</b> <sup>7</sup> 28'16	
direct	7606 May 31 22:30	15° <b>8</b> 42'08		<i>8</i>	7608 Dec 02 00:24	0°ెెె	
greatest brilliancy	7606 Jun 10 11:13	17° <b>8</b> 25'07	-4.9m	desc. node	7608 Dec 11 14:14	11° <b>る</b> 46'23	
desc. node	7606 Jun 26 20:15	26° <b>8</b> 30'48			7608 Dec 26 10:15	0° <b>≈</b>	
	7606 Jul 01 10:14	0°II			7609 Jan 19 21:00	0° <b>)</b> €	
morning max el	7606 Jul 20 19:37	17° <b>Ⅱ</b> 27'35	46°21'17		7609 Feb 13 09:32	0° <b>Υ</b>	
S	7606 Aug 02 03:35	0ංම			7609 Mar 10 03:26	0°B	
	7606 Aug 29 14:31	$0^{\circ}\Omega$		asc. node	7609 Apr 03 14:01	28° <b>8</b> 58'15	
	7606 Sep 24 17:28	0° <b>m</b> )			7609 Apr 04 11:16	$\Pi$ $^{\circ}0$	
asc. node	7606 Oct 17 19:36	27° <b>m</b> 13'38			7609 May 01 04:57	$0$ $\circ$ $\odot$	
	7606 Oct 20 03:26	0∘ <b>亚</b>		evening max el	7609 May 12 08:43	11° <b>©</b> 35'49	46°46'09
	7606 Nov 14 01:35	0° <b>M</b> .			7609 Jun 01 11:51	$0^{\circ}\Omega$	
	7606 Dec 08 15:00	0° <b>∡</b> ¹		greatest brilliancy	7609 Jun 20 20:07	11° <b>Ω</b> 55'43	-4.8m
	7607 Jan 01 22:22	0°ರ		retrograde	7609 Jul 01 14:57	14° <b>Ω</b> 05'41	
morning set	7607 Jan 15 04:53	16° <b>る</b> 28'38		evening set	7609 Jul 16 13:58	9° <b>Ω</b> 43′02	
	7607 Jan 26 01:35	0° <b>≈</b>		inferior conj	7609 Jul 22 19:25	5° <b>Ω</b> 59'48	0°22'40
desc. node	7607 Feb 06 12:06	14° <b>≈</b> 16′31		minimum elong	7609 Jul 22 20:17	5° <b>Ω</b> 58'28	0°22'20
	7607 Feb 19 01:48	0° <b>∀</b>		min. Earth dist.	7609 Jul 22 09:32	6° <b>Ω</b> 15'11	0.27954 AU
max. Earth dist.	7607 Feb 21 04:01	2° <b>∺</b> 37'13	1.71540 AU	desc. node	7609 Jul 24 07:52	5° <b>Ω</b> 03'16	
				morning rise	7609 Jul 29 03:10	2° <b>Ω</b> 14'27	
superior conj	7607 Feb 23 21:05	6° <b>∺</b> 00'57	-0°40'39		7609 Aug 02 21:33	30° <b>₹</b> ∽	
minimum elong	7607 Feb 23 11:42	5° <b>∺</b> 31'36	0°40'11	direct	7609 Aug 12 21:12	28° <b>©</b> 01'34	
	7607 Mar 14 23:48	$0^{\circ}$ Y		greatest brilliancy	7609 Aug 22 16:38	29° <b>©</b> 46'05	-4.8m
evening rise	7607 Apr 05 05:52	26° <b>Y</b> 42′10			7609 Aug 23 08:32	$0$ $\circ$ $\Omega$	
	7607 Apr 07 20:50	0°B		morning max el	7609 Sep 30 14:55	27° <b>Ω</b> 49'14	45°44'12
	7607 May 01 18:53	0°П			7609 Oct 02 21:15	0° m/	
	7607 May 25 20:25	0°9			7609 Oct 31 15:34	0∘ <b>⊽</b>	
asc. node	7607 May 30 11:28	5° <b>©</b> 44'11		asc. node	7609 Nov 14 07:37	15° <b>≏</b> 17'48	
	7607 Jun 19 03:59	$\Omega^{\circ}\Omega$			7609 Nov 27 02:26	0°M	
	7607 Jul 13 20:35	0° m/y			7609 Dec 22 10:49	0° <b>∡</b> 7	
	7607 Aug 08 03:20	0∘ <b>w</b>			7610 Jan 16 04:00	0° <del>2</del>	
dogo rada	7607 Sep 03 11:06	0°M			7610 Feb 09 12:07	0° <b>≈</b>	
desc. node	7607 Sep 19 05:12	16°M58'48		daga == -1-	7610 Mar 05 14:35	0° <b>)</b> 0° <b>¥</b> 20'05	
avanina ma1	7607 Oct 02 02:00	0°⊀ 2°√728'56	45°40'11	desc. node	7610 Mar 06 00:13	0° <b>)</b> 30'05 0° <b>Υ</b>	
evening max el	7607 Oct 04 15:42	2° <b>メ</b> 28'56 0° <b>る</b>	45°40'11	morning act	7610 Mar 29 13:27	0°γ′ 1° <b>Υ</b> 53'54	
grantast builli	7607 Nov 11 07:47		4.7m	morning set	7610 Mar 31 01:44		
greatest brilliancy	7607 Nov 12 20:21	0°る32'05 2°る08'44	-4.7m		7610 Apr 22 10:24	0°8	
retrograde	7607 Nov 22 06:52	2° <b>5</b> 08'44 30° <b>₹</b> ₹		superior cor:	7610 May 10, 10:44	23° <b>8</b> 06'49	1024140
evening set	7607 Dec 02 17:50 7607 Dec 08 20:51	30° <b>₹</b> ×¹ 26° <b>₹</b> <sup>7</sup> 56'22		superior conj minimum elong	7610 May 10 19:44 7610 May 11 01:41	23° <b>8</b> 25'30	
inferior conj	7607 Dec 13 12:01	24° × 07'19	-6°10'19	max. Earth dist.	7610 May 13 01:10		1.71377 AU
minimum elong	7607 Dec 13 12:01 7607 Dec 13 22:09	23° 🗷 51'29		max. Larm uist.	7610 May 16 07:24	25 <b>O</b> 54 55 0°Ⅱ	1.11311 AU
min. Earth dist.	7607 Dec 14 09:02		0.28325 AU		7610 Jun 09 06:26	0°©	
mm. Lartii uist.	,00, DOC 17 07.02	20 A D+ D1	0.20 <i>323 T</i> (U		,010 Jun 07 00.20	<b>~</b>	

evening rise	7610 Jun 20 00:20	13° <b>©</b> 23'48		asc. node	7612 Dec 11 19:24	7° <b>™</b> 22'19	
asc. node	7610 Jun 26 23:14	22° <b>©</b> 02'45			7613 Jan 02 11:25	0° <b>∡</b> ¹	
	7610 Jul 03 09:00	$0^{\circ}\Omega$			7613 Jan 28 20:13	0°る	
	7610 Jul 27 16:04	o° mp			7613 Feb 23 00:10	0° <b>≈</b>	
	7610 Aug 21 04:44	0∘ <b>⊽</b>			7613 Mar 19 13:41	0° <b>∀</b>	
	7610 Sep 15 01:16	0°M		desc. node	7613 Apr 02 12:26	17° <b>) (</b> 14′03	
	7610 Oct 10 09:41	0° <b>⊼</b> 7		desc. node	7613 Apr 12 19:15	0°Υ	
desc. node	7610 Oct 16 05:41	7° <b>∡</b> 19'32			7613 May 06 20:39	0°8	
desc. node	7610 Nov 05 12:54	0°る			7613 May 30 20:48	0°II	
		0°≈			7613 Jun 14 13:09	0 H 18°∏19'41	
	7610 Dec 03 03:10		46014140	morning set			
evening max el	7610 Dec 15 14:47	12°≈35'33	46°14'49		7613 Jun 23 21:52	0°©	
	7611 Jan 04 04:08	0° <b>∀</b>			7613 Jul 18 01:03	$0$ ° $\Omega$	
greatest brilliancy	7611 Jan 24 11:00	12° <b>)</b> €04'30	-4.8m				
retrograde	7611 Feb 03 06:21	13° <b>¥</b> 52'31		superior conj	7613 Jul 23 06:13	6° <b>Ω</b> 28'01	
asc. node	7611 Feb 06 16:53	13° <b>)</b> (38′04		minimum elong	7613 Jul 23 06:55	6° <b>Ω</b> 30'11	0°03'01
evening set	7611 Feb 17 21:36	9° <b>)</b> 39′25		behind sun begin	7613 Jul 22 07:19	5° <b>Ω</b> 17'03	
inferior conj	7611 Feb 23 22:29	6° <b>₩</b> 07'01	4°17'14	behind sun end	7613 Jul 24 06:30	7° <b>Ω</b> 43'18	
minimum elong	7611 Feb 23 13:31	6° <b>)</b> €20'45	4°14'41	asc. node	7613 Jul 24 11:10	7° <b>Ω</b> 57'44	
min. Earth dist.	7611 Feb 23 21:47	6° <b>)</b> €08'04	0.26985 AU	max. Earth dist.	7613 Jul 26 01:14	9° <b>Ω</b> 55'42	1.72657 AU
morning rise	7611 Mar 01 05:09	2° <b>升</b> 58'44			7613 Aug 11 06:35	0° <b>m</b>	
C	7611 Mar 07 12:19	30°R≈		evening rise	7613 Aug 29 17:29	22° Mp 46'13	
direct	7611 Mar 16 14:26	28°≈17'50		Ü	7613 Sep 04 14:23	0∘ <u>⊽</u>	
	7611 Mar 26 01:33	0° <b>∀</b>			7613 Sep 29 00:57	0°M	
greatest brilliancy	7611 Mar 26 17:13	0° <b>₩</b> 13'56	-4 9m		7613 Oct 23 15:22	0° <b>⊼</b> 7	
greatest offinality	7611 May 04 22:31	0°Υ	4.7111	desc. node	7613 Nov 13 04:28	24° <b>х</b> 51'36	
mamina may al		1° <b>Υ</b> 12'11	46°58'38	uese. Houe	7613 Nov 17 10:56	24×3130	
morning max el	7611 May 06 03:20	26° <b>Υ</b> 04'55	40 30 30			0°≈	
desc. node	7611 May 29 10:31				7613 Dec 12 12:56		
	7611 Jun 01 22:31	8°0			7614 Jan 07 00:08	0° <b>)</b> €	
	7611 Jun 27 22:57	0° <b>Ⅱ</b>			7614 Feb 02 05:38	0° <b>Υ</b>	
	7611 Jul 23 05:55	0ಂ <b>ತಾ</b>		evening max el	7614 Feb 26 13:27	26° <b>Y</b> 00'02	46°58'10
	7611 Aug 17 05:21	$0^{\circ}\Omega$			7614 Mar 02 14:04	0°8	
	7611 Sep 11 00:22	O° Mp		asc. node	7614 Mar 06 04:31	3° <b>8</b> 28'19	
asc. node	7611 Sep 19 09:27	10° Mp 11'10		greatest brilliancy	7614 Apr 08 04:22	27° <b>8</b> 05'58	-4.9m
	7611 Oct 05 15:24	0∘ <b>ত</b>		retrograde	7614 Apr 18 02:18	28° <b>8</b> 57'18	
	7611 Oct 30 02:30	$0^{\circ}$ M		evening set	7614 May 06 03:03	22° <b>8</b> 43'00	
morning set	7611 Nov 04 04:49	6°M16'19		inferior conj	7614 May 08 18:45	21° <b>8</b> 05'16	8°56'27
	7611 Nov 23 10:21	0° <b>∡</b> ¹		minimum elong	7614 May 08 23:42	20° <b>8</b> 57'37	8°56'00
max. Earth dist.	7611 Dec 08 22:20	19° <b>∡</b> 10′22	1.72795 AU	min. Earth dist.	7614 May 08 16:11	21° <b>8</b> 09'14	0.27203 AU
				morning rise	7614 May 11 20:28	19° <b>8</b> 12'49	
superior conj	7611 Dec 10 23:22	21° <b>≯</b> ⁴42'12	1°02'48	direct	7614 May 29 11:24	13° <b>8</b> 17'46	
minimum elong	7611 Dec 11 09:10	22° <b>҂</b> 12'34	1°02'35	greatest brilliancy	7614 Jun 07 23:19	14° <b>8</b> 59'51	-4.9m
	7611 Dec 17 16:02	0° <b>ට</b>		desc. node	7614 Jun 25 22:11	25° <b>8</b> 15'33	
desc. node	7612 Jan 09 02:09	27° <b>る</b> 49'27		desc. node	7614 Jul 01 21:32	0°II	
desc. node	7612 Jan 10 20:11	0°≈		morning max el	7614 Jul 18 08:27	15° <b>Ⅱ</b> 04'59	46°22'53
evening rise	7612 Jan 18 09:29	9°≈23'33		morning max ci	7614 Aug 01 22:18	0°95	40 22 33
evening rise	7612 Feb 03 22:54	0° <b>∺</b>			7614 Aug 29 05:04	0°Ω	
	7612 Feb 03 22:34 7612 Feb 28 00:31	0° <b>Υ</b>			•	0°m)	
					7614 Sep 24 06:09	-	
	7612 Mar 23 02:29	8°0		asc. node	7614 Oct 16 21:28	26° m/44'09	
•	7612 Apr 16 07:52	0°II			7614 Oct 19 15:07	0∘ <b>亚</b>	
asc. node	7612 May 01 01:39	18° <b>∏</b> 04'20			7614 Nov 13 12:42	0°M	
	7612 May 10 21:22	0°©			7614 Dec 08 01:49	0° <b>∡</b> 7	
	7612 Jun 05 02:02	$0^{\circ}\Omega$			7615 Jan 01 09:01	0° <b>る</b>	
	7612 Jul 01 12:13	0° <b>™</b>		morning set	7615 Jan 12 19:33	14° <b>る</b> 12'02	
evening max el	7612 Jul 22 07:42	21°Mp42'21	45°58'31		7615 Jan 25 12:12	0° <b>≈</b>	
	7612 Jul 31 02:29	0∘ <b>ত</b>		desc. node	7615 Feb 05 14:09	13° <b>≈</b> 49'43	
desc. node	7612 Aug 20 19:44	16° <b>≏</b> 00'13		max. Earth dist.	7615 Feb 18 12:12	29° <b>≈</b> 59'13	1.71580 AU
greatest brilliancy	7612 Aug 29 18:37	20° <b>≏</b> 25'01	-4.7m		7615 Feb 18 12:27	0° <b>∀</b>	
retrograde	7612 Sep 09 15:22	22° <b>₽</b> 33'12					
evening set	7612 Sep 26 19:49	16° <b>≏</b> 54'59		superior conj	7615 Feb 21 09:10	3° <b>)</b> ₹35'05	-0°37'12
inferior conj	7612 Oct 01 03:51	14° <b>£</b> 14'42	-7°51'57	minimum elong	7615 Feb 21 00:27	3° <b>)</b> €07'49	0°36'45
minimum elong	7612 Sep 30 20:19	14° <b>≏</b> 26'31		S	7615 Mar 14 10:33	$0^{\circ}\mathbf{\Upsilon}$	
min. Earth dist.	7612 Sep 30 19:05		0.29120 AU	evening rise	7615 Apr 02 16:45	24° <b>Υ</b> 11'37	
morning rise	7612 Oct 04 20:59	11° <b>⊆</b> 57'01		<i>3</i>	7615 Apr 07 07:41	0°8	
direct	7612 Oct 22 17:01	5° <b>£</b> 58'30			7615 May 01 05:51	0°II	
greatest brilliancy	7612 Nov 01 21:05	7° <b>£</b> 51'15	-4.7m		7615 May 25 07:32	0.© 0 H	
or carrott or minute y	7612 Dec 04 01:03	0°M		asc. node	7615 May 29 13:20	5° <b>©</b> 15'23	
morning max el	7612 Dec 04 01:03		45°53'15	abo. Hodo	7615 Jun 18 15:24	0°Ω	
morning max ci	7012 100 10 17.30	0 1104440	10 00 10		,015 Juli 10 15.24	0 00	

	7615 Jul 13 08:34	0° <b>m</b> y			7618 Feb 08 23:18	0° <b>≈</b>	
	7615 Aug 07 16:23	0∘ <b>⊽</b>		desc. node	7618 Mar 05 02:14	0° <b>米</b> 01′53	
	7615 Sep 03 02:27	0°M			7618 Mar 05 01:37	0° <b>)</b> €	
desc. node	7615 Sep 18 07:12	16°M17'21		morning set	7618 Mar 28 12:20	29° <b>∺</b> 22'12	
	7615 Oct 01 23:50	0° <b>∡</b> 7		· ·	7618 Mar 29 00:22	$0^{\circ}\Upsilon$	
evening max el	7615 Oct 02 05:28	0° <b>х</b> 13′29	45°39'52		7618 Apr 21 21:14	0°8	
greatest brilliancy	7615 Nov 10 11:21	28°×19'37			701071pi 21 21.14	٠ <b>٠</b>	
-		29° 🖈 56'05	-4./111	aumanian aani	7619 May 09 07:24	20° <b>8</b> 38'45	1925126
retrograde	7615 Nov 19 21:13			superior conj	7618 May 08 07:24		
evening set	7615 Dec 06 14:50	24° <b>₹</b> 38'57		minimum elong	7618 May 08 12:25	20° <b>8</b> 54'31	
inferior conj	7615 Dec 11 03:18	21° <b>≯</b> 53'55		max. Earth dist.	7618 May 10 08:26	23° <b>8</b> 12'46	1.71352 AU
minimum elong	7615 Dec 11 13:24	21° <b>≯</b> 38′08			7618 May 15 18:12	$\Pi$ $\circ$ 0	
min. Earth dist.	7615 Dec 12 00:31	21° <b>∡</b> ¹20'47	0.28381 AU		7618 Jun 08 17:16	0	
morning rise	7615 Dec 16 11:26	18° <b>∡</b> ³39'15		evening rise	7618 Jun 17 13:22	11° <b>©</b> 01'16	
direct	7616 Jan 01 10:42	13° <b>∡</b> ¹42'02		asc. node	7618 Jun 26 01:16	21° <b>©</b> 35'17	
asc. node	7616 Jan 09 07:08	14° <b>√</b> 51'47			7618 Jul 02 19:54	$0^{\circ}\Omega$	
greatest brilliancy	7616 Jan 12 15:11	16° <b>₹</b> '00'02	-4.8m		7618 Jul 27 03:07	0° m/	
8	7616 Feb 03 08:11	0°⋜			7618 Aug 20 16:04	0∘ <u>⊽</u>	
morning max el	7616 Feb 20 14:56	16° <b>る</b> 02'37	46°37'30		7618 Sep 14 13:10	0° <b>M</b>	
morning max cr	7616 Mar 04 23:26	0°≈	40 37 30		7618 Oct 09 22:36	0° <b>⊼</b> ¹	
	7616 Mar 31 13:45	0 <b>∞</b>		4 4-			
		0 X 0°Υ		desc. node	7618 Oct 15 18:41	6° <b>∡</b> 746'41	
	7616 Apr 25 20:29				7618 Nov 05 03:48	0°₹	
desc. node	7616 Apr 30 00:28	5° <b>Y</b> 01'34			7618 Dec 02 22:42	0° <b>≈</b>	
	7616 May 20 13:06	0°8		evening max el	7618 Dec 13 05:25	10° <b>≈</b> 17'56	46°13'10
	7616 Jun 13 23:24	$\Pi^{\circ}0$			7619 Jan 04 20:29	0° <b>∀</b>	
	7616 Jul 08 07:42	0		greatest brilliancy	7619 Jan 21 23:29	9° <b>∺</b> 39'32	-4.8m
	7616 Aug 01 16:05	$0^{\circ}\Omega$		retrograde	7619 Jan 31 19:40	11° <b>∺</b> 27'44	
asc. node	7616 Aug 20 23:16	23° <b>Ω</b> 45'45		asc. node	7619 Feb 05 18:59	10° <b>)</b> 57′28	
morning set	7616 Aug 24 08:39	27° <b>Ω</b> 56′16		evening set	7619 Feb 15 08:47	7° <b>₩</b> 16'52	
C	7616 Aug 26 00:51	o° mp		inferior conj	7619 Feb 21 11:20	3° <b>¥</b> 41'59	3°55'34
	7616 Sep 19 09:30	0∘ <u>⊽</u>		minimum elong	7619 Feb 21 02:58	3° <b>)</b> 54'47	
	, 010 Sep 15 05.50	<u> </u>		min. Earth dist.	7619 Feb 21 11:15	3° <b>)</b> 42'07	0.26998 AU
superior conj	7616 Sep 30 08:41	13° <b>ჲ</b> 30′50	1017'52	morning rise	7619 Feb 26 20:57	0° <b>)</b> 29'48	0.20//0/110
minimum elong	7616 Sep 30 01:32	13° <b>⊆</b> 08'46		morning rise	7619 Feb 27 18:50	30°R≈	
max. Earth dist.	*			1:4	7619 Mar 14 04:13		
max. Earth dist.	7616 Sep 30 04:04		1.73342 AU	direct		25°≈52'29	4.0
	7616 Oct 13 17:46	0°M		greatest brilliancy	7619 Mar 24 07:00	27°≈49'03	-4.9m
evening rise	7616 Nov 05 17:38	28°M19'55			7619 Mar 29 06:10	0° <b>₩</b>	
	7616 Nov 07 02:09	0°⊀		morning max el	7619 May 03 17:54	28° <b>¥</b> 50′56	46°59'05
	7616 Dec 01 11:17	0°ಕ			7619 May 04 21:14	$0^{\circ}$ Y	
desc. node	7616 Dec 10 16:12	11° <b>る</b> 18'40		desc. node	7619 May 28 12:31	25° <b>Y</b> 23'37	
	7616 Dec 25 21:26	0° <b>≈</b>			7619 Jun 01 14:44	$9^{\circ}$ 8	
	7617 Jan 19 08:35	0° <b>∀</b>			7619 Jun 27 12:44	$\Pi^{\circ}0$	
	7617 Feb 12 21:42	$0^{\circ}\mathbf{\Upsilon}$			7619 Jul 22 18:28	$0$ $\circ$ $\odot$	
	7617 Mar 09 16:31	0°B			7619 Aug 16 17:08	$\mathfrak{O}^{\circ} \mathfrak{O}$	
asc. node	7617 Apr 02 15:56	28° <b>8</b> 21'06			7619 Sep 10 11:40	0° m/	
	7617 Apr 04 02:05	0°Щ		asc. node	7619 Sep 18 11:19	9° <b>m</b> 42'46	
	7617 Apr 30 23:52	0°©		uso. Irodo	7619 Oct 05 02:23	0∘ <b>⊽</b>	
evening max el	7617 May 09 22:15	9° <b>©</b> 13'58	16°17'27		7619 Oct 09 02:23	0° <b>m</b> .	
evening max ci		0°Ω	40 47 27	morning set		4°M08'18	
4 41 311	7617 Jun 02 01:42		4.0	morning set	7619 Nov 01 22:01		
greatest brilliancy	7617 Jun 18 12:04	9° <b>Ω</b> 39'22	-4.8m	F 4 F .	7619 Nov 22 21:07	0° <b>∡</b> ¹	1 50000 111
retrograde	7617 Jun 29 06:03	11° <b>Ω</b> 48'59		max. Earth dist.	7619 Dec 06 16:20	17° <b>∡</b> °04′06	1.72828 AU
evening set	7617 Jul 14 05:48	7° <b>Ω</b> 24'46			=		
inferior conj	7617 Jul 20 10:08	3° <b>Ω</b> 43'34		superior conj	7619 Dec 08 15:21	19° <b>∡</b> ¹29'37	1°05'05
minimum elong	7617 Jul 20 11:50	3° <b>Ω</b> 40'56	0°44'06	minimum elong	7619 Dec 09 01:02	19° <b>∡</b> 59'36	1°04'53
min. Earth dist.	7617 Jul 20 01:06	3° <b>Ω</b> 57'36	0.27917 AU		7619 Dec 17 02:51	0°る	
desc. node	7617 Jul 23 10:00	1° <b>Ω</b> 53′08		desc. node	7620 Jan 08 04:11	27° <b>る</b> 21'47	
morning rise	7617 Jul 26 18:22	29° <b>9</b> 57'48			7620 Jan 10 07:08	0° <b>≈</b>	
	7617 Jul 26 16:44	30°Rூ		evening rise	7620 Jan 15 23:27	7° <b>≈</b> 03'32	
direct	7617 Aug 10 11:00	25° <b>©</b> 45'35		-	7620 Feb 03 10:02	0° <b>∀</b>	
greatest brilliancy	7617 Aug 20 07:35	27° <b>©</b> 31'10	-4.8m		7620 Feb 27 11:52	0° <b>Υ</b>	
J	7617 Aug 26 04:02	0° <b>Ω</b>	<del>-</del>		7620 Mar 22 14:06	0°8	
morning max el	7617 Sep 28 05:58	25° <b>Ω</b> 36'12	45°44'53		7620 Apr 15 19:53	0°II	
morning max ci	*		-1J T-1JJ	aca noda			
	7617 Oct 02 18:43	0° <b>m</b> 0° <b>0</b>		asc. node	7620 Apr 30 03:36	17° <b>Ⅱ</b> 32'41	
1	7617 Oct 31 06:53	0° <b>™</b>			7620 May 10 10:01	0°©	
asc. node	7617 Nov 13 09:34	14° <b>£</b> 43'38			7620 Jun 04 15:55	0° <b>Q</b>	
	7617 Nov 26 15:31	0°M			7620 Jul 01 04:58	0° <b>m</b>	
	7617 Dec 21 22:50	0° <b>∡</b>		evening max el	7620 Jul 20 00:11	19° <b>m</b> 31'36	45°59'52
	7618 Jan 15 15:29	0°る			7620 Jul 31 05:19	0∘ <b>⊽</b>	

desc. node	7620 Aug 10 21:41	1.40.0.20120		mov Forth dist	7602 Eab. 15 21:44	2700024117	1.71621 AU
greatest brilliancy	7620 Aug 19 21:41 7620 Aug 27 10:14	14° <b>Ω</b> 39'30 18° <b>Ω</b> 14'45	-4.7m	max. Earth dist.	7623 Feb 15 21:44 7623 Feb 17 23:29	27 <b>≈</b> 2417 0° <b>)</b> €	1./1021 AU
retrograde	7620 Sep 07 07:46	20° <b>£</b> 23'21	-4. /III		/023 Feb 1/ 23.29	0 X	
evening set	7620 Sep 07 07.46 7620 Sep 24 09:05	20 <b>≗</b> 23 21 14° <b>£</b> 50'01		superior conj	7623 Feb 18 21:04	1° <b>)</b> €07'33	0033140
inferior conj	7620 Sep 28 20:10	14 <b>=</b> 30 01 12° <b>⊆</b> 04'57	7012125	minimum elong	7623 Feb 18 21:04 7623 Feb 18 13:04	0° <b>)</b> 42′29	
3	-	12 <b>⊆</b> 04 37 12° <b>⊆</b> 17'30	7°42'32	minimum clong	7623 Mar 13 21:38	0 )(42 29 0°Υ	0 33 14
minimum elong min. Earth dist.	7620 Sep 28 12:10	12 <b>≗</b> 1730 12° <b>£</b> 20'26	0.29101 AU	avanina rias		0 γ 21° <b>Υ</b> 39'50	
	7620 Sep 28 10:19	9° <b>£</b> 43'54	0.29101 AU	evening rise	7623 Mar 31 03:35	0° <b>8</b>	
morning rise	7620 Oct 02 15:27 7620 Oct 20 09:39	9 <b>≗</b> 43 34 3° <b>£</b> 49'23			7623 Apr 06 18:51	0°H	
direct			4.7		7623 Apr 30 17:08		
greatest brilliancy	7620 Oct 30 11:38	5° <b>Ω</b> 40'15	-4./m	1	7623 May 24 19:00	0°95	
	7620 Dec 04 01:38	0°M	45051150	asc. node	7623 May 28 15:25	4° <b>©</b> 46'14	
morning max el	7620 Dec 08 10:59	4°M11'25	45°51'59		7623 Jun 18 03:10	$\Omega^{\circ}\Omega$	
asc. node	7620 Dec 10 21:26	6° <b>M</b> 34'41			7623 Jul 12 20:54	0° <b>m</b> y	
	7621 Jan 02 03:44	0° <b>∡</b>			7623 Aug 07 05:47	0° <b>™</b>	
	7621 Jan 28 09:59	6°5			7623 Sep 02 18:13	0°M	
	7621 Feb 22 12:46	0° <b>≈</b>		desc. node	7623 Sep 17 09:07	15°M34'44	
	7621 Mar 19 01:40	0° <b>∀</b>		evening max el	7623 Sep 29 19:19	27°M57'56	45°39'39
desc. node	7621 Apr 01 14:15	16° <b>)</b> 43′14			7623 Oct 01 22:46	0°⊀	
	7621 Apr 12 06:51	$0^{\circ}\mathbf{\Upsilon}$		greatest brilliancy	7623 Nov 08 01:43	26° <b>≯</b> 06'16	-4.7m
	7621 May 06 08:00	0°8		retrograde	7623 Nov 17 12:03	27° <b>∡</b> ⁴43'26	
	7621 May 30 07:57	$\Pi^{\circ}0$		evening set	7623 Dec 04 08:55	22° <b>≯</b> 21'12	
morning set	7621 Jun 12 02:49	15° <b>∏</b> 58'12		inferior conj	7623 Dec 08 18:43	19° <b>∡</b> ¹40'11	-6°38'10
	7621 Jun 23 08:51	0°€		minimum elong	7623 Dec 09 04:44	19° <b>∡</b> ¹24'33	6°36'05
	7621 Jul 17 11:54	$0 {\circ} \Omega$		min. Earth dist.	7623 Dec 09 15:53	19° <b>∡</b> 07'10	0.28445 AU
				morning rise	7623 Dec 14 00:01	16° <b>∡</b> ¹29'36	
superior conj	7621 Jul 20 21:30	4° <b>Ω</b> 13′03	-0°06'27	direct	7623 Dec 30 02:08	11° <b>∡</b> ¹27'15	
minimum elong	7621 Jul 20 23:01	4° <b>Ω</b> 17'45	0°06'28	asc. node	7624 Jan 08 09:11	13° <b>∡</b> ¹03'50	
behind sun begin	7621 Jul 20 00:51	3° <b>₽</b> 09'00		greatest brilliancy	7624 Jan 10 07:41	13° <b>∡</b> ¹46′04	-4.8m
behind sun end	7621 Jul 21 21:11	5° <b>Ω</b> 26'29			7624 Feb 03 15:41	0°ප	
asc. node	7621 Jul 23 13:12	7° <b>Ω</b> 30'29		morning max el	7624 Feb 18 06:15	13° <b>石</b> 44'58	46°35'59
max. Earth dist.	7621 Jul 23 21:00	7° <b>Ω</b> 54'38	1.72611 AU		7624 Mar 04 17:37	0° <b>≈</b>	
	7621 Aug 10 17:22	0° m			7624 Mar 31 04:30	0° <b>∀</b>	
evening rise	7621 Aug 27 10:58	20° m/38'50			7624 Apr 25 09:42	$0^{\circ}$ Y	
	7621 Sep 04 01:14	0∘ <b>⊽</b>		desc. node	7624 Apr 29 02:32	4° <b>Y</b> 28′23	
	7621 Sep 28 12:00	0°M₊			7624 May 20 01:27	0°8	
	7621 Oct 23 02:46	0° <b>∡</b> ¹			7624 Jun 13 11:11	0°II	
desc. node	7621 Nov 12 06:26	24° <b>∡</b> ¹21'53			7624 Jul 07 19:05	0°©	
	7621 Nov 16 22:53	0° <b>ට</b>			7624 Aug 01 03:11	$0^{\circ}\Omega$	
	7621 Dec 12 01:46	0° <b>≈</b>		asc. node	7624 Aug 20 01:09	23°Ω17'51	
	7622 Jan 06 14:27	0° <b>)</b> €		morning set	7624 Aug 22 01:14	25° <b>Ω</b> 45'54	
	7622 Feb 01 22:51	0° <b>Υ</b>		morning sec	7624 Aug 25 11:45	0° my	
evening max el	7622 Feb 24 02:31	23° <b>Y</b> 33'54	46°57'12		7624 Sep 18 20:16	0∘ <b>ত</b>	
evening max er	7622 Mar 02 15:31	0° <b>8</b>	40 37 12		7024 Sep 10 20.10	° <b>–</b>	
asc. node	7622 Mar 05 06:25	2° <b>8</b> 28'50		superior conj	7624 Sep 28 02:35	11° <b>≏</b> 25'01	1°16'27
greatest brilliancy	7622 Apr 05 18:31	24° <b>8</b> 40'39	-4.9m	minimum elong	7624 Sep 27 18:59	11° <b>⊆</b> 23°01 11° <b>⊆</b> 01'34	
retrograde	7622 Apr 15 14:57	26° <b>8</b> 30'42	- <del>4</del> .7III	max. Earth dist.	7624 Sep 28 00:06	11° <b>⊆</b> 0134	1.73337 AU
evening set	7622 May 03 17:50	20° <b>8</b> 14'26		max. Earth dist.	7624 Oct 13 04:30	0°M	1.75557 AO
inferior conj	7622 May 06 07:43	18° <b>8</b> 39'22	9°01'33	evening rise	7624 Nov 03 11:08	26°M12'46	
	7622 May 06 11:46	18° <b>8</b> 33'05	9°01'13	evening rise	7624 Nov 06 12:58	20 IIC12 40 0° ✓	
minimum elong	•	18° <b>8</b> 43'22	0.27184 AU		7624 Nov 30 22:19	0°중	
min. Earth dist.	7622 May 06 05:07	16° <b>8</b> 52'09	0.27164 AU	daga mada		0 8 10° <b>8</b> 50'56	
morning rise	7622 May 09 05:48			desc. node	7624 Dec 09 18:19		
direct	7622 May 26 23:43	10° <b>8</b> 52'07	4.0		7624 Dec 25 08:49	0° <b>≈</b>	
greatest brilliancy	7622 Jun 05 12:05	12° <b>8</b> 34'07	-4.9m		7625 Jan 18 20:26	0° <b>)</b> €	
desc. node	7622 Jun 25 00:15	24° <b>8</b> 01'46			7625 Feb 12 10:12	0° <b>Υ</b>	
	7622 Jul 02 06:18	0°II			7625 Mar 09 06:01	0°8	
morning max el	7622 Jul 15 20:58	12° <b>Ⅱ</b> 40′24	46°24'44	asc. node	7625 Apr 01 17:54	27° <b>8</b> 42'54	
	7622 Aug 01 16:49	0°©			7625 Apr 03 17:24	0°II	
	7622 Aug 28 19:41	0° <b>N</b>			7625 Apr 30 19:39	0°©	
_	7622 Sep 23 18:59	0° <b>m</b> )		evening max el	7625 May 07 12:42	6° <b>©</b> 53'44	46°48'56
asc. node	7622 Oct 15 23:26	26° m) 14'17			7625 Jun 02 20:40	0° <b>Ω</b>	
	7622 Oct 19 03:01	0∘ <b>⊽</b>		greatest brilliancy	7625 Jun 16 03:32	7° <b>Ω</b> 21'50	-4.8m
	7622 Nov 13 00:06	0°M₊		retrograde	7625 Jun 26 21:37	9° <b>Ω</b> 31'39	
	7622 Dec 07 12:58	0° <b>∡</b>		evening set	7625 Jul 11 21:49	5° <b>Ω</b> 05'39	
	7622 Dec 31 20:03	0°ಕ		min. Earth dist.	7625 Jul 17 16:18	1° <b>Ω</b> 39'47	
morning set	7623 Jan 10 10:08	11° <b>る</b> 53'54		inferior conj	7625 Jul 18 00:49	1° <b>Ω</b> 26′35	1°06'45
	7623 Jan 24 23:12	0° <b>≈</b>		minimum elong	7625 Jul 18 03:20	1° <b>Ω</b> 22'40	1°05'51
desc. node	7623 Feb 04 16:08	13° <b>≈</b> 21′28			7625 Jul 20 09:03	30° <b>₹</b> 5	

desc. node	7625 Jul 22 11:58	28°544'20			7628 Jan 09 17:53	0° <b>≈</b>	
morning rise	7625 Jul 24 09:23	27°940'50		evening rise	7628 Jan 13 14:00	4°≈46'05	
direct	7625 Aug 08 01:13	23° <b>©</b> 28'59		o ronning rise	7628 Feb 02 20:56	0° <b>∀</b>	
greatest brilliancy	7625 Aug 17 21:56	25°915'07	-4.8m		7628 Feb 26 22:59	0°Υ	
<i>y</i>	7625 Aug 27 21:26	$0^{\circ}\Omega$			7628 Mar 22 01:33	0°8	
morning max el	7625 Sep 25 21:59	23° <b>Ω</b> 25'16	45°45'42		7628 Apr 15 07:48	0°II	
. 8	7625 Oct 02 15:30	0° m		asc. node	7628 Apr 29 05:39	17° <b>Ⅱ</b> 01'35	
	7625 Oct 30 22:02	$0$ o $\overline{\mathbf{v}}$			7628 May 09 22:40	0°ಅ	
asc. node	7625 Nov 12 11:36	14° <b>£</b> 09'51			7628 Jun 04 05:55	$0^{\circ}\Omega$	
	7625 Nov 26 04:30	0°M			7628 Jun 30 22:04	0° <b>m</b> )	
	7625 Dec 21 10:48	0° <b>∡</b> ¹		evening max el	7628 Jul 17 16:00	17° mp 19'09	46°01'20
	7626 Jan 15 02:57	0°ರ			7628 Jul 31 09:50	0∘ <b>⊽</b>	
	7626 Feb 08 10:33	0° <b>≈</b>		desc. node	7628 Aug 18 23:37	13° <b>≙</b> 16'17	
desc. node	7626 Mar 04 04:08	29° <b>≈</b> 33'04		greatest brilliancy	7628 Aug 25 02:22	16° <b>≙</b> 05'11	-4.7m
	7626 Mar 04 12:45	0° <b>)</b> €		retrograde	7628 Sep 04 23:43	18° <b>≙</b> 13'44	
morning set	7626 Mar 25 22:41	26° <b>)</b> 49′22		evening set	7628 Sep 21 22:16	12° <b>≏</b> 45'28	
	7626 Mar 28 11:25	$0^{\circ}\mathbf{\Upsilon}$		min. Earth dist.	7628 Sep 26 01:52	10° <b>≏</b> 12'18	0.29076 AU
	7626 Apr 21 08:14	0°8		inferior conj	7628 Sep 26 12:26	9° <b>≙</b> 55'40	-7°34'34
				minimum elong	7628 Sep 26 04:01	10° <b>≏</b> 08'55	7°33'23
superior conj	7626 May 05 18:29	18° <b>8</b> 08'15	-1°26'21	morning rise	7628 Sep 30 09:57	7° <b>≏</b> 31'04	
minimum elong	7626 May 05 22:30	18° <b>8</b> 20'53	1°26'24	direct	7628 Oct 18 01:45	1° <b>≏</b> 40'45	
max. Earth dist.	7626 May 07 16:51	20° <b>8</b> 33'57	1.71327 AU	greatest brilliancy	7628 Oct 28 02:37	3° <b>ჲ</b> 30'15	-4.7m
	7626 May 15 05:10	$\Pi$ $^{\circ}0$			7628 Dec 04 00:48	$0^{\circ}$ M	
	7626 Jun 08 04:13	0°ಅ		morning max el	7628 Dec 06 01:25	1° <b>M</b> 57'04	45°50'55
evening rise	7626 Jun 15 01:52	8° <b>©</b> 36'37		asc. node	7628 Dec 09 23:26	5°M48'28	
asc. node	7626 Jun 25 03:15	21° <b>©</b> 07'25			7629 Jan 01 19:28	0° <b>∡</b> ¹	
	7626 Jul 02 06:54	$0^{\circ}\Omega$			7629 Jan 27 23:18	o°ප	
	7626 Jul 26 14:14	0° <b>m</b> p			7629 Feb 22 00:58	0° <b>≈</b>	
	7626 Aug 20 03:29	0∘ <b>ত</b>			7629 Mar 18 13:14	0° <b>∀</b>	
	7626 Sep 14 01:07	0° <b>M</b>		desc. node	7629 Mar 31 16:21	16° <b>∺</b> 14'28	
	7626 Oct 09 11:35	0° <b>∡</b> ¹			7629 Apr 11 18:04	$0$ ° $\Upsilon$	
desc. node	7626 Oct 14 20:44	6° <b>₰</b> 14'11			7629 May 05 19:01	$9^{\circ}$ 8	
	7626 Nov 04 18:49	0°ರ			7629 May 29 18:49	$\Pi$ $^{\circ}0$	
	7626 Dec 02 18:38	0° <b>≈</b>		morning set	7629 Jun 09 16:08	13° <b>Ⅱ</b> 36′19	
evening max el	7626 Dec 10 20:42	8°≈02'39	46°11'30		7629 Jun 22 19:35	0°€	
	7627 Jan 05 17:56	0° <b>∀</b>			7629 Jul 16 22:32	$0$ $^{\circ}$ $\Omega$	
greatest brilliancy	7627 Jan 19 12:23	7° <b>∺</b> 16′20	-4.8m			_	
retrograde	7627 Jan 29 08:52	9° <b>∺</b> 04'10		superior conj	7629 Jul 18 12:19	1°Ω57'11	
asc. node	7627 Feb 04 20:48	8° <b>)</b> 12′38		minimum elong	7629 Jul 18 14:39	2° <b>Ω</b> 04'25	0°09'58
evening set	7627 Feb 12 20:32	4° <b>₩</b> 55'28		behind sun begin	7629 Jul 17 19:35	1° <b>Ω</b> 05'16	
inferior conj	7627 Feb 19 00:29	1° <b>∺</b> 18'17		behind sun end	7629 Jul 19 09:43	3° <b>Ω</b> 03'34	
minimum elong	7627 Feb 18 16:46	1° <b>∺</b> 30'06	3°31'21	max. Earth dist.	7629 Jul 21 13:41	5° <b>Ω</b> 44'38	1.72565 AU
min. Earth dist.	7627 Feb 19 01:04		0.27018 AU	asc. node	7629 Jul 22 15:05	7° <b>Ω</b> 03'22	
	7627 Feb 21 03:47	30°R≈			7629 Aug 10 03:57	0°M)	
morning rise	7627 Feb 24 12:49	28°≈02'12		evening rise	7629 Aug 25 03:53	18° Mp 30'23	
direct	7627 Mar 11 18:19	23°≈28'32	4.0		7629 Sep 03 11:53	0∘ <b>亚</b>	
greatest brilliancy	7627 Mar 21 21:10	25°≈25'16	-4.9m		7629 Sep 27 22:48	0°M 0°. <b>₹</b>	
	7627 Mar 31 02:35	0° <b>∀</b>	46950100	4 4-	7629 Oct 22 13:54	0° 🔏 5313.4	
morning max el	7627 May 01 08:02	26° <b>¥</b> 28'35 0° <b>⋎</b>	40 39 09	desc. node	7629 Nov 11 08:31	23°矛53'24 0°る	
JJ.	7627 May 04 19:04 7627 May 27 14:34	0° γ 24° <b>Υ</b> 42'42			7629 Nov 16 10:35 7629 Dec 11 14:21	0° <b>≈</b>	
desc. node	7627 Jun 01 06:46	0° <b>8</b>			7629 Dec 11 14.21 7630 Jan 06 04:31	0 <b>≈</b> 0° <b>∀</b>	
	7627 Jun 27 02:29	0°II			7630 Feb 01 15:56	0°Υ	
	7627 Jul 27 02:29 7627 Jul 22 06:58	0°©		evening max el	7630 Feb 21 15:10	21° <b>Υ</b> '08'20	46°56'22
	7627 Aug 16 04:52	0° <b>U</b>		evening max ei	7630 Mar 02 17:39	0° <b>8</b>	40 30 22
	7627 Sep 09 22:52	0° <b>m</b>		asc. node	7630 Mar 04 08:27	1° <b>8</b> 29'59	
asc. node	7627 Sep 17 13:17	9° Mp 15'02		greatest brilliancy	7630 Apr 03 08:46	22° <b>8</b> 17'29	-4 9m
450. HOUC	7627 Oct 04 13:14	ე° <b>亞</b>		retrograde	7630 Apr 13 03:47	24° <b>8</b> 06'42	7.7111
	7627 Oct 04 13:14 7627 Oct 28 23:59	0° <b>M</b>		evening set	7630 May 01 08:17	17° <b>8</b> 49'00	
morning set	7627 Oct 28 23:39 7627 Oct 30 15:26	2°M01'22		inferior conj	7630 May 03 20:58	16° <b>8</b> 15'51	9°05'26
morning set	7627 Nov 22 07:45	2 11601 22 0°×7		minimum elong	7630 May 04 00:05	16° <b>8</b> 11'02	9°05'14
max. Earth dist.	7627 Nov 22 07:43 7627 Dec 04 08:39		1.72858 AU	min. Earth dist.	7630 May 03 18:23	16° <b>8</b> 19'51	0.27170 AU
max. Luttii Uist.	7027 Dec 07 00.37	1 . 7 33 14	1.72000 AU	morning rise	7630 May 06 15:56	14° <b>8</b> 33'16	J.2,110 AU
					. 000 1.145 00 10.00		
superior coni	7627 Dec 06 07:53	17° <b>√</b> 19'22	1°07'14	direct	7630 May 24 12:06	8° <b>X</b> 28'34	
superior conj minimum elong	7627 Dec 06 07:53 7627 Dec 06 17:23		1°07'14 1°07'03	direct greatest brilliancy	7630 May 24 12:06 7630 Jun 03 01:31	8° <b>と</b> 28'34 10° <b>と</b> 11'08	-4.9m
minimum elong	7627 Dec 06 07:53 7627 Dec 06 17:23 7627 Dec 16 13:31	17°☎19'22 17°☎48'46 0°♂		direct greatest brilliancy desc. node	7630 Jun 03 01:31	10° <b>8</b> 11'08	-4.9m
	7627 Dec 06 17:23	17° <b>∡</b> ¹48'46		greatest brilliancy	•		-4.9m

morning max el	7630 Jul 13 09:58	10° <b>Ⅱ</b> 18'09	46°26'18	asc. node	7633 Mar 31 19:59	27° <b>8</b> 05'44	
morning max or	7630 Aug 01 10:29	0.2 10 <b>3</b> 10 0 3	10 20 10	use. Houe	7633 Apr 03 08:35	0°Ⅱ	
	7630 Aug 28 09:50	$0^{\circ}\Omega$			7633 Apr 30 15:38	0°©	
	7630 Sep 23 07:29	0° my		evening max el	7633 May 05 04:11	4°937'09	46°50'23
asc. node	7630 Oct 15 01:31	25° m 45'35			7633 Jun 03 21:45	0°N	
	7630 Oct 18 14:36	0∘ <b>⊽</b>		greatest brilliancy	7633 Jun 13 18:56	5°Ω05'29	-4.8m
	7630 Nov 12 11:09	0°M		retrograde	7633 Jun 24 13:24	7° <b>Ω</b> 15′23	
	7630 Dec 06 23:44	0° <b>∡</b> ¹		evening set	7633 Jul 09 14:06	2° <b>Ω</b> 47'39	
	7630 Dec 31 06:41	8°0		C	7633 Jul 14 07:39	30° <b>ℝ</b>	
morning set	7631 Jan 08 00:49	9° <b>ප</b> 37'22		inferior conj	7633 Jul 15 15:31	29° <b>©</b> 10'43	1°28'35
	7631 Jan 24 09:49	0° <b>≈</b>		minimum elong	7633 Jul 15 18:51	29° <b>©</b> 05'33	1°27'27
desc. node	7631 Feb 03 18:02	12° <b>≈</b> 54'09		min. Earth dist.	7633 Jul 15 07:18	29° <b>5</b> 23'27	0.27839 AU
max. Earth dist.	7631 Feb 13 09:40	24° <b>≈</b> 58′07	1.71661 AU	desc. node	7633 Jul 21 13:51	25° <b>©</b> 39'17	
				morning rise	7633 Jul 22 00:14	25°525'14	
superior conj	7631 Feb 16 09:11	28° <b>≈</b> 41'54	-0°30'05	direct	7633 Aug 05 15:57	21° <b>©</b> 13'43	
minimum elong	7631 Feb 16 01:57	28° <b>≈</b> 19'15	0°29'41	greatest brilliancy	7633 Aug 15 11:47	22° <b>©</b> 59'39	-4.8m
	7631 Feb 17 10:08	0° <b>∀</b>			7633 Aug 29 01:20	$0 {\circ} \Omega$	
	7631 Mar 13 08:21	0° <b>Υ</b>		morning max el	7633 Sep 23 13:59	21° <b>Ω</b> 15'19	45°46'19
evening rise	7631 Mar 28 14:50	19° <b>Y</b> 10'45			7633 Oct 02 11:13	0° <b>m</b> p	
	7631 Apr 06 05:37	0°8			7633 Oct 30 12:41	0∘ <b>ত</b>	
	7631 Apr 30 03:59	0° <b>Π</b>		asc. node	7633 Nov 11 13:33	13° <b>≏</b> 36'38	
	7631 May 24 06:01	0°95			7633 Nov 25 17:12	0° <b>M</b>	
asc. node	7631 May 27 17:23	4°9518'05			7633 Dec 20 22:34	0° <b>∡</b>	
	7631 Jun 17 14:32	0° <b>N</b>			7634 Jan 14 14:14	5°0	
	7631 Jul 12 08:53	0 <b>்⊽</b> 0∘மி		JJ.	7634 Feb 07 21:34	0°≈ 20°≈ •05!27	
	7631 Aug 06 18:57	0° <b>11</b>		desc. node	7634 Mar 03 06:10 7634 Mar 03 23:38	29° <b>≈</b> 05'27 0° <b>米</b>	
desc. node	7631 Sep 02 09:59 7631 Sep 16 11:13	14°M52'39		morning set	7634 Mar 23 09:00	0 <del>X</del> 24° <b>¥</b> 17'18	
evening max el	7631 Sep 27 09:53	25°M44'49	45°30'32	morning set	7634 Mar 27 22:13	24 <b>γ</b> (1/18	
evening max er	7631 Oct 01 22:29	رب بجنال 23 0° الم	43 37 32		7634 Apr 20 18:59	0°8	
greatest brilliancy	7631 Nov 05 15:26	23° <b>х</b> 52'58	-4.7m		7054 ripi 20 10.57	° <b>O</b>	
retrograde	7631 Nov 15 03:14	25° <b>₹</b> 31'26	1.7111	superior conj	7634 May 03 05:33	15° <b>8</b> 38'23	-1°26'56
evening set	7631 Dec 02 02:54	20°×04'07		minimum elong	7634 May 03 08:33	15° <b>8</b> 47'49	
inferior conj	7631 Dec 06 10:02	17° <b>∡</b> °27'05	-6°51'00	max. Earth dist.	7634 May 05 02:48	_	1.71304 AU
minimum elong	7631 Dec 06 19:54				7634 May 14 15:54	0°II	
min. Earth dist.	7631 Dec 07 06:46	16° <b>₹</b> 54'46	0.28504 AU		7634 Jun 07 14:58	0ංම	
morning rise	7631 Dec 11 12:25	14° <b>∡</b> °20′54		evening rise	7634 Jun 12 14:21	6°512'25	
direct	7631 Dec 27 18:00	9° <b>∡</b> 13'19		asc. node	7634 Jun 24 05:09	20° <b>©</b> 39'54	
asc. node	7632 Jan 07 11:05	11° <b>∡</b> °20′30			7634 Jul 01 17:41	$0^{\circ}\Omega$	
greatest brilliancy	7632 Jan 07 23:34	11° <b>∡</b> ³32'32	-4.8m		7634 Jul 26 01:09	0° <b>m</b> ∕	
	7632 Feb 03 20:30	0°ರ			7634 Aug 19 14:40	0∘ <b>ত</b>	
morning max el	7632 Feb 15 22:12	11° <b>る</b> 30'16	46°34'29		7634 Sep 13 12:54	$0^{\circ}$ M	
	7632 Mar 04 10:58	0° <b>≈</b>			7634 Oct 09 00:30	0°⊀	
	7632 Mar 30 18:40	0° <b>∀</b>		desc. node	7634 Oct 13 22:46	5° <b>∡</b> 41'55	
	7632 Apr 24 22:25	0° <b>Υ</b>			7634 Nov 04 09:57	0°₹	
desc. node	7632 Apr 28 04:30	3° <b>Y</b> 56′18			7634 Dec 02 15:13	0° <b>≈</b>	
	7632 May 19 13:19	8°0		evening max el	7634 Dec 08 11:28	5°≈46'07	46°09'40
	7632 Jun 12 22:30	$\Pi^{\circ 0}$			7635 Jan 06 23:38	0° <b>∀</b>	4.0
	7632 Jul 07 06:01	0° <b>೮</b> 0ಂತಾ		greatest brilliancy	7635 Jan 17 01:53	4° <b>¥</b> 53'40	-4.8m
asc. node	7632 Jul 31 13:51	0°87 22° <b>Ω</b> 51'29		retrograde asc. node	7635 Jan 26 21:28	6° <b>光</b> 40'18 5° <b>光</b> 21'34	
morning set	7632 Aug 19 03:08 7632 Aug 19 17:52	22 <b>δ</b> <i>t</i> 31 29 23° <b>Ω</b> 36'52		evening set	7635 Feb 03 22:53 7635 Feb 10 08:26	2° <b>∺</b> 33'36	
morning set	7632 Aug 24 22:16	0° m)		evening set	7635 Feb 14 18:47	2 <b>7</b> (33 30 30°R≈	
	7632 Sep 18 06:42	0° <del>ত</del> ماہ		inferior conj	7635 Feb 16 13:32	28°≈54'33	3°11'16
	7002 бөр 10 00.42	~ <del>_</del>		minimum elong	7635 Feb 16 06:32	29°≈05'19	3°09'12
superior conj	7632 Sep 25 20:18	9° <b>ჲ</b> 19'33	1°14'55	min. Earth dist.	7635 Feb 16 15:12	28°≈52'00	0.27036 AU
minimum elong	7632 Sep 25 12:19	8° <b>Ω</b> 54'54		morning rise	7635 Feb 22 04:24	25°≈34'36	
max. Earth dist.	7632 Sep 25 21:03		1.73338 AU	direct	7635 Mar 09 07:51	21° <b>≈</b> 04'32	
	7632 Oct 12 14:57	0°M		greatest brilliancy	7635 Mar 19 11:44	23° <b>≈</b> 01'52	-4.9m
evening rise	7632 Nov 01 04:23	24°M05'44		Ţ	7635 Apr 01 08:53	0° <b>)</b> €	
-	7632 Nov 05 23:31	0°⊀		morning max el	7635 Apr 28 20:56	24° <b>)</b> €03'19	46°59'13
	7632 Nov 30 09:05	8°0			7635 May 04 16:00	$0^{\circ}$ $\Upsilon$	
desc. node	7632 Dec 08 20:11	10° <b>る</b> 23'20		desc. node	7635 May 26 16:31	24° <b>Y</b> 02'18	
	7632 Dec 24 19:55	0° <b>≈</b>			7635 May 31 22:24	0°8	
	7633 Jan 18 08:01	0° <b>∀</b>			7635 Jun 26 15:58	$\Pi^{\circ}0$	
	7633 Feb 11 22:25	0° <b>Υ</b>			7635 Jul 21 19:18	0°9	
	7633 Mar 08 19:16	$9^{\circ}$ 8			7635 Aug 15 16:27	$0$ $\circ$ $\Omega$	

	<b>7/25</b> 00 00 5 <b>7</b>	00 ***			5(20 F.L. 10 02 25	1000011107	46055110
	7635 Sep 09 09:57	0°Ту		evening max el	7638 Feb 19 03:37	18° <b>Ƴ</b> 41'07	46°55'18
asc. node	7635 Sep 16 15:22	8° <b>™</b> 47'53			7638 Mar 02 22:03	0°8	
	7635 Oct 04 00:01	0० <b>ত</b>		asc. node	7638 Mar 03 10:30	0° <b>8</b> 28'13	
morning set	7635 Oct 28 08:56	29° <b>≏</b> 54'51		greatest brilliancy	7638 Mar 31 22:13	19° <b>8</b> 51'17	-4.9m
	7635 Oct 28 10:36	0°M		retrograde	7638 Apr 10 16:35	21° <b>8</b> 40'26	
	7635 Nov 21 18:21	0° <b>∡</b> ¹		evening set	7638 Apr 28 21:52	15° <b>8</b> 21'46	
max. Earth dist.	7635 Dec 02 00:08	12° <b>∡</b> ³39'48	1.72894 AU	inferior conj	7638 May 01 09:53	13° <b>8</b> 49'53	9°08'23
				minimum elong	7638 May 01 12:01	13° <b>8</b> 46'35	9°08'15
superior conj	7635 Dec 04 00:29	15° <b>₹</b> 09'19	1°09'16	min. Earth dist.	7638 May 01 07:07	13° <b>8</b> 54'08	0.27157 AU
minimum elong	7635 Dec 04 09:45	15° <b>∡</b> ³38′00	1°09'07	morning rise	7638 May 04 02:11	12° <b>8</b> 11'27	
8	7635 Dec 16 00:12	0°⋜		direct	7638 May 22 00:22	6° <b>8</b> 02'26	
desc. node	7636 Jan 06 08:07	26° <b>る</b> 27'08		greatest brilliancy	7638 May 31 14:30	7° <b>8</b> 45'45	-4.9m
dese. Hode	7636 Jan 09 04:43	0°≈		desc. node	7638 Jun 23 04:11	21° <b>8</b> 41'42	1.7111
evening rise	7636 Jan 11 04:20	2°≈27'51		dese. Hode	7638 Jul 02 16:18	0°Ⅱ	
evening rise	7636 Feb 02 07:56	2 <b>≈</b> 2731 0° <b>H</b>		morning max el	7638 Jul 10 23:32	7° <b>П</b> 56'00	46°28'06
		0°Υ		morning max er		0.20 1.170.00	40 28 00
	7636 Feb 26 10:13				7638 Aug 01 04:08		
	7636 Mar 21 13:06	8°0			7638 Aug 28 00:08	0° <b>Q</b>	
	7636 Apr 14 19:48	0°II		_	7638 Sep 22 20:12	0° <b>m</b>	
asc. node	7636 Apr 28 07:36	16° <b>Ⅱ</b> 29'55		asc. node	7638 Oct 14 03:23	25° m 15'30	
	7636 May 09 11:25	0ංම			7638 Oct 18 02:26	0∘ <b>⊽</b>	
	7636 Jun 03 20:06	$0$ $^{\circ}\Omega$			7638 Nov 11 22:29	$0^{\circ}$ M	
	7636 Jun 30 15:34	0° <b>m</b>			7638 Dec 06 10:47	0° <b>∡</b> ¹	
evening max el	7636 Jul 15 07:00	15° Mp 04′23	46°02'49		7638 Dec 30 17:36	0°ರ	
	7636 Jul 31 16:31	0。 <b>亚</b>		morning set	7639 Jan 05 16:00	7° <b>る</b> 21'37	
desc. node	7636 Aug 18 01:45	11° <b>≏</b> 50'23			7639 Jan 23 20:44	0° <b>≈</b>	
greatest brilliancy	7636 Aug 22 18:38	13° <b>≏</b> 55'27	-4.8m	desc. node	7639 Feb 02 20:08	12° <b>≈</b> 26'36	
retrograde	7636 Sep 02 15:33	16° <b>£</b> 04'08		max. Earth dist.	7639 Feb 11 00:08	22° <b>≈</b> 39'00	1.71704 AU
evening set	7636 Sep 19 11:26	10° <b>≏</b> 40'43					
min. Earth dist.	7636 Sep 23 17:43	8° <b>ჲ</b> 03'44	0.29050 AU	superior conj	7639 Feb 13 21:33	26°≈16'06	-0°26'29
inferior conj	7636 Sep 24 04:45	7° <b>£</b> 46'22		minimum elong	7639 Feb 13 15:07	25°≈55'59	
minimum elong	7636 Sep 23 19:56	8° <b>⊆</b> 00'16		minimum ciong	7639 Feb 16 21:06	0° <b>∀</b>	0 2000
morning rise	7636 Sep 28 04:36	5° <b>£</b> 18′09	7 23 34		7639 Mar 12 19:24	0° <b>Υ</b>	
morning rise	•			avanina rica		16° <b>Υ</b> 40'33	
1	7636 Oct 10 20:12	30°RM⊅		evening rise	7639 Mar 26 02:06		
direct	7636 Oct 15 17:22	29° Tp 31'56			7639 Apr 05 16:47	0° <b>X</b>	
	7636 Oct 20 17:22	0∘ <b>⊽</b>			7639 Apr 29 15:17	0°II	
greatest brilliancy	7636 Oct 25 18:13	1° <b>≏</b> 20'51		_	7639 May 23 17:32	0° <b>©</b>	
morning max el	7636 Dec 03 15:33	29° <b>≏</b> 41'49	45°49'54	asc. node	7639 May 26 19:17	3° <b>5</b> 548'18	
	7636 Dec 03 23:02	0°M			7639 Jun 17 02:23	$0$ $\circ$ $\Omega$	
asc. node	7636 Dec 09 01:21	5°M02'34			7639 Jul 11 21:21	0° <b>m</b> )	
	7637 Jan 01 11:04	0°⊀			7639 Aug 06 08:39	0∘ <b>⊽</b>	
	7637 Jan 27 12:40	0°ප			7639 Sep 02 02:24	0° <b>M</b>	
	7637 Feb 21 13:19	0° <b>≈</b>		desc. node	7639 Sep 15 13:11	14° <b>M</b> 08'35	
	7637 Mar 18 01:03	0° <b>∀</b>		evening max el	7639 Sep 25 01:21	23°M32'59	45°39'31
desc. node	7637 Mar 30 18:22	15° <b>)</b> 44′38			7639 Oct 01 23:49	0° <b>∡</b> ¹	
	7637 Apr 11 05:33	$0^{\circ}\mathbf{\Upsilon}$		greatest brilliancy	7639 Nov 03 05:00	21° <b>×</b> 39'01	-4.7m
	7637 May 05 06:15	0° <b>႘</b>		retrograde	7639 Nov 12 18:50	23° <b>∡</b> 18'54	
	7637 May 29 05:51	0° <b>I</b> I		evening set	7639 Nov 29 21:03	17° <b>∡</b> ¹46'47	
morning set	7637 Jun 07 05:08	11° <b>Ⅱ</b> 12'46		inferior conj	7639 Dec 04 01:29	15° <b>∡</b> 13'30	-7°03'10
	7637 Jun 22 06:29	0ಂತಿ		minimum elong	7639 Dec 04 11:09	14° <b>∡</b> 58'27	
	70370411 22 00.23	0 0		min. Earth dist.	7639 Dec 04 21:24	14° <b>∡</b> ′42'30	0.28559 AU
superior conj	7637 Jul 16 03:04	29°5940'34	-0°13'30	morning rise	7639 Dec 09 00:52	12° × 11'52	0.20337710
minimum elong	7637 Jul 16 06:13	29°950'21		direct	7639 Dec 25 10:26	6° <b>×</b> 759'12	
•			0 1327			9° <b>x</b> 17'50	1 0
behind sun begin	7637 Jul 15 16:54	29°509'00		greatest brilliancy	7640 Jan 05 14:53		-4.8m
behind sun end	7637 Jul 16 19:33	0° <b>Ω</b> 31'42		asc. node	7640 Jan 06 13:07	9° <b>₹</b> '40'24	
	7637 Jul 16 09:20	0° <b>Ω</b>			7640 Feb 03 23:51	0°る	
max. Earth dist.	7637 Jul 19 05:00	3° <b>Ω</b> 29'50	1.72519 AU	morning max el	7640 Feb 13 14:29	9° <b>る</b> 15'48	46°32'56
asc. node	7637 Jul 21 17:06	6° <b>Ω</b> 36'11			7640 Mar 04 04:15	0° <b>≈</b>	
	7637 Aug 09 14:45	0°Щ			7640 Mar 30 09:00	0° <b>∀</b>	
evening rise	7637 Aug 22 20:56	16° Mp 21'39			7640 Apr 24 11:25	$0^{\circ}$ Y	
	7637 Sep 02 22:44	0∘ <b>⊽</b>		desc. node	7640 Apr 27 06:25	3° <b>Y</b> 23'03	
	7637 Sep 27 09:50	0°M₊			7640 May 19 01:34	$0^{\circ}$ 8	
	7637 Oct 22 01:15	0°⊀			7640 Jun 12 10:15	$\Pi$ $\circ 0$	
desc. node	7637 Nov 10 10:26	23° <b>х</b> ⁴23'48			7640 Jul 06 17:25	0ಂಣ	
	7637 Nov 15 22:30	0°ರ			7640 Jul 31 00:59	$0^{\circ}\Omega$	
	7637 Dec 11 03:13	0° <b>≈</b>		morning set	7640 Aug 17 10:16	21° <b>Ω</b> 25'44	
	7638 Jan 05 19:02	0° <b>∀</b>		asc. node	7640 Aug 18 05:12	22° <b>Ω</b> 24'04	
	/036 Jan 03 19.02	0 //		asc. nouc	1070 Aug 10 05.12		
	7638 Feb 01 09:47	0° <b>Υ</b>		asc. node	7640 Aug 24 09:11	0° m)	

	7640 Sep 17 17:31	0∘ <b>ত</b>		inferior conj	7643 Feb 14 02:46	26°≈30'53	2°48'43
	1			minimum elong	7643 Feb 13 20:31	26° <b>≈</b> 40'30	2°46'50
superior conj	7640 Sep 23 13:51	7° <b>£</b> 12'24	1°13'17	min. Earth dist.	7643 Feb 14 05:49	26° <b>≈</b> 26′12	0.27057 AU
minimum elong	7640 Sep 23 05:30	6° <b>£</b> 46'41	1°13'04	morning rise	7643 Feb 19 19:58	23° <b>≈</b> 07'14	
max. Earth dist.	7640 Sep 23 19:10	7° <b>≏</b> 28'48	1.73331 AU	direct	7643 Mar 06 21:05	18° <b>≈</b> 40'17	
	7640 Oct 12 01:46	0°M		greatest brilliancy	7643 Mar 17 03:02	20° <b>≈</b> 39'01	-4.9m
evening rise	7640 Oct 29 21:42	21°M57'46			7643 Apr 02 07:01	0° <b>∀</b>	
	7640 Nov 05 10:27	0° <b>∡</b> ¹		morning max el	7643 Apr 26 09:17	21° <b>ℋ</b> 36′06	46°59'26
	7640 Nov 29 20:15	0°ප			7643 May 04 12:24	$0$ ° $\mathbf{\gamma}$	
desc. node	7640 Dec 07 22:11	9° <b>る</b> 54'56		desc. node	7643 May 25 18:29	23° <b>Y</b> 22'01	
	7640 Dec 24 07:25	0° <b>≈</b>			7643 May 31 13:56	$9^{\circ}$ 8	
	7641 Jan 17 19:57	0° <b>∀</b>			7643 Jun 26 05:28	$\Pi^{\circ}0$	
	7641 Feb 11 11:00	$0^{\circ}\mathbf{\Upsilon}$			7643 Jul 21 07:42	0ංම	
	7641 Mar 08 08:55	0°8			7643 Aug 15 04:10	$0^{\circ}\Omega$	
asc. node	7641 Mar 30 21:53	26° <b>8</b> 26'46			7643 Sep 08 21:12	0° <b>m</b> ∕	
	7641 Apr 03 00:20	0° <b>I</b> I		asc. node	7643 Sep 15 17:14	8° <b>m</b> 19'32	
	7641 Apr 30 12:45	0°€			7643 Oct 03 10:58	0∘ <b>ত</b>	
evening max el	7641 May 02 19:54	2° <b>©</b> 19'54	46°51'28	morning set	7643 Oct 26 02:15	27° <b>≙</b> 47'11	
	7641 Jun 05 10:39	$0^{\circ}\Omega$			7643 Oct 27 21:24	0° <b>M</b>	
greatest brilliancy	7641 Jun 11 10:27	2° <b>Ω</b> 47'29	-4.8m		7643 Nov 21 05:07	0° <b>∡</b>	
retrograde	7641 Jun 22 04:44	4° <b>Ω</b> 56'45		max. Earth dist.	7643 Nov 29 16:38	10° <b>≯</b> ′29′07	1.72928 AU
evening set	7641 Jul 07 06:21	0° <b>Ω</b> 27'23					
	7641 Jul 08 01:51	30° <b>₹</b> 55		superior conj	7643 Dec 01 17:02	12° <b>₹</b> 58'49	1°11'12
inferior conj	7641 Jul 13 06:00	26°952'40	1°50'36	minimum elong	7643 Dec 02 02:02	13° <b>∡</b> 26'39	1°11'04
minimum elong	7641 Jul 13 10:08	26°5946'15	1°49'13		7643 Dec 15 11:00	0°る	
min. Earth dist.	7641 Jul 12 22:11	27°504'46	0.27801 AU	desc. node	7644 Jan 05 10:09	25° <b>る</b> 59'37	
morning rise	7641 Jul 19 14:36	23°907'32		evening rise	7644 Jan 08 18:47	0°≈09'46	
desc. node	7641 Jul 20 15:59	22°534'24			7644 Jan 08 15:38	0° <b>≈</b>	
direct	7641 Aug 03 06:42	18°956'24	4.0		7644 Feb 01 19:03	0° <b>∀</b>	
greatest brilliancy	7641 Aug 13 01:22	20°5941'46	-4.8m		7644 Feb 25 21:35	0° <b>Υ</b>	
	7641 Aug 29 22:30	0° <b>Ω</b>	45947102		7644 Mar 21 00:47	0°B 0°B	
morning max el	7641 Sep 21 05:05	19° <b>Ω</b> 01'43 0° <b>m</b>	45-4703	asa mada	7644 Apr 14 07:57	15° <b>Ⅱ</b> 57'57	
	7641 Oct 02 06:51	0∘ <b>ऌ</b> ० औ		asc. node	7644 Apr 27 09:34 7644 May 09 00:18	0° <b>©</b>	
asc. node	7641 Oct 30 03:32 7641 Nov 10 15:31	0 <u>≈</u> 13° <b>Ω</b> 02'39			7644 Jun 03 10:26	0° <b>U</b>	
asc. Houe	7641 Nov 25 06:08	0° <b>M</b>			7644 Jun 30 09:28	0° <b>m</b> )	
	7641 Dec 20 10:35	0° <b>⊼</b> ¹		evening max el	7644 Jul 12 21:22	12° <b>m</b> ) 48'04	46°04'19
	7642 Jan 14 01:47	∞ੰਤ		evening max er	7644 Aug 01 01:45	0° <b>₽</b>	40 04 17
	7642 Feb 07 08:52	0° <b>≈</b>		desc. node	7644 Aug 17 03:39	0 <b>—</b> 10° <b>≏</b> 21'14	
desc. node	7642 Mar 02 08:10	28°≈36'48		greatest brilliancy	7644 Aug 20 10:28	11° <b>⊆</b> 45'06	-4.8m
acse. noue	7642 Mar 03 10:47	0° <b>)</b> €		retrograde	7644 Aug 31 07:33	13° <b>£</b> 54'38	
morning set	7642 Mar 20 19:45	21° <b>)</b> (45'46		evening set	7644 Sep 17 00:36	8° <b>£</b> 35'40	
morning sec	7642 Mar 27 09:16	0°Υ		inferior conj	7644 Sep 21 21:06	5° <b>£</b> 37'00	-7°14'34
	7642 Apr 20 05:59	0°8		minimum elong	7644 Sep 21 11:56	5° <b>£</b> 51'25	
	1	_		min. Earth dist.	7644 Sep 21 09:38	5° <b>£</b> 55'03	0.29026 AU
superior conj	7642 Apr 30 16:59	13° <b>8</b> 08'58	-1°27'21	morning rise	7644 Sep 25 23:24	3° <b>ഫ</b> 05'10	
minimum elong	7642 Apr 30 18:55	13° <b>8</b> 15'04		Ü	7644 Oct 01 19:38	30°R M⊅	
max. Earth dist.	7642 May 02 12:23		1.71280 AU	direct	7644 Oct 13 08:53	27° m/22'52	
	7642 May 14 02:53	$\Pi^{\circ}0$		greatest brilliancy	7644 Oct 23 10:23	29° m 11'59	-4.7m
	7642 Jun 07 01:58	0°€			7644 Oct 25 13:15	0° <b>⊽</b>	
evening rise	7642 Jun 10 02:52	3° <b>5</b> 47'28		morning max el	7644 Dec 01 06:14	27° <b>≙</b> 27'49	45°48'59
asc. node	7642 Jun 23 07:13	20° <b>©</b> 12'03			7644 Dec 03 20:31	0°M	
	7642 Jul 01 04:46	$0^{\circ}\Omega$		asc. node	7644 Dec 08 03:25	4° <b>M</b> 17′29	
	7642 Jul 25 12:22	O° My			7645 Jan 01 02:27	0° <b>∡</b> ¹	
	7642 Aug 19 02:14	0∘ <b>ত</b>			7645 Jan 27 01:55	0°ರ	
	7642 Sep 13 01:05	$0^{\circ}$ M			7645 Feb 21 01:34	0° <b>≈</b>	
	7642 Oct 08 13:49	0° <b>∡</b> ¹			7645 Mar 17 12:45	0° <b>ℋ</b>	
desc. node	7642 Oct 13 00:40	5° <b>₹</b> 08'14		desc. node	7645 Mar 29 20:12	15° <b>¥</b> 14'31	
	7642 Nov 04 01:36	0°ರ			7645 Apr 10 16:56	0°Υ	
	7642 Dec 02 12:49	0° <b>≈</b>			7645 May 04 17:25	0°B	
evening max el	7642 Dec 06 01:18	3° <b>≈</b> 26'48	46°07'55		7645 May 28 16:51	$\Pi^{\circ}0$	
	7643 Jan 08 19:06	0° <b>∀</b>		morning set	7645 Jun 04 18:06	8° <b>Ⅱ</b> 49'10	
greatest brilliancy	7643 Jan 14 15:55	2° <b>)</b> (31′21	-4.8m		7645 Jun 21 17:18	0ංම	
retrograde	7643 Jan 24 09:46	4° <b>)</b> 16'32		_			
asc. node	7643 Feb 03 00:56	2° <b>)</b> (24'59		superior conj	7645 Jul 13 17:55	27°524'26	
evening set	7643 Feb 07 20:42	0° <b>)</b> 11'13		minimum elong	7645 Jul 13 21:53	27° <b>©</b> 36'43	0°16'54
	7643 Feb 08 05:02	30°R <b>≈</b>			7645 Jul 15 20:03	$0^{\circ}\Omega$	

F 4 F 4	7645 1 1 16 10 24	10.012/50	1 72472 411	. 1	7640 F 1 11 06 16	70700153	46021112
max. Earth dist.	7645 Jul 16 19:34		1.72472 AU	morning max el	7648 Feb 11 06:16	7° <b>る</b> 00'53	46°31'13
asc. node	7645 Jul 20 19:08	6° <b>Ω</b> 09'16			7648 Mar 03 20:58	0° <b>≈</b>	
	7645 Aug 09 01:25	0° <b>Т</b> р			7648 Mar 29 22:58	0° <b>ℋ</b> 0° <b>Ƴ</b>	
evening rise	7645 Aug 20 14:07	14° Mp 13'44		1 1	7648 Apr 24 00:03		
	7645 Sep 02 09:29	0° <b>Մ</b> 0° <b>亚</b>		desc. node	7648 Apr 26 08:29	2° <b>Y</b> 51'12 0° <b>と</b>	
	7645 Sep 26 20:46	0°111℃			7648 May 18 13:26	0°U	
desc. node	7645 Oct 21 12:33 7645 Nov 09 12:24	0 <b>x</b> . 22° <b>x</b> 54'28			7648 Jun 11 21:37 7648 Jul 06 04:27	0°©	
desc. Hode	7645 Nov 15 10:24	22 <b>メ</b> ・34 28			7648 Jul 30 11:46	0° <b>U</b>	
	7645 Dec 10 16:05	0°≈		morning set	7648 Aug 15 02:35	19° <b>Ω</b> 15'20	
	7646 Jan 05 09:37	0 <b>≈</b>		asc. node	7648 Aug 17 07:03	21°Ω56'58	
	7646 Feb 01 03:55	0°Υ		asc. node	7648 Aug 23 19:48	0° m)	
evening max el	7646 Feb 16 16:36	16° <b>Υ</b> 15'53	46°54'19		7648 Sep 17 04:01	0∘ <del>ত</del> المار	
asc. node	7646 Mar 02 12:23	29° <b>Υ</b> 25'01	40 54 17		70-10 БСР 17 0-1.01	o <b>–</b>	
asc. node	7646 Mar 03 04:13	0° <b>8</b>		superior conj	7648 Sep 21 07:25	5° <b>≏</b> 06'16	1°11'32
greatest brilliancy	7646 Mar 29 10:52	17° <b>8</b> 24'41	-4.9m	minimum elong	7648 Sep 20 22:46	4° <b>£</b> 39'36	
retrograde	7646 Apr 08 05:50	19° <b>8</b> 14'37	1.5111	max. Earth dist.	7648 Sep 21 16:27	5° <b>£</b> 34'07	1.73318 AU
evening set	7646 Apr 26 10:49	12° <b>8</b> 55'34		man. Bartin diot.	7648 Oct 11 12:15	0°M	1.,5510110
inferior conj	7646 Apr 28 22:42	11° <b>8</b> 24'03	9°10'18	evening rise	7648 Oct 27 15:07	19°ML51'07	
minimum elong	7646 Apr 28 23:52	11° <b>8</b> 22'15	9°10'12	evening rise	7648 Nov 04 21:01	0° <b>∡</b> 7	
min. Earth dist.	7646 Apr 28 19:24	11° <b>8</b> 29'08	0.27145 AU		7648 Nov 29 07:04	0°ප	
morning rise	7646 May 01 12:57	9° <b>8</b> 48'57		desc. node	7648 Dec 07 00:16	9° <b>ට</b> 27'53	
direct	7646 May 19 13:08	3° <b>8</b> 36'31			7648 Dec 23 18:36	0°≈	
greatest brilliancy	7646 May 29 02:57	5° <b>8</b> 20'06	-4.9m		7649 Jan 17 07:38	0° <b>)</b> €	
desc. node	7646 Jun 22 06:15	20° <b>8</b> 34'19			7649 Feb 10 23:24	0° <b>Υ</b>	
	7646 Jul 02 18:48	0° <b>I</b> I			7649 Mar 07 22:27	0° <b>႘</b>	
morning max el	7646 Jul 08 13:55	5° <b>Ⅱ</b> 36'13	46°29'54	asc. node	7649 Mar 29 23:53	25° <b>8</b> 48'23	
Č	7646 Jul 31 21:12	0ಂಣ			7649 Apr 02 16:04	0°II	
	7646 Aug 27 14:04	$0^{\circ}\Omega$			7649 Apr 30 10:19	0° <b>©</b>	
	7646 Sep 22 08:36	o° m⁄		evening max el	7649 Apr 30 10:58	0° <b>ട്ട</b> 01'37	46°52'38
asc. node	7646 Oct 13 05:22	24° Mp 46'32		•	7649 Jun 07 19:32	$0^{\circ}\Omega$	
	7646 Oct 17 14:00	0∘ <b>ত</b>		greatest brilliancy	7649 Jun 09 02:28	0° <b>Ω</b> 30'52	-4.8m
	7646 Nov 11 09:34	0°M		retrograde	7649 Jun 19 19:33	2° <b>Ω</b> 38'42	
	7646 Dec 05 21:37	0° <b>∡</b> ¹			7649 Jul 01 05:58	30° <b>ℝ</b> ∽	
	7646 Dec 30 04:21	ರ∘ರ		evening set	7649 Jul 04 22:44	28° <b>©</b> 07'40	
morning set	7647 Jan 03 07:07	5° <b>පි</b> 06'16		inferior conj	7649 Jul 10 20:24	24° <b>©</b> 35'22	2°12'33
	7647 Jan 23 07:28	0°≈		minimum elong	7649 Jul 11 01:20	24°527'44	2°10'55
desc. node	7647 Feb 01 22:04	11° <b>≈</b> 59'06		min. Earth dist.	7649 Jul 10 13:11	24°9546'34	0.27762 AU
max. Earth dist.	7647 Feb 08 13:39	20° <b>≈</b> 17'33	1.71742 AU	morning rise	7649 Jul 17 04:37	20°950'38	
				desc. node	7649 Jul 19 17:56	19° <b>©</b> 33'53	
superior conj	7647 Feb 11 09:45	23° <b>≈</b> 50′27	-0°22'48	direct	7649 Jul 31 21:04	16° <b>©</b> 39'53	
minimum elong	7647 Feb 11 04:10	23° <b>≈</b> 33′01	0°22'27	greatest brilliancy	7649 Aug 10 15:05	18° <b>©</b> 24'40	-4.8m
	7647 Feb 16 07:53	0° <b>∀</b>			7649 Aug 30 13:46	$0$ $^{\circ}$ $\Omega$	
	7647 Mar 12 06:14	$0^{\circ}\mathbf{\Upsilon}$		morning max el	7649 Sep 18 19:19	16° <b>Ω</b> 46'48	45°47'52
evening rise	7647 Mar 23 13:16	14° <b>Y</b> 10′50			7649 Oct 02 01:31	0° <b>m</b> )	
	7647 Apr 05 03:42	0°8			7649 Oct 29 17:49	0∘ <b>⊽</b>	
	7647 Apr 29 02:20	0° <b>I</b> I		asc. node	7649 Nov 09 17:32	12° <b>≏</b> 30'03	
	7647 May 23 04:48	0°©			7649 Nov 24 18:37	0° <b>M</b> ₊	
asc. node	7647 May 25 21:22	3° <b>©</b> 19'47			7649 Dec 19 22:10	0° <b>∡</b>	
	7647 Jun 16 14:01	$\Omega^{\circ}\Omega$			7650 Jan 13 12:56	0° <b>ප</b>	
	7647 Jul 11 09:38	0° <b>т</b> р			7650 Feb 06 19:49	0° <b>≈</b>	
	7647 Aug 05 22:10	0∘ <b>w</b>		desc. node	7650 Mar 01 10:02	28°≈08'50	
	7647 Sep 01 18:47	0°M			7650 Mar 02 21:37	0° <b>∀</b>	
desc. node	7647 Sep 14 15:08	13°M24'48	45020121	morning set	7650 Mar 18 06:13	19° <b>)</b> 14'12	
evening max el	7647 Sep 22 17:11	21°M23'00 0°⊀	45°39'31		7650 Mar 26 20:03	0°Υ 0°¥	
	7647 Oct 02 02:07		4.7		7650 Apr 19 16:43	0°8	
greatest brilliancy	7647 Oct 31 18:44	19° <b>₹</b> 26'28	-4.7m	aumoriar cari	7650 1-20 02-50	10° <b>8</b> 38'55	1027125
retrograde	7647 Nov 10 10:17 7647 Nov 27 15:11	21° <b>尽</b> 07'16 15° <b>尽</b> 30'43		superior conj	7650 Apr 28 03:58	10° <b>6</b> 38'33	
evening set inferior conj	7647 Nov 27 15:11 7647 Dec 01 16:58	13° <b>×</b> ′30′43 13° <b>×</b> ′00′58	-7°14'42	minimum elong max. Earth dist.	7650 Apr 28 04:48 7650 Apr 29 17:34	10° <b>6</b> 41'32	1°27'40 1.71258 AU
minimum elong	7647 Dec 01 16:38 7647 Dec 02 02:21	13° <b>×</b> ′00′38 12° <b>×</b> ′46′20		max. Darui uist.	7650 May 13 13:37	0°Ⅱ	1./1230 AU
min. Earth dist.	7647 Dec 02 02:21 7647 Dec 02 11:52	12° <b>×</b> '46'20' 12° <b>×</b> '31'29	0.28615 AU		7650 Jun 06 12:42	0. 0.П	
morning rise	7647 Dec 02 11:32 7647 Dec 06 13:13	12° <b>×</b> '31'29 10° <b>×</b> '03'47	0.20013 AU	evening rise	7650 Jun 06 12:42 7650 Jun 07 14:45	1°921'20	
direct	7647 Dec 23 02:58	4° <b>×</b> <sup>7</sup> 46'19		asc. node	7650 Jun 22 09:10	1 <b>3</b> 21 20	
greatest brilliancy	7648 Jan 03 05:44	7° <b>₹</b> 03'30	-4.8m	450. HOUC	7650 Jun 30 15:32	19 <b>344</b> 47	
asc. node	7648 Jan 05 15:09	8° <b>₹</b> 04'35	1.0111		7650 Jul 24 23:18	0° <b>m</b> )	
	7648 Feb 04 01:25	0°중			7650 Aug 18 13:30	0∘ <b>⊽</b>	
	.0.0100 07 01.23	ÿ <b>O</b>			. 000 1145 10 13.30	· <del>-</del>	

	7650 0 10 10 00	00 <b>m</b>			7653 F. L. 20, 13, 24	00.	
	7650 Sep 12 13:00	0°M			7653 Feb 20 13:34	0° <b>≈</b>	
	7650 Oct 08 02:56	0° <b>∡</b> 7			7653 Mar 17 00:13	0° <b>∀</b>	
desc. node	7650 Oct 12 02:43	4° <b>⋌</b> ³35'41		desc. node	7653 Mar 28 22:18	14° <b>)</b> (45'56	
	7650 Nov 03 17:08	0°ප			7653 Apr 10 04:05	0° <b>Υ</b>	
	7650 Dec 02 10:47	0° <b>≈</b>			7653 May 04 04:23	0°8	
evening max el	7650 Dec 03 14:17	1° <b>≈</b> 06'44	46°06'18		7653 May 28 03:39	$\Pi$ $^{\circ}0$	
	7651 Jan 11 18:05	0° <b>ℋ</b>		morning set	7653 Jun 02 06:58	6° <b>Ⅱ</b> 25'36	
greatest brilliancy	7651 Jan 12 05:55	0° <b>升</b> 10′25	-4.8m		7653 Jun 21 04:00	$0$ $\circ$ $\infty$	
retrograde	7651 Jan 21 22:08	1° <b>¥</b> 54'31					
	7651 Jan 31 16:40	30° <b>R</b> ≈		superior conj	7653 Jul 11 08:24	25° <b>©</b> 07'21	-0°20'30
asc. node	7651 Feb 02 02:46	29° <b>≈</b> 25′00		minimum elong	7653 Jul 11 13:10	25° <b>5</b> 22'07	0°20'22
evening set	7651 Feb 05 09:13	27° <b>≈</b> 49'48		max. Earth dist.	7653 Jul 14 09:41	28° <b>©</b> 54'53	1.72429 AU
inferior conj	7651 Feb 11 16:04	24°≈08'43	2°25'52		7653 Jul 15 06:40	$\Omega^{\circ}\Omega$	
minimum elong	7651 Feb 11 10:36	24° <b>≈</b> 17'07	2°24'14	asc. node	7653 Jul 19 21:00	5° <b>Ω</b> 42'12	
min. Earth dist.	7651 Feb 11 20:32	24°≈01'50	0.27085 AU	use. noue	7653 Aug 08 12:02	0° m)	
morning rise	7651 Feb 17 11:30	20°≈41'45	0.27003710	evening rise	7653 Aug 18 06:55	12° <b>m</b> )04'51	
direct	7651 Mar 04 10:09	16°≈17'16		evening rise	7653 Sep 01 20:10	0° <b>⊡</b>	
		10 ∞17 10 18°≈17'59	-4.9m			0°M	
greatest brilliancy	7651 Mar 14 18:42		-4.9m		7653 Sep 26 07:39		
	7651 Apr 02 22:56	0° <b>)</b> {	4.60.5010.6		7653 Oct 20 23:48	0° <b>⊼</b>	
morning max el	7651 Apr 23 22:02	19° <b>)</b> 10'40	46°59'26	desc. node	7653 Nov 08 14:28	22° <b>₹</b> 25'31	
	7651 May 04 07:54	0° <b>Υ</b>			7653 Nov 14 22:17	0°ಕ	
desc. node	7651 May 24 20:31	22° <b>Y</b> '42'51			7653 Dec 10 05:01	0° <b>≈</b>	
	7651 May 31 05:03	0°8			7654 Jan 05 00:21	0° <b>∀</b>	
	7651 Jun 25 18:41	$\Pi$ $^{\circ}0$			7654 Jan 31 22:27	$0$ ° $\Upsilon$	
	7651 Jul 20 19:49	0∘ <b>ௐ</b>		evening max el	7654 Feb 14 06:45	13° <b>Ƴ</b> 53'57	46°53'23
	7651 Aug 14 15:35	$\mathfrak{O}^{\circ}\mathfrak{O}$		asc. node	7654 Mar 01 14:27	28° <b>Y</b> 20′55	
	7651 Sep 08 08:09	0° <b>m</b> y			7654 Mar 03 12:37	0°8	
asc. node	7651 Sep 14 19:12	7° m 52'25		greatest brilliancy	7654 Mar 26 23:13	14° <b>8</b> 58'25	-4.9m
	7651 Oct 02 21:38	0∘ <u>⊽</u>		retrograde	7654 Apr 05 19:36	16° <b>8</b> 49'24	
morning set	7651 Oct 23 19:25	25° <b>≏</b> 39'52		evening set	7654 Apr 23 23:17	10° <b>8</b> 31'01	
	7651 Oct 27 07:57	0°M		inferior conj	7654 Apr 26 11:37	8° <b>8</b> 58'52	9°11'08
	7651 Nov 20 15:38	0°× <b>7</b> 1		minimum elong	7654 Apr 26 11:49	8° <b>8</b> 58'33	9°11'04
max. Earth dist.	7651 Nov 27 10:32	8° <b>∡</b> <sup>7</sup> 23'34	1.72960 AU	min. Earth dist.	7654 Apr 26 07:24	9° <b>8</b> 05'21	0.27130 AU
max. Larm dist.	7031 140V 27 10.32	0 × 25 54	1.72700 AC	morning rise	7654 Apr 29 00:24	7° <b>8</b> 26'09	0.27130 AC
aumariar aoni	7651 Nov. 20, 00:41	10° <b>∡</b> ¹49'20	1°13'02	direct	•	1° <b>8</b> 11'36	
superior conj	7651 Nov 29 09:41 7651 Nov 29 18:21		1°12'54		7654 May 17 02:24		4.0
minimum elong		11° <b>∡</b> 16′09	1-12-54	greatest brilliancy	7654 May 26 14:49	2° <b>8</b> 54'29	-4.9m
	7651 Dec 14 21:34	0°る		desc. node	7654 Jun 21 08:13	19° <b>8</b> 29'04	
desc. node	7652 Jan 04 12:04	25° <b>る</b> 32'33			7654 Jul 02 19:42	$\Pi$ $^{\circ}0$	
evening rise	7652 Jan 06 09:30	27° <b>る</b> 53'28		morning max el	7654 Jul 06 04:32	3° <b>Ⅱ</b> 17'26	46°31'27
	7652 Jan 08 02:18	0° <b>≈</b>				0.00	
	7(5) F 1 01 05 54				7654 Jul 31 13:51	0ಂತಾ	
	7652 Feb 01 05:54	0° <b>∀</b>			7654 Jul 31 13:51 7654 Aug 27 03:51	0.℃ 0.€	
	7652 Feb 01 05:54 7652 Feb 25 08:41	0° <b>ℋ</b> 0° <b>Ƴ</b>					
				asc. node	7654 Aug 27 03:51	$0^{\circ}\Omega$	
	7652 Feb 25 08:41	$0$ ° $\Upsilon$		asc. node	7654 Aug 27 03:51 7654 Sep 21 20:59	0° <b>Ω</b> 0° <b>m</b>	
asc. node	7652 Feb 25 08:41 7652 Mar 20 12:14	0°β 0°γ		asc. node	7654 Aug 27 03:51 7654 Sep 21 20:59 7654 Oct 12 07:26	0° <b>Ω</b> 0° <b>m</b> 24° <b>m</b> 17'45	
asc. node	7652 Feb 25 08:41 7652 Mar 20 12:14 7652 Apr 13 19:53	0°Υ 0°Σ 0°Υ		asc. node	7654 Aug 27 03:51 7654 Sep 21 20:59 7654 Oct 12 07:26 7654 Oct 17 01:34	0° <b>N</b> 0° <b>M</b> 24° <b>M</b> 17'45 0° <b>⊆</b>	
asc. node	7652 Feb 25 08:41 7652 Mar 20 12:14 7652 Apr 13 19:53 7652 Apr 26 11:36	0°Υ 0°႘ 0°Ⅱ 15°Ⅱ26'46		asc. node	7654 Aug 27 03:51 7654 Sep 21 20:59 7654 Oct 12 07:26 7654 Oct 17 01:34 7654 Nov 10 20:40	0° <b>ብ</b> 0° <b>₥</b> 24° <b>₥</b> 17'45 0° <b>ჲ</b> 0° <b>ጤ</b>	
asc. node	7652 Feb 25 08:41 7652 Mar 20 12:14 7652 Apr 13 19:53 7652 Apr 26 11:36 7652 May 08 13:04	0°Υ 0°႘ 0°Ⅱ 15°Ⅱ26'46 0°ᢒ		asc. node	7654 Aug 27 03:51 7654 Sep 21 20:59 7654 Oct 12 07:26 7654 Oct 17 01:34 7654 Nov 10 20:40 7654 Dec 05 08:28	0° A 0° M 24° M 17'45 0° A 0° M 0° ⊀	
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asc. node	7652 Feb 25 08:41 7652 Mar 20 12:14 7652 Apr 13 19:53 7652 Apr 26 11:36 7652 May 08 13:04 7652 Jun 03 00:48 7652 Jun 30 03:42 7652 Jul 10 11:57	0°Y 0°8 0°∏ 15°∏26'46 0°© 0°Ω 0°M 10°M32'32	46°06′00	morning set	7654 Aug 27 03:51 7654 Sep 21 20:59 7654 Oct 12 07:26 7654 Oct 17 01:34 7654 Nov 10 20:40 7654 Dec 05 08:28 7654 Dec 29 15:06 7654 Dec 31 22:19 7655 Jan 22 18:14	0° Ω 0° Mp 24° Mp 17'45 0° Ω 0° M 0° ♂ 0° ♂ 2° ♂ 551'11	
evening max el	7652 Feb 25 08:41 7652 Mar 20 12:14 7652 Apr 13 19:53 7652 Apr 26 11:36 7652 May 08 13:04 7652 Jun 03 00:48 7652 Jun 30 03:42 7652 Jul 10 11:57 7652 Aug 01 14:10	0°Y 0°8 0°11 15°1126'46 0°\$ 0°\$ 0°\$ 10°\$\text{m}\$32'32 0°\$	46°06'00	morning set desc. node	7654 Aug 27 03:51 7654 Sep 21 20:59 7654 Oct 12 07:26 7654 Oct 17 01:34 7654 Nov 10 20:40 7654 Dec 05 08:28 7654 Dec 29 15:06 7654 Dec 31 22:19 7655 Jan 22 18:14 7655 Jan 31 23:59	0° N 0° M 24° M 17'45 0° Ω 0° M 0° ౘ 0° ౘ 2° ౘ 51'11 0° ≈ 11° ≈ 31'25	1 71782 AU
evening max el desc. node	7652 Feb 25 08:41 7652 Mar 20 12:14 7652 Apr 13 19:53 7652 Apr 26 11:36 7652 May 08 13:04 7652 Jun 03 00:48 7652 Jun 30 03:42 7652 Jul 10 11:57 7652 Aug 01 14:10 7652 Aug 16 05:36	0°Y 0°B 0°用 15°用26'46 0°亞 0°A 0°m 10°m32'32 0° <u>亞</u> 8° <u>亞</u> 49'12		morning set	7654 Aug 27 03:51 7654 Sep 21 20:59 7654 Oct 12 07:26 7654 Oct 17 01:34 7654 Nov 10 20:40 7654 Dec 05 08:28 7654 Dec 29 15:06 7654 Dec 31 22:19 7655 Jan 22 18:14	0° N 0° M 24° M 17'45 0° Ω 0° M 0° ౘ 0° ౘ 2° ౘ 51'11 0° ≈ 11° ≈ 31'25	1.71782 AU
evening max el desc. node greatest brilliancy	7652 Feb 25 08:41 7652 Mar 20 12:14 7652 Apr 13 19:53 7652 Apr 26 11:36 7652 May 08 13:04 7652 Jun 03 00:48 7652 Jun 30 03:42 7652 Jul 10 11:57 7652 Aug 01 14:10 7652 Aug 16 05:36 7652 Aug 18 01:43	0°Y 0°8 0°II 15°II26'46 0°© 0°A 0°M 10°M32'32 0° <u>മ</u> 8°£49'12 9°£34'08	46°06'00 -4.8m	morning set  desc. node max. Earth dist.	7654 Aug 27 03:51 7654 Sep 21 20:59 7654 Oct 12 07:26 7654 Oct 17 01:34 7654 Nov 10 20:40 7654 Dec 05 08:28 7654 Dec 29 15:06 7654 Dec 31 22:19 7655 Jan 22 18:14 7655 Jan 31 23:59 7655 Feb 06 01:29	0° N 0° M 24° M 17'45 0° Ω 0° M 0° ౘ 0° ౘ 2° ౘ51'11 0° ≈ 11° ≈ 31'25 17° ≈ 50'45	
evening max el  desc. node greatest brilliancy retrograde	7652 Feb 25 08:41 7652 Mar 20 12:14 7652 Apr 13 19:53 7652 Apr 26 11:36 7652 May 08 13:04 7652 Jun 03 00:48 7652 Jun 30 03:42 7652 Jul 10 11:57 7652 Aug 01 14:10 7652 Aug 16 05:36 7652 Aug 18 01:43 7652 Aug 28 23:55	0°Y 0°8 0°II 15°II26'46 0°© 0°A 0°M 10°M32'32 0° <u>©</u> 8°£49'12 9°£34'08 11°£45'14		morning set  desc. node max. Earth dist.  superior conj	7654 Aug 27 03:51 7654 Sep 21 20:59 7654 Oct 12 07:26 7654 Oct 17 01:34 7654 Nov 10 20:40 7654 Dec 05 08:28 7654 Dec 29 15:06 7654 Dec 31 22:19 7655 Jan 22 18:14 7655 Jan 31 23:59 7655 Feb 06 01:29	0° N 0° M 24° M 17'45 0° Ω 0° M 0° % 0° Ö 2° Ö 51'11 0° ≈ 11° ≈ 31'25 17° ≈ 50'45 21° ≈ 25'12	-0°19'06
evening max el  desc. node greatest brilliancy retrograde evening set	7652 Feb 25 08:41 7652 Mar 20 12:14 7652 Apr 13 19:53 7652 Apr 26 11:36 7652 May 08 13:04 7652 Jun 03 00:48 7652 Jun 30 03:42 7652 Jul 10 11:57 7652 Aug 01 14:10 7652 Aug 16 05:36 7652 Aug 18 01:43 7652 Aug 28 23:55 7652 Sep 14 13:39	0° <b>Y</b> 0° <b>U</b> 15° <b>U</b> 26'46 0°\$ 0° <b>U</b> 10° <b>W</b> 10° <b>W</b> 32'32 0°• 8°• 49'12 9°• 34'08 11°• 45'14 6°• 30'25	-4.8m	morning set  desc. node max. Earth dist.	7654 Aug 27 03:51 7654 Sep 21 20:59 7654 Oct 12 07:26 7654 Oct 17 01:34 7654 Nov 10 20:40 7654 Dec 05 08:28 7654 Dec 29 15:06 7654 Dec 31 22:19 7655 Jan 22 18:14 7655 Jan 31 23:59 7655 Feb 06 01:29 7655 Feb 08 22:07 7655 Feb 08 17:25	0° N 0° M 24° M 17'45 0° Ω 0° M 0° % 0° Ö 2° Ö 51'11 0° ≈ 11° ≈ 31'25 17° ≈ 50'45 21° ≈ 25'12 21° ≈ 10'33	-0°19'06
evening max el  desc. node greatest brilliancy retrograde evening set min. Earth dist.	7652 Feb 25 08:41 7652 Mar 20 12:14 7652 Apr 13 19:53 7652 Apr 26 11:36 7652 May 08 13:04 7652 Jun 03 00:48 7652 Jun 30 03:42 7652 Jul 10 11:57 7652 Aug 10 14:10 7652 Aug 10 05:36 7652 Aug 10 05:36 7652 Aug 10 14:3 7652 Aug 10 14:3 7652 Aug 10 13:39 7652 Sep 14 13:39 7652 Sep 19 01:05	0°Y 0°B 0°I 15°I26'46 0°© 0°R 0°M 10°M32'32 0°Ω 8°Ω49'12 9°Ω34'08 11°Ω45'14 6°Ω30'25 3°Ω46'40	-4.8m 0.28999 AU	morning set  desc. node max. Earth dist.  superior conj	7654 Aug 27 03:51 7654 Sep 21 20:59 7654 Oct 12 07:26 7654 Oct 17 01:34 7654 Nov 10 20:40 7654 Dec 05 08:28 7654 Dec 29 15:06 7654 Dec 31 22:19 7655 Jan 22 18:14 7655 Jan 31 23:59 7655 Feb 06 01:29  7655 Feb 08 22:07 7655 Feb 08 17:25 7655 Feb 15 18:43	0° \$\hat{O}\$ 0° \$\mathbf{m}\$ 24° \$\mathbf{m}\$ 17'45 0° \$\mathbf{n}\$ 0° \$\mathbf{m}\$ 0° \$\mathbf{n}\$ 0° \$\mathbf{n}\$ 2° \$\mathbf{S}\$51'11 0° \$\infty\$ 11° \$\approx 50'45  21° \$\approx 25'12 21° \$\approx 10'33 0° \$\mathbf{n}\$	-0°19'06
evening max el  desc. node greatest brilliancy retrograde evening set min. Earth dist. inferior conj	7652 Feb 25 08:41 7652 Mar 20 12:14 7652 Apr 13 19:53 7652 Apr 26 11:36 7652 May 08 13:04 7652 Jun 03 00:48 7652 Jun 30 03:42 7652 Jul 10 11:57 7652 Aug 01 14:10 7652 Aug 16 05:36 7652 Aug 18 01:43 7652 Aug 28 23:55 7652 Sep 14 13:39 7652 Sep 19 01:05 7652 Sep 19 13:17	0° <b>Y</b> 0° <b>U</b> 15° <b>U</b> 26'46 0° <b>©</b> 0° <b>U</b> 10° <b>W</b> 32'32 0° <b>Ω</b> 8° <b>Ω</b> 49'12 9° <b>Ω</b> 34'08 11° <b>Ω</b> 45'14 6° <b>Ω</b> 30'25 3° <b>Ω</b> 46'40 3° <b>Ω</b> 27'32	-4.8m 0.28999 AU -7°03'27	morning set  desc. node max. Earth dist.  superior conj minimum elong	7654 Aug 27 03:51 7654 Sep 21 20:59 7654 Oct 12 07:26 7654 Oct 17 01:34 7654 Nov 10 20:40 7654 Dec 05 08:28 7654 Dec 29 15:06 7654 Dec 31 22:19 7655 Jan 22 18:14 7655 Jan 31 23:59 7655 Feb 06 01:29  7655 Feb 08 22:07 7655 Feb 08 17:25 7655 Feb 15 18:43 7655 Mar 11 17:09	0° \$\hat{O}\$ 0° \$\mathbf{m}\$ 24° \$\mathbf{m}\$ 17'45 0° \$\mathbf{n}\$ 0° \$\mathbf{m}\$ 0° \$\mathbf{d}\$ 2° \$\mathbf{G}\$ 51'11 0° \$\approx\$ 11° \$\approx 50'45  21° \$\approx 25'12 21° \$\approx 10'33 0° \$\mathbf{H}\$ 0° \$\mathbf{V}\$	-0°19'06
evening max el  desc. node greatest brilliancy retrograde evening set min. Earth dist. inferior conj minimum elong	7652 Feb 25 08:41 7652 Mar 20 12:14 7652 Apr 13 19:53 7652 Apr 26 11:36 7652 May 08 13:04 7652 Jun 03 00:48 7652 Jun 30 03:42 7652 Jul 10 11:57 7652 Aug 01 14:10 7652 Aug 16 05:36 7652 Aug 18 01:43 7652 Aug 28 23:55 7652 Sep 14 13:39 7652 Sep 19 01:05 7652 Sep 19 13:17 7652 Sep 19 03:50	0° <b>Y</b> 0° <b>႘</b> 0° <b>I</b> 15° <b>I</b> 126'46 0°�� 0° <b>Ω</b> 0° <b>№</b> 10° <b>№</b> 32'32 0°•Ω 8°•Ω49'12 9°•Ω34'08 11°•Ω45'14 6°•Ω30'25 3°•Ω46'40 3°•Ω27'32 3°•Ω42'21	-4.8m 0.28999 AU	morning set  desc. node max. Earth dist.  superior conj	7654 Aug 27 03:51 7654 Sep 21 20:59 7654 Oct 12 07:26 7654 Oct 17 01:34 7654 Nov 10 20:40 7654 Dec 05 08:28 7654 Dec 29 15:06 7654 Dec 31 22:19 7655 Jan 22 18:14 7655 Jan 31 23:59 7655 Feb 06 01:29 7655 Feb 08 22:07 7655 Feb 08 17:25 7655 Feb 15 18:43 7655 Mar 11 17:09 7655 Mar 21 00:36	0°ብ 0°ጥ 24°ጥ17'45 0° <u>ብ</u> 0°ጤ 0°ጃ 0°उ 2°उ51'11 0°≈ 11°≈31'25 17°≈50'45 21°≈10'33 0°升 0°ጥ 11°Υ41'23	-0°19'06
evening max el  desc. node greatest brilliancy retrograde evening set min. Earth dist. inferior conj	7652 Feb 25 08:41 7652 Mar 20 12:14 7652 Apr 13 19:53 7652 Apr 26 11:36 7652 May 08 13:04 7652 Jun 03 00:48 7652 Jun 30 03:42 7652 Jul 10 11:57 7652 Aug 01 14:10 7652 Aug 16 05:36 7652 Aug 18 01:43 7652 Aug 28 23:55 7652 Sep 14 13:39 7652 Sep 19 01:05 7652 Sep 19 03:50 7652 Sep 23 18:10	0° <b>Y</b> 0° <b>U</b> 15° <b>U</b> 26'46 0° <b>©</b> 0° <b>U</b> 10° <b>W</b> 32'32 0° <b>Ω</b> 8° <b>Ω</b> 49'12 9° <b>Ω</b> 34'08 11° <b>Ω</b> 45'14 6° <b>Ω</b> 30'25 3° <b>Ω</b> 46'40 3° <b>Ω</b> 27'32 3° <b>Ω</b> 42'21 0° <b>Ω</b> 52'08	-4.8m 0.28999 AU -7°03'27	morning set  desc. node max. Earth dist.  superior conj minimum elong	7654 Aug 27 03:51 7654 Sep 21 20:59 7654 Oct 12 07:26 7654 Oct 17 01:34 7654 Nov 10 20:40 7654 Dec 05 08:28 7654 Dec 29 15:06 7654 Dec 31 22:19 7655 Jan 22 18:14 7655 Jan 31 23:59 7655 Feb 06 01:29 7655 Feb 08 22:07 7655 Feb 08 17:25 7655 Feb 15 18:43 7655 Mar 11 17:09 7655 Mar 21 00:36 7655 Apr 04 14:41	0°紀 0°順 24°順17'45 0°亞 0°肌 0°ズ 0°중 2°중51'11 0°≈ 11°≈31'25 17°≈50'45 21°≈10'33 0°升 0°쒸 11°Ƴ41'23 0°႘	-0°19'06
evening max el  desc. node greatest brilliancy retrograde evening set min. Earth dist. inferior conj minimum elong morning rise	7652 Feb 25 08:41 7652 Mar 20 12:14 7652 Apr 13 19:53 7652 Apr 26 11:36 7652 May 08 13:04 7652 Jun 03 00:48 7652 Jun 30 03:42 7652 Jul 10 11:57 7652 Aug 11 01:57 7652 Aug 16 05:36 7652 Aug 18 01:43 7652 Aug 28 23:55 7652 Sep 14 13:39 7652 Sep 19 01:05 7652 Sep 19 03:50 7652 Sep 23 18:10 7652 Sep 25 06:11	0°Y 0°B 0°I 15°I126'46 0°\$ 0°A 0°™ 10°™32'32 0°• 8°•49'12 9°•34'08 11°•45'14 6°•30'25 3°•46'40 3°•27'32 3°•42'21 0°•52'08 30°R™	-4.8m 0.28999 AU -7°03'27	morning set  desc. node max. Earth dist.  superior conj minimum elong	7654 Aug 27 03:51 7654 Sep 21 20:59 7654 Oct 12 07:26 7654 Oct 17 01:34 7654 Nov 10 20:40 7654 Dec 05 08:28 7654 Dec 29 15:06 7654 Dec 31 22:19 7655 Jan 22 18:14 7655 Jan 31 23:59 7655 Feb 06 01:29 7655 Feb 08 22:07 7655 Feb 08 17:25 7655 Feb 15 18:43 7655 Mar 11 17:09 7655 Apr 04 14:41 7655 Apr 28 13:25	0°和 0°m 24°m17'45 0° <u>m</u> 0°m 0°ズ 0°उ 2°उ51'11 0°≈ 11°≈31'25 17°≈50'45 21°≈25'12 21°≈10'33 0°升 0°Y 11°Y41'23 0°出	-0°19'06
evening max el  desc. node greatest brilliancy retrograde evening set min. Earth dist. inferior conj minimum elong morning rise  direct	7652 Feb 25 08:41 7652 Mar 20 12:14 7652 Apr 13 19:53 7652 Apr 26 11:36 7652 May 08 13:04 7652 Jun 03 00:48 7652 Jun 30 03:42 7652 Jul 10 11:57 7652 Aug 01 14:10 7652 Aug 16 05:36 7652 Aug 18 01:43 7652 Aug 28 23:55 7652 Sep 14 13:39 7652 Sep 19 01:05 7652 Sep 19 03:50 7652 Sep 23 18:10 7652 Sep 25 06:11 7652 Oct 11 00:26	0°Y 0°B 0°I 15°I126'46 0°© 0°A 0°™ 10°™32'32 0°Ω 8°Ω49'12 9°Ω34'08 11°Ω45'14 6°Ω30'25 3°Ω46'40 3°Ω27'32 3°Ω42'21 0°Ω52'08 30°R™ 25°™13'42	-4.8m 0.28999 AU -7°03'27 7°01'51	morning set  desc. node max. Earth dist.  superior conj minimum elong  evening rise	7654 Aug 27 03:51 7654 Sep 21 20:59 7654 Oct 12 07:26 7654 Oct 17 01:34 7654 Nov 10 20:40 7654 Dec 05 08:28 7654 Dec 29 15:06 7654 Dec 31 22:19 7655 Jan 22 18:14 7655 Jan 31 23:59 7655 Feb 06 01:29 7655 Feb 08 22:07 7655 Feb 08 17:25 7655 Feb 15 18:43 7655 Mar 11 17:09 7655 Apr 04 14:41 7655 Apr 28 13:25 7655 May 22 16:05	0°和 0°m 24°m17'45 0°亞 0°m 0°ズ 0°式 2°式51'11 0°≈ 11°≈31'25 17°≈50'45 21°≈25'12 21°≈10'33 0°米 0°Y 11°Y41'23 0°B 0°用 0°의	-0°19'06
evening max el  desc. node greatest brilliancy retrograde evening set min. Earth dist. inferior conj minimum elong morning rise	7652 Feb 25 08:41 7652 Mar 20 12:14 7652 Apr 13 19:53 7652 Apr 26 11:36 7652 May 08 13:04 7652 Jun 03 00:48 7652 Jun 30 03:42 7652 Jul 10 11:57 7652 Aug 01 14:10 7652 Aug 16 05:36 7652 Aug 18 01:43 7652 Aug 28 23:55 7652 Sep 14 13:39 7652 Sep 19 01:05 7652 Sep 19 01:05 7652 Sep 19 03:50 7652 Sep 23 18:10 7652 Sep 25 06:11 7652 Oct 11 00:26 7652 Oct 21 02:06	0°Y 0°B 0°I 15°I126'46 0°\$ 0°A 0°™ 10°™32'32 0°• 8°•49'12 9°•34'08 11°•45'14 6°•30'25 3°•46'40 3°•27'32 3°•42'21 0°•52'08 30°R™	-4.8m 0.28999 AU -7°03'27 7°01'51	morning set  desc. node max. Earth dist.  superior conj minimum elong	7654 Aug 27 03:51 7654 Sep 21 20:59 7654 Oct 12 07:26 7654 Oct 17 01:34 7654 Nov 10 20:40 7654 Dec 05 08:28 7654 Dec 29 15:06 7654 Dec 31 22:19 7655 Jan 22 18:14 7655 Jan 31 23:59 7655 Feb 06 01:29 7655 Feb 08 22:07 7655 Feb 08 17:25 7655 Feb 15 18:43 7655 Mar 11 17:09 7655 Apr 04 14:41 7655 Apr 28 13:25 7655 May 22 16:05 7655 May 24 23:19	0° N 0° M 24° M 17'45 0° 9 0° M 0° 7 0° 3 2° 351'11 0° ≈ 11° ≈ 31'25 17° ≈ 50'45 21° ≈ 25'12 21° ≈ 10'33 0° H 0° Y 11° Y 41'23 0° B 0° II 0° 9 2° 9550'50	-0°19'06
evening max el  desc. node greatest brilliancy retrograde evening set min. Earth dist. inferior conj minimum elong morning rise  direct	7652 Feb 25 08:41 7652 Mar 20 12:14 7652 Apr 13 19:53 7652 Apr 26 11:36 7652 May 08 13:04 7652 Jun 03 00:48 7652 Jun 30 03:42 7652 Jul 10 11:57 7652 Aug 01 14:10 7652 Aug 16 05:36 7652 Aug 18 01:43 7652 Aug 28 23:55 7652 Sep 14 13:39 7652 Sep 19 01:05 7652 Sep 19 03:50 7652 Sep 23 18:10 7652 Sep 25 06:11 7652 Oct 11 00:26	0°Y 0°B 0°I 15°I126'46 0°© 0°A 0°™ 10°™32'32 0°Ω 8°Ω49'12 9°Ω34'08 11°Ω45'14 6°Ω30'25 3°Ω46'40 3°Ω27'32 3°Ω42'21 0°Ω52'08 30°R™ 25°™13'42	-4.8m 0.28999 AU -7°03'27 7°01'51	morning set  desc. node max. Earth dist.  superior conj minimum elong  evening rise	7654 Aug 27 03:51 7654 Sep 21 20:59 7654 Oct 12 07:26 7654 Oct 17 01:34 7654 Nov 10 20:40 7654 Dec 05 08:28 7654 Dec 29 15:06 7654 Dec 31 22:19 7655 Jan 22 18:14 7655 Jan 31 23:59 7655 Feb 06 01:29 7655 Feb 08 22:07 7655 Feb 08 17:25 7655 Feb 15 18:43 7655 Mar 11 17:09 7655 Mar 21 00:36 7655 Apr 04 14:41 7655 Apr 28 13:25 7655 May 22 16:05 7655 May 24 23:19 7655 Jun 16 01:41	0°和 0°m 24°m17'45 0°亞 0°m 0°ズ 0°式 2°式51'11 0°≈ 11°≈31'25 17°≈50'45 21°≈25'12 21°≈10'33 0°米 0°Y 11°Y41'23 0°B 0°用 0°의	-0°19'06
evening max el  desc. node greatest brilliancy retrograde evening set min. Earth dist. inferior conj minimum elong morning rise  direct	7652 Feb 25 08:41 7652 Mar 20 12:14 7652 Apr 13 19:53 7652 Apr 26 11:36 7652 May 08 13:04 7652 Jun 03 00:48 7652 Jun 30 03:42 7652 Jul 10 11:57 7652 Aug 01 14:10 7652 Aug 16 05:36 7652 Aug 18 01:43 7652 Aug 28 23:55 7652 Sep 14 13:39 7652 Sep 19 01:05 7652 Sep 19 01:05 7652 Sep 19 03:50 7652 Sep 23 18:10 7652 Sep 25 06:11 7652 Oct 11 00:26 7652 Oct 21 02:06	0°Y 0°8 0°II 15°II26'46 0°© 0°Ω 0°M 10°M32'32 0°Ω 8°Ω49'12 9°Ω34'08 11°Ω45'14 6°Ω30'25 3°Ω46'40 3°Ω27'32 3°Ω42'21 0°Ω52'08 30°RM 25°M13'42 27°M03'00	-4.8m 0.28999 AU -7°03'27 7°01'51	morning set  desc. node max. Earth dist.  superior conj minimum elong  evening rise	7654 Aug 27 03:51 7654 Sep 21 20:59 7654 Oct 12 07:26 7654 Oct 17 01:34 7654 Nov 10 20:40 7654 Dec 05 08:28 7654 Dec 29 15:06 7654 Dec 31 22:19 7655 Jan 22 18:14 7655 Jan 31 23:59 7655 Feb 06 01:29 7655 Feb 08 22:07 7655 Feb 08 17:25 7655 Feb 15 18:43 7655 Mar 11 17:09 7655 Apr 04 14:41 7655 Apr 28 13:25 7655 May 22 16:05 7655 May 24 23:19	0° N 0° M 24° M 17'45 0° 9 0° M 0° 7 0° 3 2° 351'11 0° ≈ 11° ≈ 31'25 17° ≈ 50'45 21° ≈ 25'12 21° ≈ 10'33 0° H 0° Y 11° Y 41'23 0° B 0° II 0° 9 2° 9550'50	-0°19'06
evening max el  desc. node greatest brilliancy retrograde evening set min. Earth dist. inferior conj minimum elong morning rise  direct greatest brilliancy	7652 Feb 25 08:41 7652 Mar 20 12:14 7652 Apr 13 19:53 7652 Apr 26 11:36 7652 May 08 13:04 7652 Jun 03 00:48 7652 Jun 30 03:42 7652 Jul 10 11:57 7652 Aug 01 14:10 7652 Aug 16 05:36 7652 Aug 18 01:43 7652 Aug 28 23:55 7652 Sep 14 13:39 7652 Sep 19 01:05 7652 Sep 19 01:05 7652 Sep 19 03:50 7652 Sep 23 18:10 7652 Oct 11 00:26 7652 Oct 27 19:24	0°Y 0°8 0°II 15°II26'46 0°© 0°Ω 0°M 10°M32'32 0°Ω 8°Ω49'12 9°Ω34'08 11°Ω45'14 6°Ω30'25 3°Ω46'40 3°Ω27'32 3°Ω42'21 0°Ω52'08 30°RM 25°M13'42 27°M03'00 0°Ω	-4.8m 0.28999 AU -7°03'27 7°01'51 -4.7m	morning set  desc. node max. Earth dist.  superior conj minimum elong  evening rise	7654 Aug 27 03:51 7654 Sep 21 20:59 7654 Oct 12 07:26 7654 Oct 17 01:34 7654 Nov 10 20:40 7654 Dec 05 08:28 7654 Dec 29 15:06 7654 Dec 31 22:19 7655 Jan 22 18:14 7655 Jan 31 23:59 7655 Feb 06 01:29 7655 Feb 08 22:07 7655 Feb 08 17:25 7655 Feb 15 18:43 7655 Mar 11 17:09 7655 Mar 21 00:36 7655 Apr 04 14:41 7655 Apr 28 13:25 7655 May 22 16:05 7655 May 24 23:19 7655 Jun 16 01:41	0° \( \alpha\) 0° \( \mathbf{m}\) 24° \( \mathbf{m}\) 17'45 0° \( \alpha\) 0° \( \mathbf{m}\) 0° \( \mathbf{s}\) 0° \( \mathbf{s}\) 2° \( \mathbf{s}\) 51'111 0° \( \pi\) 11° \( \pi\) 31'25 17° \( \pi\) 50'45  21° \( \pi\) 25'12 21° \( \pi\) 10'33 0° \( \mathbf{s}\) 0° \( \mathbf{y}\) 11° \( \mathbf{s}\) 41'23 0° \( \mathbf{s}\)	-0°19'06
evening max el  desc. node greatest brilliancy retrograde evening set min. Earth dist. inferior conj minimum elong morning rise  direct greatest brilliancy	7652 Feb 25 08:41 7652 Mar 20 12:14 7652 Apr 13 19:53 7652 Apr 26 11:36 7652 May 08 13:04 7652 Jun 03 00:48 7652 Jun 30 03:42 7652 Jul 10 11:57 7652 Aug 16 05:36 7652 Aug 16 05:36 7652 Aug 18 01:43 7652 Aug 28 23:55 7652 Sep 14 13:39 7652 Sep 19 01:05 7652 Sep 19 01:05 7652 Sep 19 03:50 7652 Sep 23 18:10 7652 Sep 25 06:11 7652 Oct 11 00:26 7652 Oct 27 19:24 7652 Nov 28 21:40	0°Y 0°8 0°II 15°II26'46 0°© 0°Ω 0°I 10°I)32'32 0°Ω 8°Ω49'12 9°Ω34'08 11°Ω45'14 6°Ω30'25 3°Ω46'40 3°Ω27'32 3°Ω42'21 0°Ω52'08 30°R 10°Ω52'08 30°R 25°I)13'42 27°I)03'00 0°Ω 25°Ω16'13	-4.8m 0.28999 AU -7°03'27 7°01'51 -4.7m	morning set  desc. node max. Earth dist.  superior conj minimum elong  evening rise	7654 Aug 27 03:51 7654 Sep 21 20:59 7654 Oct 12 07:26 7654 Oct 17 01:34 7654 Nov 10 20:40 7654 Dec 05 08:28 7654 Dec 29 15:06 7654 Dec 31 22:19 7655 Jan 22 18:14 7655 Jan 31 23:59 7655 Feb 06 01:29  7655 Feb 08 22:07 7655 Feb 08 17:25 7655 Feb 15 18:43 7655 Mar 11 17:09 7655 Mar 21 00:36 7655 Apr 04 14:41 7655 Apr 28 13:25 7655 May 22 16:05 7655 May 24 23:19 7655 Jun 16 01:41 7655 Jul 10 21:58	0° R 0° M 24° M 17'45 0° Ω 0° M 0° % 0° % 0° % 10° % 11° % 31'25 17° % 50'45  21° % 25'12 21° % 10'33 0° % 0° Y 11° Y 41'23 0° Ω 0° Ω 0° Ω 0° M	-0°19'06
evening max el  desc. node greatest brilliancy retrograde evening set min. Earth dist. inferior conj minimum elong morning rise  direct greatest brilliancy morning max el	7652 Feb 25 08:41 7652 Mar 20 12:14 7652 Apr 13 19:53 7652 Apr 26 11:36 7652 May 08 13:04 7652 Jun 03 00:48 7652 Jun 30 03:42 7652 Jul 10 11:57 7652 Aug 16 05:36 7652 Aug 16 05:36 7652 Aug 18 01:43 7652 Aug 28 23:55 7652 Sep 14 13:39 7652 Sep 19 01:05 7652 Sep 19 03:50 7652 Sep 19 03:50 7652 Sep 23 18:10 7652 Sep 25 06:11 7652 Oct 11 00:26 7652 Oct 27 19:24 7652 Nov 28 21:40 7652 Dec 03 17:02	0°Y 0°B 0°II 15°II26'46 0°© 0°A 0°M 10°M32'32 0°Ω 8°Ω49'12 9°Ω34'08 11°Ω45'14 6°Ω30'25 3°Ω46'40 3°Ω27'32 3°Ω42'21 0°Ω52'08 30°RM 25°M13'42 27°M03'00 0°Ω 25°Ω16'13 0°IL	-4.8m 0.28999 AU -7°03'27 7°01'51 -4.7m	morning set  desc. node max. Earth dist.  superior conj minimum elong  evening rise	7654 Aug 27 03:51 7654 Sep 21 20:59 7654 Oct 12 07:26 7654 Oct 17 01:34 7654 Nov 10 20:40 7654 Dec 05 08:28 7654 Dec 29 15:06 7654 Dec 31 22:19 7655 Jan 22 18:14 7655 Jan 31 23:59 7655 Feb 06 01:29  7655 Feb 08 22:07 7655 Feb 08 17:25 7655 Feb 15 18:43 7655 Mar 11 17:09 7655 Mar 21 00:36 7655 Apr 04 14:41 7655 Apr 28 13:25 7655 May 22 16:05 7655 May 24 23:19 7655 Jun 16 01:41 7655 Jul 10 21:58 7655 Aug 05 11:51	0° R 0° M 24° M 17'45 0° Ω 0° M 0° 8' 2° 851'11 0° ≈ 11° ≈ 31'25 17° ≈ 50'45 21° ≈ 10'33 0° H 0° Y 11° Y 41'23 0° B 0° M 0° Ω 0° Ω 0° Ω 0° Ω 0° Ω 0° Ω	-0°19'06
evening max el  desc. node greatest brilliancy retrograde evening set min. Earth dist. inferior conj minimum elong morning rise  direct greatest brilliancy morning max el	7652 Feb 25 08:41 7652 Mar 20 12:14 7652 Apr 13 19:53 7652 Apr 26 11:36 7652 May 08 13:04 7652 Jun 03 00:48 7652 Jun 30 03:42 7652 Jul 10 11:57 7652 Aug 16 05:36 7652 Aug 16 05:36 7652 Aug 18 01:43 7652 Aug 28 23:55 7652 Sep 14 13:39 7652 Sep 19 01:05 7652 Sep 19 03:50 7652 Sep 19 03:50 7652 Sep 23 18:10 7652 Oct 21 02:06 7652 Oct 21 02:06 7652 Oct 27 19:24 7652 Dec 03 17:02 7652 Dec 07 05:24	0°Y 0°B 0°I 15°I126'46 0°© 0°R 0°M 10°M32'32 0°Ω 8°Ω49'12 9°Ω34'08 11°Ω45'14 6°Ω30'25 3°Ω46'40 3°Ω27'32 3°Ω42'21 0°Ω52'08 30°RM 25°M13'42 27°M03'00 0°Ω 25°Ω16'13 0°M 3°M33'18	-4.8m 0.28999 AU -7°03'27 7°01'51 -4.7m	morning set  desc. node max. Earth dist.  superior conj minimum elong  evening rise  asc. node	7654 Aug 27 03:51 7654 Sep 21 20:59 7654 Oct 12 07:26 7654 Oct 17 01:34 7654 Nov 10 20:40 7654 Dec 05 08:28 7654 Dec 29 15:06 7654 Dec 31 22:19 7655 Jan 22 18:14 7655 Jan 31 23:59 7655 Feb 06 01:29  7655 Feb 08 22:07 7655 Feb 08 17:25 7655 Feb 15 18:43 7655 Mar 21 17:09 7655 Mar 21 00:36 7655 Apr 04 14:41 7655 Apr 28 13:25 7655 May 24 23:19 7655 Jun 16 01:41 7655 Jul 10 21:58 7655 Aug 05 11:51 7655 Sep 01 11:37	0° A 0° M 24° M 17'45 0° A 0° M 0° A 0° B 2° B 51'11 0° ≈ 11° ≈ 31'25 17° ≈ 50'45  21° ≈ 10'33 0° H 0° Y 11° Y 41'23 0° B 0° M 0° B 0° M 0° M 0° A	-0°19'06 0°18'48

	7655 Oct 02 06:16	0° <b>∡</b> 7			7658 Apr 19 03:46	0° <b>႘</b>	
greatest brilliancy	7655 Oct 29 09:19	17° <b>∡</b> 14'37	-4.7m				
retrograde	7655 Nov 08 01:23	18° <b>₹</b> 55'30		superior conj	7658 Apr 25 14:58	8° <b>8</b> 07'54	-1°27'38
evening set	7655 Nov 25 09:24	13° <b>∡</b> 14'53		minimum elong	7658 Apr 25 14:42	8° <b>8</b> 07'04	
inferior conj	7655 Nov 29 08:36	10° <b>∡</b> ′48′35		max. Earth dist.	7658 Apr 26 19:55	9° <b>8</b> 38'54	1.71242 AU
minimum elong	7655 Nov 29 17:39	10° <b>∡</b> ³34'25	7°23'53		7658 May 13 00:40	0°II	
min. Earth dist.	7655 Nov 30 02:41	10° ₹ 20'18	0.28666 AU	evening rise	7658 Jun 05 02:34	28° <b>Ⅱ</b> 53'50	
morning rise direct	7655 Dec 04 01:39 7655 Dec 20 19:23	7° ₹ 55'42 2° ₹ 33'37		asc. node	7658 Jun 05 23:46 7658 Jun 21 11:05	0° <b>©</b> 19° <b>©</b> 16'15	
greatest brilliancy	7655 Dec 31 20:42	4° <b>×</b> <sup>7</sup> 49'09	-4.8m	asc. node	7658 Jun 30 02:40	0°Ω	
asc. node	7656 Jan 04 17:02	6°×731'40	- <del>4</del> .0m		7658 Jul 24 10:34	0° <b>m</b> )	
use. noue	7656 Feb 04 01:50	0°る			7658 Aug 18 01:06	0∘ <del>⊽</del>	
morning max el	7656 Feb 08 21:10	4° <b>ප්</b> 43'25	46°29'26		7658 Sep 12 01:15	0° <b>M</b>	
	7656 Mar 03 13:30	0°≈			7658 Oct 07 16:27	0° <b>∡</b> ⊓	
	7656 Mar 29 12:57	0° <b>)</b> €		desc. node	7658 Oct 11 04:43	4° <b>∡</b> °01'58	
	7656 Apr 23 12:48	$0^{\circ}\Upsilon$			7658 Nov 03 09:15	0°ಕ	
desc. node	7656 Apr 25 10:26	2° <b>Y</b> 18'40		evening max el	7658 Dec 01 03:12	28° <b>る</b> 45'38	46°04'37
	7656 May 18 01:26	$9^{\circ}$ 8			7658 Dec 02 10:08	0° <b>≈</b>	
	7656 Jun 11 09:07	$\Pi^{\circ}0$		greatest brilliancy	7659 Jan 09 19:39	27° <b>≈</b> 48′02	-4.8m
	7656 Jul 05 15:36	0°95		retrograde	7659 Jan 19 10:59	29° <b>≈</b> 31'38	
	7656 Jul 29 22:40	0°N		asc. node	7659 Feb 01 04:51	26°≈19'03	
morning set	7656 Aug 12 19:12	17° <b>Ω</b> 05'26		evening set	7659 Feb 02 21:59	25°≈26'53	2002147
asc. node	7656 Aug 16 09:04	21° <b>Ω</b> 30'03 0° <b>m</b>		inferior conj	7659 Feb 09 05:23	21°≈45'26 21°≈52'34	2°02'47 2°01'24
	7656 Aug 23 06:32 7656 Sep 16 14:40	0∘ <b>ʊ</b> 0 ılıı		minimum elong min. Earth dist.	7659 Feb 09 00:45 7659 Feb 09 11:12	21 ≈32 34 21°≈36'30	
	7030 Sep 10 14.40	0 ==		morning rise	7659 Feb 15 02:55	18°≈15'38	0.27118 AU
superior conj	7656 Sep 19 01:10	3° <b>ഫ</b> 00'15	1°09'41	direct	7659 Mar 01 23:23	13°≈53'02	
minimum elong	7656 Sep 18 16:17	2° <b>£</b> 32'51	1°09'26	greatest brilliancy	7659 Mar 12 10:21	15°≈55'56	-4.9m
max. Earth dist.	7656 Sep 19 12:32	3° <b>Ω</b> 35'16	1.73309 AU	g,	7659 Apr 03 11:19	0° <b>∀</b>	
	7656 Oct 10 22:55	0°M		morning max el	7659 Apr 21 11:43	16° <b>¥</b> 46'32	46°59'25
evening rise	7656 Oct 25 08:36	17° <b>M</b> 44'04		C	7659 May 04 03:15	$0^{\circ}$ Y	
	7656 Nov 04 07:50	0° <b>∡</b> ¹		desc. node	7659 May 23 22:29	22° <b>Y</b> ′02'50	
	7656 Nov 28 18:08	5°0			7659 May 30 20:19	$9^{\circ}$ 8	
desc. node	7656 Dec 06 02:07	8° <b>る</b> 59'25			7659 Jun 25 08:09	$\Pi$ °0	
	7656 Dec 23 06:02	0° <b>≈</b>			7659 Jul 20 08:15	0ංම	
	7657 Jan 16 19:35	0° <b>)</b> €			7659 Aug 14 03:20	0° <b>N</b>	
	7657 Feb 10 12:06	0° <b>Υ</b>			7659 Sep 07 19:26	0° m)	
1	7657 Mar 07 12:23	0°8		asc. node	7659 Sep 13 21:16	7° m/24'34	
asc. node	7657 Mar 29 01:57 7657 Apr 02 08:23	25° <b>႘</b> 08'59 0°Ⅱ		morning set	7659 Oct 02 08:37 7659 Oct 21 12:58	0° <b>ჲ</b> 23° <b>ჲ</b> 32'52	
evening max el	7657 Apr 28 01:14	0 H 27°H40'19	46°53'43	morning set	7659 Oct 26 18:46	23 <b>=</b> 32 32 0° <b>™</b>	
evening max er	7657 Apr 30 09:07	0°95	40 33 43		7659 Nov 20 02:26	0° <b>⊼</b> ′	
greatest brilliancy	7657 Jun 06 19:12	28° <b>©</b> 14'15	-4.9m	max. Earth dist.	7659 Nov 25 07:05	6° <b>∡</b> 725'16	1.72993 AU
g	7657 Jun 13 06:32	0° <b>N</b>			,,	V V = V - V	
retrograde	7657 Jun 17 10:05	0° <b>Ω</b> 20′08		superior conj	7659 Nov 27 02:41	8° <b>∡</b> ′40′04	1°14'43
	7657 Jun 21 11:46	30° <b>₹</b> 5		minimum elong	7659 Nov 27 10:59	9° <b>х</b> 05′43	1°14'37
evening set	7657 Jul 02 15:21	25° <b>5</b> 647'11			7659 Dec 14 08:26	ರ∘ರ	
inferior conj	7657 Jul 08 10:57	22° <b>©</b> 17'45	2°34'10	desc. node	7660 Jan 03 14:04	25° <b>る</b> 04'37	
minimum elong	7657 Jul 08 16:37	22° <b>©</b> 08'56	2°32'20	evening rise	7660 Jan 04 00:30	25° <b>る</b> 37'00	
min. Earth dist.	7657 Jul 08 04:38	22° <b>©</b> 27'33	0.27721 AU		7660 Jan 07 13:20	0° <b>≈</b>	
morning rise	7657 Jul 14 18:31	18° <b>©</b> 33'33			7660 Jan 31 17:09	0° <b>\</b>	
desc. node	7657 Jul 18 19:50	16°537'09			7660 Feb 24 20:12	0° <b>Υ</b>	
direct	7657 Jul 29 10:59	14°©22'55 16°©07'40	-4.8m		7660 Mar 20 00:05	0°Ⅱ 8°0	
greatest brilliancy	7657 Aug 08 05:19 7657 Aug 31 01:17	16° <b>3</b> 07'40' 0° <b>Ω</b>	-4.8m	asc. node	7660 Apr 13 08:15 7660 Apr 25 13:31	0°Ⅲ 14°Ⅲ53'54	
morning max el	7657 Sep 16 08:55	14° <b>Ω</b> 29'48	45°48'46	asc. node	7660 May 08 02:18	0°95	
morning max er	7657 Oct 01 19:52	0° m	45 46 46		7660 Jun 02 15:45	0° <b>U</b>	
	7657 Oct 29 08:09	0° <b>ʊ</b>			7660 Jun 29 22:54	0° m)	
asc. node	7657 Nov 08 19:29	0 <b>—</b> 11° <b>Ω</b> 56'44		evening max el	7660 Jul 08 03:24	8° <b>m</b> ) 17'58	46°07'43
	7657 Nov 24 07:17	0°M		<b>5</b>	7660 Aug 02 07:36	0∘ <b>⊽</b>	
	7657 Dec 19 10:02	0°⊀		desc. node	7660 Aug 15 07:45	7° <b>₽</b> 13'03	
	7658 Jan 13 00:23	ರ°0		greatest brilliancy	7660 Aug 15 16:47	7° <b>≏</b> 21'49	-4.8m
	7658 Feb 06 07:03	0° <b>≈</b>		retrograde	7660 Aug 26 16:54	9° <b>≏</b> 34'41	
desc. node	7658 Feb 28 12:08	27° <b>≈</b> 40'37		evening set	7660 Sep 12 02:46	4° <b>≙</b> 24'03	
	7658 Mar 02 08:44	0° <b>∀</b>		min. Earth dist.	7660 Sep 16 16:19	1° <b>≏</b> 37'30	
morning set	7658 Mar 15 16:42	16° <b>)</b> 41'49		inferior conj	7660 Sep 17 05:26	1° <b>≏</b> 16'58	
	7658 Mar 26 07:06	$0$ ° $\Upsilon$		minimum elong	7660 Sep 16 19:46	1° <b>≏</b> 32'07	6°50'00

	7660 Sep 19 06:47	30°R M⊅		behind sun end	7663 Feb 06 16:08	19° <b>≈</b> 17'31	
morning rise	7660 Sep 21 12:57	28° m 38'02		oomma san ona	7663 Feb 15 05:38	0° <b>∀</b>	
direct	7660 Oct 08 16:18	23° m 03'37			7663 Mar 11 04:08	0° <b>Υ</b>	
greatest brilliancy	7660 Oct 18 17:09	24° m 52'31	-4.7m	evening rise	7663 Mar 18 12:11	9° <b>Υ</b> 12'25	
· ·	7660 Oct 29 06:51	0∘ <u>⊽</u>		Ü	7663 Apr 04 01:47	0°B	
morning max el	7660 Nov 26 13:50	23° <b>Ω</b> 05'54	45°47'22		7663 Apr 28 00:41	0°II	
C	7660 Dec 03 13:09	0°M			7663 May 22 03:36	0ಂತಾ	
asc. node	7660 Dec 06 07:19	2°M48'56		asc. node	7663 May 24 01:13	2°521'06	
	7660 Dec 31 08:27	0°⊀			7663 Jun 15 13:35	$0$ $^{\circ}\Omega$	
	7661 Jan 26 04:03	5°0			7663 Jul 10 10:36	0° <b>m</b>	
	7661 Feb 20 01:50	0° <b>≈</b>			7663 Aug 05 01:53	0∘ <b>⊽</b>	
	7661 Mar 16 12:02	0° <b>∀</b>			7663 Sep 01 05:01	$0^{\circ}$ M	
desc. node	7661 Mar 28 00:17	14° <b>₩</b> 15'55		desc. node	7663 Sep 12 19:11	11° <b>M</b> 54'22	
	7661 Apr 09 15:37	$0$ ° $\mathbf{Y}$		evening max el	7663 Sep 18 00:09	16°M59'52	45°39'27
	7661 May 03 15:42	$9^{\circ}$ 8			7663 Oct 02 12:41	0° <b>∡</b> ¹	
	7661 May 27 14:48	$\Pi^{\circ}0$		greatest brilliancy	7663 Oct 27 00:23	15° <b>∡</b> °02'50	-4.7m
morning set	7661 May 30 19:28	3° <b>Ⅱ</b> 59'47		retrograde	7663 Nov 05 16:03	16° <b>∡</b> ¹43'27	
	7661 Jun 20 15:01	$0$ $\circ$		evening set	7663 Nov 23 03:30	10° <b>∡</b> ′58′55	
				inferior conj	7663 Nov 27 00:14	8° <b>∡</b> ³36′03	-7°35'26
superior conj	7661 Jul 08 22:34	22°5548'10	-0°24'00	minimum elong	7663 Nov 27 08:52	8° <b>∡</b> °22'31	7°34'05
minimum elong	7661 Jul 09 04:06	23° <b>©</b> 05'24	0°23'51	min. Earth dist.	7663 Nov 27 17:48	8° <b>≯</b> 08'31	0.28712 AU
max. Earth dist.	7661 Jul 12 01:28	26° <b>©</b> 40'53	1.72386 AU	morning rise	7663 Dec 01 13:59	5° <b>∡</b> 47'35	
	7661 Jul 14 17:37	$0^{\circ}\Omega$		direct	7663 Dec 18 11:13	0° <b>∡</b> °20'44	
asc. node	7661 Jul 18 23:02	5° <b>Ω</b> 14'35		greatest brilliancy	7663 Dec 29 11:59	2° <b>∡</b> ³35′06	-4.8m
	7661 Aug 07 22:59	0° <b>™</b>		asc. node	7664 Jan 03 19:05	5° <b>∡</b> '01'54	
evening rise	7661 Aug 15 23:38	9° <b>m</b> , 54'40			7664 Feb 04 01:07	0°ಕ	
	7661 Sep 01 07:11	0∘ <b>⊽</b>		morning max el	7664 Feb 06 11:22	2° <b>る</b> 24'21	46°27'55
	7661 Sep 25 18:51	0°M			7664 Mar 03 05:40	0° <b>≈</b>	
	7661 Oct 20 11:21	0° <b>∡</b>			7664 Mar 29 02:41	0° <b>)</b> €	
desc. node	7661 Nov 07 16:23	21° 🖈 55'23			7664 Apr 23 01:22	0°Υ 1° <b>20</b> 1 51 <b>2</b> 5	
	7661 Nov 14 10:26	್ರಂ		desc. node	7664 Apr 24 12:21	1° <b>Y</b> 46′26	
	7661 Dec 09 18:14	0° <b>≈</b>			7664 May 17 13:20	0° <b>B</b>	
	7662 Jan 04 15:27	0° <b>ℋ</b> 0° <b>Ƴ</b>			7664 Jun 10 20:36	0° <b>Ⅱ</b>	
	7662 Jan 31 17:43		46953107		7664 Jul 05 02:46	0° <b>⊙</b>	
evening max el	7662 Feb 11 21:25 7662 Feb 28 16:28	11° <b>Υ</b> 32'44 27° <b>Υ</b> 14'09	46°52'07	mamina aat	7664 Jul 29 09:36	0° <b>Ω</b> 14° <b>Ω</b> 53'43	
asc. node	7662 Mar 04 00:29	0° <b>8</b>		morning set asc. node	7664 Aug 10 11:17	14 <b>δ</b> <i>l</i> 33 43 21° <b>Ω</b> 03'05	
greatest brilliancy	7662 Mar 24 11:33	12° <b>8</b> 31'03	-4.9m	asc. node	7664 Aug 15 11:05 7664 Aug 22 17:16	0° m)	
retrograde	7662 Apr 03 09:09	14° <b>8</b> 22'31	-4.9111		7664 Sep 16 01:19	0∘ <del>ت</del> رابا	
evening set	7662 Apr 21 10:58	8° <b>8</b> 06'08			7004 Sep 10 01.19	0 ==	
inferior conj	7662 Apr 24 00:24	6° <b>8</b> 32'13	9°10'54	superior conj	7664 Sep 16 18:32	0° <b>ჲ</b> 53'03	1°07'44
minimum elong	7662 Apr 23 23:36	6° <b>8</b> 33'26	9°10'50	minimum elong	7664 Sep 16 09:27	0° <b>£</b> 25'03	1°07'27
min. Earth dist.	7662 Apr 23 19:18	6° <b>8</b> 40'03	0.27116 AU	max. Earth dist.	7664 Sep 17 06:56	1° <b>≏</b> 31'16	1.73297 AU
morning rise	7662 Apr 26 12:19	5° <b>8</b> 00'47	0.27110110	man. Bartii dige.	7664 Oct 10 09:35	0°M	1.,02,,110
8	7662 May 06 20:57	30°RƳ		evening rise	7664 Oct 23 01:53	15°M36'33	
direct	7662 May 14 15:40	28° <b>Y</b> 45'22		Ü	7664 Nov 03 18:39	0° <b>∡</b> ¹	
	7662 May 22 16:46	0°8			7664 Nov 28 05:11	ರ°ರ	
greatest brilliancy	7662 May 24 02:29	0° <b>8</b> 27'08	-4.9m	desc. node	7664 Dec 05 04:09	8° <b>ප</b> 31'31	
desc. node	7662 Jun 20 10:11	18° <b>8</b> 24'22			7664 Dec 22 17:26	0° <b>≈</b>	
	7662 Jul 02 19:50	$\Pi^{\circ}0$			7665 Jan 16 07:28	0° <b>)</b>	
morning max el	7662 Jul 03 18:35	0° <b>∏</b> 56′05	46°32'58		7665 Feb 10 00:41	$0^{\circ}$ $\Upsilon$	
	7662 Jul 31 06:30	$0$ $\circ$ $\odot$			7665 Mar 07 02:11	$0^{\circ}B$	
	7662 Aug 26 17:46	$0^{\circ}\Omega$		asc. node	7665 Mar 28 03:51	24° <b>8</b> 29'37	
	7662 Sep 21 09:30	0° <b>m</b>			7665 Apr 02 00:41	$\Pi$ $\circ 0$	
asc. node	7662 Oct 11 09:17	23° Mp 47'46		evening max el	7665 Apr 25 14:31	25° <b>Ⅱ</b> 17'16	46°54'38
	7662 Oct 16 13:18	0∘ <b>⊽</b>			7665 Apr 30 08:37	$0$ $\circ$ $\mathfrak{s}$	
	7662 Nov 10 07:56	$0^{\circ}$ M.		greatest brilliancy	7665 Jun 04 11:43	25° <b>©</b> 57'33	-4.9m
	7662 Dec 04 19:27	0° <b>∡</b>		retrograde	7665 Jun 15 00:16	28° <b>©</b> 01'44	
	7662 Dec 29 01:59	0°ಕ		evening set	7665 Jun 30 07:56	23° <b>5</b> 26'14	
morning set	7662 Dec 29 14:00	0° <b>る</b> 37'16		inferior conj	7665 Jul 06 01:23	20° <b>©</b> 00'03	2°55'39
	7663 Jan 22 05:06	0° <b>≈</b>		minimum elong	7665 Jul 06 07:46	19° <b>©</b> 50'08	2°53'38
desc. node	7663 Jan 31 02:04	11°≈04'05		min. Earth dist.	7665 Jul 05 20:09	20°508'11	0.27690 AU
max. Earth dist.	7663 Feb 03 12:37	15° <b>≈</b> 21'41	1.71822 AU	morning rise	7665 Jul 12 08:06	16°5516'44	
	#440 F 1 04 11 05	100 0117	001.512.5	desc. node	7665 Jul 17 21:59	13°9544'27	
superior conj	7663 Feb 06 11:02	19°≈01'36		direct	7665 Jul 27 00:27	12°905'32	4.0
minimum elong	7663 Feb 06 07:15	18°≈49'46	0~15.10	greatest brilliancy	7665 Aug 05 20:01	13°951'00	-4.8m
behind sun begin	7663 Feb 05 22:22	18° <b>≈</b> 22'01			7665 Aug 31 09:46	$0$ ° $\Omega$	

morning max el	7665 Sep 13 22:43	12° <b>Ω</b> 13'10	45°49'45		7668 May 07 15:10	0	
	7665 Oct 01 13:43	0° <b>m</b> p			7668 Jun 02 06:21	$0 {\circ} \Omega$	
	7665 Oct 28 22:14	0。 <b>ত</b>			7668 Jun 29 18:00	0° <b>m</b> p	
asc. node	7665 Nov 07 21:27	11° <b>≏</b> 24'01		evening max el	7668 Jul 05 19:43	6° Mp 07′13	46°09'25
	7665 Nov 23 19:44	0° <b>M</b> ₊			7668 Aug 03 06:09	0∘ <b>ত</b>	
	7665 Dec 18 21:42	0° <b>∡</b> 7		greatest brilliancy	7668 Aug 13 07:50	5° <b>£</b> 11'11	-4.8m
	7666 Jan 12 11:38	0° <b>ප</b>		desc. node	7668 Aug 14 09:38	5° <b>≙</b> 34'57	
	7666 Feb 05 18:04	0° <b>≈</b>		retrograde	7668 Aug 24 09:52	7° <b>£</b> 25'31	
desc. node	7666 Feb 27 14:05	27° <b>≈</b> 12'45		evening set	7668 Sep 09 16:03	2° <b>£</b> 19'07	
	7666 Mar 01 19:36	0° <b>ℋ</b>			7668 Sep 13 12:14	30°₽,₩	
morning set	7666 Mar 13 03:31	14° <b>)</b> 11'17		inferior conj	7668 Sep 14 21:37	29° <b>m</b> 07'48	-6°39'26
	7666 Mar 25 17:53	$0^{\circ}\mathbf{\Upsilon}$		minimum elong	7668 Sep 14 11:47	29° <b>m</b> 23'12	6°37'35
	7666 Apr 18 14:30	$6^\circB$		min. Earth dist.	7668 Sep 14 07:29	29° <b>m</b> 29'55	0.28937 AU
				morning rise	7668 Sep 19 07:49	26° m 25'11	
superior conj	7666 Apr 23 02:19	5° <b>8</b> 39'02	-1°27'31	direct	7668 Oct 06 08:40	20° m 55'02	
minimum elong	7666 Apr 23 00:58	5° <b>8</b> 34'47		greatest brilliancy	7668 Oct 16 07:51	22° m/42'52	-4.7m
max. Earth dist.	7666 Apr 23 23:30	6° <b>8</b> 45'38	1.71226 AU	e ,	7668 Oct 30 07:11	0∘ <u>⊽</u>	
	7666 May 12 11:23	0°II		morning max el	7668 Nov 24 06:11	20° <b>£</b> 57'07	45°46'28
evening rise	7666 Jun 02 14:41	26° <b>Ⅱ</b> 28'19			7668 Dec 03 08:16	0°M	
e vennig rise	7666 Jun 05 10:30	0°9		asc. node	7668 Dec 05 09:23	2°M06'29	
asc. node	7666 Jun 20 13:09	18° <b>©</b> 49'16		use. noue	7668 Dec 30 22:57	0° <b>%</b>	
use. Hour	7666 Jun 29 13:28	0°Ω			7669 Jan 25 16:46	0° <b>ਰ</b>	
	7666 Jul 23 21:34	0° mp			7669 Feb 19 13:42	0° <b>≈</b>	
	7666 Aug 17 12:29	0∘ <b>ರ</b> ೧.ಗು			7669 Mar 15 23:26	0° <b>)</b> €	
	7666 Sep 11 13:21	0° <b>M</b>		desc. node	7669 Mar 27 02:09	13° <b>)</b> (46'46	
	7666 Oct 07 05:51	0° <b>⊼</b> ¹		desc. Hode	7669 Apr 09 02:45	0° <b>Υ</b>	
desc. node	7666 Oct 10 06:39	3° <b>∡</b> 128'27			7669 May 03 02:37	0°8	
desc. node	7666 Nov 03 01:25	ップ・2027 0°る				0°U	
avanina may al	7666 Nov 28 16:46	0 පි 26°පි27'06	46902107	marning got	7669 May 27 01:33	0 П 1°П35'18	
evening max el			40 03 07	morning set	7669 May 28 08:00	0.62	
	7666 Dec 02 10:17	0°≈ 25°≈ •2€!01	4.0		7669 Jun 20 01:37	0.50	
greatest brilliancy	7667 Jan 07 08:47	25°≈26'01	-4.8m		7660 1 1 06 12 52	200620142	0027127
retrograde	7667 Jan 17 00:16	27°≈09'43		superior conj	7669 Jul 06 12:53	20°530'43	
evening set	7667 Jan 31 10:58	23°≈04'35		minimum elong	7669 Jul 06 19:11	20°950'19	
asc. node	7667 Jan 31 06:53	23°≈09'57	1020122	max. Earth dist.	7669 Jul 09 19:05		1.72337 AU
inferior conj	7667 Feb 06 18:39	19°≈22'55	1°39'33		7669 Jul 14 04:07	0°N	
minimum elong	7667 Feb 06 14:51	19°≈28'45	1°38'25	asc. node	7669 Jul 18 01:03	4° <b>Ω</b> 48'19	
min. Earth dist.	7667 Feb 07 01:32	19°≈12'22	0.27150 AU		7669 Aug 07 09:27	0° <b>т</b> р	
morning rise	7667 Feb 12 18:09	15° <b>≈</b> 50'41		evening rise	7669 Aug 13 16:35	7° m 46'32	
direct	7667 Feb 27 13:05	11° <b>≈</b> 29'38			7669 Aug 31 17:44	0∘ <b>⊽</b>	
greatest brilliancy	7667 Mar 10 01:32	13° <b>≈</b> 34'20	-4.9m		7669 Sep 25 05:36	0°M	
	7667 Apr 03 20:05	0° <b>)</b> €			7669 Oct 19 22:31	0°⊀	
morning max el	7667 Apr 19 02:31	14° <b>)</b> €26′26	46°59'30	desc. node	7669 Nov 06 18:23	21° <b>∡</b> ¹26'27	
	7667 May 03 21:39	0° <b>Υ</b>			7669 Nov 13 22:18	0°る	
desc. node	7667 May 23 00:28	21° <b>Y</b> 24'39			7669 Dec 09 07:14	0° <b>≈</b>	
	7667 May 30 10:56	0°8			7670 Jan 04 06:27	0° <b>∀</b>	
	7667 Jun 24 21:01	$\Pi^{\circ}0$			7670 Jan 31 13:13	0° <b>Υ</b>	
	7667 Jul 19 20:09	0ංම		evening max el	7670 Feb 09 11:51	9° <b>Ƴ</b> 11'46	46°50'51
	7667 Aug 13 14:36	$0^{\circ}\Omega$		asc. node	7670 Feb 27 18:22	26° <b>Y</b> 06′15	
	7667 Sep 07 06:19	0° <b>т</b> р			7670 Mar 04 15:49	0°8	
asc. node	7667 Sep 12 23:08	6° <b>™</b> 57'16		greatest brilliancy	7670 Mar 22 00:28	10° <b>8</b> 05'17	-4.9m
	7667 Oct 01 19:16	0∘ <b>ত</b>		retrograde	7670 Mar 31 22:13	11° <b>8</b> 56'22	
morning set	7667 Oct 19 06:18	21° <b>≏</b> 26'09		evening set	7670 Apr 18 22:06	5° <b>8</b> 43'06	
	7667 Oct 26 05:18	0°M₊		inferior conj	7670 Apr 21 13:10	4° <b>8</b> 06'34	
	7667 Nov 19 12:55	0°⊀		minimum elong	7670 Apr 21 11:23	4° <b>8</b> 09'19	
max. Earth dist.	7667 Nov 23 03:42	4° <b>₰</b> ¹28'09	1.73022 AU	min. Earth dist.	7670 Apr 21 07:34	4° <b>8</b> 15'13	0.27099 AU
				morning rise	7670 Apr 24 00:45	2° <b>8</b> 35'31	
superior conj	7667 Nov 24 19:24	6° <b>х</b> 30′52			7670 Apr 28 15:13	30° <b>₹Ƴ</b>	
minimum elong	7667 Nov 25 03:17	6° <b>≯</b> 55'14	1°16'14	direct	7670 May 12 04:42	26° <b>Y</b> 20'08	
	7667 Dec 13 18:59	0°ප		greatest brilliancy	7670 May 21 14:39	28° <b>Y</b> 01'05	-4.9m
evening rise	7668 Jan 01 15:15	23° <b>る</b> 20'53			7670 May 26 09:14	$9^{\circ}$ 8	
desc. node	7668 Jan 02 16:06	24° <b>る</b> 37'54		desc. node	7670 Jun 19 12:16	17° <b>8</b> 22'34	
	7668 Jan 07 00:01	0° <b>≈</b>		morning max el	7670 Jul 01 07:49	28° <b>8</b> 33'37	46°34'35
	7668 Jan 31 04:03	0° <b>∀</b>			7670 Jul 02 18:31	$\Pi^{\circ}0$	
	7668 Feb 24 07:23	$0^{\circ}\Upsilon$			7670 Jul 30 22:27	0°©	
	7668 Mar 19 11:37	$9^{\circ}$ 8			7670 Aug 26 07:09	$0^{\circ}\Omega$	
	7668 Apr 12 20:16	$\Pi^{\circ}0$			7670 Sep 20 21:33	0° <b>m</b>	
asc. node	7668 Apr 24 15:31	14° <b>Ⅲ</b> 22'21		asc. node	7670 Oct 10 11:19	23° <b>m</b> 19'42	

	7670 Oct 16 00:35	0∘ <b>⊽</b>			7673 Apr 01 17:29	0°П	
	7670 Nov 09 18:48	0°M₊		evening max el	7673 Apr 23 03:34	22° <b>∏</b> 53′03	46°55'39
	7670 Dec 04 06:07	0°⊀			7673 Apr 30 09:29	0	
morning set	7670 Dec 27 05:34	28° <b>₹</b> 23'51		greatest brilliancy	7673 Jun 02 03:45	23° <b>©</b> 39'32	-4.9m
	7670 Dec 28 12:36	0°₹		retrograde	7673 Jun 12 14:39	25° <b>©</b> 42'44	
	7671 Jan 21 15:45	0° <b>≈</b>		evening set	7673 Jun 28 00:31	21° <b>5</b> 04'09	
desc. node	7671 Jan 30 04:01	10° <b>≈</b> 36'54		inferior conj	7673 Jul 03 15:40	17° <b>5</b> 541'36	3°17'01
max. Earth dist.	7671 Jan 31 21:50	12° <b>≈</b> 47′23	1.71866 AU	minimum elong	7673 Jul 03 22:44	17° <b>©</b> 30'37	3°14'48
				min. Earth dist.	7673 Jul 03 11:24	17° <b>5</b> 548'12	0.27658 AU
superior conj	7671 Feb 03 23:47	16° <b>≈</b> 38'13	-0°11'42	morning rise	7673 Jul 09 21:22	13° <b>©</b> 59'41	
minimum elong	7671 Feb 03 20:55	16° <b>≈</b> 29'16	0°11'28	desc. node	7673 Jul 16 23:54	10° <b>©</b> 56'09	
behind sun begin	7671 Feb 03 03:04	15° <b>≈</b> 33'32		direct	7673 Jul 24 13:38	9° <b>©</b> 47'14	
behind sun end	7671 Feb 04 14:46	17° <b>≈</b> 25′00		greatest brilliancy	7673 Aug 03 10:35	11° <b>©</b> 33'44	-4.8m
	7671 Feb 14 16:20	0° <b>)</b> €			7673 Aug 31 15:55	$\mathfrak{O}^{\circ}\mathfrak{O}$	
	7671 Mar 10 14:55	$0$ $\circ$ $\Upsilon$		morning max el	7673 Sep 11 13:24	9° <b>Ω</b> 58'23	45°50'54
evening rise	7671 Mar 15 23:30	6° <b>Ƴ</b> 43'22			7673 Oct 01 07:11	O° <b>m</b> y	
	7671 Apr 03 12:40	$9^{\circ}$ 8			7673 Oct 28 12:10	0∘ <b>⊽</b>	
	7671 Apr 27 11:44	$\Pi^{\circ}0$		asc. node	7673 Nov 06 23:29	10° <b>≙</b> 51'39	
	7671 May 21 14:54	0°ಅ			7673 Nov 23 08:08	0° <b>M</b> ₊	
asc. node	7671 May 23 03:19	1° <b>©</b> 52'33			7673 Dec 18 09:19	0° <b>∡</b> ¹	
	7671 Jun 15 01:18	$0^{\circ}\Omega$			7674 Jan 11 22:52	o°S	
	7671 Jul 09 23:02	0° m			7674 Feb 05 05:06	0° <b>≈</b>	
	7671 Aug 04 15:45	0∘ <b>⊽</b>		desc. node	7674 Feb 26 15:59	26° <b>≈</b> 44'28	
	7671 Aug 31 22:25	0° <b>M</b>			7674 Mar 01 06:33	0° <b>∀</b>	
desc. node	7671 Sep 11 21:09	11° <b>M</b> .08'51		morning set	7674 Mar 10 14:19	11° <b>)</b> 40′21	
evening max el	7671 Sep 15 14:34	14°M46'29	45°39'37	C	7674 Mar 25 04:49	$0^{\circ}$ Y	
Č	7671 Oct 02 20:56	0° <b>√</b>			7674 Apr 18 01:27	0° <b>႘</b>	
greatest brilliancy	7671 Oct 24 15:37	12° <b>₹</b> 52'45	-4.7m		r		
retrograde	7671 Nov 03 06:53	14° <b>∡</b> ³33'23		superior conj	7674 Apr 20 13:10	3° <b>8</b> 07'47	-1°27'13
evening set	7671 Nov 20 21:41	8° <b>∡</b> ¹44'50		minimum elong	7674 Apr 20 10:42	3° <b>8</b> 00'04	
inferior conj	7671 Nov 24 16:09	6° <b>≯</b> 25'20	-7°44'39	max. Earth dist.	7674 Apr 21 04:20	3° <b>8</b> 55'31	1.71219 AU
minimum elong	7671 Nov 25 00:19	6° <b>х</b> 12′31	7°43'27		7674 May 11 22:20	0°П	
min. Earth dist.	7671 Nov 25 09:20	5° <b>∡</b> 758′21	0.28761 AU	evening rise	7674 May 31 02:12	24° <b>Ⅱ</b> 00'09	
morning rise	7671 Nov 29 02:41	3° <b>∡</b> 741'19		<i>3</i> -	7674 Jun 04 21:28	0° <b>©</b>	
morning rise	7671 Dec 06 12:38	30°RM		asc. node	7674 Jun 19 15:05	18° <b>©</b> 21'04	
direct	7671 Dec 16 02:58	28°M09'24			7674 Jun 29 00:30	$0^{\circ}\Omega$	
	7671 Dec 26 02:52	0° <b>∡</b> ¹			7674 Jul 23 08:48	0° my	
greatest brilliancy	7671 Dec 27 04:09	0° <b>х</b> 23′25	-4.8m		7674 Aug 17 00:07	0∘ <b>⊽</b>	
asc. node	7672 Jan 02 21:06	3° <b>∡</b> 36'10			7674 Sep 11 01:41	0°M	
use. Hour	7672 Feb 03 23:15	0°る			7674 Oct 06 19:33	0° <b>⊼</b> 7	
morning max el	7672 Feb 04 01:40	0°る06'02	46°26'12	desc. node	7674 Oct 09 08:42	2° <b>х</b> 54'37	
8	7672 Mar 02 21:29	0° <b>≈</b>			7674 Nov 02 18:01	0°る	
	7672 Mar 28 16:16	0° <b>)</b> €		evening max el	7674 Nov 26 07:30	24° <b>る</b> 11'29	46°01'47
	7672 Apr 22 13:49	0° <b>Υ</b>		ovening man er	7674 Dec 02 11:43	0°≈	10 01 17
desc. node	7672 Apr 23 14:26	1° <b>Υ</b> 14'59		greatest brilliancy	7675 Jan 04 21:44	23° <b>≈</b> 04'26	-4.8m
***************************************	7672 May 17 01:07	0°8		retrograde	7675 Jan 14 14:02	24° <b>≈</b> 48'31	.,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,
	7672 Jun 10 07:56	0°II		evening set	7675 Jan 29 00:31	20°≈42'52	
	7672 Jul 04 13:48	0°9		asc. node	7675 Jan 30 08:44	19° <b>≈</b> 58'50	
	7672 Jul 28 20:25	$0^{\circ}\Omega$		inferior conj	7675 Feb 04 08:11	17° <b>≈</b> 01'03	1°16'22
morning set	7672 Aug 08 03:25	12° <b>Ω</b> 42'23		minimum elong	7675 Feb 04 05:15	17° <b>≈</b> 05'33	1°15'30
asc. node	7672 Aug 14 12:57	20° <b>£</b> 35′56		min. Earth dist.	7675 Feb 04 15:46	16° <b>≈</b> 49'26	0.27187 AU
	7672 Aug 22 03:55	0° <b>m</b> )		morning rise	7675 Feb 10 09:28	13° <b>≈</b> 26'38	0.2, 10, 110
	7772338 == 30300	* '4		direct	7675 Feb 25 03:37	9° <b>≈</b> 07'06	
superior conj	7672 Sep 14 12:09	28° Mp 46'59	1°05'41	greatest brilliancy	7675 Mar 07 16:23	11° <b>≈</b> 12'39	-4.9m
minimum elong	7672 Sep 14 02:54	28° m 18'29	1°05'23	greatest stimule)	7675 Apr 04 02:30	0° <b>∀</b>	,
max. Earth dist.	7672 Sep 11 02:31	-	1.73281 AU	morning max el	7675 Apr 16 17:52	12° <b>₩</b> 07'16	46°59'07
	7672 Sep 15 11:51	0∘ <b>ಹ</b>			7675 May 03 15:52	0°Υ	
	7672 Oct 09 20:08	0° <b>™</b>		desc. node	7675 May 22 02:30	20° <b>Υ</b> 45'53	
evening rise	7672 Oct 09 20:08 7672 Oct 20 19:37	13°M230'50		acce. noue	7675 May 30 01:44	0° <b>8</b>	
	7672 Nov 03 05:19	0° <b>⊼</b>			7675 Jun 24 10:13	0°II	
	7672 Nov 27 16:07	°ਤ ਹ°ਤ			7675 Jul 19 08:23	0ಂ <b>ತಾ</b>	
desc. node	7672 Dec 04 06:13	8°중04'08			7675 Aug 13 02:12	$0 {\circ} \Omega$	
acce. node	7672 Dec 04 00:15	0°≈			7675 Sep 06 17:30	0° mp	
	7673 Jan 15 19:20	0° <b>∺</b>		asc. node	7675 Sep 12 01:08	6°Mp29'31	
	7673 Feb 09 13:23	0° <b>Υ</b>		use. Hode	7675 Oct 01 06:11	0° <b>⊡</b>	
	7673 Mar 06 16:16	0°8		morning set	7675 Oct 16 23:37	0 <b>—</b> 19° <b>≏</b> 18'33	
asc. node	7673 Mar 27 05:52	23° <b>8</b> 49'40		morning set	7675 Oct 16 25:37 7675 Oct 25 16:05	0° <b>™</b>	
450. HOGO	,0,5 1,141 2, 05.52	25 0 47 40			,0,0 000 25 10.05	O IIO	

P. d. P.	7675 Nov 18 23:41	0°⊀ <sup>7</sup>	1 520 15 1 1 1	minimum elong	7678 Apr 18 23:24	1° <b>8</b> 45'02	
max. Earth dist.	7675 Nov 20 23:25	2°×127/30	1.73047 AU	min. Earth dist.	7678 Apr 18 20:21	1° <b>8</b> 49'44	0.27081 AU
	T(T5)1 00 10 00	10 301100	1015146	morning rise	7678 Apr 21 14:02	0° <b>8</b> 09'06	
superior conj	7675 Nov 22 12:20	4° <b>₹</b> 21'33	1°17'46		7678 Apr 21 20:05	30°RƳ	
minimum elong	7675 Nov 22 19:45	4° <b>₹</b> '44'26	1°17'43	direct	7678 May 09 17:23	23°Y54'41	4.0
	7675 Dec 13 05:48	0°る		greatest brilliancy	7678 May 19 03:34	25° <b>Y</b> 35'27	-4.9m
evening rise	7675 Dec 30 06:21	21°る05'05		1 1	7678 May 28 10:14	0°8	
desc. node	7676 Jan 01 18:00	24° <b>る</b> 09'54		desc. node	7678 Jun 18 14:11	16° <b>8</b> 21'17	46926101
	7676 Jan 06 10:58	0° <b>≈</b> 0° <b>∀</b>		morning max el	7678 Jun 28 20:14	26° <b>႘</b> 08'09 0° <b>Ⅱ</b>	46°36'01
	7676 Jan 30 15:13 7676 Feb 23 18:49	0° <b>Υ</b>			7678 Jul 02 16:36 7678 Jul 30 14:30	0₀© 0.П	
	7676 Mar 18 23:26	0°8				0°Ω	
	7676 Apr 12 08:39	0°II			7678 Aug 25 20:50 7678 Sep 20 10:00	0° <b>m</b> y	
asc. node	7676 Apr 23 17:33	0 <b>Ⅱ</b> 13° <b>Ⅱ</b> 49'49		asc. node	7678 Oct 09 13:21	22° Mp 50'16	
asc. Houe	7676 May 07 04:31	0°©		asc. node	7678 Oct 15 12:18	ე∘ <u>ი</u>	
	7676 Jun 01 21:40	0°Ω			7678 Nov 09 06:04	0° <b>m</b>	
	7676 Jun 29 14:21	0° <b>m</b> )			7678 Dec 03 17:09	0° <b>⊼</b> ¹	
evening max el	7676 Jul 03 12:27	3° <b>m</b> ) 55'40	46°11'04	morning set	7678 Dec 24 21:02	26° <b>₹</b> 109'03	
evening max er	7676 Aug 04 15:14	0∘ <b>⊽</b>	40 11 04	morning set	7678 Dec 27 23:33	20 × 07 03	
greatest brilliancy	7676 Aug 10 23:21	o <b>—</b> 2° <b>⊆</b> 59'07	-4 8m		7679 Jan 21 02:43	0° <b>≈</b>	
desc. node	7676 Aug 13 11:36	3° <b>£</b> 51′23	4.0111	desc. node	7679 Jan 29 05:55	10°≈08'35	
retrograde	7676 Aug 22 02:24	5° <b>⊆</b> 14'03		max. Earth dist.	7679 Jan 29 08:49	10°≈17'40	1.71911 AU
evening set	7676 Sep 07 05:16	0° <b>£</b> 12'10		max. Lartii dist.	7077 Jan 27 00.47	10 ~17 40	1./1711 AO
evening set	7676 Sep 07 03:10	30°RM)		superior conj	7679 Feb 01 12:38	14° <b>≈</b> 14'11	-0°07'58
min. Earth dist.	7676 Sep 11 22:38		0.28898 AU	minimum elong	7679 Feb 01 10:41	14°≈08'07	
inferior conj	7676 Sep 12 13:35	26° My 56'38		behind sun begin	7679 Jan 31 12:35	12°≈59'09	0 07 17
minimum elong	7676 Sep 12 03:40	27° m/ 12'10		behind sun end	7679 Feb 02 08:47	15°≈17'06	
morning rise	7676 Sep 17 02:27	24° m/ 10'13	0 2130	ooming sun ong	7679 Feb 14 03:22	0° <b>∀</b>	
direct	7676 Oct 04 00:56	18° <b>m</b> ) 44'42			7679 Mar 10 02:01	0° <b>Υ</b>	
greatest brilliancy	7676 Oct 13 22:06	20° m/31'01	-4.7m	evening rise	7679 Mar 13 11:05	4° <b>Υ</b> 14'13	
greatest offiniane)	7676 Oct 31 01:43	0° <b>⊽</b>		evening rise	7679 Apr 02 23:51	0°8	
morning max el	7676 Nov 21 21:45	18° <b>≏</b> 45'23	45°45'39		7679 Apr 26 23:04	0°II	
5 5	7676 Dec 03 03:16	0° <b>M</b> .			7679 May 21 02:28	0ಂತಾ	
asc. node	7676 Dec 04 11:22	1°ML23'21		asc. node	7679 May 22 05:15	1° <b>5</b> 22'43	
	7676 Dec 30 13:37	0° <b>∡</b> ¹			7679 Jun 14 13:17	$0^{\circ}\Omega$	
	7677 Jan 25 05:43	5°0			7679 Jul 09 11:47	0° m/	
	7677 Feb 19 01:49	0° <b>≈</b>			7679 Aug 04 06:06	0∘ <b>⊽</b>	
	7677 Mar 15 11:05	0° <b>₩</b>			7679 Aug 31 16:41	0°M	
desc. node	7677 Mar 26 04:14	13° <b>∺</b> 17'34		desc. node	7679 Sep 10 23:13	10°M21'35	
	7677 Apr 08 14:07	$0^{\circ}\mathbf{\Upsilon}$		evening max el	7679 Sep 13 04:34	12°M30'51	45°39'43
	7677 May 02 13:48	$9^{\circ}$ 8		-	7679 Oct 03 09:03	0°⊀	
morning set	7677 May 25 20:35	29° <b>8</b> 09'56		greatest brilliancy	7679 Oct 22 06:19	10° <b>х</b> 40′30	-4.7m
	7677 May 26 12:35	$\Pi^{\circ}0$		retrograde	7679 Oct 31 21:52	12° <b>∡</b> ¹21'53	
	7677 Jun 19 12:35	0ංම		evening set	7679 Nov 18 15:34	6° <b>≯</b> 29'12	
				inferior conj	7679 Nov 22 07:54	4° <b>≯</b> 13'03	-7°53'09
superior conj	7677 Jul 04 02:56	18° <b>©</b> 11'04	-0°30'53	minimum elong	7679 Nov 22 15:35	4° <b>₰</b> 01'01	7°52'06
minimum elong	7677 Jul 04 09:57	18°932'53	0°30'40	min. Earth dist.	7679 Nov 23 00:41	3° <b>х</b> 46′44	0.28809 AU
max. Earth dist.	7677 Jul 07 12:20	22° <b>5</b> 24'13	1.72293 AU	morning rise	7679 Nov 26 15:18	1° <b>х</b> 33′39	
	7677 Jul 13 15:04	$0$ $^{\circ}$ $\Omega$			7679 Nov 29 09:28	30°RM	
asc. node	7677 Jul 17 02:56	4° <b>Ω</b> 20′15		direct	7679 Dec 13 18:29	25°M56'26	
	7677 Aug 06 20:24	0° <b>m</b>		greatest brilliancy	7679 Dec 24 20:29	28°M10'49	-4.8m
evening rise	7677 Aug 11 08:58	5° <b>m</b> 35'14			7679 Dec 28 22:51	0° <b>∡</b>	
	7677 Aug 31 04:45	0∘ <b>⊽</b>		asc. node	7680 Jan 01 22:59	2° <b>≯</b> 11'50	
	7677 Sep 24 16:50	0° <b>M</b>		morning max el	7680 Feb 01 16:18	27° <b>҂</b> ¹47'44	46°24'37
	7677 Oct 19 10:09	0° <b>∡</b> 7			7680 Feb 03 20:54	0°ಕ	
desc. node	7677 Nov 05 20:25	20° <b>∡</b> 56'17			7680 Mar 02 13:19	0° <b>≈</b>	
	7677 Nov 13 10:39	0°₹			7680 Mar 28 05:57	0° <b>∀</b>	
	7677 Dec 08 20:45	0° <b>≈</b>			7680 Apr 22 02:25	0° <b>Υ</b>	
	7678 Jan 03 22:06	0° <b>∀</b>		desc. node	7680 Apr 22 16:21	0° <b>Y</b> 42'29	
	7678 Jan 31 09:44	0° <b>Υ</b>			7680 May 16 13:04	0° <b>8</b>	
evening max el	7678 Feb 07 01:46	6° <b>Y</b> 48'32	46°49'35		7680 Jun 09 19:27	0° <b>Ⅱ</b>	
asc. node	7678 Feb 26 20:27	24° <b>Y</b> 56'05			7680 Jul 04 01:00	0°©	
	7678 Mar 05 12:53	0.8			7680 Jul 28 07:21	0°Ω	
greatest brilliancy	7678 Mar 19 14:02	7° <b>8</b> 39'42	-4.9m	morning set	7680 Aug 05 19:38	10° <b>Ω</b> 30'45	
retrograde	7678 Mar 29 10:53	9° <b>8</b> 29'54		asc. node	7680 Aug 13 14:59	20° <b>Ω</b> 08'49	
evening set	7678 Apr 16 08:50	3° <b>8</b> 20'49	0007121		7680 Aug 21 14:41	0° <b>m</b>	
inferior conj	7678 Apr 19 02:09	1° <b>8</b> 40'47	9~0/31				

superior conj	7680 Sep 12 05:42	26° m 40'04	1°03'32	greatest brilliancy	7683 Mar 05 06:50	8° <b>≈</b> 49'56	4.0m
minimum elong	7680 Sep 12 03:42 7680 Sep 11 20:20	26° Mp 11'13	1°03'13	greatest billiancy	7683 Apr 04 06:58	0° <b>)</b>	-4.9111
max. Earth dist.	7680 Sep 12 18:49	20 m/11 13 27° m/20'30	1.73272 AU	morning max el	7683 Apr 14 08:24	9° <b>)</b> 46′04	16°58'16
max. Earth dist.	7680 Sep 14 22:35	ე∘ <b>ი</b>	1.73272 AU	morning max ci	7683 May 03 09:37	0°Υ	40 38 40
	7680 Oct 09 06:55	0°M		desc. node	7683 May 21 04:26	20° <b>Υ</b> '07'35	
evening rise	7680 Oct 18 13:13	11°ML24'02		dese. Hode	7683 May 29 16:14	0°8	
evening rise	7680 Nov 02 16:16	0°×7			7683 Jun 23 23:09	0°II	
	7680 Nov 27 03:19	ੁੰ≎			7683 Jul 18 20:24	0₀ <b>হ</b> ∘ π	
desc. node	7680 Dec 03 08:04	<sup>°</sup> ਰ35'14			7683 Aug 12 13:38	$0^{\circ}\Omega$	
dese. Hode	7680 Dec 21 16:19	0°≈			7683 Sep 06 04:31	0° mp	
	7681 Jan 15 07:27	0° <b>₩</b>		asc. node	7683 Sep 11 03:11	6°Mp02'21	
	7681 Feb 09 02:21	0° <b>Υ</b>		use. Houe	7683 Sep 30 16:56	0° <b>ʊ</b>	
	7681 Mar 06 06:39	0° <b>8</b>		morning set	7683 Oct 14 17:10	0 <b>—</b> 17° <b>Ω</b> 12'18	
asc. node	7681 Mar 26 07:54	23° <b>8</b> 08'58		morning sec	7683 Oct 25 02:41	0°M	
use. Houe	7681 Apr 01 10:47	0°II			7683 Nov 18 10:15	0° <b>⊼</b> ¹	
evening max el	7681 Apr 20 17:14	20° <b>I</b> I30'03	46°56'42	max. Earth dist.	7683 Nov 18 18:16	0° <b>х</b> 24'44	1.73073 AU
evening max er	7681 Apr 30 11:53	0°9	40 30 42	max. Earth dist.	7005 1107 10 10.10	0 7 24 44	1.75075710
greatest brilliancy	7681 May 30 19:12	21°S20'23	-4.9m	superior conj	7683 Nov 20 05:31	2° <b>×</b> 13'37	1°19'07
retrograde	7681 Jun 10 05:29	23° <b>©</b> 23'21	4.7111	minimum elong	7683 Nov 20 12:24	2°×1337	1°19'05
evening set	7681 Jun 25 17:12	18° <b>©</b> 41'19		minimum ciong	7683 Dec 12 16:28	0°る	1 1703
inferior conj	7681 Jul 01 05:54	15°922'37	3°38'04	evening rise	7683 Dec 27 21:28	0 <b>3</b> 18° <b>る</b> 49'45	
minimum elong	7681 Jul 01 13:38	15° <b>©</b> 10'39	3°35'42	desc. node	7683 Dec 27 21:20 7683 Dec 31 20:01	23°る42'38	
min. Earth dist.	7681 Jul 01 02:19	15° <b>©</b> 28'09	0.27626 AU	dese. Hode	7684 Jan 05 21:49	0°≈	
morning rise	7681 Jul 07 10:24	11°9542'39	0.27020 AC		7684 Jan 30 02:18	0° <b>∀</b>	
desc. node	7681 Jul 16 01:49	8°912'50			7684 Feb 23 06:12	0°Υ	
direct	7681 Jul 22 03:10	7° <b>5</b> 28'28			7684 Mar 18 11:10	0°B	
greatest brilliancy	7681 Aug 01 00:42	9° <b>©</b> 15'49	-4.8m		7684 Apr 11 20:56	0°II	
greatest offinality	7681 Aug 31 20:04	0°Ω	4.0111	asc. node	7684 Apr 22 19:28	13° <b>Ⅱ</b> 17'14	
morning max el	7681 Sep 09 04:45	7° <b>Ω</b> 45'13	45°52'02	use. Houe	7684 May 06 17:48	0°95	
morning max or	7681 Oct 01 00:16	0° mp	13 32 02		7684 Jun 01 12:57	$0 {\circ} \Omega$	
	7681 Oct 28 02:01	0∘ <b>ʊ</b> ೧ װ⁄			7684 Jun 29 11:05	0° mp	
asc. node	7681 Nov 06 01:24	ა <b>—</b> 10° <b>ჲ</b> 18'57		evening max el	7684 Jul 01 04:39	1° <b>m</b> )43'24	46°12'43
ase. Hode	7681 Nov 22 20:34	0°ML		evening max er	7684 Aug 06 16:27	1 ng 43 24 0° <b>Ω</b>	40 12 43
	7681 Dec 17 21:03	0° <b>⊼</b> ¹		greatest brilliancy	7684 Aug 08 15:38	∘ <b>–</b> 0° <b>ჲ</b> 48'44	-4.8m
	7682 Jan 11 10:12	°ੇਤ ਹ`ਤ		desc. node	7684 Aug 12 13:43	2° <b>£</b> 05'09	-4.0111
	7682 Feb 04 16:13	0° <b>≈</b>		retrograde	7684 Aug 19 18:36	3° <b>⊆</b> 03'26	
desc. node	7682 Feb 25 18:04	26°≈16'31		retrograde	7684 Sep 01 04:25	30°R, Mp	
dese. Hode	7682 Feb 28 17:34	0° <b>∺</b>		evening set	7684 Sep 04 18:41	28° Mp 06'07	
morning set	7682 Mar 08 01:06	9° <b>)</b> (09'19		min. Earth dist.	7684 Sep 09 14:13		0.28857 AU
morning set	7682 Mar 24 15:47	0°Υ		inferior conj	7684 Sep 10 05:39	24° Mp 46'33	
	7002 Wai 24 13.47	0 1		minimum elong	7684 Sep 09 19:42	25° Mp 02'10	
superior conj	7682 Apr 17 23:53	0° <b>8</b> 36'05	-1°26'43	morning rise	7684 Sep 14 21:08	21° Mp 56'11	0 10 50
minimum elong	7682 Apr 17 20:20	0° <b>8</b> 24'55		direct	7684 Oct 01 17:00	16° Mp 35'30	
minimum clong	7682 Apr 17 12:24	0°8	1 20 40	greatest brilliancy	7684 Oct 11 12:45	18° mp 20'31	-4.7m
max. Earth dist.	7682 Apr 18 12:21		1.71213 AU	greatest offinancy	7684 Oct 31 15:00	0° <b>ட</b>	7.7111
max. Earth dist.	7682 May 11 09:17	0°II	1.71213710	morning max el	7684 Nov 19 12:27	0 <b>—</b> 16° <b>Ω</b> 32'33	45°44'55
evening rise	7682 May 28 13:42	21° <b>II</b> 31'50		morning max ci	7684 Dec 02 21:22	0° <b>™</b>	45 44 55
evening rise	7682 Jun 04 08:26	0°95		asc. node	7684 Dec 03 13:17	0°M41'38	
asc. node	7682 Jun 18 17:01	17° <b>9</b> 52'50			7684 Dec 30 03:45	0° 📈	
use. Houe	7682 Jun 28 11:32	0° <b>Ω</b>			7685 Jan 24 18:18	°ਨ ਨ	
	7682 Jul 22 20:01	0° <b>m</b>			7685 Feb 18 13:40	0° <b>≈</b>	
	7682 Aug 16 11:42	0∘ <b>ত</b>			7685 Mar 14 22:32	0° <b>∀</b>	
	7682 Sep 10 14:01	0° <b>M</b>		desc. node	7685 Mar 25 06:12	12° <b>)</b> (48'32	
	7682 Oct 06 09:18	0° <b>∡</b> 7		dese. Hode	7685 Apr 08 01:18	0°Υ	
desc. node	7682 Oct 08 10:42	2° <b>₹</b> 120'36			7685 May 02 00:47	0°8	
dese. Hode	7682 Nov 02 10:56	0°る		morning set	7685 May 23 08:41	26° <b>8</b> 43'40	
evening max el	7682 Nov 23 22:37	21° <b>る</b> 56'46	46°00'11	morning sec	7685 May 25 23:24	0°II	
evening max er	7682 Dec 02 14:43	0°≈	40 00 11		7685 Jun 18 23:17	0ಂ <b>ತಾ</b>	
greatest brilliancy	7683 Jan 02 10:40		-4.8m		7005 Jun 10 25.17	<b>5 .</b>	
retrograde	7683 Jan 12 03:28	20 ≈42 20 22°≈26'22	7.0111	superior conj	7685 Jul 01 16:44	15° <b>©</b> 51'33	-0°34'17
evening set	7683 Jan 26 14:07	22 ≈20 22 18°≈20'22		minimum elong	7685 Jul 02 00:25	15 <b>3</b> 51 55	
asc. node	7683 Jan 29 10:50	16 ≈2022 16°≈43'36		max. Earth dist.	7685 Jul 05 05:12	20°9514'18	1.72243 AU
inferior conj	7683 Feb 01 21:30	16 ≈43 36 14°≈38'29	0°52'52	max. Earm uist.	7685 Jul 13 01:41	20 <b>3</b> 14 18 0° <b>Ω</b>	1.14443 AU
minimum elong	7683 Feb 01 21.30 7683 Feb 01 19:28	14 ≈36 29 14°≈41'36	0°52'18	asc. node	7685 Jul 16 04:58	3° <b>Ω</b> 53'38	
min. Earth dist.	7683 Feb 01 19.28 7683 Feb 02 05:50		0.27224 AU	use. Houc	7685 Aug 06 07:02	0° <b>m</b> )	
morning rise	7683 Feb 02 03:30 7683 Feb 08 00:20	14 ≈23 42 11°≈01'57	5.27227 AU	evening rise	7685 Aug 00 07:02 7685 Aug 09 01:16	3°Mp24'33	
direct	7683 Feb  08 00.20 7683 Feb  22 18:08	6°≈44'03		evening 1150	7685 Aug 30 15:27	ე∘ <u>ი</u>	
anoci	7005100 22 10.00	∪ <b>~</b> ++ ∪3			1005 Hug 50 15.21	<b>-</b>	

	7695 Cam 24 02:45	00 <b>m</b>		marring may al	7600 Ion 20 00:00	25° <b>∡</b> '33'40	46922100
	7685 Sep 24 03:45	0°M 0°. <b>₹</b>		morning max el	7688 Jan 30 08:00		46 23 09
	7685 Oct 18 21:29	0° <b>⊼</b>			7688 Feb 03 17:16	ිර ව	
desc. node	7685 Nov 04 22:20	20° <b>∡</b> 26'48			7688 Mar 02 04:25	0° <b>≈</b>	
	7685 Nov 12 22:40	0°る			7688 Mar 27 19:04	0° <b>∀</b>	
	7685 Dec 08 09:58	0° <b>≈</b>		desc. node	7688 Apr 21 18:17	0° <b>Υ</b> 11'26	
	7686 Jan 03 13:33	0° <b>∀</b>			7688 Apr 21 14:33	0° <b>Υ</b>	
	7686 Jan 31 06:34	$0$ ° $\mathbf{\gamma}$			7688 May 16 00:38	$0^{\circ}$ 8	
evening max el	7686 Feb 04 14:24	4° <b>Ƴ</b> 23'05	46°48'00		7688 Jun 09 06:39	$\Pi$ $^{\circ}0$	
asc. node	7686 Feb 25 22:26	23° <b>Ƴ</b> 44'16			7688 Jul 03 11:55	$0$ $\circ$	
	7686 Mar 06 17:29	$9^{\circ}$ 8			7688 Jul 27 18:02	$0 {\circ} \Omega$	
greatest brilliancy	7686 Mar 17 03:27	5° <b>8</b> 14'01	-4.9m	morning set	7688 Aug 03 11:27	8° <b>Ω</b> 18′33	
retrograde	7686 Mar 26 23:00	7° <b>8</b> 03'22		asc. node	7688 Aug 12 17:00	19° <b>Ω</b> 42'24	
evening set	7686 Apr 13 18:38	0° <b>8</b> 59'11			7688 Aug 21 01:12	0° <b>m</b> )	
	7686 Apr 15 09:32	30° <b>ŖƳ</b>					
inferior conj	7686 Apr 16 14:51	29° <b>Ƴ</b> 14'49	9°04'04	superior conj	7688 Sep 09 22:54	24° m 32'56	1°01'17
minimum elong	7686 Apr 16 11:07	29° <b>Y</b> 20'34	9°03'50	minimum elong	7688 Sep 09 13:29	24° Mp 03'56	1°00'56
min. Earth dist.	7686 Apr 16 09:09	29° <b>Ƴ</b> 23'37	0.27069 AU	max. Earth dist.	7688 Sep 10 14:29	25° m/20'58	1.73257 AU
morning rise	7686 Apr 19 03:40	27° <b>Ƴ</b> 41'38			7688 Sep 14 09:01	0∘ <u>⊽</u>	
direct	7686 May 07 05:25	21° <b>Υ</b> 28'40			7688 Oct 08 17:23	0°M	
greatest brilliancy	7686 May 16 16:55	23° <b>Υ</b> 10'10	-4.9m	evening rise	7688 Oct 16 06:49	9° <b>M</b> .18'16	
greatest orimaney	7686 May 29 19:03	0°8	1.7111	evening rise	7688 Nov 02 02:53	0° <b>₹</b>	
desc. node	7686 Jun 17 16:11	15° <b>8</b> 21'59			7688 Nov 26 14:12	0°ਰ	
morning max el	7686 Jun 26 08:23	23° <b>8</b> 42'15	16027110	desc. node	7688 Dec 02 10:06	7° <b>る</b> 07'52	
morning max er	7686 Jul 02 13:41	0° <b>Ⅱ</b>	40 3/40	desc. node	7688 Dec 21 03:36	7 <b>3</b> 0732 0° <b>≈</b>	
		0°e 0 π				0 <b>≈</b> 0° <b>∺</b>	
	7686 Jul 30 06:00				7689 Jan 14 19:18		
	7686 Aug 25 10:03	$\Omega^{\circ}\Omega$			7689 Feb 08 15:02	0° <b>Υ</b>	
	7686 Sep 19 22:00	0° <b>m</b> )			7689 Mar 05 20:47	0°8	
asc. node	7686 Oct 08 15:11	22° Mp 21'36		asc. node	7689 Mar 25 09:50	22° <b>8</b> 28'48	
	7686 Oct 14 23:34	0∘ <b>⊽</b>			7689 Apr 01 03:59	0°Щ	
	7686 Nov 08 16:55	0° <b>M</b> ₊		evening max el	7689 Apr 18 07:48	18° <b>Ⅱ</b> 10'30	46°57'33
	7686 Dec 03 03:48	0° <b>∡</b> ¹			7689 Apr 30 15:22	$0$ $\circ$ $\odot$	
morning set	7686 Dec 22 12:59	23° <b>₹</b> 56'57		greatest brilliancy	7689 May 28 09:56	19° <b>©</b> 01'19	-4.9m
	7686 Dec 27 10:07	0°ಕ		retrograde	7689 Jun 07 20:30	21° <b>©</b> 04'33	
	7687 Jan 20 13:17	0° <b>≈</b>		evening set	7689 Jun 23 09:59	16° <b>©</b> 18'53	
max. Earth dist.	7687 Jan 26 23:09	7° <b>≈</b> 59'37	1.71957 AU	inferior conj	7689 Jun 28 20:03	13° <b>5</b> 04'02	3°58'48
desc. node	7687 Jan 28 08:01	9° <b>≈</b> 42'08		minimum elong	7689 Jun 29 04:23	12° <b>©</b> 51'09	3°56'18
				min. Earth dist.	7689 Jun 28 16:49	13° <b>©</b> 09'02	0.27600 AU
superior conj	7687 Jan 30 01:58	11° <b>≈</b> 53′02	-0°04'16	morning rise	7689 Jul 04 23:11	9° <b>5</b> 26'24	
minimum elong	7687 Jan 30 00:56	11° <b>≈</b> 49'48	0°04'09	desc. node	7689 Jul 15 03:58	5° <b>5</b> 35'20	
behind sun begin	7687 Jan 29 00:44	10° <b>≈</b> 34'17		direct	7689 Jul 19 17:22	5° <b>©</b> 10'09	
behind sun end	7687 Jan 31 01:08	13° <b>≈</b> 05'20		greatest brilliancy	7689 Jul 29 14:21	6°957'44	-4.8m
	7687 Feb 13 14:00	0° <b>∀</b>			7689 Aug 31 22:23	$0^{\circ}\Omega$	
	7687 Mar 09 12:45	$_0$ ° $\boldsymbol{\gamma}$		morning max el	7689 Sep 06 20:33	5° <b>Ω</b> 33'32	45°53'08
evening rise	7687 Mar 10 23:03	1° <b>Ƴ</b> 47'32		. 8	7689 Sep 30 16:50	0° m)	
	7687 Apr 02 10:43	0°8			7689 Oct 27 15:31	0∘ <b>⊽</b>	
	7687 Apr 26 10:07	0°II		asc. node	7689 Nov 05 03:23	9° <b>≏</b> 47'18	
	7687 May 20 13:48	0 . ಕ		use. Houe	7689 Nov 22 08:41	0° <b>m</b>	
asc. node	7687 May 21 07:10	0°953'38			7689 Dec 17 08:27	0° <b>⊼</b>	
asc. node	7687 Jun 14 01:02	0°Ω			7690 Jan 10 21:15	% ਰ∘ਰ	
	7687 Jul 09 00:19	0° <b>m</b> )			7690 Feb 04 03:05	0° <b>≈</b>	
	7687 Aug 03 20:17	0∘ <del>⊽</del>		desc. node	7690 Feb 24 19:59	0 ∞ 25°≈48'48	
	•	0° <b>m</b>		desc. node		23 <b>≈</b> 40 40	
	7687 Aug 31 11:00			. ,	7690 Feb 28 04:20	6° <b>)</b> (40′34	
desc. node	7687 Sep 10 01:10	9° <b>™</b> 34'28		morning set	7690 Mar 05 12:22	0°π40'34 0°Υ	
evening max el		100M 1710C			7600 M 24 02 21		
	7687 Sep 10 18:51	10°M17'06	45°40'07		7690 Mar 24 02:31	Osty	
	7687 Sep 10 18:51 7687 Oct 04 00:30	0° <b>∡</b> 7					100 (10.4
greatest brilliancy	7687 Sep 10 18:51 7687 Oct 04 00:30 7687 Oct 19 20:29	0° <b>₰</b> 8° <b>₰</b> 29'15	45°40'07 -4.7m	superior conj	7690 Apr 15 11:00	28° <b>Y</b> ′06'24	
retrograde	7687 Sep 10 18:51 7687 Oct 04 00:30 7687 Oct 19 20:29 7687 Oct 29 13:30	0° द्र <sup>1</sup> 8° द्र <sup>2</sup> 29'15 10° द्र <sup>1</sup> 12'10		minimum elong	7690 Apr 15 11:00 7690 Apr 15 06:25	28° <b>Y</b> ′06'24 27° <b>Y</b> ′52'00	1°26'05
retrograde evening set	7687 Sep 10 18:51 7687 Oct 04 00:30 7687 Oct 19 20:29 7687 Oct 29 13:30 7687 Nov 16 09:27	0° ⋪ 8° ⋪29'15 10° ⋪12'10 4° ⋪15'23	-4.7m		7690 Apr 15 11:00 7690 Apr 15 06:25 7690 Apr 15 21:53	28°\cappa06'24 27°\cappa52'00 28°\cappa40'37	
retrograde evening set inferior conj	7687 Sep 10 18:51 7687 Oct 04 00:30 7687 Oct 19 20:29 7687 Oct 29 13:30 7687 Nov 16 09:27 7687 Nov 19 23:47	0° ₹ 8° ₹29'15 10° ₹12'10 4° ₹15'23 2° ₹02'21	-4.7m -8°00′51	minimum elong	7690 Apr 15 11:00 7690 Apr 15 06:25 7690 Apr 15 21:53 7690 Apr 16 23:07	28°Y06'24 27°Y52'00 28°Y40'37 0°8	1°26'05
retrograde evening set inferior conj minimum elong	7687 Sep 10 18:51 7687 Oct 04 00:30 7687 Oct 19 20:29 7687 Oct 29 13:30 7687 Nov 16 09:27 7687 Nov 19 23:47 7687 Nov 20 06:56	0° ₹ 8° ₹29'15 10° ₹12'10 4° ₹15'23 2° ₹02'21 1° ₹51'10	-4.7m -8°00'51 7°59'58	minimum elong max. Earth dist.	7690 Apr 15 11:00 7690 Apr 15 06:25 7690 Apr 15 21:53 7690 Apr 16 23:07 7690 May 10 19:58	28°Y06'24 27°Y52'00 28°Y40'37 0°B 0°II	1°26'05
retrograde evening set inferior conj	7687 Sep 10 18:51 7687 Oct 04 00:30 7687 Oct 19 20:29 7687 Oct 29 13:30 7687 Nov 16 09:27 7687 Nov 19 23:47	0° ₹ 8° ₹ 29'15 10° ₹ 12'10 4° ₹ 15'23 2° ₹ 02'21 1° ₹ 51'10 1° ₹ 37'19	-4.7m -8°00′51	minimum elong	7690 Apr 15 11:00 7690 Apr 15 06:25 7690 Apr 15 21:53 7690 Apr 16 23:07 7690 May 10 19:58 7690 May 26 01:28	28°Υ06'24 27°Υ52'00 28°Υ40'37 0°Β 0°Π 19°П05'07	1°26'05
retrograde evening set inferior conj minimum elong	7687 Sep 10 18:51 7687 Oct 04 00:30 7687 Oct 19 20:29 7687 Oct 29 13:30 7687 Nov 16 09:27 7687 Nov 19 23:47 7687 Nov 20 06:56	0° ₹ 8° ₹ 29'15 10° ₹ 12'10 4° ₹ 15'23 2° ₹ 02'21 1° ₹ 51'10 1° ₹ 37'19 30° RML	-4.7m -8°00'51 7°59'58	minimum elong max. Earth dist.	7690 Apr 15 11:00 7690 Apr 15 06:25 7690 Apr 15 21:53 7690 Apr 16 23:07 7690 May 10 19:58	28°Y06'24 27°Y52'00 28°Y40'37 0°B 0°II	1°26'05
retrograde evening set inferior conj minimum elong	7687 Sep 10 18:51 7687 Oct 04 00:30 7687 Oct 19 20:29 7687 Oct 29 13:30 7687 Nov 16 09:27 7687 Nov 19 23:47 7687 Nov 20 06:56 7687 Nov 20 15:46 7687 Nov 23 06:38 7687 Nov 24 04:09	0° ₹ 8° ₹ 29'15 10° ₹ 12'10 4° ₹ 15'23 2° ₹ 02'21 1° ₹ 51'10 1° ₹ 37'19	-4.7m -8°00'51 7°59'58	minimum elong max. Earth dist.	7690 Apr 15 11:00 7690 Apr 15 06:25 7690 Apr 15 21:53 7690 Apr 16 23:07 7690 May 10 19:58 7690 May 26 01:28	28°Y06'24 27°Y52'00 28°Y40'37 0°B 0°II 19°II05'07 0°S 17°S25'45	1°26'05
retrograde evening set inferior conj minimum elong min. Earth dist.	7687 Sep 10 18:51 7687 Oct 04 00:30 7687 Oct 19 20:29 7687 Oct 29 13:30 7687 Nov 16 09:27 7687 Nov 19 23:47 7687 Nov 20 06:56 7687 Nov 20 15:46 7687 Nov 23 06:38	0° ₹ 8° ₹ 29'15 10° ₹ 12'10 4° ₹ 15'23 2° ₹ 02'21 1° ₹ 51'10 1° ₹ 37'19 30° RML	-4.7m -8°00'51 7°59'58	minimum elong max. Earth dist.	7690 Apr 15 11:00 7690 Apr 15 06:25 7690 Apr 15 21:53 7690 Apr 16 23:07 7690 May 10 19:58 7690 May 26 01:28 7690 Jun 03 19:09	28°Y06'24 27°Y52'00 28°Y40'37 0°B 0°II 19°II05'07 0°G 17°G25'45 0°A	1°26'05
retrograde evening set inferior conj minimum elong min. Earth dist. morning rise	7687 Sep 10 18:51 7687 Oct 04 00:30 7687 Oct 19 20:29 7687 Oct 29 13:30 7687 Nov 16 09:27 7687 Nov 19 23:47 7687 Nov 20 06:56 7687 Nov 20 15:46 7687 Nov 23 06:38 7687 Nov 24 04:09	0° x 29'15 10° x 12'10 4° x 15'23 2° x 02'21 1° x 51'10 1° x 37'19 30° R M 29° M 27'38	-4.7m -8°00'51 7°59'58 0.28855 AU	minimum elong max. Earth dist.	7690 Apr 15 11:00 7690 Apr 15 06:25 7690 Apr 15 21:53 7690 Apr 16 23:07 7690 May 10 19:58 7690 May 26 01:28 7690 Jun 03 19:09 7690 Jun 17 19:05	28°Y06'24 27°Y52'00 28°Y40'37 0°B 0°II 19°II05'07 0°S 17°S25'45	1°26'05
retrograde evening set inferior conj minimum elong min. Earth dist.  morning rise direct	7687 Sep 10 18:51 7687 Oct 04 00:30 7687 Oct 19 20:29 7687 Oct 29 13:30 7687 Nov 16 09:27 7687 Nov 19 23:47 7687 Nov 20 06:56 7687 Nov 20 15:46 7687 Nov 23 06:38 7687 Nov 24 04:09 7687 Dec 11 10:27	0° ₹ 8° ₹ 29'15 10° ₹ 12'10 4° ₹ 15'23 2° ₹ 02'21 1° ₹ 51'10 1° ₹ 37'19 30° RM 29° M 27'38 23° M 45'05	-4.7m -8°00'51 7°59'58 0.28855 AU	minimum elong max. Earth dist.	7690 Apr 15 11:00 7690 Apr 15 06:25 7690 Apr 15 21:53 7690 Apr 16 23:07 7690 May 10 19:58 7690 May 26 01:28 7690 Jun 03 19:09 7690 Jun 17 19:05 7690 Jun 27 22:22	28°Y06'24 27°Y52'00 28°Y40'37 0°B 0°II 19°II05'07 0°G 17°G25'45 0°A	1°26'05
retrograde evening set inferior conj minimum elong min. Earth dist.  morning rise direct	7687 Sep 10 18:51 7687 Oct 04 00:30 7687 Oct 19 20:29 7687 Oct 29 13:30 7687 Nov 16 09:27 7687 Nov 19 23:47 7687 Nov 20 06:56 7687 Nov 20 15:46 7687 Nov 23 06:38 7687 Nov 24 04:09 7687 Dec 11 10:27 7687 Dec 22 12:39	0° ₹ 8° ₹ 29'15 10° ₹ 12'10 4° ₹ 15'23 2° ₹ 02'21 1° ₹ 51'10 1° ₹ 37'19 30° RM 29° M 27'38 23° M 45'05 25° M 59'44	-4.7m -8°00'51 7°59'58 0.28855 AU	minimum elong max. Earth dist.	7690 Apr 15 11:00 7690 Apr 15 06:25 7690 Apr 15 21:53 7690 Apr 16 23:07 7690 May 10 19:58 7690 May 26 01:28 7690 Jun 03 19:09 7690 Jun 17 19:05 7690 Jun 27 22:22 7690 Jul 22 07:05	28°Y06'24 27°Y52'00 28°Y40'37 0°B 0°II 19°II05'07 0°S 17°S25'45 0°A 0°M	1°26'05

	7690 Oct 05 23:05	0° <b>∡</b> 7			7693 Apr 07 12:35	0°Υ	
desc. node	7690 Oct 03 23:03 7690 Oct 07 12:38	1° <b>∡</b> 46'34			7693 May 01 11:53	0° <b>8</b>	
dese. Hode	7690 Nov 02 04:03	0°る		morning set	7693 May 20 20:37	24° <b>8</b> 16'18	
evening max el	7690 Nov 21 13:44	0 <b>3</b> 19° <b>る</b> 42'37	45°58'42	morning set	7693 May 25 10:23	0°II	
evening man er	7690 Dec 02 19:10	0°≈	.0 00 .2		7693 Jun 18 10:10	0.ee	
greatest brilliancy	7690 Dec 31 00:16	18° <b>≈</b> 22'19	-4.8m		70,20411 10 10.10	• •	
retrograde	7691 Jan 09 16:40	20°≈05'23		superior conj	7693 Jun 29 06:34	13° <b>©</b> 31'31	-0°37'37
evening set	7691 Jan 24 04:11	15° <b>≈</b> 58'55		minimum elong	7693 Jun 29 14:54	13° <b>©</b> 57'27	0°37'22
asc. node	7691 Jan 28 12:50	13° <b>≈</b> 27'59		max. Earth dist.	7693 Jul 02 19:51	17° <b>©</b> 56'55	1.72190 AU
inferior conj	7691 Jan 30 11:03	12° <b>≈</b> 17'11	0°29'34		7693 Jul 12 12:30	$0^{\circ}\Omega$	
minimum elong	7691 Jan 30 09:54	12° <b>≈</b> 18'57	0°29'17	asc. node	7693 Jul 15 06:57	3° <b>Ω</b> 26′16	
min. Earth dist.	7691 Jan 30 20:17	12° <b>≈</b> 02'59	0.27261 AU		7693 Aug 05 17:49	0° <b>m</b>	
morning rise	7691 Feb 05 15:10	8° <b>≈</b> 38'36		evening rise	7693 Aug 06 17:35	1° <b>m</b> 13'24	
direct	7691 Feb 20 08:34	4° <b>≈</b> 22'17			7693 Aug 30 02:20	0∘ <b>⊽</b>	
greatest brilliancy	7691 Mar 02 21:38	6° <b>≈</b> 28′22	-4.9m		7693 Sep 23 14:51	o° <b>m</b> ₊	
	7691 Apr 04 09:33	0° <b>∀</b>			7693 Oct 18 09:03	0° <b>⊼</b>	
morning max el	7691 Apr 11 22:12	7° <b>¥</b> 23′27	46°58'25	desc. node	7693 Nov 04 00:22	19° <b>∡</b> 56′52	
	7691 May 03 02:50	$0$ ° $\Upsilon$			7693 Nov 12 11:02	8°0	
desc. node	7691 May 20 06:26	19° <b>Y</b> 30'13			7693 Dec 07 23:37	0° <b>≈</b>	
	7691 May 29 06:25	$9^{\circ}$ 8			7694 Jan 03 05:34	0° <b>∀</b>	
	7691 Jun 23 11:51	$\Pi$ $^{\circ}0$			7694 Jan 31 04:28	$0$ ° $\Upsilon$	
	7691 Jul 18 08:14	$0$ $\circ$ $\odot$		evening max el	7694 Feb 02 02:36	1° <b>Y</b> 55'56	46°46'37
	7691 Aug 12 00:55	$0$ $^{\circ}$ $\Omega$		asc. node	7694 Feb 25 00:20	22° <b>Y</b> 29'36	
	7691 Sep 05 15:26	0° <b>™</b>			7694 Mar 08 11:10	0°8	
asc. node	7691 Sep 10 05:01	5° Mp 34'46		greatest brilliancy	7694 Mar 14 16:41	2° <b>8</b> 47'38	-4.9m
	7691 Sep 30 03:38	0∘ <b>⊽</b>		retrograde	7694 Mar 24 11:27	4° <b>8</b> 36'47	
morning set	7691 Oct 12 10:36	15° <b>≏</b> 05'43			7694 Apr 08 19:11	30° <b>₹Ƴ</b>	
	7691 Oct 24 13:17	0°M₊		evening set	7694 Apr 11 04:04	28° <b>Ƴ</b> 37'43	
max. Earth dist.	7691 Nov 16 11:13	28°M16'14	1.73097 AU	inferior conj	7694 Apr 14 03:41		
		_		minimum elong	7694 Apr 13 23:00	26° <b>Y</b> 55'44	8°59'17
superior conj	7691 Nov 17 22:41	0° <b>∡</b> ¹05'44	1°20'20	min. Earth dist.	7694 Apr 13 21:56	26° <b>Y</b> 57'22	0.27058 AU
minimum elong	7691 Nov 18 05:01	0° <b>∡</b> 25′18	1°20'20	morning rise	7694 Apr 16 17:58	25° <b>Y</b> 13'14	
	7691 Nov 17 20:49	0° <b>⊼</b>		direct	7694 May 04 17:36	19° <b>Y</b> 02'08	
	7691 Dec 12 03:07	0°る		greatest brilliancy	7694 May 14 06:23	20° <b>Y</b> 44'41	-4.9m
evening rise	7691 Dec 25 12:34	16°る34'37			7694 May 30 18:54	0°8	
desc. node	7691 Dec 30 22:02	23° <b>る</b> 15'29		desc. node	7694 Jun 16 18:16	14° <b>8</b> 23'38	46020115
	7692 Jan 05 08:38	0° <b>≈</b>		morning max el	7694 Jun 23 21:18	21° <b>8</b> 17'27	46°39'15
	7692 Jan 29 13:22	0° <b>Υ</b> 0° <b>Υ</b>			7694 Jul 02 10:20	0°© 0°∏	
	7692 Feb 22 17:34				7694 Jul 29 21:34		
	7692 Mar 17 22:56 7692 Apr 11 09:18	0°¤ 8°0			7694 Aug 24 23:27 7694 Sep 19 10:13	0° <b>№</b>	
asc. node	7692 Apr 21 21:27	0 H 12°∏44'44		asc. node	7694 Oct 07 17:14	رانا کا 21° <b>m</b> ) 52'41	
asc. Houe	7692 May 06 07:12	0°95		asc. Houe	7694 Oct 14 11:06	ე∘ <b>ი</b>	
	7692 Jun 01 04:28	0°Ω			7694 Nov 08 04:03	0° <b>m</b>	
evening max el	7692 Jun 28 19:56	29° <b>Ω</b> 28'50	46°14'23		7694 Dec 02 14:45	0° <b>⊼</b> 7	
evening max er	7692 Jun 29 08:33	0° m)	40 1425	morning set	7694 Dec 20 04:56	21° <b>х</b> 43'54	
greatest brilliancy	7692 Aug 06 08:16	28° <b>m</b> ) 38'44	-4.8m	morning set	7694 Dec 26 21:02	0°る	
greatest offinally	7692 Aug 10 13:57	0∘ <b>⊽</b>			7695 Jan 20 00:14	0° <b>≈</b>	
desc. node	7692 Aug 11 15:36	0° <b>Ω</b> 14'57		max. Earth dist.	7695 Jan 24 14:46	5° <b>≈</b> 44'28	1.72003 AU
retrograde	7692 Aug 17 10:26	0° <b>£</b> 52'58		desc. node	7695 Jan 27 09:56	9° <b>≈</b> 13'53	
S	7692 Aug 24 01:58	30°R, Mp					
evening set	7692 Sep 02 08:15	25° m 59'53		superior conj	7695 Jan 27 15:11	9° <b>≈</b> 30'17	-0°00'32
inferior conj	7692 Sep 07 21:48	22° m/36'36	-5°58'49	minimum elong	7695 Jan 27 15:03	9° <b>≈</b> 29'52	0°00'26
minimum elong	7692 Sep 07 11:51	22° m 52'13	5°56'41	behind sun begin	7695 Jan 26 14:21	8° <b>≈</b> 12'48	
min. Earth dist.	7692 Sep 07 06:13	23° <b>m</b> 01'05	0.28818 AU	behind sun end	7695 Jan 28 15:45	10° <b>≈</b> 46′56	
morning rise	7692 Sep 12 15:51	19° <b>m</b> 42'16			7695 Feb 13 01:00	0° <b>)</b> €	
direct	7692 Sep 29 08:42	14°M 26'15		evening rise	7695 Mar 08 10:52	29° <b>₩</b> 19'22	
greatest brilliancy	7692 Oct 09 04:09	16° Mp 10'36	-4.7m		7695 Mar 08 23:50	$0^{\circ}\mathbf{\Upsilon}$	
	7692 Nov 01 00:55	0∘ <b>⊽</b>			7695 Apr 01 21:57	$0^{\circ}$ 8	
morning max el	7692 Nov 17 02:31	14° <b>≏</b> 17'45	45°44'13		7695 Apr 25 21:32	$\Pi$ °0	
asc. node	7692 Dec 02 15:20	0°M00'24		asc. node	7695 May 20 09:15	0° <b>©</b> 23'55	
	7692 Dec 02 15:11	$0^{\circ}$ M			7695 May 20 01:30	$0$ $\circ$	
	7692 Dec 29 17:54	0° <b>∡</b>			7695 Jun 13 13:13	$0^{\circ}\Omega$	
	7693 Jan 24 06:57	ರ°0			7695 Jul 08 13:21	0° <b>m</b> p	
	7693 Feb 18 01:35	0° <b>≈</b>			7695 Aug 03 11:04	0∘ <b>⊽</b>	
	7693 Mar 14 10:03	0° <b>∀</b>			7695 Aug 31 06:19	0°M	
desc. node	7693 Mar 24 08:05	12° <b>) (</b> 18′57		evening max el	7695 Sep 08 09:56	8°M04'12	45°40'37

min Fouth dist	7700 Can 05 22:16	200 m 50100	0.20777 ATT	hahind aun haain	7702 Ion 25 04:40	5°≈54'51	
min. Earth dist. inferior conj	7700 Sep 05 22:16 7700 Sep 06 13:48	20° m/25'44	0.28777 AU -5°44'05	behind sun begin behind sun end	7703 Jan 25 04:49 7703 Jan 27 05:30	3 ≈34 31 8°≈26'40	
minimum elong	7700 Sep 06 13:48	20° mp 41'14		desc. node	7703 Jan 27 11:53	8°≈46'34	
morning rise	7700 Sep 10 03:30	17° m) 27'32	3 41 33	desc. node	7703 Feb 13 11:46	0° <b>)</b>	
direct	7700 Sep 27 23:48	12° mp 15'58		evening rise	7703 Mar 06 22:48	26° <b>¥</b> 52′20	
greatest brilliancy	7700 Oct 07 19:51	14° Mp 00'22	-4.7m	evening rise	7703 Mar 09 10:42	0° <b>Υ</b>	
greatest stimule)	7700 Nov 02 08:18	0∘ <b>ʊ</b>	,		7703 Apr 02 08:56	0°8	
morning max el	7700 Nov 15 16:34	12° <b>Ω</b> 02'37	45°43'39		7703 Apr 26 08:41	0°II	
asc. node	7700 Dec 02 17:19	29° <b>Ω</b> 19'14		asc. node	7703 May 20 11:10	29° <b>∏</b> 54'43	
	7700 Dec 03 08:41	0°M			7703 May 20 12:53	0ಂತಾ	
	7700 Dec 30 07:58	0°⊀			7703 Jun 14 01:02	$0^{\circ}\Omega$	
	7701 Jan 24 19:35	ರ°0			7703 Jul 09 02:02	0° <b>m</b>	
	7701 Feb 18 13:30	0° <b>≈</b>			7703 Aug 04 01:36	0∘ <b>⊽</b>	
	7701 Mar 14 21:33	0° <b>∀</b>			7703 Sep 01 01:46	$0^{\circ}$ M	
desc. node	7701 Mar 24 10:12	11° <b>)</b> € 50′13		evening max el	7703 Sep 07 02:00	5°M54'49	45°41'01
	7701 Apr 07 23:47	$0^{\circ}\mathbf{\Upsilon}$		desc. node	7703 Sep 09 05:14	7°M57'05	
	7701 May 01 22:53	$_{0\circ}$ 8			7703 Oct 07 03:21	0° <b>∡</b> ″	
morning set	7701 May 19 08:43	21° <b>8</b> 49'34		greatest brilliancy	7703 Oct 16 00:03	4° <b>尽</b> 05'22	-4.7m
	7701 May 25 21:15	0°Щ		retrograde	7703 Oct 25 21:49	5° <b>₹</b> 51'45	
	7701 Jun 18 20:58	0		evening set	7703 Nov 12 20:48	29°M48'01	
			0040154		7703 Nov 12 12:48	30°RM	001.410.5
superior conj	7701 Jun 27 20:25	11°5011'42		inferior conj	7703 Nov 16 07:38	27°M40'05	
minimum elong max. Earth dist.	7701 Jun 28 05:20 7701 Jul 01 08:18	11°539'28		minimum elong min. Earth dist.	7703 Nov 16 13:34	27°M30'46	
max. Earth dist.	7701 Jul 12 23:16	15° <b>©</b> 32'48 0° <b>Ω</b>	1.72143 AU		7703 Nov 16 20:56	27°M19'15	0.28939 AU
asc. node	7701 Jul 12 23:16 7701 Jul 15 08:52	2° <b>Ω</b> 58'48		morning rise direct	7703 Nov 20 06:13 7703 Dec 07 19:41	25°M14'17 19°M22'13	
evening rise	7701 Jul 13 08:32 7701 Aug 05 09:44	2 <b>0</b> €3848 29° <b>Ω</b> 01'47		greatest brilliancy	7703 Dec 17 19:41 7703 Dec 18 19:01	21°M34'51	-4.8m
evening risc	7701 Aug 06 04:35	0° m		asc. node	7703 Dec 18 19:01 7703 Dec 31 04:57	28°M18'10	-4.0111
	7701 Aug 30 13:11	0∘ <del>ত</del> ماہ		ase. node	7704 Jan 02 15:08	20° <b>10</b> 10 10	
	7701 Sep 24 01:57	0°M		morning max el	7704 Jan 26 16:30	21° <b>х</b> 07'24	46°19'43
	7701 Oct 18 20:37	0° <b>⊼</b> 7		morning must be	7704 Feb 04 08:38	0°ප	.0 15 .5
desc. node	7701 Nov 04 02:23	19° <b>∡</b> 27'05			7704 Mar 02 10:36	0° <b>≈</b>	
	7701 Nov 12 23:22	8°0			7704 Mar 27 21:37	0° <b>)</b>	
	7701 Dec 08 13:18	0° <b>≈</b>		desc. node	7704 Apr 20 22:17	29° <b>)</b> €08'15	
	7702 Jan 03 21:47	0° <b>)</b> €			7704 Apr 21 15:12	$0^{\circ}\Upsilon$	
evening max el	7702 Jan 31 15:28	29° <b>)</b> € 30′56	46°45'18		7704 May 16 00:09	0°8	
	7702 Feb 01 03:08	$0^{\circ}\Upsilon$			7704 Jun 09 05:23	$\Pi$ °0	
asc. node	7702 Feb 25 02:27	21° <b>Y</b> 13'28			7704 Jul 03 10:02	$0$ $\circ$ $\odot$	
	7702 Mar 12 06:37	$9^{\circ}$ 8			7704 Jul 27 15:42	$0$ ° $\Omega$	
greatest brilliancy	7702 Mar 13 05:27	0° <b>8</b> 21'17	-4.9m	morning set	7704 Jul 30 19:19	3° <b>Ω</b> 53'42	
retrograde	7702 Mar 23 00:30	2° <b>8</b> 11'02		asc. node	7704 Aug 11 20:54	18° <b>Ω</b> 48'12	
_	7702 Apr 02 08:46	30° <b>₹</b> Υ			7704 Aug 20 22:34	0° <b>т</b> р	
evening set	7702 Apr 09 13:13	26° <b>℃</b> 17'21					
inferior conj	7702 Apr 12 16:32	24° <b>Y</b> 22'53		superior conj	7704 Sep 06 09:29	20° Mp 17'57	0°56'30
minimum elong min. Earth dist.	7702 Apr 12 10:58	24° <b>Υ</b> 31'26 24° <b>Υ</b> 32'12	8°53'43	minimum elong max. Earth dist.	7704 Sep 06 00:08	19° Mp 49'05	0°56'08
morning rise	7702 Apr 12 10:29 7702 Apr 15 08:45	$24^{\circ}$ $132^{\circ}$ $12$ $22^{\circ}$ $12$ $12$	0.27044 AU	max. Earth dist.	7704 Sep 07 08:59 7704 Sep 14 06:17	21° <b>™</b> 30'25 0° <b>₽</b>	1.73224 AU
direct	7702 May 03 06:09	16° <b>Υ</b> 36'24			7704 Oct 08 14:45	0°M	
greatest brilliancy	7702 May 12 19:21	18° <b>Υ</b> 19'36	-4.9m	evening rise	7704 Oct 12 18:25	5°M06'41	
8	7702 Jun 01 12:03	0°8			7704 Nov 02 00:33	0° <b>⊼</b>	
desc. node	7702 Jun 16 20:11	13° <b>8</b> 27'10			7704 Nov 26 12:23	0°ප	
morning max el	7702 Jun 22 11:09	18° <b>8</b> 55'56	46°40'51	desc. node	7704 Dec 01 14:02	6° <b>ප</b> 11'30	
	7702 Jul 03 05:58	$\Pi^{\circ}0$			7704 Dec 21 02:37	0°≈	
	7702 Jul 30 12:36	$0$ $\circ$ $\odot$			7705 Jan 14 19:34	0° <b>)</b> €	
	7702 Aug 25 12:29	$0^{\circ}\Omega$			7705 Feb 08 17:13	$0^{\circ}$ $\Upsilon$	
	7702 Sep 19 22:10	O° Mp			7705 Mar 06 02:12	$9^{\circ}$ 8	
asc. node	7702 Oct 07 19:15	21°M 24'23		asc. node	7705 Mar 24 13:53	21° <b>8</b> 05'44	
	7702 Oct 14 22:23	0∘ <b>⊽</b>			7705 Apr 01 16:24	$\Pi$ °0	
	7702 Nov 08 14:57	0°M₊		evening max el	7705 Apr 14 14:04	13° <b>Ⅱ</b> 31′58	46°59'03
	7702 Dec 03 01:29	0° <b>∡</b>			7705 May 02 05:26	0°©	
morning set	7702 Dec 18 20:55	19° <b>∡</b> 31'47		greatest brilliancy	7705 May 24 16:02	14°9521'33	-4.9m
	7702 Dec 27 07:42	ರ್∘ರ		retrograde	7705 Jun 04 02:14	16°523'33	
F 4 5	7703 Jan 20 10:56	0°≈	1.700.40 4.77	evening set	7705 Jun 19 19:46	11°931'11	4020120
max. Earth dist.	7703 Jan 23 07:07	3° <b>≈</b> 32′27	1.72048 AU	inferior conj	7705 Jun 25 00:01	8°524'03	4°39'28
·	7702 L 26 04 22	7000117	0902112	minimum elong	7705 Jun 25 09:24	8°509'33	4°36'46
superior conj	7703 Jan 26 04:22	7°≈08'17	0°03'13	min. Earth dist.	7705 Jun 24 21:10	8° <b>©</b> 28'27 4° <b>©</b> 51'41	0.27538 AU
minimum elong	7703 Jan 26 05:09	7° <b>≈</b> 10'46	0°03'17	morning rise	7705 Jun 30 23:31	141روت 4	

desc. node	7705 Jul 14 07:49	0°ഇ34'32			7707 Dec 12 00:31	0°る	
direct	7705 Jul 15 21:43	0°©31'33		evening rise	7707 Dec 21 19:27	12° <b>る</b> 06'26	
greatest brilliancy	7705 Jul 25 16:10	2°©17'37	-4.8m	desc. node	7707 Dec 30 01:58	22° <b>る</b> 20'33	
	7705 Sep 01 23:25	$0^{\circ}\Omega$			7708 Jan 05 06:24	0° <b>≈</b>	
morning max el	7705 Sep 03 02:16	1° <b>Ω</b> 04'22	45°55'25		7708 Jan 29 11:36	0° <b>∀</b>	
	7705 Oct 01 01:19	O° My			7708 Feb 22 16:23	0° <b>Υ</b>	
	7705 Oct 27 18:28	0∘ <b>ত</b>			7708 Mar 17 22:33	0°8	
asc. node	7705 Nov 04 07:19	8° <b>≏</b> 43'29			7708 Apr 11 10:13	$\Pi$ °0	
	7705 Nov 22 09:03	0°M₊		asc. node	7708 Apr 21 01:24	11° <b>Ⅲ</b> 39′15	
	7705 Dec 17 07:30	0°⊀			7708 May 06 10:24	$0 {\circ} {f \widehat{e}}$	
	7706 Jan 10 19:35	0°ಕ			7708 Jun 01 12:27	$0$ ° $\Omega$	
	7706 Feb 04 01:04	0° <b>≈</b>		evening max el	7708 Jun 25 00:30	24° <b>Ω</b> 53'33	46°17'44
desc. node	7706 Feb 24 00:01	24° <b>≈</b> 53′02			7708 Jun 30 06:34	0° <b>m</b> y	
	7706 Feb 28 02:11	0° <b>∀</b>		greatest brilliancy	7708 Aug 02 16:54	24° Mp 16'04	-4.8m
morning set	7706 Mar 01 10:57	1° <b>)</b> 42′31		desc. node	7708 Aug 10 19:42	26° Mp 20'33	
	7706 Mar 24 00:20	$0$ ° $\mathbf{\Upsilon}$		retrograde	7708 Aug 13 18:07	26° Mp 30'36	
				evening set	7708 Aug 29 11:16	21°Mp44'39	
superior conj	7706 Apr 11 08:34	23° <b>Y</b> 03'45		min. Earth dist.	7708 Sep 03 14:11	~	0.28735 AU
minimum elong	7706 Apr 11 02:01	22° <b>Ƴ</b> 43'11		inferior conj	7708 Sep 04 05:42	18° <b>m</b> y 15'08	
max. Earth dist.	7706 Apr 11 09:29		1.71198 AU	minimum elong	7708 Sep 03 19:58	18° <b>m</b> 30'24	5°26'25
	7706 Apr 16 20:55	$9^{\circ}$ 8		morning rise	7708 Sep 09 04:59	15° Mp 13'17	
	7706 May 10 17:48	$\Pi$ $^{\circ}0$		direct	7708 Sep 25 14:41	10° <b>m</b> 05'47	
evening rise	7706 May 21 23:37	14° <b>Ⅱ</b> 05'36		greatest brilliancy	7708 Oct 05 11:35	11° <b>m</b> 50'42	-4.7m
	7706 Jun 03 17:03	0			7708 Nov 02 13:09	0∘ <b>⊽</b>	
asc. node	7706 Jun 16 22:57	16° <b>©</b> 29'21		morning max el	7708 Nov 13 07:29	9° <b>ഫ</b> 50'23	45°43'21
	7706 Jun 27 20:29	$0^{\circ}\Omega$		asc. node	7708 Dec 01 19:14	28° <b>≏</b> 39'10	
	7706 Jul 22 05:38	O° My			7708 Dec 03 01:30	0°M₊	
	7706 Aug 15 22:36	0∘ <b>ত</b>			7708 Dec 29 21:35	0°⊀	
	7706 Sep 10 03:17	0°M₊			7709 Jan 24 07:54	0°ರ	
	7706 Oct 06 03:18	0° <b>∡</b>			7709 Feb 18 01:09	0° <b>≈</b>	
desc. node	7706 Oct 06 16:41	0° <b>∡</b> 37'44			7709 Mar 14 08:52	0° <b>∀</b>	
	7706 Nov 02 15:43	0°₹		desc. node	7709 Mar 23 12:07	11° <b>∺</b> 21'15	
evening max el	7706 Nov 17 17:47	15° <b>る</b> 08'51	45°55'43		7709 Apr 07 10:53	0° <b>Υ</b>	
	7706 Dec 04 10:55	0° <b>≈</b>	4.0		7709 May 01 09:50	0° <b>8</b>	
greatest brilliancy	7706 Dec 27 05:10	13°≈44'25	-4.8m	morning set	7709 May 16 20:15	19° <b>8</b> 21'12	
retrograde	7707 Jan 05 18:14	15°≈24'38			7709 May 25 08:05	0°© 0°∏	
evening set	7707 Jan 20 09:08 7707 Jan 26 14:33	11°≈15'54	0017144		7709 Jun 18 07:42	0.50	
inferior conj		7°≈36'02		aumariar aani	7700 Jun 25 00:49	8°\$50'29	0944100
minimum elong transit middle	7707 Jan 26 15:12 7707 Jan 26 15:12	7°≈35'03 7°≈35'03		superior conj minimum elong	7709 Jun 25 09:48 7709 Jun 25 19:15	9° <b>©</b> 19'57	
transit begin	7707 Jan 26 14:41	7°≈35'51	0 10 20	max. Earth dist.	7709 Jun 28 19:50	13°506'00	1.72095 AU
transit end	7707 Jan 26 15:43	7°≈34'15		max. Earth dist.	7709 Jul 12 09:57	0°Ω	1.72093 AU
min. Earth dist.	7707 Jan 27 02:26	7°≈17'42	0.27344 AU	asc. node	7709 Jul 14 10:54	2° <b>Ω</b> 31'56	
asc. node	7707 Jan 27 02:20	6°≈55'31	0.27544 AO	evening rise	7709 Aug 03 01:37	26° <b>Ω</b> 49'32	
morning rise	7707 Feb 01 20:34	3°≈53'49		evening rise	7709 Aug 05 01:37	0°m/	
morning rise	7707 Feb 12 09:59	30°R₹			7709 Aug 29 24:00	0∘ <b>⊽</b>	
direct	7707 Feb 16 12:16	29° <b>る</b> 39'34			7709 Sep 23 13:01	0°M	
	7707 Feb 20 16:20	0°≈			7709 Oct 18 08:09	0° <b>∡</b> 7	
greatest brilliancy	7707 Feb 27 04:57	1° <b>≈</b> 47'53	-4.9m	desc. node	7709 Nov 03 04:17	18° <b>₹</b> '57'06	
-	7707 Apr 05 10:46	0° <b>)</b> €			7709 Nov 12 11:41	8°0	
morning max el	7707 Apr 08 00:04	2° <b>)</b> 33′19	46°57'21		7709 Dec 08 02:57	0° <b>≈</b>	
	7707 May 03 12:24	$0^{\circ}\mathbf{\Upsilon}$			7710 Jan 03 14:06	0° <b>∀</b>	
desc. node	7707 May 19 10:23	18° <b>Ƴ</b> 15'40		evening max el	7710 Jan 29 05:05	27° <b>)</b> €08'26	46°43'50
	7707 May 29 10:35	0°8			7710 Feb 01 02:38	$0^{\circ}$ Y	
	7707 Jun 23 13:19	$\Pi^{\circ}0$		asc. node	7710 Feb 24 04:24	19° <b>Ƴ</b> 54'42	
	7707 Jul 18 08:04	$0$ $\circ$ $\odot$		greatest brilliancy	7710 Mar 10 17:26	27° <b>Y</b> 53'56	-4.9m
	7707 Aug 11 23:39	$0^{\circ}\Omega$		retrograde	7710 Mar 20 13:51	29° <b>Y</b> '44'42	
	7707 Sep 05 13:25	0° <b>m</b> y		evening set	7710 Apr 06 21:48	23° <b>Y</b> 56'49	
asc. node	7707 Sep 09 09:04	4° <b>™</b> 40'17		inferior conj	7710 Apr 10 05:11	21° <b>Y</b> 56'27	8°47'33
	7707 Sep 30 01:08	0∘ <b>⊽</b>		minimum elong	7710 Apr 09 22:48	22° <b>Y</b> 06'16	8°46'54
morning set	7707 Oct 08 21:17	10° <b>£</b> 51'39		min. Earth dist.	7710 Apr 09 22:35	22° <b>Y</b> ′06'35	0.27036 AU
	7707 Oct 24 10:31	0°M₊		morning rise	7710 Apr 12 23:49	20° <b>Y</b> 15′03	
max. Earth dist.	7707 Nov 12 21:41	24°M00'50	1.73146 AU	direct	7710 Apr 30 19:06	14° <b>Y</b> ′09'53	
				greatest brilliancy	7710 May 10 07:49	15° <b>Y</b> 53′08	-4.9m
superior conj	7707 Nov 14 09:26	25°M51'10			7710 Jun 02 01:11	0° <b>8</b>	
minimum elong	7707 Nov 14 14:34	26°M07'03	1°22'27	desc. node	7710 Jun 15 22:10	12° <b>8</b> 31'26	46040110
	7707 Nov 17 18:02	0°⊀		morning max el	7710 Jun 20 01:37	16° <b>8</b> 35'17	46~42'18

	7710 Jul 03 01:17	$\Pi^{\circ}0$			7712 Dec 20 14:20	0° <b>≈</b>	
	7710 Jul 30 03:37	0°©			7712 Dec 20 14:20 7713 Jan 14 07:55	0° <b>∺</b>	
	7710 Aug 25 01:34	$0^{\circ}\Omega$			7713 Feb 08 06:31	0°Υ	
	7710 Sep 19 10:09	0° mp			7713 Mar 05 17:12	0°8	
asc. node	7710 Oct 06 21:06	20° m 55'15		asc. node	7713 Mar 23 15:48	20° <b>8</b> 23'13	
	7710 Oct 14 09:45	0∘ <b>⊽</b>			7713 Apr 01 11:16	$\Pi^{\circ}0$	
	7710 Nov 08 01:57	$0^{\circ}$ M		evening max el	7713 Apr 12 04:29	11° <b>Ⅱ</b> 10'43	46°59'36
	7710 Dec 02 12:17	0° <b>∡</b> ¹			7713 May 02 16:33	$0$ $\circ$ $\odot$	
morning set	7710 Dec 16 13:12	17° <b>∡</b> ²20′24		greatest brilliancy	7713 May 22 07:47	12° <b>©</b> 02'19	-4.9m
	7710 Dec 26 18:26	0°ප		retrograde	7713 Jun 01 16:21	14° <b>5</b> 02'37	
	7711 Jan 19 21:40	0° <b>≈</b>		evening set	7713 Jun 17 12:50	9° <b>5</b> 06'51	
max. Earth dist.	7711 Jan 20 22:38	1° <b>≈</b> 17'45	1.72086 AU	inferior conj	7713 Jun 22 14:02	6° <b>ॐ</b> 03'50	4°59'02
				minimum elong	7713 Jun 22 23:50	5° <b>©</b> 48'40	4°56'18
superior conj	7711 Jan 23 18:01	4°≈47'41	0°06'53	min. Earth dist.	7713 Jun 22 11:44	6° <b>©</b> 07'23	0.27513 AU
minimum elong	7711 Jan 23 19:42	4°≈52'57	0°06'53	morning rise	7713 Jun 28 11:18	2°534'13	
behind sun begin behind sun end	7711 Jan 22 21:09	3°≈42'42 6°≈03'12		direct	7713 Jul 03 23:38 7713 Jul 13 11:28	30°ŖⅡ 28°Ⅱ11'52	
desc. node	7711 Jan 24 18:14 7711 Jan 26 13:57	8°≈19'29		desc. node	7713 Jul 13 11.28	28° <b>П</b> 11'52	
desc. node	7711 Feb 12 22:33	0° <b>X</b>		greatest brilliancy	7713 Jul 23 05:36	28 H11 32 29°H57'25	-4.8m
evening rise	7711 Mar 04 11:07	24° <b>)</b> 26'22		greatest orimancy	7713 Jul 23 08:33	0°95	-4.0111
evening rise	7711 Mar 04 11:07	0°Υ		morning max el	7713 Aug 31 16:02	28° <b>5</b> 346'15	45°56'33
	7711 Apr 01 20:01	0°8			7713 Sep 01 22:31	0°N	
	7711 Apr 25 19:59	0°II			7713 Sep 30 17:22	0° mp	
asc. node	7711 May 19 13:07	29° <b>Ⅱ</b> 24'55			7713 Oct 27 07:58	0∘ <u>v</u>	
	7711 May 20 00:30	0ಂತಾ		asc. node	7713 Nov 03 09:19	8° <b>≏</b> 11'17	
	7711 Jun 13 13:09	$0^{\circ}\Omega$			7713 Nov 21 21:20	0°M	
	7711 Jul 08 15:06	0° <b>m</b>			7713 Dec 16 19:08	0°⊀	
	7711 Aug 03 16:40	0。 <b>亚</b>			7714 Jan 10 06:53	0°ಕ	
	7711 Aug 31 22:13	0°M₊			7714 Feb 03 12:12	0°≈	
evening max el	7711 Sep 04 18:10	3°M44'43	45°41'31	desc. node	7714 Feb 23 01:54	24° <b>≈</b> 24'15	
desc. node	7711 Sep 08 07:09	7°M06'30		morning set	7714 Feb 26 22:19	29°≈13'15	
	7711 Oct 08 23:06	0° <b>₹</b>			7714 Feb 27 13:15	0° <b>)</b> €	
greatest brilliancy	7711 Oct 13 14:20	1° 🗷 53'40	-4.7m		7714 Mar 23 11:22	$0$ ° $\Upsilon$	
retrograde	7711 Oct 23 13:34 7711 Nov 06 06:59	3°₮40′52 30°₽₪		superior conj	7714 Apr 08 19:37	20° <b>Ƴ</b> 33'01	1023/01
evening set	7711 Nov 10 14:11	27°M34'34		minimum elong	7714 Apr 08 12:11	20° <b>Υ</b> 09'38	
inferior conj	7711 Nov 13 23:29	25°M28'37	-8°19'44	max. Earth dist.	7714 Apr 08 12:19		1.71194 AU
minimum elong	7711 Nov 14 04:47	25°M20'18		mun. Barur dibt.	7714 Apr 16 07:55	0°8	1.,11,110
min. Earth dist.	7711 Nov 14 11:27		0.28972 AU		7714 May 10 04:47	0°П	
morning rise	7711 Nov 17 19:18	23°M06'47		evening rise	7714 May 19 10:54	110TT26110	
direct	7711 D 05 12:10			0,0111115	//14 May 19 10.34	11° <b>Ⅲ</b> 36′10	
	7711 Dec 05 12:19	17°M10'42		evening rise	7714 May 19 10.34 7714 Jun 03 04:04	0°©	
greatest brilliancy	7711 Dec 03 12:19 7711 Dec 16 09:28	17°M10'42 19°M21'15	-4.8m	asc. node	•		
greatest brilliancy asc. node			-4.8m	C	7714 Jun 03 04:04	0ಂತ	
asc. node	7711 Dec 16 09:28 7711 Dec 30 07:02 7712 Jan 03 06:15	19°M21'15 27°M04'41 0°⊀		C	7714 Jun 03 04:04 7714 Jun 16 01:01 7714 Jun 27 07:39 7714 Jul 21 17:04	0° <b>£</b> 0° <b>£</b> 0° <b>£</b> 0° <b>∯</b>	
	7711 Dec 16 09:28 7711 Dec 30 07:02 7712 Jan 03 06:15 7712 Jan 24 08:10	19°M21'15 27°M04'41 0°⊀ 18°⊀52'54	-4.8m 46°18'08	C	7714 Jun 03 04:04 7714 Jun 16 01:01 7714 Jun 27 07:39 7714 Jul 21 17:04 7714 Aug 15 10:31	0° <b>₽</b> 0° <b>U</b> 0°°0 0°°0 0°°5 0°°5	
asc. node	7711 Dec 16 09:28 7711 Dec 30 07:02 7712 Jan 03 06:15 7712 Jan 24 08:10 7712 Feb 04 03:29	19°M21'15 27°M04'41 0°ダ 18°ダ52'54 0°る		asc. node	7714 Jun 03 04:04 7714 Jun 16 01:01 7714 Jun 27 07:39 7714 Jul 21 17:04 7714 Aug 15 10:31 7714 Sep 09 16:06	0° <b>ಒ</b> 0° <b>ಒ</b> 0° <b>ೂ</b> 0° <b>ೂ</b> 0° <b>ೂ</b>	
asc. node	7711 Dec 16 09:28 7711 Dec 30 07:02 7712 Jan 03 06:15 7712 Jan 24 08:10 7712 Feb 04 03:29 7712 Mar 02 01:21	19°M21'15 27°M04'41 0°⊀ 18°⊀52'54 0°♂ 0°≈		C	7714 Jun 03 04:04 7714 Jun 16 01:01 7714 Jun 27 07:39 7714 Jul 21 17:04 7714 Aug 15 10:31 7714 Sep 09 16:06 7714 Oct 05 18:36	0°501'19 0°60 0°10 0°50 0°50 0°10 0°501'19 0°501'19	
asc. node morning max el	7711 Dec 16 09:28 7711 Dec 30 07:02 7712 Jan 03 06:15 7712 Jan 24 08:10 7712 Feb 04 03:29 7712 Mar 02 01:21 7712 Mar 27 10:41	19°M21'15 27°M04'41 0°♂ 18°♂52'54 0°云 0°≈ 0°∺		asc. node	7714 Jun 03 04:04 7714 Jun 16 01:01 7714 Jun 27 07:39 7714 Jul 21 17:04 7714 Aug 15 10:31 7714 Sep 09 16:06 7714 Oct 05 18:36 7714 Oct 05 17:53	0°50 16°501'19 0°80 0°10 0°50 0°10 0°57'02'01 0°57'02'01 0°57'	
asc. node	7711 Dec 16 09:28 7711 Dec 30 07:02 7712 Jan 03 06:15 7712 Jan 24 08:10 7712 Feb 04 03:29 7712 Mar 02 01:21 7712 Mar 27 10:41 7712 Apr 20 00:13	19°M21'15 27°M04'41 0°♂ 18°♂52'54 0°♂ 0°≈ 0°∺ 28°∺36'45		asc. node	7714 Jun 03 04:04 7714 Jun 16 01:01 7714 Jun 27 07:39 7714 Jul 21 17:04 7714 Aug 15 10:31 7714 Sep 09 16:06 7714 Oct 05 18:36 7714 Oct 05 17:53 7714 Nov 02 10:30	0°5 16°501'19 0°1 0°1 0°1 0°조 0°1 0°3'02'01 0°3' 0°3	45954172
asc. node morning max el	7711 Dec 16 09:28 7711 Dec 30 07:02 7712 Jan 03 06:15 7712 Jan 24 08:10 7712 Feb 04 03:29 7712 Mar 02 01:21 7712 Mar 27 10:41 7712 Apr 20 00:13 7712 Apr 21 03:24	19°M21'15 27°M04'41 0°♂ 18°♂52'54 0°云 0°≈ 0°升 28°升36'45 0°℃		asc. node	7714 Jun 03 04:04 7714 Jun 16 01:01 7714 Jun 27 07:39 7714 Jul 21 17:04 7714 Aug 15 10:31 7714 Sep 09 16:06 7714 Oct 05 18:36 7714 Oct 05 17:53 7714 Nov 02 10:30 7714 Nov 15 06:51	0°5 16°501'19 0°1 0°1 0°1 0°조 0°조 0°조 0°중 12°중49'07	45°54'23
asc. node morning max el	7711 Dec 16 09:28 7711 Dec 30 07:02 7712 Jan 03 06:15 7712 Jan 24 08:10 7712 Feb 04 03:29 7712 Mar 02 01:21 7712 Mar 27 10:41 7712 Apr 20 00:13 7712 Apr 21 03:24 7712 May 15 11:51	19°M21'15 27°M04'41 0°  18°  52'52'54 0°  0°  0°  28°  36'45 0°  0°  0°  0°  8		asc. node  desc. node  evening max el	7714 Jun 03 04:04 7714 Jun 16 01:01 7714 Jun 27 07:39 7714 Jul 21 17:04 7714 Aug 15 10:31 7714 Sep 09 16:06 7714 Oct 05 18:36 7714 Oct 05 17:53 7714 Nov 02 10:30 7714 Nov 15 06:51 7714 Dec 04 23:42	0°\$ 16°\$01'19 0°\$ 0°\$ 0°\$ 0°\$ 0°\$ 0°\$ 12°\$49'07 0°\$	
asc. node morning max el	7711 Dec 16 09:28 7711 Dec 30 07:02 7712 Jan 03 06:15 7712 Jan 24 08:10 7712 Feb 04 03:29 7712 Mar 02 01:21 7712 Apr 20 00:13 7712 Apr 21 03:24 7712 May 15 11:51 7712 Jun 08 16:46	19°M21'15 27°M04'41 0°  18°  752'54 0°  0°  0°  28°  36'45 0°  0°  0°  0°  0°  0°  0°  0°  0°  0°		asc. node  desc. node  evening max el greatest brilliancy	7714 Jun 03 04:04 7714 Jun 16 01:01 7714 Jun 27 07:39 7714 Jul 21 17:04 7714 Aug 15 10:31 7714 Sep 09 16:06 7714 Oct 05 18:36 7714 Oct 05 17:53 7714 Nov 02 10:30 7714 Nov 15 06:51 7714 Dec 04 23:42 7714 Dec 24 19:23	0°5 16°501'19 0°Ω 0°M 0°Ω 0°M 0°₹02'01 0°₹ 12°₹49'07 0°≈ 11°≈24'32	45°54'23 -4.8m
asc. node morning max el	7711 Dec 16 09:28 7711 Dec 30 07:02 7712 Jan 03 06:15 7712 Jan 24 08:10 7712 Feb 04 03:29 7712 Mar 02 01:21 7712 Apr 20 00:13 7712 Apr 21 03:24 7712 May 15 11:51 7712 Jun 08 16:46 7712 Jul 02 21:10	19°M21'15 27°M04'41 0° ₹ 18° ₹ 52'54 0° ₹ 0° ≈ 0° ¥ 28° ₹ 36'45 0° ♀ 0° ¥ 0° ¥ 0° ¥		asc. node  desc. node  evening max el  greatest brilliancy retrograde	7714 Jun 03 04:04 7714 Jun 16 01:01 7714 Jun 27 07:39 7714 Jul 21 17:04 7714 Aug 15 10:31 7714 Sep 09 16:06 7714 Oct 05 18:36 7714 Oct 05 17:53 7714 Nov 02 10:30 7714 Nov 15 06:51 7714 Dec 04 23:42 7714 Dec 24 19:23 7715 Jan 03 07:04	0°5 16°501'19 0°1 0°1 0°1 0°1 0°1 0°1 0°3 12°549'07 0°8 11°≈24'32 13°≈03'58	
asc. node morning max el	7711 Dec 16 09:28 7711 Dec 30 07:02 7712 Jan 03 06:15 7712 Jan 24 08:10 7712 Feb 04 03:29 7712 Mar 02 01:21 7712 Apr 20 00:13 7712 Apr 21 03:24 7712 May 15 11:51 7712 Jun 08 16:46	19°M21'15 27°M04'41 0°  18°  752'54 0°  0°  0°  28°  36'45 0°  0°  0°  0°  0°  0°  0°  0°  0°  0°		asc. node  desc. node  evening max el greatest brilliancy	7714 Jun 03 04:04 7714 Jun 16 01:01 7714 Jun 27 07:39 7714 Jul 21 17:04 7714 Aug 15 10:31 7714 Sep 09 16:06 7714 Oct 05 18:36 7714 Oct 05 17:53 7714 Nov 02 10:30 7714 Nov 15 06:51 7714 Dec 04 23:42 7714 Dec 24 19:23	0°5 16°501'19 0°Ω 0°M 0°Ω 0°M 0°₹02'01 0°₹ 12°₹49'07 0°≈ 11°≈24'32	-4.8m
asc. node morning max el desc. node	7711 Dec 16 09:28 7711 Dec 30 07:02 7712 Jan 03 06:15 7712 Jan 24 08:10 7712 Feb 04 03:29 7712 Mar 02 01:21 7712 Apr 20 00:13 7712 Apr 21 03:24 7712 May 15 11:51 7712 Jun 08 16:46 7712 Jul 02 21:10 7712 Jul 27 02:38	19°M21'15 27°M04'41 0°♂ 18°♂52'54 0°云 0°≈ 0°H 28°H36'45 0°Y 0°B 0°I 0°©		asc. node  desc. node  evening max el  greatest brilliancy retrograde evening set	7714 Jun 03 04:04 7714 Jun 16 01:01 7714 Jun 27 07:39 7714 Jul 21 17:04 7714 Aug 15 10:31 7714 Sep 09 16:06 7714 Oct 05 18:36 7714 Nov 02 10:30 7714 Nov 15 06:51 7714 Dec 04 23:42 7714 Dec 24 19:23 7715 Jan 03 07:04 7715 Jan 17 23:48	0°5 16°501'19 0°1 0°1 0°1 0°1 0°2 0°1 0°3 12°549'07 0°8 11°≈24'32 13°≈03'58 8°≈53'06	-4.8m -0°39'46
asc. node morning max el  desc. node  morning set	7711 Dec 16 09:28 7711 Dec 30 07:02 7712 Jan 03 06:15 7712 Jan 24 08:10 7712 Feb 04 03:29 7712 Mar 02 01:21 7712 Apr 20 00:13 7712 Apr 21 03:24 7712 May 15 11:51 7712 Jun 08 16:46 7712 Jul 02 21:10 7712 Jul 27 02:38 7712 Jul 28 10:58	19°M21'15 27°M04'41 0°ダ 18°ダ52'54 0°云 0°≈ 0°H 28°H36'45 0°Y 0°B 0°B 0°B 1°B39'58		asc. node  desc. node  evening max el  greatest brilliancy retrograde evening set inferior conj	7714 Jun 03 04:04 7714 Jun 16 01:01 7714 Jun 27 07:39 7714 Jul 21 17:04 7714 Aug 15 10:31 7714 Sep 09 16:06 7714 Oct 05 18:36 7714 Oct 05 17:53 7714 Nov 02 10:30 7714 Nov 15 06:51 7714 Dec 04 23:42 7714 Dec 24 19:23 7715 Jan 03 07:04 7715 Jan 17 23:48 7715 Jan 24 04:17	0°5 16°501'19 0°れ 0°か 0°か 0°ふ 0°が 12°349'07 0°≈ 11°≈24'32 13°≈03'58 8°≈53'06 5°≈14'47	-4.8m -0°39'46
asc. node morning max el  desc. node  morning set	7711 Dec 16 09:28 7711 Dec 30 07:02 7712 Jan 03 06:15 7712 Jan 24 08:10 7712 Feb 04 03:29 7712 Mar 02 01:21 7712 Mar 27 10:41 7712 Apr 20 00:13 7712 Apr 21 03:24 7712 Jun 08 16:46 7712 Jul 02 21:10 7712 Jul 27 02:38 7712 Jul 28 10:58 7712 Aug 10 22:54	19°M21'15 27°M04'41 0° ₹ 18° ₹ 52'54 0° ₹ 0° ★ 28° ₩ 36'45 0° ₩ 0° ₩ 0° ₩ 0° ₩ 1° № 0° № 1° № 0° № 1° № 0° № 0° № 0° № 0° № 0° № 0° № 0° №		asc. node  desc. node  evening max el  greatest brilliancy retrograde evening set inferior conj minimum elong	7714 Jun 03 04:04 7714 Jun 16 01:01 7714 Jun 27 07:39 7714 Jul 21 17:04 7714 Aug 15 10:31 7714 Sep 09 16:06 7714 Oct 05 18:36 7714 Oct 05 17:53 7714 Nov 02 10:30 7714 Nov 15 06:51 7714 Dec 04 23:42 7714 Dec 24 19:23 7715 Jan 03 07:04 7715 Jan 17 23:48 7715 Jan 24 04:17 7715 Jan 24 05:48	0°5 16°501'19 0°8 0°10 0°10 0°10 0°10 0°10 0°10 12°102'01 0°10 12°102'01 0°10 11°102'01 13°102'	-4.8m -0°39'46 0°39'11
asc. node morning max el  desc. node  morning set asc. node	7711 Dec 16 09:28 7711 Dec 30 07:02 7712 Jan 03 06:15 7712 Jan 24 08:10 7712 Feb 04 03:29 7712 Mar 02 01:21 7712 Mar 27 10:41 7712 Apr 20 00:13 7712 Apr 21 03:24 7712 Jun 08 16:46 7712 Jul 02 21:10 7712 Jul 27 02:38 7712 Jul 28 10:58 7712 Aug 10 22:54 7712 Aug 20 09:23 7712 Sep 04 02:22	19°M21'15 27°M04'41 0°ズ 18°ズ52'54 0°云 0°※ 0°光 28°光36'45 0°Y 0°級 0°Ⅱ 0°⑤ 0°Д 1°Д39'58 18°Д20'49 0°M	46°18'08 0°53'57	asc. node  desc. node  evening max el  greatest brilliancy retrograde evening set inferior conj minimum elong min. Earth dist.	7714 Jun 03 04:04 7714 Jun 16 01:01 7714 Jun 27 07:39 7714 Jul 21 17:04 7714 Aug 15 10:31 7714 Sep 09 16:06 7714 Oct 05 18:36 7714 Oct 05 17:53 7714 Nov 02 10:30 7714 Nov 15 06:51 7714 Dec 04 23:42 7714 Dec 24 19:23 7715 Jan 03 07:04 7715 Jan 17 23:48 7715 Jan 24 04:17 7715 Jan 24 05:48 7715 Jan 24 17:34 7715 Jan 26 18:46 7715 Jan 30 10:59	0°55 16°501'19 0°10 0°10 0°10 0°10 0°10 0°10 0°10 0°	-4.8m -0°39'46 0°39'11
asc. node  morning max el  desc. node  morning set asc. node  superior conj minimum elong	7711 Dec 16 09:28 7711 Dec 30 07:02 7712 Jan 03 06:15 7712 Jan 24 08:10 7712 Feb 04 03:29 7712 Mar 02 01:21 7712 Mar 27 10:41 7712 Apr 20 00:13 7712 Apr 21 03:24 7712 May 15 11:51 7712 Jun 08 16:46 7712 Jul 02 21:10 7712 Jul 27 02:38 7712 Jul 28 10:58 7712 Aug 10 22:54 7712 Aug 20 09:23 7712 Sep 04 02:22 7712 Sep 04 02:22	19°M21'15 27°M04'41 0° ₹ 18° ₹ 52'54 0° ₹ 0° ₹ 28° ₹ 36'45 0° ₹ 0° ₹ 0° ₹ 1° € 0° ₹ 1° € 18° €	46°18'08 0°53'57 0°53'35	asc. node  desc. node  evening max el  greatest brilliancy retrograde evening set inferior conj minimum elong min. Earth dist. asc. node morning rise	7714 Jun 03 04:04 7714 Jun 16 01:01 7714 Jun 27 07:39 7714 Jul 21 17:04 7714 Aug 15 10:31 7714 Sep 09 16:06 7714 Oct 05 18:36 7714 Nov 02 10:30 7714 Nov 15 06:51 7714 Dec 04 23:42 7714 Dec 24 19:23 7715 Jan 03 07:04 7715 Jan 17 23:48 7715 Jan 24 04:17 7715 Jan 24 07:34 7715 Jan 24 17:34 7715 Jan 26 18:46 7715 Jan 30 10:59 7715 Feb 02 11:58	0°55 16°501'19 0°10 0°10 0°10 0°10 0°10 0°10 0°10 0°	-4.8m -0°39'46 0°39'11
asc. node morning max el  desc. node  morning set asc. node	7711 Dec 16 09:28 7711 Dec 30 07:02 7712 Jan 03 06:15 7712 Jan 24 08:10 7712 Feb 04 03:29 7712 Mar 02 01:21 7712 Apr 20 00:13 7712 Apr 21 03:24 7712 May 15 11:51 7712 Jun 08 16:46 7712 Jul 02 21:10 7712 Jul 27 02:38 7712 Jul 28 10:58 7712 Aug 10 22:54 7712 Aug 20 09:23 7712 Sep 04 02:22 7712 Sep 04 02:22 7712 Sep 05 05:52	19°M21'15 27°M04'41 0°メ 18°メ752'54 0°る 0°※ 0°升 28°升36'45 0°Y 0°日 0°日 0°日 0°日 0°日 1°ん39'58 18°ん20'49 0°m 18°M08'46 17°M40'18 19°M33'34	46°18'08 0°53'57	asc. node  desc. node  evening max el  greatest brilliancy retrograde evening set inferior conj minimum elong min. Earth dist. asc. node morning rise  direct	7714 Jun 03 04:04 7714 Jun 16 01:01 7714 Jun 27 07:39 7714 Jul 21 17:04 7714 Aug 15 10:31 7714 Sep 09 16:06 7714 Oct 05 18:36 7714 Oct 05 17:53 7714 Nov 02 10:30 7714 Nov 15 06:51 7714 Dec 04 23:42 7714 Dec 24 19:23 7715 Jan 03 07:04 7715 Jan 17 23:48 7715 Jan 24 04:17 7715 Jan 24 05:48 7715 Jan 26 18:46 7715 Jan 30 10:59 7715 Feb 02 11:58 7715 Feb 14 01:54	0°50 16°501'19 0°10 0°10 0°10 0°10 0°20 0°11 0°27 0°37 0°37 12°3749'07 0°38 11°324'32 13°326'358 8°353'06 5°314'47 5°312'27 4°354'17 3°338'54 1°331'26 30°83 27°3717'10	-4.8m -0°39'46 0°39'11 0.27391 AU
asc. node  morning max el  desc. node  morning set asc. node  superior conj minimum elong	7711 Dec 16 09:28 7711 Dec 30 07:02 7712 Jan 03 06:15 7712 Jan 24 08:10 7712 Feb 04 03:29 7712 Mar 02 01:21 7712 Apr 20 00:13 7712 Apr 21 03:24 7712 May 15 11:51 7712 Jun 08 16:46 7712 Jul 02 21:10 7712 Jul 27 02:38 7712 Jul 28 10:58 7712 Aug 10 22:54 7712 Aug 20 09:23 7712 Sep 04 02:22 7712 Sep 04 02:22 7712 Sep 05 05:52 7712 Sep 13 17:08	19° M.21'15 27° M.04'41 0° ♂ 18° ♂ 52'54 0° ♂ 0° ※ 0° ℋ 28° ℋ 36'45 0° ♈ 0° ੴ 0° ℳ 1° ℳ 39'58 18° ℳ 20'49 0° 协 18° ዂ 08'46 17° ዂ 40'18 19° ዂ 33'34 0° 요	46°18'08 0°53'57 0°53'35	asc. node  desc. node  evening max el  greatest brilliancy retrograde evening set inferior conj minimum elong min. Earth dist. asc. node morning rise	7714 Jun 03 04:04 7714 Jun 16 01:01 7714 Jun 27 07:39 7714 Jul 21 17:04 7714 Aug 15 10:31 7714 Sep 09 16:06 7714 Oct 05 18:36 7714 Nov 02 10:30 7714 Nov 15 06:51 7714 Dec 04 23:42 7714 Dec 24 19:23 7715 Jan 03 07:04 7715 Jan 17 23:48 7715 Jan 24 04:17 7715 Jan 24 04:17 7715 Jan 24 05:48 7715 Jan 26 18:46 7715 Jan 30 10:59 7715 Feb 02 11:58 7715 Feb 14 01:54 7715 Feb 24 21:06	0°50 16°501'19 0°10 0°10 0°10 0°10 0°20 0°10 0°27 0°30 12°3749'07 0°30 11°324'32 13°320'358 8°353'06 5°314'47 5°312'27 4°354'17 3°38'54 1°331'26 30°10 29°327'36	-4.8m -0°39'46 0°39'11
asc. node morning max el  desc. node  morning set asc. node  superior conj minimum elong max. Earth dist.	7711 Dec 16 09:28 7711 Dec 30 07:02 7712 Jan 03 06:15 7712 Jan 24 08:10 7712 Feb 04 03:29 7712 Mar 02 01:21 7712 Apr 20 00:13 7712 Apr 21 03:24 7712 May 15 11:51 7712 Jun 08 16:46 7712 Jul 02 21:10 7712 Jul 27 02:38 7712 Jul 28 10:58 7712 Aug 10 22:54 7712 Aug 20 09:23 7712 Sep 04 02:22 7712 Sep 04 02:22 7712 Sep 05 05:52 7712 Sep 13 17:02 7712 Oct 08 01:33	19°M21'15 27°M04'41 0°メ 18°メ752'54 0°云 0°※ 0°升 28°升36'45 0°Y 0°島 0°別 1°の39'58 18°の20'49 0°順 18°M08'46 17°M40'18 19°M33'34 0°丘 0°M	46°18'08 0°53'57 0°53'35	asc. node  desc. node  evening max el  greatest brilliancy retrograde evening set inferior conj minimum elong min. Earth dist. asc. node morning rise  direct	7714 Jun 03 04:04 7714 Jun 16 01:01 7714 Jun 27 07:39 7714 Jul 21 17:04 7714 Aug 15 10:31 7714 Sep 09 16:06 7714 Oct 05 18:36 7714 Nov 02 10:30 7714 Nov 15 06:51 7714 Dec 04 23:42 7714 Dec 24 19:23 7715 Jan 03 07:04 7715 Jan 17 23:48 7715 Jan 24 04:17 7715 Jan 24 04:17 7715 Jan 24 05:48 7715 Jan 24 17:34 7715 Jan 26 18:46 7715 Feb 02 11:58 7715 Feb 14 01:54 7715 Feb 24 21:06 7715 Feb 26 05:07	0°50 16°501'19 0°10 0°10 0°10 0°10 0°20 0°10 0°27 0°30 12°3749'07 0°30 11°324'32 13°303'58 8°353'06 5°314'47 5°312'27 4°354'17 3°38'54 1°331'26 30°83 27°317'10 29°327'36 0°30	-4.8m -0°39'46 0°39'11 0.27391 AU
asc. node  morning max el  desc. node  morning set asc. node  superior conj minimum elong	7711 Dec 16 09:28 7711 Dec 30 07:02 7712 Jan 03 06:15 7712 Jan 24 08:10 7712 Feb 04 03:29 7712 Mar 02 01:21 7712 Mar 27 10:41 7712 Apr 20 00:13 7712 Apr 21 03:24 7712 Jun 08 16:46 7712 Jul 02 21:10 7712 Jul 27 02:38 7712 Jul 28 10:58 7712 Aug 10 22:54 7712 Aug 20 09:23 7712 Sep 04 02:22 7712 Sep 03 17:08 7712 Sep 13 17:02 7712 Oct 08 01:33 7712 Oct 10 11:53	19°M21'15 27°M04'41 0° ₹ 18° ₹ 52'54 0° ₹ 0° ₩ 28° ₩36'45 0° ₩ 0° ₩ 0° ₩ 1° №39'58 18° №20'49 0° № 18° №08'46 17° №40'18 19° №33'34 0° № 0° № 2° №59'28	46°18'08 0°53'57 0°53'35	asc. node  desc. node  evening max el greatest brilliancy retrograde evening set inferior conj minimum elong min. Earth dist. asc. node morning rise  direct greatest brilliancy	7714 Jun 03 04:04 7714 Jun 16 01:01 7714 Jun 27 07:39 7714 Jul 21 17:04 7714 Aug 15 10:31 7714 Sep 09 16:06 7714 Oct 05 18:36 7714 Oct 05 17:53 7714 Nov 02 10:30 7714 Nov 15 06:51 7714 Dec 04 23:42 7714 Dec 24 19:23 7715 Jan 03 07:04 7715 Jan 17 23:48 7715 Jan 24 04:17 7715 Jan 24 05:48 7715 Jan 24 17:34 7715 Jan 26 18:46 7715 Jan 30 10:59 7715 Feb 02 11:58 7715 Feb 14 01:54 7715 Feb 24 21:06 7715 Feb 26 05:07 7715 Apr 05 10:00	0°50 16°501'19 0°10 0°10 0°10 0°10 0°10 0°10 0°10 0°	-4.8m -0°39'46 0°39'11 0.27391 AU
asc. node morning max el  desc. node  morning set asc. node  superior conj minimum elong max. Earth dist.	7711 Dec 16 09:28 7711 Dec 30 07:02 7712 Jan 03 06:15 7712 Jan 24 08:10 7712 Feb 04 03:29 7712 Mar 02 01:21 7712 Mar 27 10:41 7712 Apr 20 00:13 7712 Apr 21 03:24 7712 Jun 08 16:46 7712 Jul 02 21:10 7712 Jul 02 21:10 7712 Jul 27 02:38 7712 Jul 28 10:58 7712 Aug 10 22:54 7712 Aug 20 09:23 7712 Sep 04 02:22 7712 Sep 03 17:08 7712 Sep 13 17:02 7712 Oct 08 01:33 7712 Oct 10 11:53 7712 Nov 01 11:31	19°M21'15 27°M04'41 0°ズ 18°ズ52'54 0°云 0°※ 0°升 28°升36'45 0°Y 0°公 0°3 0°3 1°339'58 18°320'49 0°顶 18°M08'46 17°M40'18 19°M33'34 0°丘 0°M 2°M、59'28 0°ズ	46°18'08 0°53'57 0°53'35	asc. node  desc. node  evening max el  greatest brilliancy retrograde evening set inferior conj minimum elong min. Earth dist. asc. node morning rise  direct	7714 Jun 03 04:04 7714 Jun 16 01:01 7714 Jun 27 07:39 7714 Jul 21 17:04 7714 Aug 15 10:31 7714 Sep 09 16:06 7714 Oct 05 18:36 7714 Oct 05 17:53 7714 Nov 02 10:30 7714 Nov 15 06:51 7714 Dec 04 23:42 7714 Dec 24 19:23 7715 Jan 03 07:04 7715 Jan 17 23:48 7715 Jan 24 04:17 7715 Jan 24 05:48 7715 Jan 24 17:34 7715 Jan 26 18:46 7715 Jan 30 10:59 7715 Feb 02 11:58 7715 Feb 14 01:54 7715 Feb 24 21:06 7715 Feb 26 05:07 7715 Apr 05 10:00 7715 Apr 05 13:48	0°50 16°501'19 0°10 0°10 0°10 0°10 0°10 0°10 0°10 0°	-4.8m -0°39'46 0°39'11 0.27391 AU
asc. node morning max el  desc. node  morning set asc. node  superior conj minimum elong max. Earth dist.	7711 Dec 16 09:28 7711 Dec 30 07:02 7712 Jan 03 06:15 7712 Jan 24 08:10 7712 Feb 04 03:29 7712 Mar 02 01:21 7712 Mar 27 10:41 7712 Apr 20 00:13 7712 Apr 21 03:24 7712 Jun 08 16:46 7712 Jul 02 21:10 7712 Jul 27 02:38 7712 Jul 28 10:58 7712 Aug 10 22:54 7712 Aug 20 09:23 7712 Sep 04 02:22 7712 Sep 03 17:08 7712 Sep 13 17:02 7712 Oct 08 01:33 7712 Oct 10 11:53	19°M21'15 27°M04'41 0° ₹ 18° ₹ 52'54 0° ₹ 0° ₩ 28° ₩36'45 0° ₩ 0° ₩ 0° ₩ 1° №39'58 18° №20'49 0° № 18° №08'46 17° №40'18 19° №33'34 0° № 0° № 2° №59'28	46°18'08 0°53'57 0°53'35	asc. node  desc. node  evening max el greatest brilliancy retrograde evening set inferior conj minimum elong min. Earth dist. asc. node morning rise  direct greatest brilliancy	7714 Jun 03 04:04 7714 Jun 16 01:01 7714 Jun 27 07:39 7714 Jul 21 17:04 7714 Aug 15 10:31 7714 Sep 09 16:06 7714 Oct 05 18:36 7714 Oct 05 17:53 7714 Nov 02 10:30 7714 Nov 15 06:51 7714 Dec 04 23:42 7714 Dec 24 19:23 7715 Jan 03 07:04 7715 Jan 17 23:48 7715 Jan 24 04:17 7715 Jan 24 05:48 7715 Jan 24 17:34 7715 Jan 26 18:46 7715 Jan 30 10:59 7715 Feb 02 11:58 7715 Feb 14 01:54 7715 Feb 24 21:06 7715 Feb 26 05:07 7715 Apr 05 10:00	0°50 16°501'19 0°10 0°10 0°10 0°10 0°10 0°10 0°10 0°	-4.8m -0°39'46 0°39'11 0.27391 AU

	7715 May 29 00:35	0° <b>႘</b>			7718 Feb 01 03:40	0° <b>Υ</b>	
	7715 Jun 23 02:02	0°II		asc. node	7718 Feb 23 06:19	18° <b>Υ</b> 32'26	
	7715 Jul 17 20:00	0°9		greatest brilliancy	7718 Mar 08 05:21	25° <b>Y</b> 25'52	-4.9m
	7715 Aug 11 11:05	$0^{\circ}\Omega$		retrograde	7718 Mar 18 03:12	27° <b>Y</b> °17'24	,
	7715 Sep 05 00:32	0° m/		evening set	7718 Apr 04 06:11	21° <b>Y</b> °35'54	
asc. node	7715 Sep 08 10:55	4° m) 12'05		inferior conj	7718 Apr 07 17:47	19° <b>Ƴ</b> 29'15	8°39'57
	7715 Sep 29 12:02	0∘ <del>⊽</del>		minimum elong	7718 Apr 07 10:36	19° <b>Ƴ</b> 40'17	8°39'09
morning set	7715 Oct 06 14:33	8° <b>£</b> 43'46		min. Earth dist.	7718 Apr 07 10:33	19° <b>Ƴ</b> 40′22	0.27024 AU
-	7715 Oct 23 21:19	0°M		morning rise	7718 Apr 10 15:06	17° <b>Ƴ</b> 43'57	
max. Earth dist.	7715 Nov 10 16:47	21°M58'13	1.73172 AU	direct	7718 Apr 28 08:18	11° <b>Y</b> '42'53	
				greatest brilliancy	7718 May 07 19:57	13° <b>Y</b> 25'37	-4.9m
superior conj	7715 Nov 12 02:43	23°M42'58	1°23'16		7718 Jun 02 11:10	0° <b>႘</b>	
minimum elong	7715 Nov 12 07:13	23°M56'53	1°23'19	desc. node	7718 Jun 15 00:16	11° <b>8</b> 36'37	
	7715 Nov 17 04:51	0° <b>∡</b> ¹		morning max el	7718 Jun 17 15:55	14° <b>8</b> 13'45	46°43'41
	7715 Dec 11 11:26	0°ප			7718 Jul 02 20:13	$\Pi$ $^{\circ}0$	
evening rise	7715 Dec 19 10:51	9° <b>る</b> 51'41			7718 Jul 29 18:32	0	
desc. node	7715 Dec 29 03:58	21° <b>る</b> 52'33			7718 Aug 24 14:37	$0$ ° $\Omega$	
	7716 Jan 04 17:31	0° <b>≈</b>			7718 Sep 18 22:09	0° <b>m</b> y	
	7716 Jan 28 22:58	0° <b>∀</b>		asc. node	7718 Oct 05 23:10	20° Mp 26'45	
	7716 Feb 22 04:04	0° <b>Υ</b>			7718 Oct 13 21:06	0∘ <b>⊽</b>	
	7716 Mar 17 10:41	0°8			7718 Nov 07 12:57	0°M₊	
	7716 Apr 10 23:01	$\Pi^{\circ 0}$			7718 Dec 01 23:08	0° <b>∡</b> ¹	
asc. node	7716 Apr 20 03:24	11° <b>Ⅱ</b> 05'38		morning set	7718 Dec 14 05:38	15° <b>₹</b> 09'21	
	7716 May 06 00:25	0°©			7718 Dec 26 05:16	0°る	
	7716 Jun 01 05:02	0° <b>Ω</b>		max. Earth dist.	7719 Jan 18 11:26	28°₹54'19	1.72132 AU
evening max el	7716 Jun 22 15:24	22° <b>Ω</b> 37'11	46°19'40		7719 Jan 19 08:32	0° <b>≈</b>	
1 - 1111	7716 Jun 30 07:18	0°M)	4.0		7710 1 21 07 42	20 26152	0010122
greatest brilliancy	7716 Jul 31 08:30	22° m 03'43	-4.8m	superior conj	7719 Jan 21 07:42	2°≈26'53	0°10'32
desc. node	7716 Aug 09 21:33	24° Mp 16'42		minimum elong	7719 Jan 21 10:15	2°≈34'50	0°10'30
retrograde	7716 Aug 11 10:41	24° Mp 19'32		behind sun begin	7719 Jan 20 15:21	1°≈36'00	
evening set	7716 Aug 27 01:04	19° Mp 36'27	0.28696 AU	behind sun end desc. node	7719 Jan 22 05:08	3°≈33'40 7°≈51'28	
min. Earth dist.	7716 Sep 01 05:56 7716 Sep 01 21:44	16° Mp 04'12		desc. node	7719 Jan 25 15:52 7719 Feb 12 09:30	/ ≈3128 0° <b>H</b>	
inferior conj minimum elong	7716 Sep 01 21:44 7716 Sep 01 12:10	16° Mp 19'10		evening rise	7719 Mar 01 23:10	21° <b>)</b> 59'09	
morning rise	7716 Sep 01 12:10 7716 Sep 06 23:37	10 mp 19 10 12° mp 58'58	5 10 55	evening rise	7719 Mar 08 08:40	21 <b>γ</b> (3909	
direct	7716 Sep 23 06:03	7° Mp 55'17			7719 Apr 01 07:14	%8 0°8	
greatest brilliancy	7716 Sep 23 00:03 7716 Oct 03 03:09	9° <b>m</b> 40'31	-4.7m		7719 Apr 01 07:14 7719 Apr 25 07:23	0°II	
greatest offinaley	7716 Nov 02 16:30	0ಂ <b>ರ</b>	1.7111	asc. node	7719 May 18 15:11	28° <b>∏</b> 55'18	
morning max el	7716 Nov 10 23:28	ა <b>—</b> 7° <b>ჲ</b> 39'59	45°42'50	use. Houe	7719 May 19 12:11	0°95	
asc. node	7716 Nov 30 21:18	27° <b>♀</b> 59'03			7719 Jun 13 01:22	$0^{\circ}\Omega$	
	7716 Dec 02 18:20	0°M			7719 Jul 08 04:18	0° m)	
	7716 Dec 29 11:28	0° <b>√</b>			7719 Aug 03 07:55	0° <u>ٽ</u>	
	7717 Jan 23 20:30	6°0			7719 Aug 31 19:16	0°M	
	7717 Feb 17 13:07	0° <b>≈</b>		evening max el	7719 Sep 02 10:11	1°M34'26	45°42'08
	7717 Mar 13 20:27	0° <b>)</b>		desc. node	7719 Sep 07 09:10	6°M15'33	
desc. node	7717 Mar 22 14:02	10° <b>)</b> 51′29		greatest brilliancy	7719 Oct 11 05:26	29°M43'50	-4.7m
	7717 Apr 06 22:13	$0$ ° $\Upsilon$			7719 Oct 12 00:54	0° <b>∡</b> ¹	
	7717 Apr 30 21:01	$8^{\circ}$ 0		retrograde	7719 Oct 21 05:07	1° <b>∡</b> ³31′21	
morning set	7717 May 14 07:42	16° <b>8</b> 51'45			7719 Oct 29 23:48	30°RM₊	
	7717 May 24 19:09	$\Pi$ $^{\circ}0$		evening set	7719 Nov 08 07:36	25°M23'04	
	7717 Jun 17 18:41	$0$ $\circ$		inferior conj	7719 Nov 11 15:42	23°M18'42	-8°24'27
				minimum elong	7719 Nov 11 20:18	23°M11'28	
superior conj	7717 Jun 22 23:11	6°528'28		min. Earth dist.	7719 Nov 12 02:31	23°M01'42	0.29003 AU
minimum elong	7717 Jun 23 09:08	6° <b>©</b> 59'30		morning rise	7719 Nov 15 08:56	21°M00'28	
max. Earth dist.	7717 Jun 26 07:57		1.72046 AU	direct	7719 Dec 03 04:57	15°M00'47	
	7717 Jul 11 20:51	$0^{\circ}\Omega$		greatest brilliancy	7719 Dec 14 00:30	17°M09'27	-4.8m
asc. node	7717 Jul 13 12:52	2° <b>Ω</b> 04'14		asc. node	7719 Dec 29 08:59	25°M53'51	
evening rise	7717 Jul 31 17:39	24° <b>Ω</b> 37'14			7720 Jan 03 17:08	0° 🗖	46016117
	7717 Aug 05 02:09	0° <b>™</b>		morning max el	7720 Jan 21 23:03	16° <b>∡</b> 736′56	46°16'17
	7717 Aug 29 10:57	0∘ <b>™</b>			7720 Feb 03 21:45	ිදුර ව°00	
	7717 Sep 23 00:15	0° <b>M</b> 0° <i>₹</i>			7720 Mar 01 15:55	0° <b>Ж</b>	
desc. node	7717 Oct 17 19:53 7717 Nov 02 06:20	0°×' 18° <i>×</i> 726'52		desc. node	7720 Mar 26 23:42 7720 Apr 19 02:18	0° <del>X</del> 28° <b>X</b> 05'36	
uese. Hout	7717 Nov 02 06:20 7717 Nov 12 00:17	0°る		acsc. Hout	7720 Apr 19 02:18 7720 Apr 20 15:37	28°π05'36 0°Υ	
	7717 Nov 12 00.17 7717 Dec 07 17:02	0°≈			7720 May 14 23:33	0° <b>8</b>	
	7718 Jan 03 07:04	0 <b>≈</b> 0° <b>∀</b>			7720 Jun 08 04:05	0°U	
evening max el	7718 Jan 26 19:40	24° <b>)</b> 47'36	46°42'20		7720 Jul 08 04:03	0ಂ <b>ತಾ</b>	
2. J 1110A CI	.,10001 20 17.70	2. 7(7/30	.0 .220		.,20041 02 00.12	~ <del>~</del>	

· .	7720 I I 26 02 20	200526100		. ,	7722 I 15 14 50	(020107	
morning set	7720 Jul 26 02:30	29° <b>5</b> 26'08		evening set	7723 Jan 15 14:58	6°≈32'27	1902122
1-	7720 Jul 26 13:27	0° <b>Ω</b>		inferior conj	7723 Jan 21 18:18	2°≈55'54	
asc. node	7720 Aug 10 00:45	17° <b>Ω</b> 53'20 0° <b>m</b>		minimum elong	7723 Jan 21 20:41 7723 Jan 22 08:39	2°≈52'15 2°≈33'48	0.27440 AU
	7720 Aug 19 20:04	V III		min. Earth dist. asc. node	7723 Jan 25 20:38	2 ≈33 48 0°≈26'43	0.27440 AU
superior conj	7720 Sep 01 19:21	16° Mp 00'17	0°51'21	asc. node	7723 Jan 26 15:05	0 ≈2043 30°Rる	
minimum elong	7720 Sep 01 19:21 7720 Sep 01 10:17	15° Mp 32'21	0°50'57	morning rise	7723 Jan 28 01:33	30 KO 29° <b>ろ</b> 11'56	
max. Earth dist.	7720 Sep 03 01:16	17° m/32'33	1.73176 AU	direct	7723 Feb 11 16:11	29 <b>3</b> 11 30 24° <b>3</b> 57'12	
max. Larm dist.	7720 Sep 03 01:10 7720 Sep 13 03:41	17 m/32 33 0° <b>Ω</b>	1.75170 AC	greatest brilliancy	7723 Feb 22 13:09	27°る09'31	-4 9m
	7720 Sep 13 03:41 7720 Oct 07 12:13	0° <b>m</b> .		greatest offinaley	7723 Feb 28 13:41	27 <b>⊙</b> 0731	-4.7111
evening rise	7720 Oct 07 12:13	0°M53'32		morning max el	7723 Apr 03 04:36	0 ~ 27°≈50'08	46°56'16
evening 1130	7720 Oct 30 03:37	0° 📈		morning max ci	7723 Apr 05 07:43	0° <b>\</b>	40 30 10
	7720 Oct 31 22:16 7720 Nov 25 10:43	ੁੰ≎			7723 May 02 20:43	0° <b>Υ</b>	
desc. node	7720 Nov 29 18:07	5° <b>る</b> 15'23		desc. node	7723 May 17 14:24	17° <b>Y</b> 02'24	
dese. Hode	7720 Dec 20 01:51	0°≈		dese. Hode	7723 May 28 14:10	0°8	
	7721 Jan 13 20:07	0° <b>)</b> €			7723 Jun 22 14:26	0°II	
	7721 Feb 07 19:48	0° <b>Υ</b>			7723 Jul 17 07:41	0 . ಅ	
	7721 Mar 05 08:20	0°8			7723 Aug 10 22:16	$0^{\circ}\Omega$	
asc. node	7721 Mar 22 17:49	19° <b>8</b> 40'29			7723 Sep 04 11:21	0° <b>m</b> )	
	7721 Apr 01 06:42	0°П		asc. node	7723 Sep 07 12:59	3° m/45'22	
evening max el	7721 Apr 09 17:56	8° <b>Ⅱ</b> 46'50	47°00'00		7723 Sep 28 22:37	$0$ $\circ$ $\overline{\mathbf{v}}$	
S	7721 May 03 07:34	0°©		morning set	7723 Oct 04 07:40	6° <b>£</b> 36′26	
greatest brilliancy	7721 May 19 23:49	9° <b>©</b> 42'53	-4.9m	C	7723 Oct 23 07:47	0°M	
retrograde	7721 May 30 05:59	11° <b>©</b> 41'15		max. Earth dist.	7723 Nov 08 13:18	20°M01'05	1.73193 AU
evening set	7721 Jun 15 05:48	6°9541'49					
inferior conj	7721 Jun 20 03:53	3°5643'19	5°18'13	superior conj	7723 Nov 09 20:04	21°M36'01	1°24'01
minimum elong	7721 Jun 20 14:02	3°527'36	5°15'28	minimum elong	7723 Nov 09 23:55	21°M47'56	1°24'05
min. Earth dist.	7721 Jun 20 02:26	3°545'35	0.27485 AU		7723 Nov 16 15:19	0° <b>∡</b> ¹	
morning rise	7721 Jun 25 22:38	0° <b>5</b> 16'47			7723 Dec 10 22:01	0°ರ	
	7721 Jun 26 11:01	30° <b>Ŗ</b> Ⅱ		evening rise	7723 Dec 17 02:35	7° <b>る</b> 39'09	
direct	7721 Jul 11 00:29	25° <b>Ⅱ</b> 51'44		desc. node	7723 Dec 28 05:52	21° <b>る</b> 25'23	
desc. node	7721 Jul 12 11:49	25° <b>Ⅲ</b> 54′16			7724 Jan 04 04:16	0° <b>≈</b>	
greatest brilliancy	7721 Jul 20 19:22	27° <b>Ⅲ</b> 37'33	-4.8m		7724 Jan 28 09:55	0° <b>∀</b>	
	7721 Jul 26 09:05	$0$ $\circ$ $\odot$			7724 Feb 21 15:19	$0^{\circ}\mathbf{\Upsilon}$	
morning max el	7721 Aug 29 05:25	26° <b>©</b> 27'33	45°57'53		7724 Mar 16 22:23	$9^{\circ}$ 8	
	7721 Sep 01 20:28	$0$ $^{\circ}\Omega$			7724 Apr 10 11:28	$\Pi^{\circ}0$	
	7721 Sep 30 08:54	O° Mp		asc. node	7724 Apr 19 05:27	10° <b>∏</b> 33′21	
	7721 Oct 26 21:05	0∘ <b>ত</b>			7724 May 05 14:10	$0$ $\circ$ $\odot$	
asc. node	7721 Nov 02 11:18	7° <b>≏</b> 39'58			7724 May 31 21:37	$0^{\circ}\Omega$	
	7721 Nov 21 09:16	0°M₊		evening max el	7724 Jun 20 07:11	20° <b>Ω</b> 23'35	46°21'22
	7721 Dec 16 06:26	0° <b>∡</b>			7724 Jun 30 09:09	0° <b>m</b> ∕	
	7722 Jan 09 17:51	0°ರ		greatest brilliancy	7724 Jul 28 23:40	19° <b>m</b> 50'53	-4.8m
	7722 Feb 02 23:01	0° <b>≈</b>		desc. node	7724 Aug 08 23:35	22° <b>m</b> 07'57	
desc. node	7722 Feb 22 03:51	23°≈56'40		retrograde	7724 Aug 09 03:18	22° m 07'58	
morning set	7722 Feb 24 10:05	26°≈46'13		evening set	7724 Aug 24 14:45	17° <b>m</b> 27'49	
	7722 Feb 27 00:02	0° <b>∀</b>		min. Earth dist.	7724 Aug 29 21:13	14° Mp 18'12	
n dr.	7722 Mar 22 22:09	0°Υ	1.71204.444	inferior conj	7724 Aug 30 13:26	13° m 52'54	
max. Earth dist.	7722 Apr 05 15:09	17° <b>Ƴ</b> 14'08	1.71204 AU	minimum elong	7724 Aug 30 04:07	14° Mp 07'26	4-54-01
	7722 4 06 06:25	1000002141	1921140	morning rise	7724 Sep 04 17:56	10° Mp 44'21	
superior conj minimum elong	7722 Apr 06 06:35 7722 Apr 05 22:20	18° <b>Y</b> 02'41 17° <b>Y</b> 36'43		direct greatest brilliancy	7724 Sep 20 21:33 7724 Sep 30 17:55	5° Mp 44'36 7° Mp 29'37	17m
minimum ciong	7722 Apr 15 18:43	0° <b>8</b>	1 21 33	greatest billiancy	7724 Nov 02 18:01	ე∘ <b>亞</b>	-4./111
	7722 May 09 15:36	0°II		morning max el	7724 Nov 08 15:41	0 <b>==</b> 5° <b>£</b> 31'04	45°42'27
evening rise	7722 May 16 21:43	9° <b>Ⅱ</b> 05'44		asc. node	7724 Nov 29 23:15	27° <b>£</b> 19'57	43 42 21
evening rise	7722 May 16 21.43 7722 Jun 02 14:57	9 <b>п</b> 03 44		asc. node	7724 Nov 29 23:13 7724 Dec 02 10:29	2/ <b>=</b> 193/ 0° <b>M</b>	
asc. node	7722 Jun 15 02:54	15° <b>©</b> 33'16			7724 Dec 29 00:50	0° <b>⊼</b> 7	
asc. node	7722 Jun 26 18:39	0° <b>Ω</b>			7724 Dec 29 00:30 7725 Jan 23 08:39	°ਤ ਹ`ਤ	
	7722 Jul 20 18:39 7722 Jul 21 04:19	0°m)			7725 Feb 17 00:38	0°≈	
	7722 Aug 14 22:13	0° <b>ت</b> راآا			7725 Mar 13 07:35	0 <b>≈</b> 0° <b>H</b>	
	7722 Sep 09 04:42	0° <b>M</b>		desc. node	7725 Mar 21 16:07	10° <b>∺</b> 23'32	
desc. node	7722 Sep 07 04:42 7722 Oct 04 20:41	29°M27'25		acco. node	7725 Apr 06 09:07	0° <b>Υ</b>	
acce. node	7722 Oct 04 20:41 7722 Oct 05 08:19	0° <b>x</b> <sup>7</sup>			7725 Apr 30 07:45	%8 0°8	
	7722 Oct 03 05:19 7722 Nov 02 05:24	∘ੰਤ		morning set	7725 May 11 19:28	14° <b>8</b> 24'37	
evening max el	7722 Nov 12 20:28	10°る32'07	45°53'16		7725 May 24 05:48	0°Ⅱ	
<i>3</i> 2-	7722 Dec 05 15:54	0°≈			7725 Jun 17 05:16	0°60	
greatest brilliancy	7722 Dec 22 09:18	9° <b>≈</b> 06'24	-4.8m				
retrograde	7722 Dec 31 20:46	10° <b>≈</b> 45'51		superior conj	7725 Jun 20 12:30	4° <b>©</b> 07'18	-0°50'24
· ·				. ,			

minimum elong	7725 Jun 20 22:53	4° <b>©</b> 39'40	0°50'06	greatest brilliancy	7727 Dec 11 16:03	14° <b>M</b> 58'04	-4.8m
max. Earth dist.	7725 Jun 23 22:14	8° <b>5</b> 22'11	1.72005 AU	asc. node	7727 Dec 28 10:54	24°M44'48	
	7725 Jul 11 07:25	$0^{\circ}\Omega$			7728 Jan 04 01:06	0° <b>∡</b>	
asc. node	7725 Jul 12 14:46	1° <b>Ω</b> 37'21		morning max el	7728 Jan 19 13:08	14° <b>₰</b> 19'05	46°14'39
evening rise	7725 Jul 29 09:22	22° <b>Ω</b> 24'44			7728 Feb 03 15:29	0°రె	
	7725 Aug 04 12:45	0° <b>™</b>			7728 Mar 01 06:11	0° <b>≈</b>	
	7725 Aug 28 21:41	0∘ <b>⊽</b>			7728 Mar 26 12:30	0° <b>)</b> €	
	7725 Sep 22 11:16	0° <b>M</b> ₊		desc. node	7728 Apr 18 04:13	27° <b>) (</b> 34'29	
	7725 Oct 17 07:25	0° <b>⊼</b>			7728 Apr 20 03:38	$0$ ° $\Upsilon$	
desc. node	7725 Nov 01 08:20	17° <b>₹</b> 57'17			7728 May 14 11:05	$9^{\circ}$ 8	
	7725 Nov 11 12:40	0°ಕ			7728 Jun 07 15:15	$\Pi$ °0	
	7725 Dec 07 06:56	0° <b>≈</b>			7728 Jul 01 19:05	0	
	7726 Jan 03 00:01	0° <b>∀</b>		morning set	7728 Jul 23 18:14	27° <b>©</b> 13'16	
evening max el	7726 Jan 24 10:37	22° <b>)</b> 28'46	46°40'48		7728 Jul 26 00:08	$0$ $^{\circ}\Omega$	
	7726 Feb 01 05:35	0° <b>Υ</b>		asc. node	7728 Aug 09 02:50	17° <b>Ω</b> 26′59	
asc. node	7726 Feb 22 08:25	17° <b>Y</b> 08'54			7728 Aug 19 06:38	0° <b>m</b>	
greatest brilliancy	7726 Mar 05 17:49	22° <b>Y</b> 59'54	-4.9m				
retrograde	7726 Mar 15 16:20	24°Y51'30		superior conj	7728 Aug 30 12:31	13° <b>m</b> 52'46	0°48'40
evening set	7726 Apr 01 14:40	19°Υ16'55	0001100	minimum elong	7728 Aug 30 03:41	13° Mp 25'31	0°48'16
inferior conj	7726 Apr 05 06:33	17° <b>Υ</b> 03'46	8°31'30	max. Earth dist.	7728 Aug 31 19:54	15° Tp 29'33	1.73153 AU
minimum elong	7726 Apr 04 22:38	17°Υ15'55	8°30'31		7728 Sep 12 14:13	0° <b>⊽</b>	
min. Earth dist.	7726 Apr 04 22:54	17°Υ15'31	0.27008 AU	evening rise	7728 Oct 05 23:28	28° <b>Ω</b> 48'07	
morning rise	7726 Apr 08 06:43	15° <b>Y</b> 14'07			7728 Oct 06 22:50	0°M	
direct	7726 Apr 25 21:36	9° <b>Υ</b> 17'48	4.0		7728 Oct 31 09:07	0° <b>⊼</b>	
greatest brilliancy	7726 May 05 08:21	10° <b>Y</b> 59'53	-4.9m		7728 Nov 24 21:51	0°る	
	7726 Jun 02 17:49	0° <b>8</b>		desc. node	7728 Nov 28 19:59	4° <b>る</b> 46'55	
desc. node	7726 Jun 14 02:08	10° <b>8</b> 43'50	46044150		7728 Dec 19 13:28	0° <b>≈</b>	
morning max el	7726 Jun 15 05:23	11° <b>8</b> 51'30	46°44'58		7729 Jan 13 08:26	0° <b>Υ</b> 0° <b>Υ</b>	
	7726 Jul 02 14:08	0° <b>Ⅱ</b>			7729 Feb 07 09:11		
	7726 Jul 29 08:51	0° <b>©</b>		1	7729 Mar 04 23:41	0°8	
	7726 Aug 24 03:15	0° <b>N</b>		asc. node	7729 Mar 21 19:50	18° <b>႘</b> 57'16 0°Ⅱ	
asa mada	7726 Sep 18 09:50	0° Mp 19° Mp 58′40		arranina marral	7729 Apr 01 02:41	6° <b>П</b> 21'14	47900127
asc. node	7726 Oct 05 01:08 7726 Oct 13 08:14	0° <b>⊡</b>		evening max el	7729 Apr 07 06:41	0°Щ21°14 0° <b>©</b>	4/*002/
	7726 Nov 06 23:46	0°M		greatest brilliancy	7729 May 04 03:44 7729 May 17 15:38	0 ⊛ 7° <b>©</b> 23'07	-4.9m
	7726 Dec 01 09:47	0°11℃ 0° <b>√</b> 7		retrograde	7729 May 27 19:40	9° <b>9</b> 20'06	-4.9111
morning set	7726 Dec 11 21:52	12° <b>∡</b> 58′25		evening set	7729 Jun 12 22:52	4° <b>©</b> 16'25	
morning set	7726 Dec 25 15:51	12 × 36 23		inferior conj	7729 Jun 17 17:46	1°922'47	5°36'56
max. Earth dist.	7727 Jan 15 23:14		1.72175 AU	minimum elong	7729 Jun 18 04:13	1°906'37	
max. Lattii dist.	//2/ Jan 15 25.14	20 02041	1.72173 AO	min. Earth dist.	7729 Jun 17 17:12	1° <b>9</b> 23'41	0.27460 AU
superior conj	7727 Jan 18 21:26	0° <b>≈</b> 07'09	0°14'08	mm. Lartii dist.	7729 Jun 19 23:31	30°RⅡ	0.27400 AC
minimum elong	7727 Jan 19 00:49	0°≈17'40	0°14'05	morning rise	7729 Jun 23 09:49	27° <b>I</b> I59'50	
behind sun begin	7727 Jan 18 12:45	29° <b>る</b> 40'07	0 1105	direct	7729 Jul 08 13:21	23° <b>I</b> [31'18	
behind sun end	7727 Jan 19 12:52	0°≈55'13		desc. node	7729 Jul 11 13:50	23° <b>I</b> [41'53	
	7727 Jan 18 19:08	0° <b>≈</b>		greatest brilliancy	7729 Jul 18 09:30	25° <b>Ⅱ</b> 18'01	-4.8m
desc. node	7727 Jan 24 17:49	7°≈24'24		8	7729 Jul 28 04:19	0.2 	
	7727 Feb 11 20:12	0° <b>)</b> €		morning max el	7729 Aug 26 19:15	24°909'51	45°59'22
evening rise	7727 Feb 27 11:20	19° <b>)</b> 33′08		C	7729 Sep 01 17:35	$0^{\circ}\Omega$	
C	7727 Mar 07 19:31	$0^{\circ}\mathbf{\Upsilon}$			7729 Sep 30 00:11	0° <b>m</b>	
	7727 Mar 31 18:12	0°8			7729 Oct 26 10:08	0∘ <b>⊽</b>	
	7727 Apr 24 18:32	$\Pi^{\circ}0$		asc. node	7729 Nov 01 13:15	7° <b>ჲ</b> 08'31	
asc. node	7727 May 17 17:05	28° <b>Ⅱ</b> 25'57			7729 Nov 20 21:15	0°M	
	7727 May 18 23:38	0ಂತಾ			7729 Dec 15 17:51	0° <b>≯</b> ¹	
	7727 Jun 12 13:20	$0^{\circ}\Omega$			7730 Jan 09 04:59	0°ප	
	7727 Jul 07 17:18	0° <b>m</b>			7730 Feb 02 10:02	0° <b>≈</b>	
	7727 Aug 02 23:09	0∘ <b>ত</b>		desc. node	7730 Feb 21 05:58	23° <b>≈</b> 28'57	
evening max el	7727 Aug 31 01:15	29° <b>≙</b> 22'07	45°42'31	morning set	7730 Feb 21 21:44	24° <b>≈</b> 18′17	
	7727 Aug 31 16:58	0°M			7730 Feb 26 10:59	0° <b>)</b> €	
desc. node	7727 Sep 06 11:13	5°M23'59			7730 Mar 22 09:05	$0$ ° $\Upsilon$	
greatest brilliancy	7727 Oct 08 20:41	27°M33'55	-4.7m	max. Earth dist.	7730 Apr 02 20:59	14° <b>Y</b> 27'13	1.71214 AU
retrograde	7727 Oct 18 20:12	29°M21'36					
evening set	7727 Nov 06 00:33	23°M11'40		superior conj	7730 Apr 03 17:22	15° <b>Y</b> 31'18	-1°20'08
inferior conj	7727 Nov 09 07:45	21°M08'33	-8°28'31	minimum elong	7730 Apr 03 08:20	15° <b>Y</b> 02'53	1°19'59
minimum elong	7727 Nov 09 11:37	21°M02'28	8°28'13		7730 Apr 15 05:38	$9^{\circ}$ 8	
min. Earth dist.	7727 Nov 09 17:45	20°M52'49	0.29034 AU		7730 May 09 02:33	$\Pi$ °0	
morning rise	7727 Nov 12 22:34	18°M53'42		evening rise	7730 May 14 08:34	6° <b>Ⅱ</b> 34'59	
direct	7727 Nov 30 20:59	12°M50'29			7730 Jun 02 02:00	0	

asc. node	7730 Jun 14 04:52	15° <b>©</b> 04'57			7732 Dec 28 14:25	0° <b>∡</b> 7	
	7730 Jun 26 05:50	$0^{\circ}\Omega$			7733 Jan 22 21:06	6°0	
	7730 Jul 20 15:45	0° <b>m</b>			7733 Feb 16 12:31	0° <b>≈</b>	
	7730 Aug 14 10:08	0∘ <u>⊽</u>			7733 Mar 12 19:09	0° <b>)</b> €	
	7730 Sep 08 17:33	0°M		desc. node	7733 Mar 20 18:02	9° <b>)</b> 53'45	
desc. node	7730 Oct 03 22:40	28°ML51'48		dese. Hode	7733 Apr 05 20:29	0° <b>Υ</b>	
desc. Hode	7730 Oct 03 22:40 7730 Oct 04 23:07	0°×7			7733 Apr 29 18:59	0°8	
		0°ろ			*		
	7730 Nov 02 01:06		45052100	morning set	7733 May 09 06:41	11° <b>8</b> 54'11	
evening max el	7730 Nov 10 10:38	8°₹15'58	45°52'00		7733 May 23 16:56	0° <b>Ⅱ</b>	
	7730 Dec 06 14:27	0° <b>≈</b>			7733 Jun 16 16:18	0ಂತಾ	
greatest brilliancy	7730 Dec 19 22:25	6° <b>≈</b> 46′24	-4.8m			_	
retrograde	7730 Dec 29 10:36	8° <b>≈</b> 26'17		superior conj	7733 Jun 18 01:23	1° <b>©</b> 43'18	
evening set	7731 Jan 13 06:09	4°≈10′10		minimum elong	7733 Jun 18 12:06	2°©16'44	
inferior conj	7731 Jan 19 08:07	0° <b>≈</b> 35'23	-1°25'02	max. Earth dist.	7733 Jun 21 13:58		1.71957 AU
minimum elong	7731 Jan 19 11:20	0° <b>≈</b> 30′26	1°23'55		7733 Jul 10 18:23	$0 {\circ} \Omega$	
min. Earth dist.	7731 Jan 19 23:13	0° <b>≈</b> 12'09	0.27494 AU	asc. node	7733 Jul 11 16:49	1° <b>Ω</b> 09'41	
	7731 Jan 20 07:07	30°Ŗる		evening rise	7733 Jul 27 00:51	20° <b>Ω</b> 10′13	
asc. node	7731 Jan 24 22:47	27° <b>る</b> 14'27			7733 Aug 03 23:44	0° <b>m</b> y	
morning rise	7731 Jan 25 15:43	26° <b>ප්</b> 51'10			7733 Aug 28 08:49	0∘ <b>ত</b>	
direct	7731 Feb 09 06:57	22° <b>る</b> 35'42			7733 Sep 21 22:42	$0^{\circ}$ M.	
greatest brilliancy	7731 Feb 20 04:37	24° <b>る</b> 49'18	-4.9m		7733 Oct 16 19:21	0° <b>∡</b> ¹	
	7731 Mar 02 02:50	0° <b>≈</b>		desc. node	7733 Oct 31 10:15	17° <b>∡</b> ¹26'13	
morning max el	7731 Mar 31 19:53	25°≈30'48	46°55'37		7733 Nov 11 01:29	0°రె	
C	7731 Apr 05 05:07	0° <b>∀</b>			7733 Dec 06 21:19	0° <b>≈</b>	
	7731 May 02 12:38	$0^{\circ}\mathbf{\Upsilon}$			7734 Jan 02 17:40	0° <b>∀</b>	
desc. node	7731 May 16 16:22	16° <b>Y</b> 25'36		evening max el	7734 Jan 22 00:42	20° <b>)</b> €06'50	46°39'03
	7731 May 28 03:53	0°8		<i>5</i>	7734 Feb 01 09:29	$_{0}$ ° $\gamma$	
	7731 Jun 22 03:01	0°II		asc. node	7734 Feb 21 10:21	15° <b>Y</b> 40'53	
	7731 Jul 16 19:35	0°9		greatest brilliancy	7734 Mar 03 06:40	20° <b>Υ</b> 33'05	-4.9m
	7731 Aug 10 09:41	$0^{\circ}\Omega$		retrograde	7734 Mar 13 04:49	22° <b>Υ</b> 24'04	1.5111
	7731 Sep 03 22:26	0° <b>m</b>		evening set	7734 Mar 29 22:57	16° <b>Υ</b> 56'39	
asc. node	7731 Sep 03 22:20 7731 Sep 06 14:58	3° mp 17'38		inferior conj	7734 Apr 02 19:15	14° <b>Υ</b> 36'49	8°21'56
asc. Houc	7731 Sep 00 14:38 7731 Sep 28 09:28	0∘ <b>ʊ</b>		minimum elong	*	14° <b>Υ</b> 50'00	8°20'45
mamina aat	7731 Sep 28 09.28 7731 Oct 02 01:03	0 <b>==</b> 4° <b>£</b> 29'05		min. Earth dist.	7734 Apr 02 10:42	14 <b>γ</b> 30 00	0.26997 AU
morning set	7731 Oct 02 01:03				7734 Apr 02 11:37	$14^{\circ}$ <b>Y</b> $48^{\circ}$ 34 $12^{\circ}$ <b>Y</b> $42^{\circ}$ 22	0.26997 AU
E d E d		0°M	1 72212 ATT	morning rise	7734 Apr 05 22:31		
max. Earth dist.	7731 Nov 06 10:49	18°11606'12	1.73212 AU	direct	7734 Apr 23 10:27	6°Υ51'03	4.0
		1007 20101	100.400	greatest brilliancy	7734 May 02 21:30	8° <b>Ƴ</b> 33'06	-4.9m
superior conj	7731 Nov 07 13:39		1°24'38		7734 Jun 02 23:07	0° <b>8</b>	
minimum elong	7731 Nov 07 16:51	19°M38'51	1°24'42	morning max el	7734 Jun 12 17:49	9° <b>8</b> 24'45	46°46'14
	7731 Nov 16 02:04	0° <b>∡</b> ¹		desc. node	7734 Jun 13 04:11	9° <b>8</b> 50'40	
	7731 Dec 10 08:54	0° <b>ろ</b>			7734 Jul 02 08:15	$\Pi^{\circ}0$	
evening rise	7731 Dec 14 18:28	5° <b>る</b> 26'12			7734 Jul 28 23:31	0ංම	
desc. node	7731 Dec 27 07:55	20° <b>る</b> 57'41			7734 Aug 23 16:14	$0^{\circ}\Omega$	
	7732 Jan 03 15:21	0° <b>≈</b>			7734 Sep 17 21:51	0° <b>m</b> y	
	7732 Jan 27 21:17	0° <b>∀</b>		asc. node	7734 Oct 04 03:01	19° <b>m</b> , 29'15	
	7732 Feb 21 03:02	$0^{\circ}\mathbf{\Upsilon}$			7734 Oct 12 19:41	0∘ <b>⊽</b>	
	7732 Mar 16 10:35	$9^{\circ}$ 8			7734 Nov 06 10:54	0°M₊	
	7732 Apr 10 00:25	$\Pi^{\circ}0$			7734 Nov 30 20:45	0°⊀	
asc. node	7732 Apr 18 07:20	9° <b>Ⅱ</b> 59'06		morning set	7734 Dec 09 14:27	10° <b>⊀</b> 47'31	
	7732 May 05 04:29	0			7734 Dec 25 02:45	0°₹	
	7732 May 31 14:56	$0 {\circ} \Omega$		max. Earth dist.	7735 Jan 13 12:08	24°る05'32	1.72219 AU
evening max el	7732 Jun 17 23:27	18° <b>Ω</b> 10′05	46°23'10				
	7732 Jun 30 12:59	0° <b>m</b> p		superior conj	7735 Jan 16 11:43	27° <b>ප්</b> 48'13	0°17'41
greatest brilliancy	7732 Jul 26 15:10	17° <b>m</b> 37'31	-4.8m	minimum elong	7735 Jan 16 15:53	28° <b>ට</b> 01'12	0°17'35
retrograde	7732 Aug 06 19:53	19° <b>m</b> 55'18			7735 Jan 18 06:03	0° <b>≈</b>	
desc. node	7732 Aug 08 01:41	19° <b>m</b> 53′27		desc. node	7735 Jan 23 19:54	6° <b>≈</b> 56'47	
evening set	7732 Aug 22 04:41	15° Mp 18'06			7735 Feb 11 07:12	0° <b>)</b> €	
min. Earth dist.	7732 Aug 27 12:30	12°Mp06'31	0.28607 AU	evening rise	7735 Feb 24 23:58	17° <b>)</b> €07'46	
inferior conj	7732 Aug 28 05:09	11° <b>m</b> 40'33		-	7735 Mar 07 06:39	$0^{\circ}\mathbf{\Upsilon}$	
minimum elong	7732 Aug 27 20:10	11° <b>m</b> 54'35			7735 Mar 31 05:31	0°8	
morning rise	7732 Sep 02 12:11	8° m 28'42			7735 Apr 24 06:04	0°Ⅲ	
direct	7732 Sep 18 13:28	3° m 33'02		asc. node	7735 May 16 19:04	27° <b>Ⅱ</b> 55'34	
greatest brilliancy	7732 Sep 28 08:20	5° m 17'15	-4.7m		7735 May 18 11:30	0ಂಣ	
5	7732 Nov 02 18:38	0∘ <b>⊽</b>			7735 Jun 12 01:47	$0^{\circ}\Omega$	
morning max el	7732 Nov 06 07:36	3° <b>ჲ</b> 20'34	45°42'08		7735 Jul 07 06:51	0° m/y	
asc. node	7732 Nov 29 01:12	26° <b>≏</b> 40'16			7735 Aug 02 15:05	0∘ <b>ಹ</b>	
	7732 Dec 02 02:41	0°M		evening max el	7735 Aug 28 15:28	27° <b>≏</b> 06'43	45°43'13
	02 02.11	- 110		- · · · · · · · · · · · · · · · · · · ·	11.05 20 10.20	00 15	

	7735 Aug 31 16:01	0°M.			7738 Feb 25 21:56	0° <b>)</b>	
desc. node	7735 Sep 05 13:09	4°M30'06			7738 Mar 21 20:00	$0^{\circ}$ Y	
greatest brilliancy	7735 Oct 06 11:54	25°M23'20	-4.7m	max. Earth dist.	7738 Mar 31 05:03	11° <b>Y</b> '47'20	1.71222 AU
retrograde	7735 Oct 16 11:38	27°M11'40					
evening set	7735 Nov 03 17:24	21°M00'13		superior conj	7738 Apr 01 04:18	13° <b>Y</b> ′00′27	
inferior conj	7735 Nov 06 23:58	18°M58'07		minimum elong	7738 Mar 31 18:34	12° <b>Y</b> 29'52	1°18'15
minimum elong min. Earth dist.	7735 Nov 07 03:06 7735 Nov 07 09:13	18°M53'12 18°M43'34	8°31'36 0.29061 AU		7738 Apr 14 16:32	0°B 0°B	
morning rise	7735 Nov 07 09:13	16°M46'22	0.29001 AU	evening rise	7738 May 08 13:27 7738 May 11 19:41	0 П 4°П05'15	
direct	7735 Nov 10 12:40	10°M39'45		evening rise	7738 Jun 01 12:57	0°95	
greatest brilliancy	7735 Dec 09 08:11		-4.8m	asc. node	7738 Jun 13 06:57	14° <b>©</b> 37'15	
asc. node	7735 Dec 27 13:01	23°M37'21			7738 Jun 25 16:56	$0^{\circ}\Omega$	
	7736 Jan 04 07:00	0°⊀			7738 Jul 20 03:07	0° <b>™</b>	
morning max el	7736 Jan 17 03:35	12° <b>∡</b> *01'36	46°13'10		7738 Aug 13 22:01	0∘ <b>⊽</b>	
	7736 Feb 03 09:02	0°ಕ			7738 Sep 08 06:26	$0^{\circ}$ M	
	7736 Feb 29 20:30	0° <b>≈</b>		desc. node	7738 Oct 03 00:35	28°M15'52	
	7736 Mar 26 01:24	0° <b>)</b> (°2102			7738 Oct 04 14:04	0° <b>∡</b> 7	
desc. node	7736 Apr 17 06:10	27° <b>米</b> 03'02 0° <b>⋎</b>		i1	7738 Nov 01 21:21 7738 Nov 08 01:44	0°중 6°중02'31	15050156
	7736 Apr 19 15:47 7736 May 13 22:45	0° <b>∀</b>		evening max el	7738 Nov 08 01:44 7738 Dec 07 21:14	0° <b>≈</b>	45°50'56
	7736 Jun 07 02:36	0°II		greatest brilliancy	7738 Dec 07 21:14 7738 Dec 17 11:38	0 ∞ 4°≈27'34	-4.8m
	7736 Jul 01 06:12	0°9		retrograde	7738 Dec 27 00:44	6°≈07'47	1.0111
morning set	7736 Jul 21 09:35	24°958'15		evening set	7739 Jan 10 21:46	1° <b>≈</b> 49'06	
	7736 Jul 25 11:05	$0^{\circ}\Omega$			7739 Jan 14 01:56	30°Ŗる	
asc. node	7736 Aug 08 04:48	16° <b>Ω</b> 59'28		inferior conj	7739 Jan 16 22:08	28° <b>る</b> 16'02	-1°47'19
	7736 Aug 18 17:28	0° <b>™</b>		minimum elong	7739 Jan 17 02:09	28° <b>る</b> 09'50	1°45'57
				min. Earth dist.	7739 Jan 17 13:38	27° <b>る</b> 52'09	0.27546 AU
superior conj	7736 Aug 28 05:21	11° mp 43'20	0°45'53	morning rise	7739 Jan 23 05:52	24°₹31'47	
minimum elong	7736 Aug 27 20:47	11° Mp 16'55	0°45'29	asc. node	7739 Jan 24 00:42	24°る06'45 20°る15'41	
max. Earth dist.	7736 Aug 29 12:58 7736 Sep 12 01:00	13° Mp 20′52 0° <u> </u>	1.73126 AU	direct greatest brilliancy	7739 Feb 06 22:10 7739 Feb 17 19:35	20° <b>ろ</b> 15′41 22° <b>ろ</b> 29′31	-4.9m
evening rise	7736 Oct 03 17:09	0 <b>==</b> 26° <b>£</b> 41'39		greatest orimancy	7739 Mar 03 04:32	0° <b>≈</b>	-4.7111
e vening rise	7736 Oct 06 09:39	0°M		morning max el	7739 Mar 29 11:21	23° <b>≈</b> 12'38	46°54'45
	7736 Oct 30 20:06	0° <b>∡</b> ¹		Č	7739 Apr 05 01:33	0° <b>)</b>	
	7736 Nov 24 09:10	ರ°0			7739 May 02 04:05	$0$ ° $\Upsilon$	
desc. node	7736 Nov 27 22:02	4° <b>ප</b> 18'35		desc. node	7739 May 15 18:20	15° <b>Y</b> 49'39	
	7736 Dec 19 01:17	0° <b>≈</b>			7739 May 27 17:18	$0^{\circ}$ 8	
	7737 Jan 12 20:58	0° <b>∀</b>			7739 Jun 21 15:20	0°Щ	
	7737 Feb 06 22:49	$^{\circ \gamma}$			7739 Jul 16 07:12	0°©	
asc. node	7737 Mar 04 15:20 7737 Mar 20 21:47	0°8 18°813'05			7739 Aug 09 20:50 7739 Sep 03 09:16	0° <b>№</b>	
asc. node	7737 Mar 20 21:47 7737 Mar 31 23:21	0° <b>Ⅱ</b>		asc. node	7739 Sep 03 09:16 7739 Sep 05 16:49	2° Mg 50'12	
evening max el	7737 Apr 04 19:36	3° <b>∏</b> 56′01	47°00'55	asc. node	7739 Sep 27 20:06	2 1 <b>1/</b> 30 12 0° <b>Ω</b>	
evening man er	7737 May 05 07:22	0.2 2	., 0022	morning set	7739 Sep 29 18:26	2° <b>ഫ</b> 22'22	
greatest brilliancy	7737 May 15 06:40	5° <b>5</b> 02'23	-4.9m	C	7739 Oct 22 05:04	$0^{\circ}$ M	
retrograde	7737 May 25 09:43	6° <b>9</b> 59'01		max. Earth dist.	7739 Nov 04 07:00	16° <b>M</b> 07'48	1.73228 AU
evening set	7737 Jun 10 15:59	1° <b>©</b> 50'35					
	7737 Jun 13 18:02	30°RⅡ		superior conj	7739 Nov 05 07:11		1°25'07
inferior conj	7737 Jun 15 07:39	29° <b>Ⅱ</b> 01'59		minimum elong	7739 Nov 05 09:40	17°M30'05	1°25'12
minimum elong	7737 Jun 15 18:20 7737 Jun 15 07:37	28°II45'29 29°II02'03	5°52'14 0.27441 AU		7739 Nov 15 12:39 7739 Dec 09 19:35	0°⋜	
min. Earth dist. morning rise	7737 Jun 20 20:52	25° <b>I</b> I43'09	0.27441 AU	evening rise	7739 Dec 12 10:13	3°る13'32	
direct	7737 Jul 06 02:29	21° <b>I</b> I10'28		desc. node	7739 Dec 26 09:54	20° <b>ට</b> 30'32	
desc. node	7737 Jul 10 15:55	21° <b>I</b> I34'26		desc. node	7740 Jan 03 02:12	0° <b>≈</b>	
greatest brilliancy	7737 Jul 15 23:26	22° <b>II</b> 58'03	-4.8m		7740 Jan 27 08:24	0° <b>∀</b>	
	7737 Jul 29 10:09	$0$ $\circ$ $\odot$			7740 Feb 20 14:31	$0^{\circ}$ Y	
morning max el	7737 Aug 24 10:02	21° <b>©</b> 53'56	46°00'47		7740 Mar 15 22:36	0°8	
	7737 Sep 01 14:09	$0^{\circ}\Omega$			7740 Apr 09 13:13	0°II	
	7737 Sep 29 15:24	0° <b>m</b>		asc. node	7740 Apr 17 09:21	9° <b>∏</b> 25'48	
ago m. J.	7737 Oct 25 23:12	0° <b>Ω</b> 6° <b>Ω</b> 27'00			7740 May 04 18:41	0° <b>⊙</b>	
asc. node	7737 Oct 31 15:14 7737 Nov 20 09:13	6° <b>≏</b> 37'00 0° <b>™</b>		evening max el	7740 May 31 08:19 7740 Jun 15 15:47	0° <b>Ω</b> 15° <b>Ω</b> 57'29	46°24'57
	7737 Nov 20 09:13 7737 Dec 15 05:15	0° <b>⊼</b> 1		evening max ei	7740 Jun 30 18:16	0° M)	TU 47 J/
	7738 Jan 08 16:06	0°ਤ		greatest brilliancy	7740 Jul 24 07:18	15° Mp 25'53	-4.8m
	7738 Feb 01 21:01	0° <b>≈</b>		retrograde	7740 Aug 04 12:11	17° <b>m</b> 43'30	
morning set	7738 Feb 19 09:39	21° <b>≈</b> 51'17		desc. node	7740 Aug 07 03:31	17° <b>m</b> 35'08	
desc. node	7738 Feb 20 07:49	23° <b>≈</b> 00′33		evening set	7740 Aug 19 18:51	13°M 09'23	

: E 4 E 4	7740 4 25 04 00	00 <b>m</b> 55142	0.20550 ATT		7742 F 1 00 10 00	140 1/40146	
min. Earth dist.	7740 Aug 25 04:00		0.28559 AU	evening rise	7743 Feb 22 12:23	14° <b>)</b> 42'46 0° <b>Υ</b>	
inferior conj	7740 Aug 25 20:53	9° Mp 29'20			7743 Mar 06 17:29		
minimum elong	7740 Aug 25 12:16	9° Mp 42'48	4-1933		7743 Mar 30 16:30	0°B 0°B	
morning rise	7740 Aug 31 06:20	6° Mp 14'10		1-	7743 Apr 23 17:16	0 П 27°П26'28	
direct	7740 Sep 16 05:27	1° Mp 22'47 3° Mp 05'52	4.7	asc. node	7743 May 15 21:07 7743 May 17 23:03	27° <b>П</b> 26'28	
greatest brilliancy	7740 Sep 25 22:44	ე∘ <u>ი</u>	-4./111		•	0°Ω 0 €3	
morning max el	7740 Nov 02 17:42 7740 Nov 03 22:40	0 <b>==</b> 1° <b>⊆</b> 08'59	45041144		7743 Jun 11 13:57 7743 Jul 06 20:10	0°Mp	
asc. node	7740 Nov 28 03:16	26° <b>£</b> 02'13	45 41 44		7743 Aug 02 06:53	0∘ <b>⊽</b>	
asc. node	7740 Dec 01 18:18	0°M		evening max el	7743 Aug 26 05:37	0 <b>=</b> 24° <b>£</b> 52'07	45°44'02
	7740 Dec 28 03:37	0° <b>⊼</b> 1		evening max er	7743 Aug 31 15:40	24 <b>=</b> 3207 0° <b>M</b>	43 44 02
	7740 Dec 28 03:37 7741 Jan 22 09:11	0°ਤ		desc. node	7743 Sep 04 15:10	3°M36'21	
	7741 Feb 16 00:01	0°≈		greatest brilliancy	7743 Oct 04 02:38	23°M13'17	-4.7m
	7741 Mar 12 06:19	0° <b>)</b> €		retrograde	7743 Oct 04 02:38 7743 Oct 14 03:27	25°M03'03	<del>-4</del> ./III
desc. node	7741 Mar 12 00:19	9° <b>₩</b> 25'08		evening set	7743 Nov 01 09:50	18°M50'24	
dese. Hode	7741 Apr 05 07:27	0° <b>Υ</b>		inferior conj	7743 Nov 04 16:10	16°M48'50	-8°34'16
	7741 Apr 29 05:50	0°8		minimum elong	7743 Nov 04 18:32	16°M45'07	
morning set	7741 May 06 17:48	9° <b>8</b> 24'35		min. Earth dist.	7743 Nov 05 00:26	16°M35'50	0.29087 AU
morning set	7741 May 00 17:48 7741 May 23 03:42	0°Ⅱ		morning rise	7743 Nov 08 03:05	14°M39'53	0.27007 AC
	7741 Way 25 05.42	υш		direct	7743 Nov 26 04:36	8°M30'10	
superior conj	7741 Jun 15 14:16	29° <b>Ⅱ</b> 20′18	-0°56'22	greatest brilliancy	7743 Nov 20 04:30 7743 Dec 07 00:15	10°M37'25	-4.8m
minimum elong	7741 Jun 16 01:15	29° <b>I</b> I54'35		asc. node	7743 Dec 26 14:56	22°M32'29	4.0111
minimum clong	7741 Jun 16 02:59	0°9	0 30 04	asc. node	7744 Jan 04 10:24	0° <b>√</b>	
max. Earth dist.	7741 Jun 19 04:50		1.71908 AU	morning max el	7744 Jan 14 18:36	9° <b>х</b> 46'50	46°11'35
max. Earth dist.	7741 Jul 10 05:00	0°Ω	1.71700710	morning max cr	7744 Feb 03 01:50	0°る	40 11 33
asc. node	7741 Jul 10 18:47	0° <b>Ω</b> 42'45			7744 Feb 29 10:22	0° <b>≈</b>	
evening rise	7741 Jul 24 16:14	17° <b>Ω</b> 56'23			7744 Mar 25 13:59	0° <b>∀</b>	
evening rise	7741 Aug 03 10:22	0° m		desc. node	7744 Apr 16 08:14	26° <b>)</b> 32'45	
	7741 Aug 03 10:22 7741 Aug 27 19:34	0∘ <del>ಹ</del>		dese. Hode	7744 Apr 19 03:39	0°Υ	
	7741 Sep 21 09:45	o° <b>m</b> .			7744 May 13 10:09	0°8	
	7741 Oct 16 06:56	0° <b>⊼</b> ¹			7744 Jun 06 13:40	0°II	
desc. node	7741 Oct 30 12:18	16° <b>₹</b> ¹56'36			7744 Jun 30 17:01	0°©	
dese. Hode	7741 Oct 30 12:10	0° <b>ਰ</b>		morning set	7744 Jul 19 00:40	22° <b>5</b> 43'13	
	7741 Dec 06 11:31	0° <b>≈</b>		morning sec	7744 Jul 24 21:43	0°Ω	
	7742 Jan 02 11:24	0° <b>)</b> €		asc. node	7744 Aug 07 06:40	16° <b>Ω</b> 32'34	
evening max el	7742 Jan 19 13:53	17° <b>)</b> (43'40	46°37'21	use. Houe	7744 Aug 18 04:00	0°m	
evening mun er	7742 Feb 01 14:51	0°Υ	.0 3 / 21		,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	ν .uχ	
asc. node	7742 Feb 20 12:18	14° <b>Υ</b> 10'44		superior conj	7744 Aug 25 21:59	9° <b>m</b> 34'11	0°43'01
greatest brilliancy	7742 Feb 28 20:00	18° <b>Y</b> 07'54	-4 9m	minimum elong	7744 Aug 25 13:45	9° m 08'45	0°42'37
retrograde	7742 Mar 10 16:59	19° <b>Y</b> 57'56	,	max. Earth dist.	7744 Aug 27 06:14	-	1.73102 AU
evening set	7742 Mar 27 07:12	14° <b>Υ</b> 37'38		man. Darin digi.	7744 Sep 11 11:30	0∘ <b>⊽</b>	1.,5102110
inferior conj	7742 Mar 31 08:01	12° <b>Υ</b> 11'13	8°11'21		7711.5 <b>c</b> p 11 11.50		
minimum elong	// .= :::a: 51 00:01			evening rise	7744 Oct 01 10:53	24° <b>₽</b> 36'09	
min. Earth dist.	7742 Mar 30 22:51			evening rise	7744 Oct 01 10:53	24° <b>£</b> 36′09	
	7742 Mar 30 22:51 7742 Mar 31 00:40	12° <b>Y</b> 25'20	8°09'59	evening rise	7744 Oct 05 20:13	0°M	
	7742 Mar 31 00:40	12° <b>Υ</b> 25'20 12° <b>Υ</b> 22'31		evening rise	7744 Oct 05 20:13 7744 Oct 30 06:49	0°M 0°⊀	
morning rise	7742 Mar 31 00:40 7742 Apr 03 14:33	12° <b>Y</b> 25'20	8°09'59	Ü	7744 Oct 05 20:13 7744 Oct 30 06:49 7744 Nov 23 20:12	0°₹ 0°₹	
morning rise direct	7742 Mar 31 00:40 7742 Apr 03 14:33 7742 Apr 20 22:46	12°Y25'20 12°Y22'31 10°Y11'45 4°Y25'26	8°09'59 0.26987 AU	desc. node	7744 Oct 05 20:13 7744 Oct 30 06:49 7744 Nov 23 20:12 7744 Nov 27 00:03	0°M 0°⊀	
morning rise	7742 Mar 31 00:40 7742 Apr 03 14:33 7742 Apr 20 22:46 7742 Apr 30 11:12	12° <b>Y</b> 25'20 12° <b>Y</b> 22'31 10° <b>Y</b> 11'45	8°09'59 0.26987 AU	Ü	7744 Oct 05 20:13 7744 Oct 30 06:49 7744 Nov 23 20:12 7744 Nov 27 00:03 7744 Dec 18 12:49	0°M 0°ダ 0°る 3°る50'57	
morning rise direct	7742 Mar 31 00:40 7742 Apr 03 14:33 7742 Apr 20 22:46 7742 Apr 30 11:12 7742 Jun 03 02:06	12°Y25'20 12°Y22'31 10°Y11'45 4°Y25'26 6°Y08'12	8°09'59 0.26987 AU -4.9m	Ü	7744 Oct 05 20:13 7744 Oct 30 06:49 7744 Nov 23 20:12 7744 Nov 27 00:03	0°M 0°ダ 0°G 3°G50'57 0°≈	
morning rise direct greatest brilliancy	7742 Mar 31 00:40 7742 Apr 03 14:33 7742 Apr 20 22:46 7742 Apr 30 11:12	12°Y25'20 12°Y22'31 10°Y11'45 4°Y25'26 6°Y08'12 0°8	8°09'59 0.26987 AU -4.9m	Ü	7744 Oct 05 20:13 7744 Oct 30 06:49 7744 Nov 23 20:12 7744 Nov 27 00:03 7744 Dec 18 12:49 7745 Jan 12 09:15	0°M 0°ダ 0°G 3°G50'57 0°≈ 0°H 0°Y	
morning rise direct greatest brilliancy morning max el	7742 Mar 31 00:40 7742 Apr 03 14:33 7742 Apr 20 22:46 7742 Apr 30 11:12 7742 Jun 03 02:06 7742 Jun 10 05:38	12°Y25'20 12°Y22'31 10°Y11'45 4°Y25'26 6°Y08'12 0°8 6°8'57'29 8°8'59'43	8°09'59 0.26987 AU -4.9m	Ü	7744 Oct 05 20:13 7744 Oct 30 06:49 7744 Nov 23 20:12 7744 Nov 27 00:03 7744 Dec 18 12:49 7745 Jan 12 09:15 7745 Feb 06 12:18	0°M 0°ダ 0°G 3°G50'57 0°≈ 0°H 0°Y 0°Y	
morning rise direct greatest brilliancy morning max el	7742 Mar 31 00:40 7742 Apr 03 14:33 7742 Apr 20 22:46 7742 Apr 30 11:12 7742 Jun 03 02:06 7742 Jun 10 05:38 7742 Jun 12 06:14	12°Y25'20 12°Y22'31 10°Y11'45 4°Y25'26 6°Y08'12 0°8 6°8'57'29	8°09'59 0.26987 AU -4.9m	desc. node	7744 Oct 05 20:13 7744 Oct 30 06:49 7744 Nov 23 20:12 7744 Nov 27 00:03 7744 Dec 18 12:49 7745 Jan 12 09:15 7745 Feb 06 12:18 7745 Mar 04 07:02	0°M 0°ダ 0°G 3°G50'57 0°≈ 0°H 0°Y	
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morning rise direct greatest brilliancy morning max el	7742 Mar 31 00:40 7742 Apr 03 14:33 7742 Apr 20 22:46 7742 Apr 30 11:12 7742 Jun 03 02:06 7742 Jun 10 05:38 7742 Jun 12 06:14 7742 Jul 02 01:31 7742 Jul 28 13:36 7742 Aug 23 04:45	12°Y25'20 12°Y22'31 10°Y11'45 4°Y25'26 6°Y08'12 0°8 6°857'29 8°859'43 0°II	8°09'59 0.26987 AU -4.9m	desc. node	7744 Oct 05 20:13 7744 Oct 30 06:49 7744 Nov 23 20:12 7744 Nov 27 00:03 7744 Dec 18 12:49 7745 Jan 12 09:15 7745 Feb 06 12:18 7745 Mar 04 07:02 7745 Mar 19 23:48 7745 Mar 31 20:39 7745 Apr 02 09:11	0°M 0°♂ 0°♂ 3°♂550'57 0°≈ 0°भ 0°Y 0°∀ 17°∀28'51 0°Ⅱ	47°01'15
morning rise direct greatest brilliancy morning max el	7742 Mar 31 00:40 7742 Apr 03 14:33 7742 Apr 20 22:46 7742 Apr 30 11:12 7742 Jun 03 02:06 7742 Jun 10 05:38 7742 Jun 12 06:14 7742 Jul 02 01:31 7742 Jul 28 13:36	12°Y25'20 12°Y22'31 10°Y11'45 4°Y25'26 6°Y08'12 0°B 6°857'29 8°859'43 0°II 0°S	8°09'59 0.26987 AU -4.9m	desc. node	7744 Oct 05 20:13 7744 Oct 30 06:49 7744 Nov 23 20:12 7744 Nov 27 00:03 7744 Dec 18 12:49 7745 Jan 12 09:15 7745 Feb 06 12:18 7745 Mar 04 07:02 7745 Mar 19 23:48 7745 Mar 31 20:39	0°M 0°♂ 0°♂ 3°♂50'57 0°≈ 0°升 0°Y 0°8 17°828'51 0°Ⅲ 1°Ⅲ32'47	47°01'15
morning rise direct greatest brilliancy morning max el desc. node	7742 Mar 31 00:40 7742 Apr 03 14:33 7742 Apr 20 22:46 7742 Apr 30 11:12 7742 Jun 03 02:06 7742 Jun 10 05:38 7742 Jun 12 06:14 7742 Jul 02 01:31 7742 Jul 28 13:36 7742 Aug 23 04:45 7742 Sep 17 09:27	12°Y25'20 12°Y22'31 10°Y11'45 4°Y25'26 6°Y08'12 0°B 6°857'29 8°859'43 0°I 0°S 0°A	8°09'59 0.26987 AU -4.9m	desc. node asc. node evening max el	7744 Oct 05 20:13 7744 Oct 30 06:49 7744 Nov 23 20:12 7744 Nov 27 00:03 7744 Dec 18 12:49 7745 Jan 12 09:15 7745 Feb 06 12:18 7745 Mar 04 07:02 7745 Mar 19 23:48 7745 Mar 31 20:39 7745 Apr 02 09:11 7745 May 06 23:13	0°M 0°ダ 0°5 3°550'57 0°≈ 0°¥ 0°Y 0°8 17°828'51 0°II 1°II32'47 0°©	
morning rise direct greatest brilliancy morning max el desc. node	7742 Mar 31 00:40 7742 Apr 03 14:33 7742 Apr 20 22:46 7742 Apr 30 11:12 7742 Jun 03 02:06 7742 Jun 10 05:38 7742 Jun 12 06:14 7742 Jul 02 01:31 7742 Jul 28 13:36 7742 Aug 23 04:45 7742 Sep 17 09:27 7742 Oct 03 05:05	12°Y25'20 12°Y22'31 10°Y11'45 4°Y25'26 6°Y08'12 0°B 6°B57'29 8°B59'43 0°用 0°の 0°の 0°の 19°™01'37	8°09'59 0.26987 AU -4.9m	desc. node asc. node evening max el greatest brilliancy	7744 Oct 05 20:13 7744 Oct 30 06:49 7744 Nov 23 20:12 7744 Nov 27 00:03 7744 Dec 18 12:49 7745 Jan 12 09:15 7745 Feb 06 12:18 7745 Mar 04 07:02 7745 Mar 19 23:48 7745 Mar 31 20:39 7745 Apr 02 09:11 7745 May 06 23:13 7745 May 12 20:59	0°M 0°ダ 0°5 3°550'57 0°≈ 0°¥ 0°Y 0°B 17°828'51 0°I 1°I32'47 0°© 2°©40'29	
morning rise direct greatest brilliancy morning max el desc. node	7742 Mar 31 00:40 7742 Apr 03 14:33 7742 Apr 20 22:46 7742 Apr 30 11:12 7742 Jun 03 02:06 7742 Jun 10 05:38 7742 Jun 12 06:14 7742 Jul 02 01:31 7742 Jul 28 13:36 7742 Aug 23 04:45 7742 Sep 17 09:27 7742 Oct 03 05:05 7742 Oct 12 06:43	12°Y25'20 12°Y22'31 10°Y11'45 4°Y25'26 6°Y08'12 0°8 6°857'29 8°859'43 0°II 0°© 0°A 0°ID 19°ID01'37 0°©	8°09'59 0.26987 AU -4.9m	desc. node asc. node evening max el greatest brilliancy	7744 Oct 05 20:13 7744 Oct 30 06:49 7744 Nov 23 20:12 7744 Nov 27 00:03 7744 Dec 18 12:49 7745 Jan 12 09:15 7745 Feb 06 12:18 7745 Mar 04 07:02 7745 Mar 19 23:48 7745 Apr 02 09:11 7745 May 06 23:13 7745 May 12 20:59 7745 May 23 00:01	0°M 0°% 0°S 3°S50'57 0°≈ 0°X 0°Y 0°S 17°S28'51 0°M 1°I32'47 0°© 2°S40'29 4°S37'18	
morning rise direct greatest brilliancy morning max el desc. node	7742 Mar 31 00:40 7742 Apr 03 14:33 7742 Apr 20 22:46 7742 Apr 30 11:12 7742 Jun 03 02:06 7742 Jun 10 05:38 7742 Jun 12 06:14 7742 Jul 02 01:31 7742 Jul 28 13:36 7742 Aug 23 04:45 7742 Sep 17 09:27 7742 Oct 03 05:05 7742 Oct 12 06:43 7742 Nov 05 21:37	12°Y25'20 12°Y22'31 10°Y11'45 4°Y25'26 6°Y08'12 0°8 6°8'57'29 8°8'59'43 0°II 0°© 0°A 0°ID 19°ID 19°ID 19°ID 19°ID 0°IL	8°09'59 0.26987 AU -4.9m	desc. node  asc. node  evening max el  greatest brilliancy retrograde	7744 Oct 05 20:13 7744 Oct 30 06:49 7744 Nov 23 20:12 7744 Nov 27 00:03 7744 Dec 18 12:49 7745 Jan 12 09:15 7745 Feb 06 12:18 7745 Mar 04 07:02 7745 Mar 19 23:48 7745 Apr 02 09:11 7745 May 06 23:13 7745 May 12 20:59 7745 May 23 00:01 7745 Jun 07 07:28	0°M 0°% 0°% 3°%50'57 0°≈ 0°% 0°% 0°% 17°828'51 0°M 1°M32'47 0°% 2°%40'29 4°%37'18 30°%M	-4.9m
morning rise direct greatest brilliancy morning max el desc. node asc. node	7742 Mar 31 00:40 7742 Apr 03 14:33 7742 Apr 20 22:46 7742 Apr 30 11:12 7742 Jun 03 02:06 7742 Jun 10 05:38 7742 Jun 12 06:14 7742 Jul 02 01:31 7742 Jul 28 13:36 7742 Aug 23 04:45 7742 Sep 17 09:27 7742 Oct 03 05:05 7742 Nov 05 21:37 7742 Nov 30 07:19	12°Y25'20 12°Y22'31 10°Y11'45 4°Y25'26 6°Y08'12 0°8 6°8'57'29 8°8'59'43 0°IL 0°\$ 0°\$ 0°\$ 19°\$\text{m}01'37 0°\$ 0°\$ 0°\$ 0°\$ 0°\$ 0°\$ 10°\$	8°09'59 0.26987 AU -4.9m	desc. node  asc. node  evening max el  greatest brilliancy retrograde  evening set	7744 Oct 05 20:13 7744 Oct 30 06:49 7744 Nov 23 20:12 7744 Nov 27 00:03 7744 Dec 18 12:49 7745 Jan 12 09:15 7745 Feb 06 12:18 7745 Mar 04 07:02 7745 Mar 19 23:48 7745 Mar 31 20:39 7745 Apr 02 09:11 7745 May 06 23:13 7745 May 12 20:59 7745 May 23 00:01 7745 Jun 07 07:28 7745 Jun 08 08:55	0°M 0°% 3°♂50'57 0°≈ 0°¥ 0°¥ 0°Y 0°8 17°828'51 0°II 1°II32'47 0°© 2°©40'29 4°©37'18 30°RII 29°II23'57	-4.9m
morning rise direct greatest brilliancy morning max el desc. node asc. node	7742 Mar 31 00:40 7742 Apr 03 14:33 7742 Apr 20 22:46 7742 Apr 30 11:12 7742 Jun 03 02:06 7742 Jun 10 05:38 7742 Jun 12 06:14 7742 Jul 02 01:31 7742 Jul 28 13:36 7742 Aug 23 04:45 7742 Sep 17 09:27 7742 Oct 03 05:05 7742 Oct 12 06:43 7742 Nov 05 21:37 7742 Nov 30 07:19 7742 Dec 07 07:00	12°Y25'20 12°Y22'31 10°Y11'45 4°Y25'26 6°Y08'12 0°8 6°8'57'29 8°8'59'43 0°IL 0°\$ 0°\$ 0°\$ 19°\$\01'37 0°\$ 0°\$ 0°\$ 18°\$\\$7'44	8°09'59 0.26987 AU -4.9m	asc. node  asc. node  evening max el  greatest brilliancy retrograde  evening set inferior conj	7744 Oct 05 20:13 7744 Oct 30 06:49 7744 Nov 23 20:12 7744 Nov 27 00:03 7744 Dec 18 12:49 7745 Jan 12 09:15 7745 Feb 06 12:18 7745 Mar 04 07:02 7745 Mar 19 23:48 7745 Mar 31 20:39 7745 Apr 02 09:11 7745 May 06 23:13 7745 May 12 20:59 7745 May 23 00:01 7745 Jun 07 07:28 7745 Jun 08 08:55 7745 Jun 12 21:14	0°M 0°♂ 3°♂50'57 0°≈ 0°भ 0°भ 0°भ 0°भ 17°∀28'51 0°II 1°II32'47 0°© 2°©40'29 4°©37'18 30°RII 29°II23'57 26°II40'27	-4.9m 6°12'27
morning rise direct greatest brilliancy morning max el desc. node asc. node	7742 Mar 31 00:40 7742 Apr 03 14:33 7742 Apr 20 22:46 7742 Apr 30 11:12 7742 Jun 03 02:06 7742 Jun 10 05:38 7742 Jun 12 06:14 7742 Jul 02 01:31 7742 Jul 28 13:36 7742 Aug 23 04:45 7742 Sep 17 09:27 7742 Oct 03 05:05 7742 Oct 12 06:43 7742 Nov 05 21:37 7742 Nov 30 07:19 7742 Dec 07 07:00 7742 Dec 24 13:17	12°Y25'20 12°Y22'31 10°Y11'45 4°Y25'26 6°Y08'12 0°と 6°と57'29 8°と59'43 0°耳 0°取 19°™01'37 0°平 0°™ 19°™01'37 0°™ 0°™	8°09'59 0.26987 AU -4.9m 46°47'27	asc. node  asc. node  evening max el  greatest brilliancy retrograde  evening set inferior conj minimum elong min. Earth dist.	7744 Oct 05 20:13 7744 Oct 30 06:49 7744 Nov 23 20:12 7744 Nov 27 00:03 7744 Dec 18 12:49 7745 Jan 12 09:15 7745 Feb 06 12:18 7745 Mar 04 07:02 7745 Mar 19 23:48 7745 Mar 31 20:39 7745 Apr 02 09:11 7745 May 06 23:13 7745 May 12 20:59 7745 May 23 00:01 7745 Jun 07 07:28 7745 Jun 08 08:55 7745 Jun 12 21:14 7745 Jun 13 08:04	0°M 0°♂ 3°♂50'57 0°≈ 0°भ 0°भ 0°भ 0°भ 17°∀28'51 0°Ш 1°Ш32'47 0°© 2°©40'29 4°©37'18 30°RШ 29°Ш23'57 26°Ш40'27 26°Ш40'27	-4.9m 6°12'27 6°09'49
morning rise direct greatest brilliancy morning max el desc. node  asc. node  morning set max. Earth dist.	7742 Mar 31 00:40 7742 Apr 03 14:33 7742 Apr 20 22:46 7742 Apr 30 11:12 7742 Jun 03 02:06 7742 Jun 10 05:38 7742 Jun 12 06:14 7742 Jul 02 01:31 7742 Jul 28 13:36 7742 Aug 23 04:45 7742 Sep 17 09:27 7742 Oct 03 05:05 7742 Oct 12 06:43 7742 Nov 05 21:37 7742 Nov 30 07:19 7742 Dec 07 07:00 7742 Dec 24 13:17	12°Y25'20 12°Y22'31 10°Y11'45 4°Y25'26 6°Y08'12 0°と 6°と57'29 8°と59'43 0°耳 0°取 19°™01'37 0°平 0°™ 19°™01'37 0°™ 0°™	8°09'59 0.26987 AU -4.9m 46°47'27	asc. node  asc. node  evening max el  greatest brilliancy retrograde  evening set inferior conj minimum elong	7744 Oct 05 20:13 7744 Oct 30 06:49 7744 Nov 23 20:12 7744 Nov 27 00:03 7744 Dec 18 12:49 7745 Jan 12 09:15 7745 Feb 06 12:18 7745 Mar 04 07:02 7745 Mar 19 23:48 7745 Mar 31 20:39 7745 Apr 02 09:11 7745 May 06 23:13 7745 May 12 20:59 7745 Jun 07 07:28 7745 Jun 08 08:55 7745 Jun 12 21:14 7745 Jun 13 08:04 7745 Jun 12 21:19	0°M 0°♂ 3°♂50'57 0°≈ 0°भ 0°भ 0°भ 0°भ 17°∀28'51 0°II 1°II32'47 0°© 2°©40'29 4°©37'18 30°RII 29°II23'57 26°II40'27 26°II40'17 23°II26'15	-4.9m 6°12'27 6°09'49
morning rise direct greatest brilliancy morning max el desc. node  asc. node  morning set max. Earth dist. superior conj	7742 Mar 31 00:40 7742 Apr 03 14:33 7742 Apr 20 22:46 7742 Apr 30 11:12 7742 Jun 03 02:06 7742 Jun 10 05:38 7742 Jun 12 06:14 7742 Jul 02 01:31 7742 Jul 28 13:36 7742 Aug 23 04:45 7742 Sep 17 09:27 7742 Oct 03 05:05 7742 Nov 05 21:37 7742 Nov 05 21:37 7742 Dec 07 07:00 7742 Dec 24 13:17 7743 Jan 11 02:50	12°Y25'20 12°Y22'31 10°Y11'45 4°Y25'26 6°Y08'12 0°B 6°B57'29 8°B59'43 0°I 0°I 0°I 0°I 0°I 0°I 0°I 0°I 0°I 0°I	8°09'59 0.26987 AU -4.9m 46°47'27	desc. node  asc. node  evening max el  greatest brilliancy retrograde  evening set inferior conj minimum elong min. Earth dist. morning rise	7744 Oct 05 20:13 7744 Oct 30 06:49 7744 Nov 23 20:12 7744 Nov 27 00:03 7744 Dec 18 12:49 7745 Jan 12 09:15 7745 Feb 06 12:18 7745 Mar 04 07:02 7745 Mar 19 23:48 7745 Mar 31 20:39 7745 Apr 02 09:11 7745 May 06 23:13 7745 May 12 20:59 7745 May 23 00:01 7745 Jun 07 07:28 7745 Jun 08 08:55 7745 Jun 12 21:14 7745 Jun 13 08:04 7745 Jun 12 21:19 7745 Jun 18 07:24	0°M 0°♂ 3°♂50'57 0°≈ 0°भ 0°भ 0°भ 0°भ 17°∀28'51 0°II 1°II32'47 0°© 2°©40'29 4°©37'18 30°RII 29°II23'57 26°II40'27 26°II40'17	-4.9m 6°12'27 6°09'49
morning rise direct greatest brilliancy morning max el desc. node  asc. node  morning set max. Earth dist.	7742 Mar 31 00:40 7742 Apr 03 14:33 7742 Apr 20 22:46 7742 Apr 30 11:12 7742 Jun 03 02:06 7742 Jun 10 05:38 7742 Jun 12 06:14 7742 Jul 02 01:31 7742 Jul 28 13:36 7742 Aug 23 04:45 7742 Sep 17 09:27 7742 Oct 03 05:05 7742 Oct 12 06:43 7742 Nov 05 21:37 7742 Nov 30 07:19 7742 Dec 07 07:00 7742 Dec 24 13:17 7743 Jan 11 02:50	12°Y25'20 12°Y22'31 10°Y11'45 4°Y25'26 6°Y08'12 0°B 6°B57'29 8°B59'43 0°II 0°S 0°II 0°S 0°II 0°S 0°II 0°S 21°T49'04	8°09'59 0.26987 AU -4.9m 46°47'27 1.72267 AU 0°21'12	desc. node  asc. node  evening max el  greatest brilliancy retrograde  evening set inferior conj minimum elong min. Earth dist. morning rise direct	7744 Oct 05 20:13 7744 Oct 30 06:49 7744 Nov 23 20:12 7744 Nov 27 00:03 7744 Dec 18 12:49 7745 Jan 12 09:15 7745 Feb 06 12:18 7745 Mar 04 07:02 7745 Mar 19 23:48 7745 Mar 31 20:39 7745 Apr 02 09:11 7745 May 06 23:13 7745 May 12 20:59 7745 May 23 00:01 7745 Jun 07 07:28 7745 Jun 08 08:55 7745 Jun 12 21:14 7745 Jun 13 08:04 7745 Jun 12 21:19 7745 Jun 18 07:24 7745 Jun 18 07:24 7745 Jul 03 15:50	0°M 0°ズ 0°ろ 3°ろ50'57 0°≈ 0°X 0°Y 0°8 17°828'51 0°M 1° II32'47 0°© 2°540'29 4°537'18 30°RII 29°I23'57 26°I40'27 26°I40'17 23°I26'15 18°I49'05 19°I31'29	-4.9m 6°12'27 6°09'49 0.27421 AU
morning rise direct greatest brilliancy morning max el desc. node  asc. node  morning set max. Earth dist. superior conj	7742 Mar 31 00:40 7742 Apr 03 14:33 7742 Apr 20 22:46 7742 Apr 30 11:12 7742 Jun 03 02:06 7742 Jun 10 05:38 7742 Jun 12 06:14 7742 Jul 02 01:31 7742 Jul 28 13:36 7742 Aug 23 04:45 7742 Sep 17 09:27 7742 Oct 03 05:05 7742 Oct 12 06:43 7742 Nov 05 21:37 7742 Nov 30 07:19 7742 Dec 07 07:00 7742 Dec 24 13:17 7743 Jan 14 01:53 7743 Jan 14 01:53 7743 Jan 14 06:48	12°Y25'20 12°Y22'31 10°Y11'45 4°Y25'26 6°Y08'12 0°B 6°B57'29 8°B59'43 0°II 0°© 0°A 0°II 19°II01'37 0°A 0°II 0°A 19°II01'37 0°A 21°B49'04 25°B30'00 25°B30'00 25°B45'20	8°09'59 0.26987 AU -4.9m 46°47'27 1.72267 AU 0°21'12	desc. node  asc. node  evening max el  greatest brilliancy retrograde  evening set inferior conj minimum elong min. Earth dist. morning rise direct desc. node	7744 Oct 05 20:13 7744 Oct 30 06:49 7744 Nov 23 20:12 7744 Nov 27 00:03 7744 Dec 18 12:49 7745 Jan 12 09:15 7745 Feb 06 12:18 7745 Mar 04 07:02 7745 Mar 19 23:48 7745 Mar 31 20:39 7745 Apr 02 09:11 7745 May 06 23:13 7745 May 12 20:59 7745 May 23 00:01 7745 Jun 07 07:28 7745 Jun 08 08:55 7745 Jun 12 21:14 7745 Jun 13 08:04 7745 Jun 12 21:19 7745 Jun 18 07:24 7745 Jun 03 15:50 7745 Jul 09 17:47	0°M 0°ズ 0°ズ 0°ズ 0°ズ 0°ズ 0°X 0°Y 0°Y 0°B 17°828'51 0°M 1°I32'47 0°S 2°S40'29 4°S37'18 30°RII 29°I23'57 26°I40'27 26°I40'17 23°I26'15 18°I49'05	-4.9m 6°12'27 6°09'49 0.27421 AU
morning rise direct greatest brilliancy morning max el desc. node  asc. node  morning set max. Earth dist. superior conj minimum elong	7742 Mar 31 00:40 7742 Apr 03 14:33 7742 Apr 20 22:46 7742 Apr 30 11:12 7742 Jun 03 02:06 7742 Jun 10 05:38 7742 Jun 12 06:14 7742 Jul 02 01:31 7742 Jul 28 13:36 7742 Aug 23 04:45 7742 Sep 17 09:27 7742 Oct 03 05:05 7742 Oct 12 06:43 7742 Nov 05 21:37 7742 Nov 30 07:19 7742 Dec 07 07:00 7742 Dec 24 13:17 7743 Jan 14 01:53 7743 Jan 14 06:48 7743 Jan 14 06:48 7743 Jan 17 16:39	12°Y25'20 12°Y25'26 12°Y25'26 6°Y08'12 0°8 6°857'29 8°859'43 0°用 0°9 0°0 19°№01'37 0°9 0°1 0°% 8°¾37'44 0°3 21°349'04 25°330'00 25°345'20 0°≈	8°09'59 0.26987 AU -4.9m 46°47'27 1.72267 AU 0°21'12	desc. node  asc. node  evening max el  greatest brilliancy retrograde  evening set inferior conj minimum elong min. Earth dist. morning rise direct desc. node	7744 Oct 05 20:13 7744 Oct 30 06:49 7744 Nov 23 20:12 7744 Nov 27 00:03 7744 Dec 18 12:49 7745 Jan 12 09:15 7745 Feb 06 12:18 7745 Mar 04 07:02 7745 Mar 19 23:48 7745 Mar 31 20:39 7745 Apr 02 09:11 7745 May 06 23:13 7745 May 12 20:59 7745 May 23 00:01 7745 Jun 07 07:28 7745 Jun 08 08:55 7745 Jun 12 21:14 7745 Jun 13 08:04 7745 Jun 18 07:24 7745 Jun 18 07:24 7745 Jul 03 15:50 7745 Jul 09 17:47 7745 Jul 13 12:26	0°M. 0°% 0°% 0°% 3°% 0°% 0°% 0°% 0°% 0°% 17°% 28'51 0°II 1°II32'47 0°© 2°©40'29 4°©37'18 30°% II 29°II23'57 26°II40'27 26°II40'17 23°II26'15 18°II49'05 19°II31'29 20°II36'57	-4.9m 6°12'27 6°09'49 0.27421 AU

	7745 Sep 01 09:51	0°N			7748 Apr 09 02:06	0°Щ	
	7745 Sep 01 09.31 7745 Sep 29 06:12	0°m)		asc. node	7748 Apr 16 11:23	8° <b>П</b> 52'20	
	7745 Oct 25 11:59	0∘ <b>⊽</b>		asc. node	7748 May 04 09:05	0°95	
asc. node	7745 Oct 25 11:55	o <b>_</b> 6° <b>ჲ</b> 06'12			7748 May 31 02:12	$0^{\circ}\Omega$	
use. Hode	7745 Nov 19 20:58	0°M		evening max el	7748 Jun 13 07:23	13° <b>Ω</b> 42'27	46°26'30
	7745 Dec 14 16:26	0° <b>⊼</b> ¹		evening max er	7748 Jul 01 02:08	0°m	10 2030
	7746 Jan 08 03:00	0° <b>ਰ</b>		greatest brilliancy	7748 Jul 22 00:01	13° <b>m</b> ) 13'54	-4.8m
	7746 Feb 01 07:48	0° <b>≈</b>		retrograde	7748 Aug 02 03:57	15° mp 30'29	
morning set	7746 Feb 16 21:58	19° <b>≈</b> 26'16		desc. node	7748 Aug 06 05:34	15° mp 10'34	
desc. node	7746 Feb 19 09:48	22° <b>≈</b> 33'11		evening set	7748 Aug 17 09:03	10° <b>m</b> 59'18	
	7746 Feb 25 08:41	0° <b>)</b>		min. Earth dist.	7748 Aug 22 19:48	7° mp 43'13	0.28510 AU
	7746 Mar 21 06:45	$0^{\circ}\Upsilon$		inferior conj	7748 Aug 23 12:31	7° m) 17'05	
max. Earth dist.	7746 Mar 28 14:26	9° <b>Ƴ</b> 12'03	1.71237 AU	minimum elong	7748 Aug 23 04:19	7° m/29'53	4°01'40
				morning rise	7748 Aug 29 00:15	3° m 58'31	
superior conj	7746 Mar 29 15:12	10° <b>Ƴ</b> 29'57	-1°16'35	5 5	7748 Sep 07 10:59	30°R <b>Ω</b>	
minimum elong	7746 Mar 29 04:54	9° <b>Ƴ</b> 57'33	1°16'22	direct	7748 Sep 13 20:48	29° <b>Ω</b> 11′28	
, and the second	7746 Apr 14 03:18	0°8			7748 Sep 20 11:07	0° m/p	
	7746 May 08 00:17	0°II		greatest brilliancy	7748 Sep 23 13:27	0° m 53'45	-4.7m
evening rise	7746 May 09 06:25	1° <b>Ⅱ</b> 34'30		morning max el	7748 Nov 01 12:46	28° m 54'25	45°41'26
8	7746 May 31 23:52	0°9		5 5	7748 Nov 02 16:04	$0 \circ \overline{\mathbf{v}}$	
asc. node	7746 Jun 12 08:49	14°909'03		asc. node	7748 Nov 27 05:12	25° <b>£</b> 23'41	
	7746 Jun 25 03:59	$0^{\circ}\Omega$			7748 Dec 01 09:51	0°M₊	
	7746 Jul 19 14:27	0° m			7748 Dec 27 16:52	0° <b>≯</b>	
	7746 Aug 13 09:53	0∘ <u>⊽</u>			7749 Jan 21 21:24	5°0	
	7746 Sep 07 19:21	0° <b>M</b> .			7749 Feb 15 11:40	0° <b>≈</b>	
desc. node	7746 Oct 02 02:40	27° <b>M</b> 40'09			7749 Mar 11 17:38	0° <b>)</b> €	
	7746 Oct 04 05:12	0° <b>∡</b> 7		desc. node	7749 Mar 18 22:02	8° <b>¥</b> 56'30	
	7746 Nov 01 18:16	ი გ			7749 Apr 04 18:34	$0^{\circ}\Upsilon$	
evening max el	7746 Nov 05 17:10	3° <b>ප</b> 50'05	45°49'51		7749 Apr 28 16:49	0°8	
S	7746 Dec 09 18:21	0° <b>≈</b>		morning set	7749 May 04 05:12	6° <b>8</b> 55'28	
greatest brilliancy	7746 Dec 15 01:26	2°≈09'54	-4.8m		7749 May 22 14:34	0°II	
retrograde	7746 Dec 24 14:44	3° <b>≈</b> 49'38					
	7747 Jan 07 14:01	30°Ŗ₹		superior conj	7749 Jun 13 03:24	26° <b>∏</b> 57'40	-0°59'11
evening set	7747 Jan 08 13:39	29° <b>る</b> 28'32		minimum elong	7749 Jun 13 14:34	27° <b>I</b> I32'32	0°58'54
inferior conj	7747 Jan 14 12:13	25°₹57'21	-2°09'14		7749 Jun 15 13:47	0°5	
minimum elong	7747 Jan 14 17:02	25° <b>る</b> 49'56	2°07'39	max. Earth dist.	7749 Jun 16 18:34	1° <b>©</b> 29'50	1.71861 AU
min. Earth dist.	7747 Jan 15 04:14	25° <b>る</b> 32'39	0.27595 AU	asc. node	7749 Jul 09 20:42	0° <b>Ω</b> 15'14	
morning rise	7747 Jan 20 19:48	22° <b>ප</b> 13'06			7749 Jul 09 15:47	$0^{\circ}\Omega$	
asc. node	7747 Jan 23 02:37	21° <b>る</b> 03'02		evening rise	7749 Jul 22 07:32	15° <b>Ω</b> 41'41	
direct	7747 Feb 04 13:18	17° <b>る</b> 56'29		8	7749 Aug 02 21:13	0° m/y	
greatest brilliancy	7747 Feb 15 10:19	20° <b>る</b> 09'57	-4.9m		7749 Aug 27 06:35	0∘ <u>v</u>	
8	7747 Mar 03 23:08	0° <b>≈</b>			7749 Sep 20 21:04	0°M	
morning max el	7747 Mar 27 01:59	20°≈52'51	46°53'48		7749 Oct 15 18:49	0° <b>⊼</b>	
	7747 Apr 04 21:11	0° <b>)</b> €		desc. node	7749 Oct 29 14:16	16° <b>₹</b> 25'51	
	7747 May 01 19:14	$0^{\circ}\Upsilon$			7749 Nov 10 02:52	0°8	
desc. node	7747 May 14 20:21	15° <b>Ƴ</b> 14'11			7749 Dec 06 02:10	0° <b>≈</b>	
	7747 May 27 06:35	0°8			7750 Jan 02 05:53	0° <b>)</b> €	
	7747 Jun 21 03:37	0° <b>I</b> I		evening max el	7750 Jan 17 02:21	15° <b>¥</b> 18′04	46°35'38
	7747 Jul 15 18:52	0ം <b>ഉ</b>		C	7750 Feb 01 22:54	$_0$ ° $\gamma$	
	7747 Aug 09 08:03	$0^{\circ}\Omega$		asc. node	7750 Feb 19 14:24	12° <b>Y</b> 36'36	
	7747 Sep 02 20:08	0° m		greatest brilliancy	7750 Feb 26 09:22	15° <b>Ƴ</b> 41'49	-4.9m
asc. node	7747 Sep 04 18:54	2° m 23'18		retrograde	7750 Mar 08 05:12	17° <b>Y</b> 31'12	
morning set	7747 Sep 27 11:32	0° <b>£</b> 14'42		evening set	7750 Mar 24 15:25	12° <b>Y</b> 17'37	
C	7747 Sep 27 06:45	0∘ <b>⊽</b>		inferior conj	7750 Mar 28 20:45	9° <b>Y</b> 44'53	7°59'52
	7747 Oct 21 15:39	0° <b>M</b>		minimum elong	7750 Mar 28 11:03	9° <b>Y</b> 59'49	7°58'18
max. Earth dist.	7747 Nov 02 01:57	14°ML05'30	1.73244 AU	min. Earth dist.	7750 Mar 28 13:52	9° <b>Y</b> 55'29	0.26977 AU
				morning rise	7750 Apr 01 06:41	7° <b>Υ</b> '40'21	
superior conj	7747 Nov 03 00:38	15°M15'26	1°25'29	direct	7750 Apr 18 10:48	1° <b>Y</b> 58'49	
minimum elong	7747 Nov 03 02:24	15°M20'56	1°25'35	greatest brilliancy	7750 Apr 28 01:07	3° <b>Υ</b> 42'55	-4.9m
	7747 Nov 14 23:17	0° <b>∡</b> 7		<u> </u>	7750 Jun 03 03:49	0°8	
	7747 Dec 09 06:21	0° <b>ਠ</b>		morning max el	7750 Jun 07 18:02	4° <b>8</b> 31'02	46°48'52
evening rise	7747 Dec 10 02:00	1°る00'40		desc. node	7750 Jun 11 08:07	8° <b>8</b> 08'41	<b>.</b>
desc. node	7747 Dec 25 11:47	20°る02'45			7750 Jul 01 18:35	0°II	
	7748 Jan 02 13:10	0°≈			7750 Jul 28 03:43	0.© 0 H	
	7748 Jan 26 19:36	0° <b>)</b> €			7750 Aug 22 17:24	$0^{\circ}\Omega$	
	7748 Feb 20 02:04	0° <b>Υ</b>			7750 Sep 16 21:16	0° mp	
	7748 Mar 15 10:39	0°8		asc. node	7750 Oct 02 07:02	18° Mp 32'51	
		- O			500 02 07.02		

	7750 Oct 11 18:02	0∘ <b>ত</b>		ratrograda	7753 May 20 14:33	2° <b>©</b> 14'13	
	7750 Nov 05 08:38	0°M		retrograde	•	2 €91413 30°R∏	
	7750 Nov 29 18:10	0° <b>⊼</b> 7		ovening set	7753 May 31 01:11 7753 Jun 06 01:55	26° <b>∏</b> 56'03	
morning sat	7750 Dec 04 23:32	0 <b>x</b> · 6° <b>x</b> 26'59		evening set inferior conj	7753 Jun 10 10:44	26 <b>H</b> 36 03 24° <b>H</b> 17'34	6020120
morning set	7750 Dec 04 23:32 7750 Dec 24 00:07	0 x 20 39 0°る		minimum elong	7753 Jun 10 10:44 7753 Jun 10 21:39	24° <b>I</b> I 17' 34' 24° <b>I</b> I 00'45	
max. Earth dist.	7751 Jan 08 19:53		1.72314 AU	min. Earth dist.	7753 Jun 10 21:39	24° <b>I</b> I17'37	0.27400 AU
max. Earm dist.	//31 Jan 08 19.33	19 03900	1.72314 AU		7753 Jun 15 17:38	24 <b>H</b> 1737 21° <b>H</b> 08'19	0.27400 AU
:	7751 I 11 16:05	220至11104	0924140	morning rise			
superior conj	7751 Jan 11 16:05	23°る11'04 23°る28'37		direct desc. node	7753 Jul 01 05:34	16° <b>Ⅲ</b> 26'36 17° <b>Ⅲ</b> 32'15	
minimum elong	7751 Jan 11 21:43		0°24'31		7753 Jul 08 19:49		4.0
1 1	7751 Jan 17 03:32	0° <b>≈</b>		greatest brilliancy	7753 Jul 11 00:50	18°Ⅲ13'54 0°©	-4.8m
desc. node	7751 Jan 21 23:45	6°≈01'47			7753 Jul 31 00:10		46002147
	7751 Feb 10 04:55	0° <b>∀</b>		morning max el	7753 Aug 19 16:27	17° <b>©</b> 24'03	46°03'47
evening rise	7751 Feb 20 00:59	12° <b> ★</b> 17'33			7753 Sep 01 05:17	0° <b>N</b>	
	7751 Mar 06 04:38	0° <b>Υ</b>			7753 Sep 28 21:03	0° Mp	
	7751 Mar 30 03:49	0° <b>B</b>		4	7753 Oct 25 00:53	0° <b>™</b>	
	7751 Apr 23 04:48	0°II		asc. node	7753 Oct 29 19:09	5° <b>Ω</b> 34'37	
asc. node	7751 May 14 23:01	26° <b>Ⅱ</b> 55'52			7753 Nov 19 08:54	0°M	
	7751 May 17 10:55	0°©			7753 Dec 14 03:52	0° <b>∡</b> ¹	
	7751 Jun 11 02:25	0° <b>N</b>			7754 Jan 07 14:12	ರ್∘ರ	
	7751 Jul 06 09:49	0° <b>m</b> )			7754 Jan 31 18:55	0° <b>≈</b>	
	7751 Aug 01 23:13	0∘ <b>ত</b>		morning set	7754 Feb 14 10:19	17° <b>≈</b> 00′29	
evening max el	7751 Aug 23 20:35	22° <b>≏</b> 38'53	45°44'50	desc. node	7754 Feb 18 11:53	22°≈05'09	
	7751 Aug 31 16:49	0°M₊			7754 Feb 24 19:44	0° <b>∀</b>	
desc. node	7751 Sep 03 17:12	2°M40'44			7754 Mar 20 17:47	$0^{\circ}\mathbf{\Upsilon}$	
greatest brilliancy	7751 Oct 01 16:52	21°M01'58	-4.7m	max. Earth dist.	7754 Mar 25 22:50	6° <b>Ƴ</b> 32'51	1.71250 AU
retrograde	7751 Oct 11 19:50	22°M53'45					
evening set	7751 Oct 30 02:03	16°M40'16		superior conj	7754 Mar 27 02:02	7° <b>Ƴ</b> 58'21	
inferior conj	7751 Nov 02 08:27	14°MJ38'45	-8°35'59	minimum elong	7754 Mar 26 15:14	7° <b>Y</b> 24'26	1°14'18
minimum elong	7751 Nov 02 10:02	14°MJ36'15	8°35'52		7754 Apr 13 14:22	$9^{\circ}$ 8	
min. Earth dist.	7751 Nov 02 15:25	14°ML27'48	0.29113 AU	evening rise	7754 May 06 17:03	29° <b>8</b> 02'28	
morning rise	7751 Nov 05 17:55	12°M32'13			7754 May 07 11:24	$\Pi$ $^{\circ}0$	
direct	7751 Nov 23 20:55	6° <b>M</b> ₊19'49			7754 May 31 11:05	0°€	
greatest brilliancy	7751 Dec 04 16:02	8°M26'44	-4.8m	asc. node	7754 Jun 11 10:48	13°5540'16	
asc. node	7751 Dec 25 16:52	21°ML28'14			7754 Jun 24 15:21	$0^{\circ}\Omega$	
	7752 Jan 04 12:41	0° <b>∡</b> ¹			7754 Jul 19 02:05	0° <b>m</b>	
morning max el	7752 Jan 12 10:40	7° <b>∡</b> ³33'52	46°10'02		7754 Aug 12 22:04	0∘ <b>亚</b>	
	7752 Feb 02 18:41	ರ°0			7754 Sep 07 08:36	$0^{\circ}$ M.	
	7752 Feb 29 00:27	0° <b>≈</b>		desc. node	7754 Oct 01 04:37	27°M03'18	
	7752 Mar 25 02:49	0° <b>∀</b>			7754 Oct 03 20:44	0° <b>∡</b> ¹	
desc. node	7752 Apr 15 10:07	26° <b>)</b> €01'02			7754 Nov 01 16:09	ರ°0	
	7752 Apr 18 15:48	$0$ ° $\Upsilon$		evening max el	7754 Nov 03 08:14	1° <b>る</b> 36'24	45°48'42
	7752 May 12 21:52	$_{0\circ}$ 8		greatest brilliancy	7754 Dec 12 15:46	29° <b>る</b> 52'39	-4.8m
	7752 Jun 06 01:02	$\Pi^{\circ}0$			7754 Dec 13 00:46	0° <b>≈</b>	
	7752 Jun 30 04:08	$0$ $\circ$ $\odot$		retrograde	7754 Dec 22 04:13	1° <b>≈</b> 31'19	
morning set	7752 Jul 16 16:01	20° <b>©</b> 27'57			7754 Dec 30 22:02	30°Rる	
	7752 Jul 24 08:39	$0^{\circ}\Omega$		evening set	7755 Jan 06 05:46	27° <b>る</b> 07'38	
asc. node	7752 Aug 06 08:45	16° <b>Ω</b> 05'30		inferior conj	7755 Jan 12 02:28	23° <b>る</b> 38'35	-2°30'44
	7752 Aug 17 14:49	0° mp		minimum elong	7755 Jan 12 08:00	23° <b>පි</b> 30'01	2°28'58
				min. Earth dist.	7755 Jan 12 19:14	23° <b>る</b> 12'38	0.27651 AU
superior conj	7752 Aug 23 14:52	7° <b>m</b> 24'50	0°40'07	morning rise	7755 Jan 18 09:37	19° <b>る</b> 54'22	
minimum elong	7752 Aug 23 07:00	7° <b>m</b> 00'31	0°39'42	asc. node	7755 Jan 22 04:43	18° <b>る</b> 02'49	
max. Earth dist.	7752 Aug 25 01:41	9° <b>m</b> 12'19	1.73077 AU	direct	7755 Feb 02 04:12	15° <b>る</b> 37'02	
	7752 Sep 10 22:16	0∘ <b>ऌ</b>		greatest brilliancy	7755 Feb 13 01:41	17° <b>る</b> 50'28	-4.9m
evening rise	7752 Sep 29 04:56	22° <b>£</b> 30'47			7755 Mar 04 13:21	0° <b>≈</b>	
	7752 Oct 05 07:03	0°M₊		morning max el	7755 Mar 24 15:52	18° <b>≈</b> 30′12	46°52'45
	7752 Oct 29 17:52	0° <b>∡</b> ¹			7755 Apr 04 16:35	0° <b>ℋ</b>	
	7752 Nov 23 07:37	0°ರ			7755 May 01 10:28	$0$ ° $\Upsilon$	
desc. node	7752 Nov 26 01:56	3° <b>る</b> 21'47		desc. node	7755 May 13 22:17	14° <b>Y</b> 37'56	
	7752 Dec 18 00:46	0° <b>≈</b>			7755 May 26 20:01	$8^{\circ}$ 0	
	7753 Jan 11 21:59	0° <b>)</b> €			7755 Jun 20 16:04	$\Pi^{\circ}0$	
	7753 Feb 06 02:16	$0^{\circ}\mathbf{\Upsilon}$			7755 Jul 15 06:41	0ಂತಾ	
	7753 Mar 03 23:22	$8^{\circ}$ 0			7755 Aug 08 19:25	$0^{\circ}\Omega$	
asc. node	7753 Mar 19 01:48	16° <b>8</b> 42'56			7755 Sep 02 07:11	0° <b>m</b>	
evening max el	7753 Mar 30 23:41	29° <b>8</b> 10'52	47°01'29	asc. node	7755 Sep 03 20:51	1° m 55'28	
	7753 Mar 31 19:11	$\Pi^{\circ}0$		morning set	7755 Sep 25 04:48	28° Mp 06'58	
	7753 May 09 16:49	0°ಅ			7755 Sep 26 17:35	0∘ <b>⊽</b>	
greatest brilliancy	7753 May 10 11:02	0°917'15	-4.9m		7755 Oct 21 02:23	0°M	
· ·							

max. Earth dist.	7755 Oct 30 20:01	12°M00'09	1.73254 AU	min. Earth dist.	7758 Mar 26 02:58	7° <b>Υ</b> ′29'24	0.26974 AU
				morning rise	7758 Mar 29 23:04	5° <b>Y</b> ′09'38	
superior conj	7755 Oct 31 18:26	13°M09'20			7758 Apr 11 06:23	30° <b>₹</b>	
minimum elong	7755 Oct 31 19:31		1°25'49	direct	7758 Apr 15 23:16	29° <b>)</b> 32'44	
	7755 Nov 14 10:01	0°⊀			7758 Apr 20 18:54	0° <b>Υ</b>	
evening rise	7755 Dec 07 18:12	28° <b>∡</b> ⁴48'59		greatest brilliancy	7758 Apr 25 15:06	1° <b>Υ</b> 18'15	-4.9m
	7755 Dec 08 17:12	0°る			7758 Jun 03 04:12	0°8	
desc. node	7755 Dec 24 13:52	19° <b>る</b> 35'18		morning max el	7758 Jun 05 07:36	2° <b>8</b> 07'35	46°50'02
	7756 Jan 02 00:13	0° <b>≈</b>		desc. node	7758 Jun 10 10:11	7° <b>8</b> 19'07	
	7756 Jan 26 06:57	0° <b>∀</b>			7758 Jul 01 11:17	$\Pi$ °0	
	7756 Feb 19 13:49	0° <b>Υ</b>			7758 Jul 27 17:39	0₀ <b>ௐ</b>	
	7756 Mar 14 22:57	0°B			7758 Aug 22 05:55	$0^{\circ}\Omega$	
	7756 Apr 08 15:15	$\Pi$ °0			7758 Sep 16 08:56	0° <b>™</b>	
asc. node	7756 Apr 15 13:16	8° <b>Ⅱ</b> 17'34		asc. node	7758 Oct 01 08:55	18° <b>m</b> 04'20	
	7756 May 03 23:50	0°€			7758 Oct 11 05:12	0∘ <b>⊽</b>	
	7756 May 30 20:43	$0$ $^{\circ}\Omega$			7758 Nov 04 19:29	0°M	
evening max el	7756 Jun 10 21:54	11° <b>Ω</b> 24'05	46°28'09		7758 Nov 29 04:53	0° <b>∡</b> ¹	
	7756 Jul 01 13:07	0° <b>m</b>		morning set	7758 Dec 02 16:11	4° <b>∡</b> 17'08	
greatest brilliancy	7756 Jul 19 16:58	11° <b>m</b> 01'29	-4.8m		7758 Dec 23 10:46	0° <b>ろ</b>	
retrograde	7756 Jul 30 19:20	13° Mp 16'54		max. Earth dist.	7759 Jan 06 13:43	17° <b>る</b> 32'04	1.72353 AU
desc. node	7756 Aug 05 07:38	12° Mp 40'18					
evening set	7756 Aug 14 23:18	8°Mp48'10		superior conj	7759 Jan 09 06:36	20° <b>る</b> 53'45	
min. Earth dist.	7756 Aug 20 11:54		0.28461 AU	minimum elong	7759 Jan 09 12:55	21° <b>る</b> 13'25	0°27'54
inferior conj	7756 Aug 21 04:04	5° Mg 04'17			7759 Jan 16 14:13	0° <b>≈</b>	
minimum elong	7756 Aug 20 20:21	5° Mp 16′21	3°43'17	desc. node	7759 Jan 21 01:50	5° <b>≈</b> 34'58	
morning rise	7756 Aug 26 18:01	1° Mp 42'22			7759 Feb 09 15:41	0° <b>∀</b>	
	7756 Aug 30 01:07	30°R <b>Ω</b>		evening rise	7759 Feb 17 14:04	9° <b>)</b> 54'41	
direct	7756 Sep 11 11:30	26° <b>Ω</b> 59'22			7759 Mar 05 15:31	0° <b>Υ</b>	
greatest brilliancy	7756 Sep 21 04:44	28° <b>Ω</b> 41'38	-4.7m		7759 Mar 29 14:52	0°8	
	7756 Sep 24 13:54	0° <b>™</b>			7759 Apr 22 16:06	0∘Щ	
morning max el	7756 Oct 30 02:42	26° m 39'06	45°41'26	asc. node	7759 May 14 01:01	26° <b>Ⅲ</b> 26′12	
	7756 Nov 02 13:39	0∘ <b>⊽</b>			7759 May 16 22:37	0₀æ	
asc. node	7756 Nov 26 07:08	24° <b>Ω</b> 45'24			7759 Jun 10 14:48	$0$ ° $\Omega$	
	7756 Dec 01 01:11	0° <b>M</b> .			7759 Jul 05 23:28	0° <b>m</b> )	
	7756 Dec 27 05:59	0° <b>∡</b>			7759 Aug 01 15:44	0∘ <b>⊽</b>	
	7757 Jan 21 09:30	0°る		evening max el	7759 Aug 21 12:15	20° <b>≏</b> 27'41	45°45'47
	7757 Feb 14 23:14	0° <b>≈</b>			7759 Aug 31 19:16	0° <b>M</b>	
	7757 Mar 11 04:55	0° <b>∀</b>		desc. node	7759 Sep 02 19:08	1° <b>M</b> 43'57	
desc. node	7757 Mar 17 23:57	8° <b>¥</b> 27'24		greatest brilliancy	7759 Sep 29 06:42	18° <b>™</b> 50′29	-4.7m
	7757 Apr 04 05:43	0° <b>Υ</b>		retrograde	7759 Oct 09 12:20	20° <b>™</b> 44'20	
	7757 Apr 28 03:52	0°8		evening set	7759 Oct 27 17:49	14° <b>M</b> ₃30'37	
morning set	7757 May 01 16:01	4° <b>8</b> 24'10		inferior conj	7759 Oct 31 00:30	12° <b>™</b> 28'38	
	7757 May 22 01:31	$\Pi$ °0		minimum elong	7759 Oct 31 01:19	12° <b>™</b> 27'20	
		—		min. Earth dist.	7759 Oct 31 05:55	12° <b>M</b> 20'07	0.29133 AU
superior conj	7757 Jun 10 15:58	24° <b>∐</b> 32'59		morning rise	7759 Nov 03 08:47	10° <b>M</b> 24′03	
minimum elong	7757 Jun 11 03:14	25° <b>Ⅱ</b> 08'11		direct	7759 Nov 21 13:25	4° <b>™</b> 09'39	
max. Earth dist.	7757 Jun 14 04:48	28° <b>Ⅱ</b> 58'01	1.71813 AU	greatest brilliancy	7759 Dec 02 06:57	6°M15′26	-4.8m
	7757 Jun 15 00:39	0°®		asc. node	7759 Dec 24 18:59	20°M26'27	
asc. node	7757 Jul 08 22:45	29° <b>©</b> 47'59			7760 Jan 04 13:21	0° <b>∡</b> 7	
	7757 Jul 09 02:37	0°N		morning max el	7760 Jan 10 03:13	5° <b>₹</b> 22'52	46°08'35
evening rise	7757 Jul 19 22:20	13° <b>Ω</b> 25'16			7760 Feb 02 10:55	0°₹	
	7757 Aug 02 08:05	0° <b>m</b> )			7760 Feb 28 14:03	0° <b>≈</b>	
	7757 Aug 26 17:37	0∘ <b>亚</b>			7760 Mar 24 15:12	0° <b>)</b> {	
	7757 Sep 20 08:25	0° <b>™</b>		desc. node	7760 Apr 14 12:06	25° <b>)</b> € 30'55	
	7757 Oct 15 06:44	0° ⊀ <sup>7</sup>			7760 Apr 18 03:30	0° <b>Υ</b>	
desc. node	7757 Oct 28 16:12	15° <b>₹</b> 54'55			7760 May 12 09:08	0° <b>B</b>	
	7757 Nov 09 15:45	% ප			7760 Jun 05 12:01	0°II	
	7757 Dec 05 16:52	0° <b>≈</b>			7760 Jun 29 14:55	0°©	
	7758 Jan 02 00:39	0° <b>)</b> (	46024102	morning set	7760 Jul 14 07:05	18°©12'44	
evening max el	7758 Jan 14 14:57	12° <b>)</b> €53'41	46°34'02		7760 Jul 23 19:18	0°Ω	
	7758 Feb 02 09:24	0°Υ		asc. node	7760 Aug 05 10:42	15° <b>Ω</b> 38'50	
asc. node	7758 Feb 18 16:18	10° <b>Y</b> 59′29	4.0		7760 Aug 17 01:22	0° <b>™</b>	
greatest brilliancy	7758 Feb 23 22:12	13° <b>℃</b> 15'59	-4.9m			#0 *** 1 ···	0005:05
retrograde	7758 Mar 05 17:50	15°Υ05'33		superior conj	7760 Aug 21 07:14	5° <b>m</b> 14'39	
evening set	7758 Mar 21 23:44	9° <b>Υ</b> 58'06		minimum elong	7760 Aug 20 23:47	4° m 51'39	
inferior conj	7758 Mar 26 09:34	7° <b>Y</b> 19'15	7°47'25	max. Earth dist.	7760 Aug 22 21:42	7° m 13'27	1.73051 AU
minimum elong	7758 Mar 25 23:25	7° <b>Ƴ</b> 34'51	7°45'38		7760 Sep 10 08:47	0∘ <b>⊽</b>	

evening rise	7760 Sep 26 22:31	20° <b>£</b> 24'49		desc. node	7763 May 13 00:18	14° <b>Ƴ</b> 03'16	
	7760 Oct 04 17:37	0°M			7763 May 26 08:59	$B_{\circ O}$	
	7760 Oct 29 04:39	0° <b>∡</b> ¹			7763 Jun 20 04:04	$\Pi^{\circ}0$	
	7760 Nov 22 18:46	8°0			7763 Jul 14 18:03	0ංම	
desc. node	7760 Nov 25 04:00	2° <b>ප</b> 54'04			7763 Aug 08 06:20	0°N	
desc. Hode	7760 Dec 17 12:27	2°≈			7763 Sep 01 17:48	0° <b>m</b> )	
				1	=	-	
	7761 Jan 11 10:28	0° <b>)</b> €		asc. node	7763 Sep 02 22:44	1° m/28'42	
	7761 Feb 05 16:00	0° <b>Υ</b>		morning set	7763 Sep 22 22:08	26° Mp 00'31	
	7761 Mar 03 15:31	$9^{\circ}$ 8			7763 Sep 26 04:03	0∘ <b>ত</b>	
asc. node	7761 Mar 18 03:45	15° <b>8</b> 57'39			7763 Oct 20 12:49	0° <b>M</b>	
evening max el	7761 Mar 28 14:50	26° <b>8</b> 52'09	47°01'47	max. Earth dist.	7763 Oct 28 13:13	9°M53'04	1.73272 AU
	7761 Mar 31 18:01	$\Pi^{\circ}0$					
greatest brilliancy	7761 May 08 01:23	27° <b>Ⅲ</b> 56′25	-4.9m	superior conj	7763 Oct 29 12:15	11° <b>M</b> L04'04	1°25'52
retrograde	7761 May 18 05:09	29° <b>∏</b> 53'04		minimum elong	7763 Oct 29 12:36	11°ML05'09	1°25'56
evening set	7761 Jun 03 19:12	24° <b>I</b> I30'18		minimum crong	7763 Nov 13 20:31	0° <b>∡</b> 7	1 23 30
•			(045142				
inferior conj	7761 Jun 08 00:28	21° <b>I</b> I56'45		evening rise	7763 Dec 05 10:15	26° <b>∡</b> ³37'42	
minimum elong	7761 Jun 08 11:23	21° <b>∏</b> 39'55			7763 Dec 08 03:49	0° <b>ਰ</b>	
min. Earth dist.	7761 Jun 08 00:12	21° <b>Ⅱ</b> 57'10	0.27379 AU	desc. node	7763 Dec 23 15:50	19° <b>る</b> 08'15	
morning rise	7761 Jun 13 03:51	18° <b>Ⅱ</b> 52'29			7764 Jan 01 11:02	0° <b>≈</b>	
direct	7761 Jun 28 19:35	14° <b>Ⅱ</b> 06′21			7764 Jan 25 18:04	0° <b>∀</b>	
desc. node	7761 Jul 07 21:54	15° <b>Ⅱ</b> 39'33			7764 Feb 19 01:21	$0^{\circ}\mathbf{\Upsilon}$	
greatest brilliancy	7761 Jul 08 13:12	15° <b>Ⅱ</b> 52'29	-4.8m		7764 Mar 14 11:04	0°8	
<i>B. v</i>	7761 Jul 31 11:45	0°9			7764 Apr 08 04:15	0°II	
morning max el	7761 Aug 17 07:22	15° <b>©</b> 09'04	46°05'02	asc. node	7764 Apr 14 15:18	7° <b>Ⅱ</b> 43'52	
morning max ci	Č		40 03 02	asc. nouc	•	0°9	
	7761 Aug 31 23:44	$\Omega^{\circ}\Omega$			7764 May 03 14:29		
	7761 Sep 28 11:22	0° <b>т</b> р			7764 May 30 15:22	$0$ $\circ$ $\Omega$	
	7761 Oct 24 13:24	0∘ <b>ত</b>		evening max el	7764 Jun 08 12:07	9° <b>Ω</b> 05'56	46°29'58
asc. node	7761 Oct 28 21:10	5° <b>≏</b> 04'21			7764 Jul 02 03:11	0° <b>m</b> )	
	7761 Nov 18 20:29	$0^{\circ}$ M $_{\circ}$		greatest brilliancy	7764 Jul 17 09:46	8° <b>m</b> 50'11	-4.8m
	7761 Dec 13 14:58	0° <b>∡</b> ¹		retrograde	7764 Jul 28 10:58	11° <b>m</b> )05'10	
	7762 Jan 07 01:04	6°0		desc. node	7764 Aug 04 09:30	10° m 07'03	
	7762 Jan 31 05:40	0° <b>≈</b>		evening set	7764 Aug 12 13:54	6° m) 38'14	
morning set	7762 Feb 11 22:39	14° <b>≈</b> 35'44		min. Earth dist.	7764 Aug 18 04:15		0.28414 AU
desc. node	7762 Feb 17 13:44	21°≈37'30		inferior conj	7764 Aug 18 19:50	2° m/ 53'11	
desc. node				3	•	-	
	7762 Feb 24 06:27	0° <b>)</b> €		minimum elong	7764 Aug 18 12:38	3° mp 04'27	3°24'36
	7762 Mar 20 04:28	0° <b>Υ</b>			7764 Aug 23 13:33	30°R <b>Ω</b>	
max. Earth dist.	7762 Mar 23 04:14	3° <b>Y</b> 45′26	1.71261 AU	morning rise	7764 Aug 24 11:54	29° <b>Ω</b> 28'15	
				direct	7764 Sep 09 02:11	24° <b>Ω</b> 48'46	
superior conj	7762 Mar 24 13:00	5° <b>Y</b> 28'24	-1°12'25	greatest brilliancy	7764 Sep 18 20:32	26° <b>Ω</b> 31'38	-4.7m
minimum elong	7762 Mar 24 01:49	4° <b>Ƴ</b> 53'13	1°12'06		7764 Sep 26 15:57	0° <b>m</b> )	
•	7762 Apr 13 01:02	0°8		morning max el	7764 Oct 27 17:16	24° m/26'24	45°41'20
evening rise	7762 May 04 03:52	26° <b>8</b> 32'13		Č	7764 Nov 02 10:04	0∘ <b>⊽</b>	
evening rise	7762 May 06 22:06	0°II		asc. node	7764 Nov 25 09:13	24° <b>♀</b> 08'40	
	7762 May 30 21:51	0 . ಹ		asc. node	7764 Nov 30 16:04	0°ML	
	•	13° <b>©</b> 13'08					
asc. node	7762 Jun 10 12:52				7764 Dec 26 18:52	0° <b>∡</b> ¹	
	7762 Jun 24 02:16	$0$ $^{\circ}$ $\Omega$			7765 Jan 20 21:25	0° <b>ප</b>	
	7762 Jul 18 13:18	0° <b>™</b>			7765 Feb 14 10:40	0° <b>≈</b>	
	7762 Aug 12 09:53	0∘ <b>ত</b>			7765 Mar 10 16:04	0° <b>∀</b>	
	7762 Sep 06 21:36	0° <b>M</b> ₊		desc. node	7765 Mar 17 01:54	7° <b>¥</b> 58'57	
desc. node	7762 Sep 30 06:35	$26^{\circ}$ M27'01			7765 Apr 03 16:42	$0$ ° $\Upsilon$	
	7762 Oct 03 12:13	0° <b>∡</b> ¹			7765 Apr 27 14:45	$B_{\circ O}$	
evening max el	7762 Oct 31 22:31	29° <b>∡</b> ¹21'34	45°47'33	morning set	7765 Apr 29 02:36	1° <b>8</b> 52'35	
Č	7762 Nov 01 14:38	0°る		Č	7765 May 21 12:19	0°II	
greatest brilliancy	7762 Dec 10 06:28	27° <b>る</b> 36'34	4 8m		7700 may 21 12.15	Ÿ <b>—</b>	
-			-4.0111	aumariar aani	7765 Jun 00 04:20	220T00122	1904!24
retrograde	7762 Dec 19 17:15	29° <b>る</b> 13'59		superior conj	7765 Jun 08 04:29	22° <b>I</b> 108'32	
evening set	7763 Jan 03 21:58	24°₹47'17	2051150	minimum elong	7765 Jun 08 15:47	22° <b>I</b> I43'50	
inferior conj	7763 Jan 09 16:43	21° <b>る</b> 20'50		max. Earth dist.	7765 Jun 11 12:36		1.71766 AU
minimum elong	7763 Jan 09 22:56	21° <b>る</b> 11'11			7765 Jun 14 11:22	0ංම	
min. Earth dist.	7763 Jan 10 10:31	20° <b>る</b> 53'14	0.27706 AU	asc. node	7765 Jul 08 00:41	29° <b>5</b> 20'47	
morning rise	7763 Jan 15 23:12	17° <b>る</b> 36'54			7765 Jul 08 13:19	$0^{\circ}\Omega$	
asc. node	7763 Jan 21 06:38	15° <b>る</b> 07'57		evening rise	7765 Jul 17 13:13	11° <b>Ω</b> 09'35	
direct	7763 Jan 30 18:38	13° <b>る</b> 18'22		-	7765 Aug 01 18:49	0° <b>m</b> )	
greatest brilliancy	7763 Feb 10 17:32	15° <b>る</b> 32'32	-4.9m		7765 Aug 26 04:29	0∘ <mark>ಹ</mark>	
J	7763 Mar 04 23:33	0°≈			7765 Sep 19 19:36	0° <b>M</b> ₊	
morning max el	7763 Mar 22 05:15		46°51'47		7765 Oct 14 18:30	0° <b>⊼</b> ¹	
morning max ci			TO 51 T/	daga mada			
	7763 Apr 04 11:06	0° <b>)</b> €		desc. node	7765 Oct 27 18:17	15° <b>₹</b> 24'50	
	7763 May 01 01:09	$0$ ° $\mathbf{\Upsilon}$			7765 Nov 09 04:36	0° <b>ප</b>	

	7765 Dec 05 07:43	0° <b>≈</b>			7768 Jun 29 01:59	0° <b>©</b>	
	7766 Jan 01 19:59	0° <b>∺</b>		morning set	7768 Jul 11 21:58	15° <b>©</b> 56'05	
evening max el	7766 Jan 12 04:30	10° <b>)</b> (31'43	46°32'21	morning set	7768 Jul 23 06:12	0°Ω	
evening max er	7766 Feb 02 23:43	0°Υ	40 32 21	asc. node	7768 Aug 04 12:35	15° <b>Ω</b> 11'11	
asc. node	7766 Feb 17 18:16	9° <b>Υ</b> 18'21		use. Houe	7768 Aug 16 12:10	0° m	
greatest brilliancy	7766 Feb 21 10:26	10° <b>Y</b> 49'05	-4.9m		,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	v <b>y</b>	
retrograde	7766 Mar 03 06:52	12° <b>Y</b> 39'23		superior conj	7768 Aug 18 23:34	3° m 03'31	0°34'00
evening set	7766 Mar 19 08:00	7° <b>Y</b> 37'49		minimum elong	7768 Aug 18 16:37	2° m/42'00	0°33'38
inferior conj	7766 Mar 23 22:14	4° <b>Y</b> 52'59	7°33'53	max. Earth dist.	7768 Aug 20 18:36	5° Mp 16'24	1.73020 AU
minimum elong	7766 Mar 23 11:43	5° <b>Ƴ</b> 09'06	7°31'57		7768 Sep 09 19:33	0∘ <b>⊽</b>	
min. Earth dist.	7766 Mar 23 15:39	5° <b>Ƴ</b> 03'04	0.26970 AU	evening rise	7768 Sep 24 16:18	18° <b>≏</b> 18'33	
morning rise	7766 Mar 27 15:24	2° <b>Y</b> 38'15			7768 Oct 04 04:28	0° <b>M</b> ₊	
	7766 Apr 01 13:59	30° <b>₹</b> ₩			7768 Oct 28 15:41	0° <b>∡</b> ¹	
direct	7766 Apr 13 12:09	27° <b>)</b> €06'12			7768 Nov 22 06:09	0°ප	
greatest brilliancy	7766 Apr 23 04:28	28° <b>¥</b> 52'37	-4.9m	desc. node	7768 Nov 24 06:00	2° <b>る</b> 25'27	
	7766 Apr 26 00:51	$0$ ° $\mathbf{\Upsilon}$			7768 Dec 17 00:23	0° <b>≈</b>	
morning max el	7766 Jun 02 21:51	29° <b>Ƴ</b> 45'53	46°51'11		7769 Jan 10 23:13	0° <b>∀</b>	
	7766 Jun 03 03:29	$9^{\circ}$ 8			7769 Feb 05 06:08	$0^{\circ}$ Y	
desc. node	7766 Jun 09 12:14	6° <b>8</b> 30'22			7769 Mar 03 08:23	0°8	
	7766 Jul 01 03:40	$\Pi^{\circ}0$		asc. node	7769 Mar 17 05:47	15° <b>8</b> 10'31	
	7766 Jul 27 07:25	0°€		evening max el	7769 Mar 26 05:29	24° <b>8</b> 30'31	47°01'39
	7766 Aug 21 18:20	$0^{\circ}\Omega$			7769 Mar 31 18:36	$\Pi$ $^{\circ}0$	
	7766 Sep 15 20:33	0° <b>m</b> p		greatest brilliancy	7769 May 05 16:08	25° <b>Ⅱ</b> 33'40	-4.9m
asc. node	7766 Sep 30 10:59	17° Mp 36'31		retrograde	7769 May 15 18:56	27° <b>Ⅲ</b> 29'02	
	7766 Oct 10 16:18	0∘ <b>ट</b>		evening set	7769 Jun 01 12:13	22° <b>Ⅱ</b> 01'57	
	7766 Nov 04 06:17	0°M₊		inferior conj	7769 Jun 05 13:53	19° <b>Ⅲ</b> 33'25	7°01'18
	7766 Nov 28 15:33	0°⊀		minimum elong	7769 Jun 06 00:42	19° <b>Ⅱ</b> 16'41	6°58'58
morning set	7766 Nov 30 09:15	2° <b>∡</b> ′08'41		min. Earth dist.	7769 Jun 05 13:44	19° <b>Ⅲ</b> 33'39	0.27358 AU
	7766 Dec 22 21:26	0°₹		morning rise	7769 Jun 10 13:28	16° <b>Ⅲ</b> 34'14	
max. Earth dist.	7767 Jan 04 07:20	15° <b>る</b> 24'20	1.72398 AU	direct	7769 Jun 26 09:00	11° <b>Ⅱ</b> 43'34	
				greatest brilliancy	7769 Jul 06 01:43	13° <b>Ⅲ</b> 28'52	-4.8m
superior conj	7767 Jan 06 21:18	18°₹36'51	0°31'25	desc. node	7769 Jul 06 23:45	13° <b>Ⅱ</b> 48'46	
minimum elong	7767 Jan 07 04:14	18° <b>පි</b> 58'24	0°31'12		7769 Jul 31 21:02	0°©	1.000.012.0
1 1	7767 Jan 16 00:59	0° <b>≈</b> 5° <b>≈</b> 07'16		morning max el	7769 Aug 14 21:04	12° <b>©</b> 49'29	46°06'30
desc. node	7767 Jan 20 03:43				7769 Aug 31 18:12	0° <b>N</b>	
avanina rica	7767 Feb 09 02:36 7767 Feb 15 02:58	0° <b>₩</b> 7° <b>₩</b> 30'52			7769 Sep 28 01:55 7769 Oct 24 02:11	0 <b>் ம</b> 0 <b>் மி</b>	
evening rise	7767 Mar 05 02:35	7 <b>π</b> 3032		asc. node	7769 Oct 27 23:08	0 <u>≈</u> 4° <b>Ω</b> 33'02	
	7767 Mar 29 02:06	0°8		asc. node	7769 Nov 18 08:21	4 <b>==</b> 33 02 0° <b>I</b> L	
	7767 Apr 22 03:35	0°II			7769 Dec 13 02:21	0° <b>⊼</b> ¹	
asc. node	7767 May 13 03:04	25° <b>I</b> I56'06			7770 Jan 06 12:12	% ਰ∘ਰ	
ase. node	7767 May 15 03:04 7767 May 16 10:30	0°95			7770 Jan 30 16:41	0° <b>≈</b>	
	7767 Jun 10 03:24	$0 {\circ} \Omega$		morning set	7770 Feb 09 11:34	12° <b>≈</b> 11'57	
	7767 Jul 05 13:24	0° mp		desc. node	7770 Feb 16 15:45	21° <b>≈</b> 09'30	
	7767 Aug 01 08:43	0∘ <b>⊽</b>			7770 Feb 23 17:26	0° <b>)</b> €	
evening max el	7767 Aug 19 04:53	18° <b>≏</b> 18′28	45°46'49		7770 Mar 19 15:28	0° <b>Υ</b>	
<i>5</i>	7767 Aug 31 23:28	0° <b>M</b>		max. Earth dist.	7770 Mar 20 08:20		1.71284 AU
desc. node	7767 Sep 01 21:10	0°M45'59					
greatest brilliancy	7767 Sep 26 21:05	16°M39'52	-4.7m	superior conj	7770 Mar 22 00:15	2° <b>Y</b> 58'21	-1°10'07
retrograde	7767 Oct 07 04:55	18° <b>M</b> 35'17		minimum elong	7770 Mar 21 12:46	2° <b>Y</b> ′22'16	1°09'47
evening set	7767 Oct 25 09:31	12°M22'11			7770 Apr 12 12:07	0°B	
inferior conj	7767 Oct 28 16:49	10°M19'07	-8°37'21	evening rise	7770 May 01 14:28	23° <b>8</b> 59'51	
minimum elong	7767 Oct 28 16:53	10°MJ19'01	8°37'17		7770 May 06 09:16	$\Pi^{\circ}0$	
min. Earth dist.	7767 Oct 28 20:35	10°M13'12	0.29146 AU		7770 May 30 09:06	$0$ $\circ$ $\odot$	
morning rise	7767 Nov 01 00:13	8°M15'54		asc. node	7770 Jun 09 14:44	12° <b>5</b> 43'50	
direct	7767 Nov 19 06:22	2°M00'22			7770 Jun 23 13:41	$0 {\circ} \Omega$	
greatest brilliancy	7767 Nov 29 21:32	4°M04'13	-4.8m		7770 Jul 18 01:02	0° <b>m</b> )	
asc. node	7767 Dec 23 20:52	19°M25'48			7770 Aug 11 22:15	0∘ <b>亚</b>	
	7768 Jan 04 12:51	0° <b>∡</b>			7770 Sep 06 11:10	0° <b>M</b>	
morning max el	7768 Jan 07 19:24	3° <b>∡</b> 11′06	46°06'55	desc. node	7770 Sep 29 08:39	25° <b>™</b> 49'27	
	7768 Feb 02 03:00	0°る			7770 Oct 03 04:25	0° <b>∡</b> ¹	
	7768 Feb 28 03:46	0° <b>≈</b>		evening max el	7770 Oct 29 12:09	27° <b>∡</b> *04'14	45°46'37
, .	7768 Mar 24 03:50	0° <b>)</b> ( 00107			7770 Nov 01 14:35	0°る	4.0
desc. node	7768 Apr 13 14:10	25° <b>₩</b> 00'07		greatest brilliancy	7770 Dec 07 21:22	25° <b>る</b> 20'20	-4.8m
	7768 Apr 17 15:30	$^{\circ \gamma}$		retrograde	7770 Dec 17 06:42	26° <b>ろ</b> 56'56	
	7768 May 11 20:43	0° <b>Β</b>		evening set	7771 Jan 01 14:33	22° <b>る</b> 26'41	2012127
	7768 Jun 04 23:18	0°П		inferior conj	7771 Jan 07 07:16	19° <b>る</b> 03'11	-3-12-37

minimum elong	7771 Jan 07 14:08	18° <b>る</b> 52'32	2010/20		7773 Jun 13 22:16	0°9	
min. Earth dist.	7771 Jan 08 02:08	18° <b>る</b> 33'55	0.27760 AU	asc. node	7773 Jul	28° <b>9</b> 52'57	
morning rise	7771 Jan 13 12:54	15° <b>る</b> 20'02	0.27700 AC	asc. node	7773 Jul 08 00:13	0°Ω	
asc. node	7771 Jan 20 08:34	13° <b>ろ</b> 18'12		evening rise	7773 Jul 15 04:07	8° <b>Ω</b> 53'12	
direct	7771 Jan 28 09:06	10°る59'43		evening rise	7773 Aug 01 05:48	0°m	
greatest brilliancy	7771 Feb 08 10:00	13° <b>る</b> 15'22	-4 8m		7773 Aug 25 15:39	0∘ <b>ಹ</b>	
greatest similare	7771 Mar 05 07:09	0°≈			7773 Sep 19 07:06	0°M	
morning max el	7771 Mar 19 18:55	13° <b>≈</b> 44'23	46°50'47		7773 Oct 14 06:37	0° <b>∡</b> 7	
C	7771 Apr 04 05:23	0° <b>∀</b>		desc. node	7773 Oct 26 20:13	14° <b>₹</b> 53'19	
	7771 Apr 30 15:56	$0^{\circ}\mathbf{\Upsilon}$			7773 Nov 08 17:49	6°0	
desc. node	7771 May 12 02:17	13° <b>Ƴ</b> 27'47			7773 Dec 04 23:02	0° <b>≈</b>	
	7771 May 25 22:13	$8^{\circ}$ 0			7774 Jan 01 16:09	0° <b>)</b> €	
	7771 Jun 19 16:27	$\Pi^{\circ}0$		evening max el	7774 Jan 09 18:51	8° <b>升</b> 11′26	46°30'44
	7771 Jul 14 05:51	0°ಅ			7774 Feb 03 19:07	$0$ ° $\Upsilon$	
	7771 Aug 07 17:44	$0^{\circ}\Omega$		asc. node	7774 Feb 16 20:22	7° <b>Ƴ</b> 33'08	
	7771 Sep 01 04:53	0° <b>m</b>		greatest brilliancy	7774 Feb 18 22:22	8° <b>Ƴ</b> 21'43	-4.9m
asc. node	7771 Sep 02 00:49	1° <b>m</b> 01'09		retrograde	7774 Feb 28 20:12	10° <b>Ƴ</b> 12'53	
morning set	7771 Sep 20 15:03	23° Mp 51'23		evening set	7774 Mar 16 16:30	5° <b>Ƴ</b> 17'14	
	7771 Sep 25 14:57	0∘ <b>ত</b>		inferior conj	7774 Mar 21 10:55	2° <b>Y</b> 26′26	7°19'35
	7771 Oct 19 23:38	0° <b>M</b>		minimum elong	7774 Mar 21 00:07	2° <b>Y</b> 42'58	7°17'28
max. Earth dist.	7771 Oct 26 07:26	7° <b>M</b> 47'57	1.73286 AU	min. Earth dist.	7774 Mar 21 04:09	2° <b>Y</b> 36'48	0.26964 AU
				morning rise	7774 Mar 25 07:46	0° <b>Υ</b> 06'34	
superior conj	7771 Oct 27 05:51	8°M57'03	1°25'51		7774 Mar 25 12:18	30° <b>₹</b>	
minimum elong	7771 Oct 27 05:29	8°M55'56	1°25'57	direct	7774 Apr 11 01:28	24° <b>)</b> (39′39	
	7771 Nov 13 07:22	0° <b>∡</b>		greatest brilliancy	7774 Apr 20 17:23	26° <b>)</b> € 26'14	-4.9m
evening rise	7771 Dec 03 02:26	24° <b>₹</b> 25'45			7774 Apr 28 10:19	0°Υ 25°202 ****	46050115
	7771 Dec 07 14:47	0°る		morning max el	7774 May 31 12:20	27° <b>Y</b> 24'41	46°52'17
desc. node	7771 Dec 22 17:43	18° <b>る</b> 39'49			7774 Jun 03 01:51	0° <b>8</b>	
	7771 Dec 31 22:13	0° <b>≈</b> 0° <b>∀</b>		desc. node	7774 Jun 08 14:05	5° <b>႘</b> 41'51 0° <b>Ⅱ</b>	
	7772 Jan 25 05:32 7772 Feb 18 13:12	0° <b>π</b> 0° <b>Υ</b>			7774 Jun 30 19:46 7774 Jul 26 21:06	0ಂខ ೧.π	
	7772 Mar 13 23:29	0°8			7774 Aug 21 06:46	0° <b>U</b>	
	7772 Mai 13 23.29 7772 Apr 07 17:35	0°II			7774 Aug 21 00:40 7774 Sep 15 08:15	0° <b>m</b>	
asc. node	7772 Apr 13 17:20	7° <b>Ⅱ</b> 09'09		asc. node	7774 Sep 19 08:15	17° <b>m</b> y 07'58	
asc. Houc	7772 May 03 05:37	0°9		asc. node	7774 Oct 10 03:32	0° <b>⊽</b>	
	7772 May 30 10:59	0° <b>U</b>			7774 Oct 10 03:32 7774 Nov 03 17:15	o° <b>m</b> .	
evening max el	7772 Jun 06 02:15	6° <b>Ω</b> 46'12	46°31'32	morning set	7774 Nov 28 02:02	29° <b>M</b> 59'00	
e venning man er	7772 Jul 02 23:15	0°m/	.0 3132	morning sec	7774 Nov 28 02:21	0° <b>⊼</b> ¹	
greatest brilliancy	7772 Jul 15 01:43	6° Mp 35'38	-4.8m		7774 Dec 22 08:13	0° <b>ਰ</b>	
retrograde	7772 Jul 26 02:36	8° m 50'54		max. Earth dist.	7775 Jan 01 23:16		1.72438 AU
desc. node	7772 Aug 03 11:33	7° m/26'02					
evening set	7772 Aug 10 04:16	4° m 25'17		superior conj	7775 Jan 04 11:52	16° <b>る</b> 19'22	0°34'42
inferior conj	7772 Aug 16 11:13	0° <b>т</b> у39'23	-3°07'09	minimum elong	7775 Jan 04 19:21	16° <b>る</b> 42'37	0°34'29
minimum elong	7772 Aug 16 04:35	0° <b>™</b> 49'45	3°05'19		7775 Jan 15 11:50	0° <b>≈</b>	
min. Earth dist.	7772 Aug 15 20:06	1° <b>m</b> 02'58	0.28370 AU	desc. node	7775 Jan 19 05:43	4° <b>≈</b> 39'42	
	7772 Aug 17 12:30	30° <b>R</b> €			7775 Feb 08 13:33	0° <b>ℋ</b>	
morning rise	7772 Aug 22 05:23	27° <b>Ω</b> 11'46		evening rise	7775 Feb 12 15:49	5° <b>)</b> €06'47	
direct	7772 Sep 06 16:37	22° <b>Ω</b> 35'22			7775 Mar 04 13:41	0° <b>Υ</b>	
greatest brilliancy	7772 Sep 16 12:01	24° <b>Ω</b> 19'09	-4.7m		7775 Mar 28 13:23	0°B	
	7772 Sep 28 02:12	0° <b>т</b> р			7775 Apr 21 15:07	$\Pi^{\circ 0}$	
morning max el	7772 Oct 25 08:28	22° m 13'45	45°41'26	asc. node	7775 May 12 04:56	25° <b>Ⅱ</b> 25'25	
	7772 Nov 02 06:22	0∘ <b>⊽</b>			7775 May 15 22:26	0°©	
asc. node	7772 Nov 24 11:09	23° <b>△</b> 30'42			7775 Jun 09 16:01	0° <b>N</b>	
	7772 Nov 30 07:07	0°M			7775 Jul 05 03:23	0° Mp	
	7772 Dec 26 07:57	0°る 2°0		avanis 1	7775 Aug 01 01:58	0∘ <b>⊽</b>	45047120
	7773 Jan 20 09:34			evening max el	7775 Aug 16 21:16	16° <b>£</b> 08'40	45°47'38
	7773 Feb 13 22:18 7773 Mar 10 03:26	0° <b>≫</b>		desc. node	7775 Aug 31 23:12	29° <b>≏</b> 46'43 0° <b>™</b>	
desc. node	7773 Mar 10 03:26 7773 Mar 16 03:57	0° <del>X</del> 7° <del>X</del> 30'07		greatest brilliancy	7775 Sep 01 05:39 7775 Sep 24 11:51	บริกัน 14° <b>M</b> 29'26	-4.7m
uese. Hout	7773 Apr 03 03:53	0° <b>Υ</b>		retrograde	7775 Oct 04 20:54	14°11629'28 16°1625'43	~→. /111
morning set	7773 Apr 26 13:36	0 γ 29° <b>Υ</b> 21'42		evening set	7775 Oct 04 20:34 7775 Oct 23 00:47	10 IIC23 43 10°IIC14'01	
morning set	7773 Apr 27 01:48	0° <b>8</b>		inferior conj	7775 Oct 26 09:02	8°M09'16	-8°36'54
	7773 May 20 23:16	0°II		minimum elong	7775 Oct 26 08:18	8°M10'24	
	20 20.10			min. Earth dist.	7775 Oct 26 11:21	8°M05'37	0.29158 AU
superior conj	7773 Jun 05 17:13	19° <b>Ⅱ</b> 44'06	-1°07'03	morning rise	7775 Oct 29 15:50	6° <b>M</b> 06'47	
minimum elong	7773 Jun 06 04:28	20° <b>Ⅱ</b> 19'17		<i>3</i>	7775 Nov 14 04:29	30° <b>Ŗ</b> Ω	
max. Earth dist.	7773 Jun 08 22:22		1.71726 AU	direct	7775 Nov 16 23:11	29° <b>≙</b> 50'48	

	7775 Nov. 10, 19.44	0° <b>M</b>			7779 Jun 22 00:49	0°N	
greatest brilliancy	7775 Nov 19 18:44 7775 Nov 27 12:07	1°M52'34	-4.8m		7778 Jun 23 00:48 7778 Jul 17 12:29	0° <b>m</b> y	
asc. node	7775 Dec 22 22:50	18°M26'27	-4.0111		7778 Aug 11 10:19	0∘ <del>ত</del> بالا	
asc. Houc	7776 Jan 04 11:27	0° <b>√</b>			7778 Sep 06 00:29	0° <b>M</b>	
morning max el	7776 Jan 05 10:39		46°05'19	desc. node	7778 Sep 28 10:36	25°M12'29	
morning max cr	7776 Feb 01 18:49	0°る	40 03 17	dese. Hode	7778 Oct 02 20:28	0° <b>√</b>	
	7776 Feb 27 17:18	0° <b>≈</b>		evening max el	7778 Oct 27 01:25	24° <b>х</b> 47'19	45°45'42
	7776 Mar 23 16:16	0° <b>)</b> €			7778 Nov 01 15:12	0°ප	
desc. node	7776 Apr 12 16:03	24° <b>)</b> €29'20		greatest brilliancy	7778 Dec 05 11:30	23° <b>る</b> 04'20	-4.8m
	7776 Apr 17 03:19	$0^{\circ}\mathbf{Y}$		retrograde	7778 Dec 14 20:26	24° <b>る</b> 40'56	
	7776 May 11 08:07	0°8		evening set	7778 Dec 30 07:06	20° <b>る</b> 06'35	
	7776 Jun 04 10:26	$\Pi^{\circ}0$		inferior conj	7779 Jan 04 21:42	16° <b>පි</b> 46'14	-3°32'49
	7776 Jun 28 12:53	$0$ $\circ$ $\odot$		minimum elong	7779 Jan 05 05:10	16° <b>る</b> 34'39	3°30'34
morning set	7776 Jul 09 12:58	13° <b>©</b> 40'11		min. Earth dist.	7779 Jan 05 17:25	16° <b>ප</b> 15'41	0.27824 AU
	7776 Jul 22 16:56	$0$ $^{\circ}\Omega$		morning rise	7779 Jan 11 02:22	13° <b>る</b> 04'22	
asc. node	7776 Aug 03 14:40	14° <b>Ω</b> 44'41		asc. node	7779 Jan 19 10:41	9° <b>る</b> 33'58	
	7776 Aug 15 22:47	O° My		direct	7779 Jan 25 23:41	8° <b>る</b> 41'33	
				greatest brilliancy	7779 Feb 06 02:30	10° <b>る</b> 58'57	-4.8m
superior conj	7776 Aug 16 16:02	0° mp 53′18	0°30'54		7779 Mar 05 12:19	0° <b>≈</b>	
minimum elong	7776 Aug 16 09:36	0° Mp 33′25	0°30'31	morning max el	7779 Mar 17 09:24	11° <b>≈</b> 24'12	46°49'46
max. Earth dist.	7776 Aug 18 15:31		1.72987 AU		7779 Apr 03 23:03	0° <b>∀</b>	
	7776 Sep 09 06:08	0∘ <b>⊽</b>			7779 Apr 30 06:18	0° <b>Υ</b>	
evening rise	7776 Sep 22 10:08	16° <b>£</b> 13'01		desc. node	7779 May 11 04:13	12° <b>Y</b> 53′12	
	7776 Oct 03 15:08	0°M 0°. <b>₹</b>			7779 May 25 11:05	8°0	
	7776 Oct 28 02:36	0°♂			7779 Jun 19 04:25	0°€ 0°∏	
desc. node	7776 Nov 21 17:27 7776 Nov 23 07:53	0°る 1°る56'42			7779 Jul 13 17:14	0°€	
desc. node	7776 Dec 16 12:16	0°≈			7779 Aug 07 04:42 7779 Aug 31 15:35	0° <b>m</b> y	
	7777 Jan 10 11:57	0 <b>∞</b> 0° <b>∀</b>		asc. node	7779 Sep 01 02:44	0°Mp34'14	
	7777 Feb 04 20:17	0° <b>Υ</b>		morning set	7779 Sep 18 08:05	21° Mp 43'44	
	7777 Mar 03 01:24	0°8		morning set	7779 Sep 25 01:28	0° <b>ت</b>	
asc. node	7777 Mar 16 07:47	14° <b>8</b> 23'15			7779 Oct 19 10:05	0°M	
evening max el	7777 Mar 23 19:03	22° <b>8</b> 06'38	47°01'32	max. Earth dist.	7779 Oct 24 03:23		1.73297 AU
<b>3</b>		0°Щ					
	//// Mar 31 20:11	0-Д					
greatest brilliancy	7777 Mar 31 20:11 7777 May 03 07:11	0°Д 23°Д11'53	-4.9m	superior conj	7779 Oct 24 23:41	6°M51'52	1°25'44
greatest brilliancy retrograde	7777 May 03 07:11 7777 May 13 08:04		-4.9m	superior conj minimum elong	7779 Oct 24 23:41 7779 Oct 24 22:37		1°25'44 1°25'49
greatest brilliancy retrograde evening set	7777 May 03 07:11	23° <b>I</b> I11'53	-4.9m				
retrograde	7777 May 03 07:11 7777 May 13 08:04	23°Д11'53 25°Д05'38	-4.9m 7°16'11		7779 Oct 24 22:37	6°M48'36	
retrograde evening set	7777 May 03 07:11 7777 May 13 08:04 7777 May 30 05:13	23°Д11'53 25°Д05'38 19°Д34'07		minimum elong	7779 Oct 24 22:37 7779 Nov 12 17:50	6°M48'36 0°⊀	
retrograde evening set inferior conj	7777 May 03 07:11 7777 May 13 08:04 7777 May 30 05:13 7777 Jun 03 03:18 7777 Jun 03 13:56 7777 Jun 03 03:30	23° II 11'53 25° II 05'38 19° II 34'07 17° II 10'46 16° II 54'18	7°16'11	minimum elong	7779 Oct 24 22:37 7779 Nov 12 17:50 7779 Nov 30 18:57	6°M48'36 0°♂ 22°√16'06	
retrograde evening set inferior conj minimum elong	7777 May 03 07:11 7777 May 13 08:04 7777 May 30 05:13 7777 Jun 03 03:18 7777 Jun 03 13:56	23° II 11'53 25° II 05'38 19° II 34'07 17° II 10'46 16° II 54'18 17° II 10'28 14° II 16'57	7°16'11 7°14'01	minimum elong evening rise	7779 Oct 24 22:37 7779 Nov 12 17:50 7779 Nov 30 18:57 7779 Dec 07 01:23	6°M48'36 0°♂ 22°♂16'06 0°♂ 18°♂13'06 0°≈	
retrograde evening set inferior conj minimum elong min. Earth dist. morning rise direct	7777 May 03 07:11 7777 May 13 08:04 7777 May 30 05:13 7777 Jun 03 03:18 7777 Jun 03 13:56 7777 Jun 03 03:30 7777 Jun 07 22:52 7777 Jun 23 21:57	23° II 11'53 25° II 05'38 19° II 34'07 17° II 10'46 16° II 54'18 17° II 10'28 14° II 16'57 9° II 21'17	7°16'11 7°14'01	minimum elong evening rise	7779 Oct 24 22:37 7779 Nov 12 17:50 7779 Nov 30 18:57 7779 Dec 07 01:23 7779 Dec 21 19:48 7779 Dec 31 09:02 7780 Jan 24 16:42	6°M48'36 0°♂ 22°♂16'06 0°♂ 18°♂13'06 0°≈ 0°∺	
retrograde evening set inferior conj minimum elong min. Earth dist. morning rise direct greatest brilliancy	7777 May 03 07:11 7777 May 13 08:04 7777 May 30 05:13 7777 Jun 03 03:18 7777 Jun 03 13:56 7777 Jun 03 03:30 7777 Jun 07 22:52 7777 Jun 23 21:57 7777 Jul 03 14:47	23° II 11'53 25° II 05'38 19° II 34'07 17° II 10'46 16° II 54'18 17° II 10'28 14° II 16'57 9° II 21'17 11° II 06'24	7°16'11 7°14'01	minimum elong evening rise	7779 Oct 24 22:37 7779 Nov 12 17:50 7779 Nov 30 18:57 7779 Dec 07 01:23 7779 Dec 21 19:48 7779 Dec 31 09:02 7780 Jan 24 16:42 7780 Feb 18 00:49	6°M48'36 0°ダ 22°ダ16'06 0°℧ 18°℧13'06 0°≈ 0°升 0°介	
retrograde evening set inferior conj minimum elong min. Earth dist. morning rise direct	7777 May 03 07:11 7777 May 13 08:04 7777 May 30 05:13 7777 Jun 03 03:18 7777 Jun 03 13:56 7777 Jun 03 03:30 7777 Jun 07 22:52 7777 Jun 23 21:57 7777 Jul 03 14:47 7777 Jul 06 01:50	23° II 11'53 25° II 05'38 19° II 34'07 17° II 10'46 16° II 54'18 17° II 10'28 14° II 16'57 9° II 21'17 11° II 06'24 12° II 03'04	7°16'11 7°14'01 0.27337 AU	minimum elong evening rise	7779 Oct 24 22:37 7779 Nov 12 17:50 7779 Nov 30 18:57 7779 Dec 07 01:23 7779 Dec 21 19:48 7779 Dec 31 09:02 7780 Jan 24 16:42 7780 Feb 18 00:49 7780 Mar 13 11:42	6°M48'36 0°ズ 22°ズ16'06 0°云 18°云13'06 0°≈ 0°升 0°쒸	
retrograde evening set inferior conj minimum elong min. Earth dist. morning rise direct greatest brilliancy desc. node	7777 May 03 07:11 7777 May 13 08:04 7777 May 30 05:13 7777 Jun 03 03:18 7777 Jun 03 03:30 7777 Jun 07 22:52 7777 Jun 08 14:47 7777 Jul 06 01:50 7777 Aug 01 03:25	23° ∏11'53 25° ∏05'38 19° ∏34'07 17° ∏10'46 16° ∏54'18 17° ∏10'28 14° ∏16'57 9° ∏21'17 11° ∏06'24 12° ∏03'04 0° ❤	7°16'11 7°14'01 0.27337 AU -4.8m	minimum elong evening rise desc. node	7779 Oct 24 22:37 7779 Nov 12 17:50 7779 Nov 30 18:57 7779 Dec 07 01:23 7779 Dec 21 19:48 7779 Dec 31 09:02 7780 Jan 24 16:42 7780 Feb 18 00:49 7780 Mar 13 11:42 7780 Apr 07 06:47	6°M48'36 0°♂ 22°♂16'06 0°♂ 18°♂13'06 0°≈ 0°∀ 0°Y 0°Y	
retrograde evening set inferior conj minimum elong min. Earth dist. morning rise direct greatest brilliancy	7777 May 03 07:11 7777 May 13 08:04 7777 May 30 05:13 7777 Jun 03 03:18 7777 Jun 03 03:30 7777 Jun 07 22:52 7777 Jun 07 22:52 7777 Jun 08 14:47 7777 Jul 08 01:50 7777 Aug 01 03:25 7777 Aug 12 10:04	23° II 11'53 25° II 05'38 19° II 34'07 17° II 10'46 16° II 54'18 17° II 10'28 14° II 16'57 9° II 21'17 11° II 06'24 12° II 03'04 0° II 10' II 06' 14' 10° II 08' 14'	7°16'11 7°14'01 0.27337 AU	minimum elong evening rise	7779 Oct 24 22:37 7779 Nov 12 17:50 7779 Nov 30 18:57 7779 Dec 07 01:23 7779 Dec 21 19:48 7779 Dec 31 09:02 7780 Jan 24 16:42 7780 Feb 18 00:49 7780 Mar 13 11:42 7780 Apr 07 06:47 7780 Apr 12 19:13	6°M48'36 0°ズ 22°ズ16'06 0°云 18°云13'06 0°≈ 0°光 0°Y 0°Y 0°B 0°Ⅱ 6°Ⅱ34'32	
retrograde evening set inferior conj minimum elong min. Earth dist. morning rise direct greatest brilliancy desc. node	7777 May 03 07:11 7777 May 13 08:04 7777 May 30 05:13 7777 Jun 03 03:18 7777 Jun 03 13:56 7777 Jun 03 03:30 7777 Jun 07 22:52 7777 Jun 03 14:47 7777 Jul 06 01:50 7777 Aug 01 03:25 7777 Aug 12 10:04 7777 Aug 31 11:52	23° II 11'53 25° II 05'38 19° II 34'07 17° II 10'46 16° II 54'18 17° II 10'28 14° II 16'57 9° II 21'17 11° II 06'24 12° II 03'04 0° II 10' II 06'24 10° II 28' II 03'04 0° II 00' II 06' I	7°16'11 7°14'01 0.27337 AU -4.8m	minimum elong evening rise desc. node	7779 Oct 24 22:37 7779 Nov 12 17:50 7779 Nov 30 18:57 7779 Dec 07 01:23 7779 Dec 21 19:48 7779 Dec 31 09:02 7780 Jan 24 16:42 7780 Feb 18 00:49 7780 Mar 13 11:42 7780 Apr 07 06:47 7780 Apr 12 19:13 7780 May 02 20:41	6°M.48'36 0° ₹ 22° ₹16'06 0° ₹ 18° ₹313'06 0° ≈ 0° ¥ 0° ¥ 0° ¥ 0° ¶ 6° \$\textbf{I}\text{34'32} 0° \$\text{9}	
retrograde evening set inferior conj minimum elong min. Earth dist. morning rise direct greatest brilliancy desc. node	7777 May 03 07:11 7777 May 13 08:04 7777 May 30 05:13 7777 Jun 03 03:18 7777 Jun 03 13:56 7777 Jun 03 03:30 7777 Jun 07 22:52 7777 Jun 03 14:47 7777 Jul 06 01:50 7777 Aug 01 03:25 7777 Aug 12 10:04 7777 Aug 31 11:52 7777 Sep 27 15:56	23° II 11'53 25° II 05'38 19° II 34'07 17° II 10'46 16° II 54'18 17° II 10'28 14° II 16'57 9° II 21'17 11° II 06'24 12° II 03'04 0° II 10° II 28'48 0° II 0° II 0° II 00' II	7°16'11 7°14'01 0.27337 AU -4.8m	minimum elong evening rise desc. node	7779 Oct 24 22:37 7779 Nov 12 17:50 7779 Nov 30 18:57 7779 Dec 07 01:23 7779 Dec 21 19:48 7779 Dec 31 09:02 7780 Jan 24 16:42 7780 Feb 18 00:49 7780 Mar 13 11:42 7780 Apr 07 06:47 7780 Apr 12 19:13 7780 May 02 20:41 7780 May 30 06:52	6°M.48'36 0° ₹ 22° ₹ 16'06 0° ₹ 18° ₹ 13'06 0° ≈ 0° ¥ 0° ¥ 0° ¥ 0° ¶ 6° ∏34'32 0° \$ 0° \$ 0° \$	1°25'49
retrograde evening set inferior conj minimum elong min. Earth dist. morning rise direct greatest brilliancy desc. node morning max el	7777 May 03 07:11 7777 May 13 08:04 7777 May 30 05:13 7777 Jun 03 03:18 7777 Jun 03 13:56 7777 Jun 03 03:30 7777 Jun 07 22:52 7777 Jun 03 14:47 7777 Jul 06 01:50 7777 Aug 01 03:25 7777 Aug 12 10:04 7777 Aug 31 11:52 7777 Sep 27 15:56 7777 Oct 23 14:34	23° M 11'53 25° M 05'38 19° M 34'07 17° M 10'46 16° M 54'18 17° M 10'28 14° M 16'57 9° M 21'17 11° M 06'24 12° M 03'04 0° 9 10° 928'48 0° \$\hat{O}\$ 0° \$\mathred{m}\$	7°16'11 7°14'01 0.27337 AU -4.8m	minimum elong evening rise desc. node	7779 Oct 24 22:37 7779 Nov 12 17:50 7779 Nov 30 18:57 7779 Dec 07 01:23 7779 Dec 21 19:48 7779 Dec 31 09:02 7780 Jan 24 16:42 7780 Feb 18 00:49 7780 Mar 13 11:42 7780 Apr 07 06:47 7780 Apr 12 19:13 7780 May 02 20:41 7780 May 30 06:52 7780 Jun 03 17:00	6°M.48'36 0° ₹ 22° ₹ 16'06 0° ₹ 18° ₹ 13'06 0° ≈ 0° ₹ 0° ₹ 0° ₹ 0° ₹ 0° ₹ 0° ₹ 0° ₹ 4° ₹ 29'03	1°25'49
retrograde evening set inferior conj minimum elong min. Earth dist. morning rise direct greatest brilliancy desc. node	7777 May 03 07:11 7777 May 13 08:04 7777 May 30 05:13 7777 Jun 03 03:18 7777 Jun 03 13:56 7777 Jun 03 03:30 7777 Jun 07 22:52 7777 Jun 03 14:47 7777 Jul 06 01:50 7777 Aug 01 03:25 7777 Aug 12 10:04 7777 Aug 31 11:52 7777 Sep 27 15:56 7777 Oct 23 14:34 7777 Oct 27 01:04	23° N 11'53 25° N 05'38 19° N 34'07 17° N 10'46 16° N 54'18 17° N 10'28 14° N 16'57 9° N 21'17 11° N 06'24 12° N 03'04 0° 0 10° 28'48 0° N 0° M 0° M 0° A	7°16'11 7°14'01 0.27337 AU -4.8m	minimum elong evening rise desc. node asc. node	7779 Oct 24 22:37 7779 Nov 12 17:50 7779 Nov 30 18:57 7779 Dec 07 01:23 7779 Dec 21 19:48 7779 Dec 31 09:02 7780 Jan 24 16:42 7780 Feb 18 00:49 7780 Mar 13 11:42 7780 Apr 07 06:47 7780 Apr 12 19:13 7780 May 02 20:41 7780 May 30 06:52 7780 Jun 03 17:00 7780 Jul 04 02:00	6°M.48'36 0°  22°  16'06 0°  18°  313'06 0°  0°  0°  0°  0°  0°  0°  0°  4°  0°  0	1°25'49 46°33'23
retrograde evening set inferior conj minimum elong min. Earth dist. morning rise direct greatest brilliancy desc. node morning max el	7777 May 03 07:11 7777 May 13 08:04 7777 May 30 05:13 7777 Jun 03 03:18 7777 Jun 03 13:56 7777 Jun 03 03:30 7777 Jun 07 22:52 7777 Jun 03 14:47 7777 Jul 03 14:47 7777 Jul 06 01:50 7777 Aug 01 03:25 7777 Aug 12 10:04 7777 Aug 31 11:52 7777 Sep 27 15:56 7777 Oct 23 14:34 7777 Oct 27 01:04 7777 Nov 17 19:53	23° N 11'53 25° N 05'38 19° N 34'07 17° N 10'46 16° N 54'18 17° N 10'28 14° N 16'57 9° N 21'17 11° N 06'24 12° N 03'04 0° D 0° N 0° N 0° L 4° D 02'42 0° M	7°16'11 7°14'01 0.27337 AU -4.8m	minimum elong evening rise desc. node asc. node evening max el greatest brilliancy	7779 Oct 24 22:37 7779 Nov 12 17:50 7779 Nov 30 18:57 7779 Dec 07 01:23 7779 Dec 21 19:48 7779 Dec 31 09:02 7780 Jan 24 16:42 7780 Feb 18 00:49 7780 Apr 07 06:47 7780 Apr 12 19:13 7780 May 02 20:41 7780 May 30 06:52 7780 Jun 03 17:00 7780 Jul 04 02:00 7780 Jul 12 17:12	6°M.48'36 0°ズ 22°ズ16'06 0°云 18°云13'06 0°≈ 0°光 0°℃ 0°円 6°円34'32 0°⑤ 0°Ω 4°Ω29'03 0°™ 4°№21'41	1°25'49
retrograde evening set inferior conj minimum elong min. Earth dist. morning rise direct greatest brilliancy desc. node morning max el	7777 May 03 07:11 7777 May 13 08:04 7777 May 30 05:13 7777 Jun 03 03:18 7777 Jun 03 13:56 7777 Jun 03 03:30 7777 Jun 07 22:52 7777 Jun 03 14:47 7777 Jul 03 14:47 7777 Jul 06 01:50 7777 Aug 01 03:25 7777 Aug 12 10:04 7777 Aug 31 11:52 7777 Sep 27 15:56 7777 Oct 23 14:34 7777 Oct 27 01:04 7777 Nov 17 19:53 7777 Dec 12 13:28	23° H11'53 25° H05'38 19° H34'07 17° H10'46 16° H54'18 17° H10'28 14° H16'57 9° H21'17 11° H06'24 12° H03'04 0° © 10° © 28'48 0° A 0° M 0° A 4° A02'42 0° M 0° M	7°16'11 7°14'01 0.27337 AU -4.8m	minimum elong evening rise desc. node asc. node evening max el greatest brilliancy retrograde	7779 Oct 24 22:37 7779 Nov 12 17:50 7779 Nov 30 18:57 7779 Dec 07 01:23 7779 Dec 21 19:48 7779 Dec 31 09:02 7780 Jan 24 16:42 7780 Feb 18 00:49 7780 Mar 13 11:42 7780 Apr 07 06:47 7780 Apr 12 19:13 7780 May 02 20:41 7780 May 30 06:52 7780 Jun 03 17:00 7780 Jul 04 02:00 7780 Jul 12 17:12 7780 Jul 23 18:46	6°M48'36 0°ズ 22°ズ16'06 0°云 18°云13'06 0°※ 0°光 0°Y 0°8 0°用 6°用34'32 0°⑤ 0°A 4°A29'03 0°顺 4°M21'41 6°順37'48	1°25'49 46°33'23
retrograde evening set inferior conj minimum elong min. Earth dist. morning rise direct greatest brilliancy desc. node morning max el	7777 May 03 07:11 7777 May 13 08:04 7777 May 30 05:13 7777 Jun 03 03:18 7777 Jun 03 13:56 7777 Jun 03 03:30 7777 Jun 07 22:52 7777 Jun 03 14:47 7777 Jul 03 14:47 7777 Jul 06 01:50 7777 Aug 01 03:25 7777 Aug 12 10:04 7777 Aug 31 11:52 7777 Sep 27 15:56 7777 Oct 23 14:34 7777 Oct 27 01:04 7777 Nov 17 19:53 7777 Dec 12 13:28 7778 Jan 05 23:07	23°月11'53 25°月05'38 19°月34'07 17°月10'46 16°月54'18 17°月10'28 14°月16'57 9°月21'17 11°月06'24 12°月03'04 0°野 10°至28'48 0°凡 0°所 0°亞 4°至02'42 0°肌 0°ズ	7°16'11 7°14'01 0.27337 AU -4.8m	minimum elong evening rise desc. node  asc. node  evening max el greatest brilliancy retrograde desc. node	7779 Oct 24 22:37 7779 Nov 12 17:50 7779 Nov 30 18:57 7779 Dec 07 01:23 7779 Dec 21 19:48 7779 Dec 31 09:02 7780 Jan 24 16:42 7780 Feb 18 00:49 7780 Mar 13 11:42 7780 Apr 07 06:47 7780 Apr 12 19:13 7780 May 02 20:41 7780 May 30 06:52 7780 Jun 03 17:00 7780 Jul 04 02:00 7780 Jul 12 17:12 7780 Jul 23 18:46 7780 Aug 02 13:36	6°M48'36 0°ズ 22°ズ16'06 0°云 18°云13'06 0°※ 0°光 0°Y 0°B 0°I 6°I34'32 0°© 0°A 4°A29'03 0°M 4°M21'41 6°M37'48 4°M41'38	1°25'49 46°33'23
retrograde evening set inferior conj minimum elong min. Earth dist. morning rise direct greatest brilliancy desc. node morning max el	7777 May 03 07:11 7777 May 13 08:04 7777 May 30 05:13 7777 Jun 03 03:18 7777 Jun 03 13:56 7777 Jun 03 03:30 7777 Jun 07 22:52 7777 Jun 03 14:47 7777 Jul 03 14:47 7777 Jul 06 01:50 7777 Aug 01 03:25 7777 Aug 12 10:04 7777 Aug 31 11:52 7777 Sep 27 15:56 7777 Oct 23 14:34 7777 Oct 27 01:04 7777 Nov 17 19:53 7777 Dec 12 13:28	23° H11'53 25° H05'38 19° H34'07 17° H10'46 16° H54'18 17° H10'28 14° H16'57 9° H21'17 11° H06'24 12° H03'04 0° © 10° © 28'48 0° A 0° M 0° A 4° A02'42 0° M 0° M	7°16'11 7°14'01 0.27337 AU -4.8m	minimum elong evening rise desc. node asc. node evening max el greatest brilliancy retrograde	7779 Oct 24 22:37 7779 Nov 12 17:50 7779 Nov 30 18:57 7779 Dec 07 01:23 7779 Dec 21 19:48 7779 Dec 31 09:02 7780 Jan 24 16:42 7780 Feb 18 00:49 7780 Mar 13 11:42 7780 Apr 07 06:47 7780 Apr 12 19:13 7780 May 02 20:41 7780 May 30 06:52 7780 Jun 03 17:00 7780 Jul 04 02:00 7780 Jul 12 17:12 7780 Jul 23 18:46	6°M48'36 0°ズ 22°ズ16'06 0°云 18°云13'06 0°※ 0°光 0°Y 0°と 0°川 6°川34'32 0°⑤ 0°凡 4°Ω29'03 0°顺 4°№21'41 6°順37'48	1°25'49 46°33'23
retrograde evening set inferior conj minimum elong min. Earth dist. morning rise direct greatest brilliancy desc. node morning max el asc. node	7777 May 03 07:11 7777 May 13 08:04 7777 May 30 05:13 7777 Jun 03 03:18 7777 Jun 03 13:56 7777 Jun 03 03:30 7777 Jun 07 22:52 7777 Jun 03 14:47 7777 Jul 03 14:47 7777 Jul 06 01:50 7777 Aug 01 03:25 7777 Aug 12 10:04 7777 Aug 31 11:52 7777 Sep 27 15:56 7777 Oct 23 14:34 7777 Oct 27 01:04 7777 Nov 17 19:53 7777 Dec 12 13:28 7778 Jan 05 23:07 7778 Jan 30 03:30	23° II 11'53 25° II 05'38 19° II 34'07 17° II 10'46 16° II 54'18 17° II 10'28 14° II 16'57 9° II 21'17 11° II 06'24 12° II 03'04 0° © 10° © 28'48 0° N 0° II 0° I	7°16'11 7°14'01 0.27337 AU -4.8m	minimum elong evening rise desc. node  asc. node  evening max el greatest brilliancy retrograde desc. node	7779 Oct 24 22:37 7779 Nov 12 17:50 7779 Nov 30 18:57 7779 Dec 07 01:23 7779 Dec 21 19:48 7779 Dec 31 09:02 7780 Jan 24 16:42 7780 Feb 18 00:49 7780 Mar 13 11:42 7780 Apr 07 06:47 7780 Apr 12 19:13 7780 May 02 20:41 7780 Jul 04 02:00 7780 Jul 04 02:00 7780 Jul 12 17:12 7780 Jul 23 18:46 7780 Aug 02 13:36 7780 Aug 07 18:52 7780 Aug 11 14:13	6°M.48'36 0° ₹ 22° ₹ 16'06 0° ₹ 18° ₹ 13'06 0° ₹ 0° ₹ 0° ₹ 0° ₹ 0° ₹ 0° ₹ 0° ₹ 0° ₹	1°25'49 46°33'23
retrograde evening set inferior conj minimum elong min. Earth dist. morning rise direct greatest brilliancy desc. node morning max el  asc. node	7777 May 03 07:11 7777 May 13 08:04 7777 May 30 05:13 7777 Jun 03 03:18 7777 Jun 03 13:56 7777 Jun 03 03:30 7777 Jun 07 22:52 7777 Jun 03 14:47 7777 Jul 03 14:47 7777 Jul 06 01:50 7777 Aug 01 03:25 7777 Aug 12 10:04 7777 Aug 31 11:52 7777 Sep 27 15:56 7777 Oct 23 14:34 7777 Oct 27 01:04 7777 Nov 17 19:53 7777 Dec 12 13:28 7778 Jan 05 23:07 7778 Jan 30 03:30 7778 Feb 07 00:12	23° ∏11'53 25° ∏05'38 19° ∏34'07 17° ∏10'46 16° ∏54'18 17° ∏10'28 14° ∏16'57 9° ∏21'17 11° ∏06'24 12° ∏03'04 0° ∰ 10° ∰28'48 0° № 0° № 0° № 0° № 0° № 0° № 0° № 0° №	7°16'11 7°14'01 0.27337 AU -4.8m	minimum elong evening rise desc. node  asc. node  evening max el greatest brilliancy retrograde desc. node evening set	7779 Oct 24 22:37 7779 Nov 12 17:50 7779 Nov 30 18:57 7779 Dec 07 01:23 7779 Dec 21 19:48 7779 Dec 31 09:02 7780 Jan 24 16:42 7780 Feb 18 00:49 7780 Mar 13 11:42 7780 Apr 07 06:47 7780 Apr 12 19:13 7780 May 02 20:41 7780 May 30 06:52 7780 Jun 03 17:00 7780 Jul 04 02:00 7780 Jul 04 02:00 7780 Jul 12 17:12 7780 Jul 23 18:46 7780 Aug 02 13:36 7780 Aug 07 18:52	6°M.48'36 0° ₹ 22° ₹ 16'06 0° ₹ 18° ₹ 13'06 0° ₹ 0° ₹ 0° ₹ 0° ₹ 0° ₹ 0° ₹ 0° ₹ 0° ₹	1°25'49 46°33'23 -4.8m
retrograde evening set inferior conj minimum elong min. Earth dist. morning rise direct greatest brilliancy desc. node morning max el  asc. node	7777 May 03 07:11 7777 May 13 08:04 7777 May 30 05:13 7777 Jun 03 03:18 7777 Jun 03 13:56 7777 Jun 03 03:30 7777 Jun 07 22:52 7777 Jun 03 14:47 7777 Jul 06 01:50 7777 Aug 01 03:25 7777 Aug 12 10:04 7777 Aug 31 11:52 7777 Sep 27 15:56 7777 Oct 23 14:34 7777 Oct 27 01:04 7777 Nov 17 19:53 7777 Dec 12 13:28 7778 Jan 05 23:07 7778 Jan 30 03:30 7778 Feb 07 00:12 7778 Feb 15 17:48	23° II 11'53 25° II 05'38 19° II 34'07 17° II 10'46 16° II 54'18 17° II 10'28 14° II 16'57 9° II 21'17 11° II 06'24 12° II 03'04 0° II 0° II 0'	7°16'11 7°14'01 0.27337 AU -4.8m	minimum elong evening rise desc. node  asc. node  evening max el greatest brilliancy retrograde desc. node evening set min. Earth dist.	7779 Oct 24 22:37 7779 Nov 12 17:50 7779 Nov 30 18:57 7779 Dec 07 01:23 7779 Dec 21 19:48 7779 Dec 31 09:02 7780 Jan 24 16:42 7780 Feb 18 00:49 7780 Mar 13 11:42 7780 Apr 07 06:47 7780 Apr 12 19:13 7780 May 02 20:41 7780 May 30 06:52 7780 Jun 03 17:00 7780 Jul 04 02:00 7780 Jul 04 02:00 7780 Jul 12 17:12 7780 Aug 02 13:36 7780 Aug 07 18:52 7780 Aug 11 14:13 7780 Aug 13 11:38	6°M.48'36 0° ₹ 22° ₹ 16'06 0° ₹ 18° ₹ 13'06 0° ₹ 0° ₹ 0° ₹ 0° ₹ 0° ₹ 0° ₹ 0° ₹ 0° ¶ 6° ¶ 34'32 0° \$ 0° \$ 0° \$ 4° \$\text{\$\Omega\$} 29'03 0° \$\text{\$\Omega\$} 4° \$\text{\$\Omega\$} 21'41 6° \$\text{\$\Omega\$} 37'48 4° \$\text{\$\Omega\$} 41'38 2° \$\text{\$\Omega\$} 13'12 30° \$\text{\$\Omega\$} 28° \$\text{\$\Omega\$} 49'51	1°25'49 46°33'23 -4.8m 0.28323 AU -2°47'26
retrograde evening set inferior conj minimum elong min. Earth dist. morning rise direct greatest brilliancy desc. node morning max el  asc. node	7777 May 03 07:11 7777 May 13 08:04 7777 May 30 05:13 7777 Jun 03 03:18 7777 Jun 03 13:56 7777 Jun 03 03:30 7777 Jun 07 22:52 7777 Jun 03 14:47 7777 Jul 06 01:50 7777 Aug 01 03:25 7777 Aug 12 10:04 7777 Aug 13 11:52 7777 Sep 27 15:56 7777 Oct 23 14:34 7777 Oct 23 14:34 7777 Oct 27 01:04 7777 Nov 17 19:53 7777 Dec 12 13:28 7778 Jan 05 23:07 7778 Jan 30 03:30 7778 Feb 07 00:12 7778 Feb 15 17:48 7778 Feb 23 04:12	23° II 11'53 25° II 05'38 19° II 34'07 17° II 10'46 16° II 54'18 17° II 10'28 14° II 16'57 9° II 21'17 11° II 06'24 12° II 03'04 0° II 0° II 0'	7°16'11 7°14'01 0.27337 AU -4.8m 46°08'07	minimum elong evening rise desc. node  asc. node  evening max el greatest brilliancy retrograde desc. node evening set min. Earth dist. inferior conj	7779 Oct 24 22:37 7779 Nov 12 17:50 7779 Nov 30 18:57 7779 Dec 07 01:23 7779 Dec 21 19:48 7779 Dec 31 09:02 7780 Jan 24 16:42 7780 Feb 18 00:49 7780 Mar 13 11:42 7780 Apr 07 06:47 7780 Apr 12 19:13 7780 May 02 20:41 7780 May 30 06:52 7780 Jun 03 17:00 7780 Jul 04 02:00 7780 Jul 04 02:00 7780 Jul 12 17:12 7780 Aug 07 18:52 7780 Aug 07 18:52 7780 Aug 11 14:13 7780 Aug 13 11:38 7780 Aug 14 02:35	6°M.48'36 0° ₹ 22° ₹16'06 0° ₹ 18° ₹13'06 0° ₹ 0° ¥ 0° ¥ 0° ¥ 0° ¥ 0° ¶ 6° ∏34'32 0° \$ 0° \$ 0° \$ 4° \$\Omega 29'03 0° \$ 4° \$\Omega 29'141 6° \$\Omega 37'48 4° \$\Omega 41'38 2° \$\Omega 13'12 30° \$\Omega 8\$ 28° \$\Omega 49'51 28° \$\Omega 26'36	1°25'49 46°33'23 -4.8m 0.28323 AU -2°47'26
retrograde evening set inferior conj minimum elong min. Earth dist. morning rise direct greatest brilliancy desc. node morning max el  asc. node	7777 May 03 07:11 7777 May 13 08:04 7777 May 30 05:13 7777 Jun 03 03:18 7777 Jun 03 13:56 7777 Jun 03 03:30 7777 Jun 07 22:52 7777 Jun 03 14:47 7777 Jul 06 01:50 7777 Aug 01 03:25 7777 Aug 12 10:04 7777 Aug 13 11:52 7777 Sep 27 15:56 7777 Oct 23 14:34 7777 Oct 23 14:34 7777 Oct 27 01:04 7777 Nov 17 19:53 7777 Dec 12 13:28 7778 Jan 05 23:07 7778 Jan 30 03:30 7778 Feb 07 00:12 7778 Feb 15 17:48 7778 Feb 23 04:12	23° H11'53 25° H05'38 19° H34'07 17° H10'46 16° H54'18 17° H10'28 14° H16'57 9° H21'17 11° H06'24 12° H03'04 0° © 10° © 28'48 0° A 0° M 0° M 0° A 0° M 0° A 0° M 0° A 0° M 0° A 20'2'42 0° M 0° A 0° M 20' A 21' A	7°16'11 7°14'01 0.27337 AU -4.8m 46°08'07	minimum elong evening rise  desc. node  asc. node  evening max el greatest brilliancy retrograde desc. node evening set min. Earth dist. inferior conj minimum elong	7779 Oct 24 22:37 7779 Nov 12 17:50 7779 Nov 30 18:57 7779 Dec 07 01:23 7779 Dec 21 19:48 7779 Dec 31 09:02 7780 Jan 24 16:42 7780 Feb 18 00:49 7780 Mar 13 11:42 7780 Apr 07 06:47 7780 Apr 12 19:13 7780 May 02 20:41 7780 May 30 06:52 7780 Jun 03 17:00 7780 Jul 04 02:00 7780 Jul 12 17:12 7780 Jul 23 18:46 7780 Aug 02 13:36 7780 Aug 07 18:52 7780 Aug 11 14:13 7780 Aug 13 11:38 7780 Aug 13 20:34 7780 Aug 19 22:47 7780 Sep 04 07:29	6°M.48'36 0° ₹ 22° ₹ 16'06 0° ₹ 18° ₹ 13'06 0° ₹ 0° ₹ 0° ₹ 0° ₹ 0° ₹ 0° ₹ 0° ₹ 0° ₹	1°25'49 46°33'23 -4.8m 0.28323 AU -2°47'26 2°45'44
retrograde evening set inferior conj minimum elong min. Earth dist. morning rise direct greatest brilliancy desc. node morning max el  asc. node  morning set desc. node  max. Earth dist.	7777 May 03 07:11 7777 May 13 08:04 7777 May 30 05:13 7777 Jun 03 03:18 7777 Jun 03 13:56 7777 Jun 03 03:30 7777 Jun 07 22:52 7777 Jun 03 14:47 7777 Jul 03 14:47 7777 Jul 06 01:50 7777 Aug 01 03:25 7777 Aug 12 10:04 7777 Aug 31 11:52 7777 Sep 27 15:56 7777 Oct 23 14:34 7777 Oct 27 01:04 7777 Nov 17 19:53 7777 Dec 12 13:28 7778 Jan 05 23:07 7778 Jan 30 03:30 7778 Feb 07 00:12 7778 Feb 15 17:48 7778 Feb 23 04:12 7778 Mar 19 11:14 7778 Mar 19 11:14	23° H11'53 25° H05'38 19° H34'07 17° H10'46 16° H54'18 17° H10'28 14° H16'57 9° H21'17 11° H06'24 12° H03'04 0° © 10° © 28'48 0° A 0° M 0° A 202'42 0° M 0° A 0° M 0° A 202'42 0° M 0° A 0° A 0° M 202'44 0° A	7°16'11 7°14'01 0.27337 AU -4.8m 46°08'07	minimum elong evening rise  desc. node  asc. node  evening max el greatest brilliancy retrograde desc. node evening set  min. Earth dist. inferior conj minimum elong morning rise	7779 Oct 24 22:37 7779 Nov 12 17:50 7779 Nov 30 18:57 7779 Dec 07 01:23 7779 Dec 21 19:48 7779 Dec 31 09:02 7780 Jan 24 16:42 7780 Feb 18 00:49 7780 Mar 13 11:42 7780 Apr 07 06:47 7780 Apr 12 19:13 7780 May 02 20:41 7780 May 30 06:52 7780 Jun 03 17:00 7780 Jul 04 02:00 7780 Jul 12 17:12 7780 Jul 23 18:46 7780 Aug 02 13:36 7780 Aug 07 18:52 7780 Aug 11 14:13 7780 Aug 13 11:38 7780 Aug 13 11:38 7780 Aug 14 02:35 7780 Aug 13 20:34 7780 Aug 19 22:47 7780 Sep 04 07:29 7780 Sep 14 03:06	6°M.48'36 0° ₹ 22° ₹ 16'06 0° ₹ 18° ₹ 13'06 0° ₹ 0° ₹ 0° ₹ 0° ₹ 0° ₹ 0° ₹ 0° ₹ 0° ₹	1°25'49 46°33'23 -4.8m 0.28323 AU -2°47'26 2°45'44
retrograde evening set inferior conj minimum elong min. Earth dist. morning rise direct greatest brilliancy desc. node morning max el  asc. node  morning set desc. node  max. Earth dist. superior conj	7777 May 03 07:11 7777 May 13 08:04 7777 May 30 05:13 7777 Jun 03 03:18 7777 Jun 03 13:56 7777 Jun 03 03:30 7777 Jun 07 22:52 7777 Jun 03 14:47 7777 Jul 03 14:47 7777 Jul 06 01:50 7777 Aug 01 03:25 7777 Aug 12 10:04 7777 Aug 31 11:52 7777 Sep 27 15:56 7777 Oct 23 14:34 7777 Oct 23 14:34 7777 Oct 27 01:04 7777 Nov 17 19:53 7777 Dec 12 13:28 7778 Jan 05 23:07 7778 Jan 30 03:30 7778 Feb 07 00:12 7778 Feb 15 17:48 7778 Feb 23 04:12 7778 Mar 19 11:14 7778 Mar 19 11:14 7778 Mar 19 02:14	23° ∏11'53 25° ∏05'38 19° ∏34'07 17° ∏10'46 16° ∏54'18 17° ∏10'28 14° ∏16'57 9° ∏21'17 11° ∏06'24 12° ∏03'04 0° ∰ 0° ∰ 0° ∰ 0° ∰ 0° № 0° № 0° № 0° № 0° № 0° № 0° № 0° №	7°16'11 7°14'01 0.27337 AU -4.8m 46°08'07	minimum elong evening rise desc. node  asc. node  evening max el greatest brilliancy retrograde desc. node evening set  min. Earth dist. inferior conj minimum elong morning rise direct greatest brilliancy	7779 Oct 24 22:37 7779 Nov 12 17:50 7779 Nov 30 18:57 7779 Dec 07 01:23 7779 Dec 21 19:48 7779 Dec 31 09:02 7780 Jan 24 16:42 7780 Feb 18 00:49 7780 Mar 13 11:42 7780 Apr 07 06:47 7780 Apr 12 19:13 7780 May 02 20:41 7780 May 30 06:52 7780 Jun 03 17:00 7780 Jul 04 02:00 7780 Jul 12 17:12 7780 Jul 23 18:46 7780 Aug 02 13:36 7780 Aug 07 18:52 7780 Aug 11 14:13 7780 Aug 13 11:38 7780 Aug 14 02:35 7780 Aug 15 20:34 7780 Aug 17 22:47 7780 Sep 04 07:29 7780 Sep 14 03:06 7780 Sep 29 01:53	6°M.48'36 0° ₹ 22° ₹ 16'06 0° ₹ 18° ₹ 13'06 0° ₹ 0° ₹ 0° ₹ 0° ₹ 0° ₹ 0° ₹ 0° ₹ 0° ¶ 6° ¶ 34'32 0° ₹ 0° ₹ 4° ₹ 29'03 0° ₹ 4° ₹ 29'03 0° ₹ 4° ₹ 29'03 28° ₹ 49'51 28° ₹ 26'36 28° ₹ 26'36 28° ₹ 26'36 20° ₹ 23'02 22° ₹ 07'23 0° ₹	1°25'49 46°33'23 -4.8m 0.28323 AU -2°47'26 2°45'44 -4.7m
retrograde evening set inferior conj minimum elong min. Earth dist. morning rise direct greatest brilliancy desc. node morning max el  asc. node  morning set desc. node  max. Earth dist.  superior conj minimum elong	7777 May 03 07:11 7777 May 13 08:04 7777 May 30 05:13 7777 Jun 03 03:18 7777 Jun 03 13:56 7777 Jun 03 03:30 7777 Jun 07 22:52 7777 Jun 03 14:47 7777 Jul 03 14:47 7777 Jul 06 01:50 7777 Aug 01 03:25 7777 Aug 12 10:04 7777 Aug 31 11:52 7777 Sep 27 15:56 7777 Oct 23 14:34 7777 Oct 23 14:34 7777 Oct 27 01:04 7777 Nov 17 19:53 7777 Dec 12 13:28 7778 Jan 05 23:07 7778 Jan 30 03:30 7778 Feb 07 00:12 7778 Feb 15 17:48 7778 Feb 23 04:12 7778 Mar 19 11:14 7778 Mar 19 11:14 7778 Mar 19 02:14 7778 Mar 19 02:14 7778 Mar 19 02:14	23° H11'53 25° H05'38 19° H34'07 17° H10'46 16° H54'18 17° H10'28 14° H16'57 9° H21'17 11° H06'24 12° H03'04 0° © 10° © 28'48 0° A 0° M 0° A 0° M 0° A 0° M 0° A 0° M 0° A 202'42 0° M 0° A 0° M 0° A 202'42 0° M 0° A	7°16'11 7°14'01 0.27337 AU -4.8m 46°08'07	minimum elong evening rise  desc. node  asc. node  evening max el greatest brilliancy retrograde desc. node evening set  min. Earth dist. inferior conj minimum elong morning rise direct	7779 Oct 24 22:37 7779 Nov 12 17:50 7779 Nov 30 18:57 7779 Dec 07 01:23 7779 Dec 21 19:48 7779 Dec 31 09:02 7780 Jan 24 16:42 7780 Feb 18 00:49 7780 Mar 13 11:42 7780 Apr 07 06:47 7780 Apr 12 19:13 7780 May 02 20:41 7780 May 30 06:52 7780 Jun 03 17:00 7780 Jul 04 02:00 7780 Jul 12 17:12 7780 Jul 23 18:46 7780 Aug 02 13:36 7780 Aug 07 18:52 7780 Aug 11 14:13 7780 Aug 13 11:38 7780 Aug 13 20:34 7780 Aug 13 20:34 7780 Aug 19 22:47 7780 Sep 04 07:29 7780 Sep 14 03:06 7780 Sep 29 01:53 7780 Oct 23 00:25	6°M.48'36 0° ₹ 22° ₹ 16'06 0° ₹ 18° ₹ 13'06 0° ₹ 0° ₹ 0° ₹ 0° ₹ 0° ₹ 0° ₹ 0° ₹ 0° ₹	1°25'49 46°33'23 -4.8m 0.28323 AU -2°47'26 2°45'44 -4.7m
retrograde evening set inferior conj minimum elong min. Earth dist. morning rise direct greatest brilliancy desc. node morning max el  asc. node  morning set desc. node  max. Earth dist. superior conj	7777 May 03 07:11 7777 May 13 08:04 7777 May 30 05:13 7777 Jun 03 03:18 7777 Jun 03 13:56 7777 Jun 03 03:30 7777 Jun 07 22:52 7777 Jun 03 14:47 7777 Jul 03 14:47 7777 Jul 06 01:50 7777 Aug 01 03:25 7777 Aug 12 10:04 7777 Aug 31 11:52 7777 Sep 27 15:56 7777 Oct 23 14:34 7777 Oct 27 01:04 7777 Nov 17 19:53 7777 Dec 12 13:28 7778 Jan 05 23:07 7778 Jan 30 03:30 7778 Feb 07 00:12 7778 Feb 15 17:48 7778 Feb 23 04:12 7778 Mar 19 11:14 7778 Mar 19 11:14 7778 Mar 19 02:14 7778 Apr 19 02:14 7778 Apr 19 00:55	23° ∏11'53 25° ∏05'38 19° ∏34'07 17° ∏10'46 16° ∏54'18 17° ∏10'28 14° ∏16'57 9° ∏21'17 11° ∏06'24 12° ∏03'04 0° ∰ 0° £ 4° £02'42 0° ∭ 0° ₹ 0° ₹ 0° ₹ 0° ₹ 20° ₹42'14 0° ₹ 28° ₹01'22 0° ¥28'14 29° ₹51'32 0° \$ 21° ₹28'02	7°16'11 7°14'01 0.27337 AU -4.8m 46°08'07	minimum elong evening rise desc. node  asc. node  evening max el greatest brilliancy retrograde desc. node evening set min. Earth dist. inferior conj minimum elong morning rise direct greatest brilliancy morning max el	7779 Oct 24 22:37 7779 Nov 12 17:50 7779 Nov 30 18:57 7779 Dec 07 01:23 7779 Dec 21 19:48 7779 Dec 31 09:02 7780 Jan 24 16:42 7780 Feb 18 00:49 7780 Mar 13 11:42 7780 Apr 07 06:47 7780 Apr 12 19:13 7780 May 02 20:41 7780 May 30 06:52 7780 Jun 03 17:00 7780 Jul 04 02:00 7780 Jul 12 17:12 7780 Jul 23 18:46 7780 Aug 02 13:36 7780 Aug 07 18:52 7780 Aug 11 14:13 7780 Aug 13 11:38 7780 Aug 13 20:34 7780 Aug 14 02:35 7780 Aug 19 22:47 7780 Sep 04 07:29 7780 Sep 14 03:06 7780 Sep 29 01:53 7780 Oct 23 00:25 7780 Nov 02 01:33	6°M.48'36 0° ₹ 22° ₹ 16'06 0° ₹ 18° ₹ 13'06 0° ₹ 0° ₹ 0° ₹ 0° ₹ 0° ₹ 0° ₹ 0° ₹ 0° ₹	1°25'49 46°33'23 -4.8m 0.28323 AU -2°47'26 2°45'44 -4.7m
retrograde evening set inferior conj minimum elong min. Earth dist. morning rise direct greatest brilliancy desc. node morning max el  asc. node  morning set desc. node  max. Earth dist.  superior conj minimum elong	7777 May 03 07:11 7777 May 13 08:04 7777 May 30 05:13 7777 Jun 03 03:18 7777 Jun 03 13:56 7777 Jun 03 03:30 7777 Jun 07 22:52 7777 Jun 03 14:47 7777 Jul 03 14:47 7777 Jul 03 14:47 7777 Jul 06 01:50 7777 Aug 01 03:25 7777 Aug 12 10:04 7777 Aug 31 11:52 7777 Sep 27 15:56 7777 Oct 23 14:34 7777 Oct 23 14:34 7777 Oct 27 01:04 7777 Nov 17 19:53 7777 Dec 12 13:28 7778 Jan 05 23:07 7778 Jan 30 03:30 7778 Feb 07 00:12 7778 Feb 15 17:48 7778 Feb 15 17:48 7778 Feb 23 04:12 7778 Mar 19 11:14 7778 Mar 19 11:14 7778 Mar 19 02:14 7778 Apr 11 22:55 7778 Apr 29 00:55 7778 May 05 20:07	23° H11'53 25° H05'38 19° H34'07 17° H10'46 16° H54'18 17° H10'28 14° H16'57 9° H21'17 11° H06'24 12° H03'04 0° © 10° © 28'48 0° M 0° M 0° A 0° M 0° A 0° M 0° A 0° M 0° A 0° A 0° M 0° A	7°16'11 7°14'01 0.27337 AU -4.8m 46°08'07	minimum elong evening rise desc. node  asc. node  evening max el greatest brilliancy retrograde desc. node evening set  min. Earth dist. inferior conj minimum elong morning rise direct greatest brilliancy	7779 Oct 24 22:37 7779 Nov 12 17:50 7779 Nov 30 18:57 7779 Dec 07 01:23 7779 Dec 21 19:48 7779 Dec 31 09:02 7780 Jan 24 16:42 7780 Feb 18 00:49 7780 Mar 13 11:42 7780 Apr 07 06:47 7780 Apr 12 19:13 7780 May 02 20:41 7780 May 30 06:52 7780 Jun 03 17:00 7780 Jul 04 02:00 7780 Jul 12 17:12 7780 Jul 23 18:46 7780 Aug 02 13:36 7780 Aug 07 18:52 7780 Aug 11 14:13 7780 Aug 13 11:38 7780 Aug 13 20:34 7780 Aug 13 20:34 7780 Aug 19 22:47 7780 Sep 04 07:29 7780 Sep 14 03:06 7780 Sep 29 01:53 7780 Oct 23 00:25 7780 Nov 02 01:33 7780 Nov 02 01:33	6°M.48'36 0° ₹ 22° ₹ 16'06 0° ₹ 18° ₹ 13'06 0° ₹ 0° ₹ 0° ₹ 0° ₹ 0° ₹ 0° ₹ 0° ₹ 0° ₹	1°25'49 46°33'23 -4.8m 0.28323 AU -2°47'26 2°45'44 -4.7m
retrograde evening set inferior conj minimum elong min. Earth dist. morning rise direct greatest brilliancy desc. node morning max el  asc. node  morning set desc. node  max. Earth dist.  superior conj minimum elong	7777 May 03 07:11 7777 May 13 08:04 7777 May 30 05:13 7777 Jun 03 03:18 7777 Jun 03 13:56 7777 Jun 03 03:30 7777 Jun 07 22:52 7777 Jun 03 14:47 7777 Jul 03 14:47 7777 Jul 06 01:50 7777 Aug 01 03:25 7777 Aug 12 10:04 7777 Aug 31 11:52 7777 Sep 27 15:56 7777 Oct 23 14:34 7777 Oct 27 01:04 7777 Nov 17 19:53 7777 Dec 12 13:28 7778 Jan 05 23:07 7778 Jan 30 03:30 7778 Feb 07 00:12 7778 Feb 15 17:48 7778 Feb 23 04:12 7778 Mar 19 11:14 7778 Mar 19 11:14 7778 Mar 19 02:14 7778 Apr 19 02:14 7778 Apr 19 00:55	23° ∏11'53 25° ∏05'38 19° ∏34'07 17° ∏10'46 16° ∏54'18 17° ∏10'28 14° ∏16'57 9° ∏21'17 11° ∏06'24 12° ∏03'04 0° ∰ 0° £ 4° £02'42 0° ∭ 0° ₹ 0° ₹ 0° ₹ 0° ₹ 20° ₹42'14 0° ₹ 28° ₹01'22 0° ¥28'14 29° ₹51'32 0° \$ 21° ₹28'02	7°16'11 7°14'01 0.27337 AU -4.8m 46°08'07	minimum elong evening rise desc. node  asc. node  evening max el greatest brilliancy retrograde desc. node evening set min. Earth dist. inferior conj minimum elong morning rise direct greatest brilliancy morning max el	7779 Oct 24 22:37 7779 Nov 12 17:50 7779 Nov 30 18:57 7779 Dec 07 01:23 7779 Dec 21 19:48 7779 Dec 31 09:02 7780 Jan 24 16:42 7780 Feb 18 00:49 7780 Mar 13 11:42 7780 Apr 07 06:47 7780 Apr 12 19:13 7780 May 02 20:41 7780 May 30 06:52 7780 Jun 03 17:00 7780 Jul 04 02:00 7780 Jul 12 17:12 7780 Jul 23 18:46 7780 Aug 02 13:36 7780 Aug 07 18:52 7780 Aug 11 14:13 7780 Aug 13 11:38 7780 Aug 13 20:34 7780 Aug 14 02:35 7780 Aug 19 22:47 7780 Sep 04 07:29 7780 Sep 14 03:06 7780 Sep 29 01:53 7780 Oct 23 00:25 7780 Nov 02 01:33	6°M.48'36 0° ₹ 22° ₹ 16'06 0° ₹ 18° ₹ 13'06 0° ₹ 0° ₹ 0° ₹ 0° ₹ 0° ₹ 0° ₹ 0° ₹ 0° ₹	1°25'49 46°33'23 -4.8m 0.28323 AU -2°47'26 2°45'44 -4.7m

	7781 Jan 19 21:15	0°₹		evening max el	7783 Aug 14 12:53	13° <b>≏</b> 57'06	45°48'40
	7781 Feb 13 09:33	0°≈		desc. node	7783 Aug 31 01:07	28° <b>£</b> 46'11	43 46 40
	7781 Mar 09 14:28	0 <b>≈</b>		desc. node	7783 Sep 01 14:08	28 <b>=</b> 40 11 0°M	
desc. node	7781 Mar 15 05:51	7° <b>)</b> €01'46		greatest brilliancy	7783 Sep 01 14:08 7783 Sep 22 03:22	12°M20'18	-4.7m
dese. Hode	7781 Apr 02 14:47	0°Υ		retrograde	7783 Oct 02 12:40	14°M16'51	<del>-4</del> ./III
morning set	7781 Apr 24 00:09	26° <b>Υ</b> 50'11		evening set	7783 Oct 20 15:53	8°ML07'03	
morning sec	7781 Apr 26 12:36	0°8		inferior conj	7783 Oct 24 01:21	6° <b>™</b> 00'14	-8°35'51
	7781 May 20 09:59	0°II		minimum elong	7783 Oct 23 23:51	6°M02'36	8°35'44
	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	-		min. Earth dist.	7783 Oct 24 02:31	5° <b>™</b> 58'25	0.29164 AU
superior conj	7781 Jun 03 05:21	17° <b>Ⅱ</b> 18'25	-1°09'28	morning rise	7783 Oct 27 07:51	3° <b>™</b> 58'02	
minimum elong	7781 Jun 03 16:28	17° <b>Ⅲ</b> 53'12		Ü	7783 Nov 03 20:33	30° <b>₽</b> Ω	
max. Earth dist.	7781 Jun 06 09:12	21° <b>Ⅱ</b> 15'45	1.71683 AU	direct	7783 Nov 14 15:38	27° <b>₽</b> 42'03	
	7781 Jun 13 08:55	0ಂತಾ		greatest brilliancy	7783 Nov 25 03:10	29° <b>≏</b> 42'07	-4.8m
asc. node	7781 Jul 06 04:40	28° <b>©</b> 26'17			7783 Nov 25 22:08	0° <b>M</b>	
	7781 Jul 07 10:50	$0^{\circ}\Omega$		asc. node	7783 Dec 22 00:57	17° <b>™</b> 29'20	
evening rise	7781 Jul 12 18:33	6° <b>Ω</b> 36′15		morning max el	7784 Jan 03 01:06	28°M41'18	46°03'48
	7781 Jul 31 16:29	O° Mp			7784 Jan 04 08:57	0° <b>∡</b> ¹	
	7781 Aug 25 02:30	0∘ <b>⊽</b>			7784 Feb 01 10:13	8°0	
	7781 Sep 18 18:18	0°M			7784 Feb 27 06:34	0° <b>≈</b>	
	7781 Oct 13 18:27	0° <b>∡</b> 7			7784 Mar 23 04:29	0° <b>∀</b>	
desc. node	7781 Oct 25 22:09	14° <b>渘</b> ¹22'44		desc. node	7784 Apr 11 18:01	23° <b>¥</b> 59′20	
	7781 Nov 08 06:47	8°0			7784 Apr 16 14:56	0° <b>Ƴ</b>	
	7781 Dec 04 14:10	0° <b>≈</b>			7784 May 10 19:22	0°B	
	7782 Jan 01 12:30	0° <b>ℋ</b>			7784 Jun 03 21:26	$\Pi$ $\circ 0$	
evening max el	7782 Jan 07 09:40	5° <b>)</b> 53′41	46°29'02		7784 Jun 27 23:43	$0$ $\circ$	
	7782 Feb 04 20:40	$0$ ° $\mathbf{\Upsilon}$		morning set	7784 Jul 07 03:46	11° <b>©</b> 23'45	
asc. node	7782 Feb 15 22:16	5° <b>Ƴ</b> 44'55			7784 Jul 22 03:38	$0$ $^{\circ}$ $\Omega$	
greatest brilliancy	7782 Feb 16 10:28	5° <b>Y</b> 56′03	-4.9m	asc. node	7784 Aug 02 16:35	14° <b>Ω</b> 17'41	
retrograde	7782 Feb 26 09:20	7° <b>Ƴ</b> 47'33					
evening set	7782 Mar 14 01:16	2° <b>Y</b> 57'51		superior conj	7784 Aug 14 08:12	28° <b>Ω</b> 42′10	0°27'42
inferior conj	7782 Mar 18 23:39	0° <b>Y</b> 01′09	7°04'30	minimum elong	7784 Aug 14 02:20	28° <b>Ω</b> 24'03	0°27'20
minimum elong	7782 Mar 18 12:41	0° <b>Υ</b> 17'58	7°02'13		7784 Aug 15 09:23	0° <b>m</b> )	
min. Earth dist.	7782 Mar 18 16:50	0° <b>Υ</b> 11'37	0.26963 AU	max. Earth dist.	7784 Aug 16 10:03		1.72952 AU
	7782 Mar 19 00:24	30° <b>₹</b>			7784 Sep 08 16:43	0∘ <b>ত</b>	
morning rise	7782 Mar 23 00:09	27° <b>)</b> ₹35′59		evening rise	7784 Sep 20 03:39	14° <b>≏</b> 06'31	
direct	7782 Apr 08 15:06	22° <b>)</b> 14'27			7784 Oct 03 01:49	0° <b>™</b>	
greatest brilliancy	7782 Apr 18 06:25	24° <b>)</b> (00'47	-4.9m		7784 Oct 27 13:31	0° <b>∡</b> 7	
	7782 Apr 29 22:48	0° <b>Υ</b>			7784 Nov 21 04:45	0°る	
morning max el	7782 May 29 02:10	25° <b>Y</b> 02'17	46°53'07	desc. node	7784 Nov 22 09:58	1° <b>る</b> 28'37	
1 1	7782 Jun 02 23:10	0°8			7784 Dec 16 00:09	0° <b>≈</b>	
desc. node	7782 Jun 07 16:10	4° <b>8</b> 55'09			7785 Jan 10 00:45	0° <b>)</b> €	
	7782 Jun 30 11:29	0° <b>I</b> I			7785 Feb 04 10:35	0°Υ •••	
	7782 Jul 26 10:32	$0 {\circ} {f V}$		4-	7785 Mar 02 18:45 7785 Mar 15 09:43	0° <b>と</b> 13° <b>と</b> 35'17	
	7782 Aug 20 18:57 7782 Sep 14 19:41	0° <b>m</b>		asc. node evening max el	7785 Mar 21 07:48	19° <b>8</b> 40'55	47°01'26
asc. node	7782 Sep 14 19:41 7782 Sep 28 14:49	16° Mp 40'04		evening max er	7785 Mar 31 23:07	0°Ⅱ	47 01 20
asc. Houe	7782 Sep 28 14:49 7782 Oct 09 14:29	0° <b>⊽</b>		greatest brilliancy	7785 Apr 30 22:23	0 H 20°∏50'42	-4.9m
	7782 Nov 03 03:55	0° <b>m</b>		retrograde	7785 May 10 21:18	22° <b>I</b> I43'09	<del>-4</del> .7III
morning set	7782 Nov 25 18:59	27°M50'39		evening set	7785 May 27 22:21	17° <b>Ⅱ</b> 06'54	
morning sec	7782 Nov 27 12:54	0° <b>⊼</b> ¹		inferior conj	7785 May 31 16:55	14° <b>Ⅱ</b> 48'51	7°30'12
	7782 Dec 21 18:45	°5		minimum elong	7785 Jun 01 03:17	14° <b>Ⅲ</b> 32'47	7°28'11
max. Earth dist.	7782 Dec 30 13:39		1.72475 AU	min. Earth dist.	7785 May 31 17:30		0.27320 AU
	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,			morning rise	7785 Jun 05 08:22	12° <b>Ⅱ</b> 00'42	,
superior conj	7783 Jan 02 02:54	14° <b>る</b> 04'13	0°37'54	direct	7785 Jun 21 10:42	6° <b>Ⅱ</b> 59'29	
minimum elong	7783 Jan 02 10:53	14° <b>る</b> 29'01		greatest brilliancy	7785 Jul 01 04:23	8° <b>Ⅱ</b> 45'00	-4.8m
S	7783 Jan 14 22:26	0° <b>≈</b>		desc. node	7785 Jul 05 03:51	10° <b>Ⅲ</b> 21'50	
desc. node	7783 Jan 18 07:45	4°≈13'00			7785 Aug 01 07:42	$0 \circ \mathfrak{S}$	
	7783 Feb 08 00:16	0° <b>)</b> €		morning max el	7785 Aug 09 23:19	8° <b>©</b> 08'28	46°09'38
evening rise	7783 Feb 10 05:07	2° <b>)</b> 44′56		-	7785 Aug 31 05:12	$0^{\circ}\Omega$	
-	7783 Mar 04 00:32	$0^{\circ}\mathbf{\Upsilon}$			7785 Sep 27 05:56	0° m)	
	7783 Mar 28 00:25	$8^{\circ}$ 0			7785 Oct 23 03:00	0∘ <b>⊽</b>	
	7783 Apr 21 02:27	$\Pi^{\circ}0$		asc. node	7785 Oct 26 03:04	3° <b>ჲ</b> 32'19	
asc. node	7783 May 11 06:57	24° <b>Ⅲ</b> 55'37			7785 Nov 17 07:31	$0^{\circ}$ M.	
	7783 May 15 10:14	0°€			7785 Dec 12 00:39	0° <b>∡</b> 7	
	7783 Jun 09 04:36	$0^{\circ}\Omega$			7786 Jan 05 10:05	5°0	
	7783 Jul 04 17:26	0° <b>m</b> y			7786 Jan 29 14:23	0° <b>≈</b>	
	7783 Jul 31 19:32	0。 <b>亚</b>		morning set	7786 Feb 04 13:05	7° <b>≈</b> 24'32	

desc. node	7786 Feb 14 19:38	20° <b>≈</b> 14'01		min. Earth dist.	7788 Aug 11 02:54	26°Ω36'05	0.28275 AU
acco. noue	7786 Feb 22 15:04	0° <b>∀</b>		inferior conj	7788 Aug 11 17:55	26° <b>Ω</b> 12'45	
max. Earth dist.	7786 Mar 14 19:15		1.71331 AU	minimum elong	7788 Aug 11 12:33	26° <b>Ω</b> 21'06	
				morning rise	7788 Aug 17 16:03	22° <b>Ω</b> 40'36	
superior conj	7786 Mar 16 22:25	27° <b>) €</b> 58'27	-1°05'06	direct	7788 Sep 01 22:51	18° <b>Ω</b> 09'55	
minimum elong	7786 Mar 16 10:37	27° <b>)</b> €21'22	1°04'41	greatest brilliancy	7788 Sep 11 17:29	19° <b>Ω</b> 54'01	-4.7m
C	7786 Mar 18 13:08	$0^{\circ}\mathbf{\Upsilon}$			7788 Sep 29 19:41	0° <b>™</b>	
	7786 Apr 11 09:50	0°8		morning max el	7788 Oct 20 16:24	17° mp 54'00	45°41'37
evening rise	7786 Apr 26 11:41	18° <b>8</b> 56'50		-	7788 Nov 01 20:33	0∘ <b>ত</b>	
	7786 May 05 07:05	$\Pi^{\circ}0$		asc. node	7788 Nov 22 15:09	22° <b>₽</b> 17'47	
	7786 May 29 07:05	$0$ $\circ$			7788 Nov 29 12:09	$0^{\circ}$ M	
asc. node	7786 Jun 07 18:47	11° <b>©</b> 47'44			7788 Dec 25 09:24	0° <b>∡</b> ¹	
	7786 Jun 22 12:01	$0^{\circ}\Omega$			7789 Jan 19 09:18	0°ಕ	
	7786 Jul 17 00:04	0° <b>m</b>			7789 Feb 12 21:10	0°≈	
	7786 Aug 10 22:36	0∘ <b>⊽</b>			7789 Mar 09 01:50	0° <b>)</b> €	
	7786 Sep 05 14:07	$0^{\circ}$ M.		desc. node	7789 Mar 14 07:51	6° <b>)</b> 32′43	
desc. node	7786 Sep 27 12:33	24°M34'28			7789 Apr 02 02:01	$0^{\circ}$ Y	
	7786 Oct 02 13:05	0° <b>∡</b> 7		morning set	7789 Apr 21 10:41	24° <b>Y</b> 17'35	
evening max el	7786 Oct 24 15:26	22° <b>҂</b> 31'39	45°44'57		7789 Apr 25 23:43	0° <b>႘</b>	
	7786 Nov 01 17:30	5°0			7789 May 19 21:02	$\Pi$ $^{\circ}0$	
greatest brilliancy	7786 Dec 03 01:16	20°る47'40	-4.8m				
retrograde	7786 Dec 12 10:52	22° <b>る</b> 24'50		superior conj	7789 May 31 17:23	14° <b>∏</b> 51′12	-1°11'46
evening set	7786 Dec 27 23:56	17° <b>る</b> 46'14		minimum elong	7789 Jun 01 04:15	15° <b>Ⅱ</b> 25'13	1°11'34
inferior conj	7787 Jan 02 12:15	14° <b>る</b> 29'03	-3°52'32	max. Earth dist.	7789 Jun 03 21:32	18° <b>Ⅱ</b> 49'36	1.71644 AU
minimum elong	7787 Jan 02 20:16	14° <b>る</b> 16'39	3°50'11		7789 Jun 12 19:56	$0$ $\circ$ $\odot$	
min. Earth dist.	7787 Jan 03 08:23	13° <b>る</b> 57'54	0.27886 AU	asc. node	7789 Jul 05 06:34	27° <b>©</b> 57'58	
morning rise	7787 Jan 08 15:48	10° <b>る</b> 48'56			7789 Jul 06 21:52	$0$ $^{\circ}\Omega$	
asc. node	7787 Jan 18 12:33	6° <b>る</b> 55'12		evening rise	7789 Jul 10 08:50	4° <b>Ω</b> 17'32	
direct	7787 Jan 23 14:48	6° <b>る</b> 23'19			7789 Jul 31 03:34	0° <b>m</b>	
greatest brilliancy	7787 Feb 03 18:28	8° <b>ප්</b> 41'51	-4.8m		7789 Aug 24 13:44	0∘ <b>ত</b>	
	7787 Mar 05 15:49	0° <b>≈</b>			7789 Sep 18 05:53	$0^{\circ}$ M	
morning max el	7787 Mar 15 00:51	9° <b>≈</b> 06'11	46°48'36		7789 Oct 13 06:42	0° <b>∡</b> 7	
	7787 Apr 03 16:30	0° <b>∀</b>		desc. node	7789 Oct 25 00:14	13° <b>∡</b> ′51′22	
	7787 Apr 29 20:44	$0$ ° $\Upsilon$			7789 Nov 07 20:16	0°ರ	
desc. node	7787 May 10 06:14	12° <b>Ƴ</b> 18′25			7789 Dec 04 06:01	0°≈	
	7787 May 25 00:05	$9^{\circ}$ 8			7790 Jan 01 10:11	0° <b>∀</b>	
	7787 Jun 18 16:34	$\Pi$ $^{\circ}0$		evening max el	7790 Jan 05 00:16	3° <b>)</b> €33'58	46°27'10
	7787 Jul 13 04:49	0ಂ <b>ತಾ</b>			7790 Feb 06 10:01	$0$ ° $\Upsilon$	
	7787 Aug 06 15:52	$0 {\circ} \Omega$		greatest brilliancy	7790 Feb 13 23:14	3° <b>Y</b> 29'37	-4.9m
asc. node	7787 Aug 31 04:38	0° Mp 06′37		asc. node	7790 Feb 15 00:14	3° <b>Y</b> 50'51	
	7787 Aug 31 02:28	0° <b>m</b>		retrograde	7790 Feb 23 22:01	5° <b>Y</b> 20'32	
morning set	7787 Sep 16 01:14	19° <b>m</b> 35'42		evening set	7790 Mar 11 10:12	0° <b>Y</b> 36′50	
	7787 Sep 24 12:13	0∘ <b>⊽</b>			7790 Mar 12 11:57	30°Ŗ <b>ℋ</b>	
	7787 Oct 18 20:48	0°M₊		min. Earth dist.	7790 Mar 16 05:51	27° <b>) (</b> 44′31	0.26958 AU
max. Earth dist.	7787 Oct 22 00:25	3°M53'04	1.73311 AU	inferior conj	7790 Mar 16 12:22	27° <b>)</b> 34'31	6°48'32
				minimum elong	7790 Mar 16 01:19	27° <b>∺</b> 51′29	6°46'07
superior conj	7787 Oct 22 17:28	4°M45'38	1°25'30	morning rise	7790 Mar 20 16:29	25° <b>米</b> 03′55	
minimum elong	7787 Oct 22 15:42		1°25'34	direct	7790 Apr 06 04:14	19° <b>¥</b> 48′00	
	7787 Nov 12 04:36	0° <b>∡</b> ″		greatest brilliancy	7790 Apr 15 19:45	21° <b>)</b> 34'18	-4.9m
evening rise	7787 Nov 28 11:23	20° <b>≯</b> 05'16			7790 May 01 01:12	0° <b>Υ</b>	
	7787 Dec 06 12:17	0° <b>ろ</b>		morning max el	7790 May 26 14:50	22° <b>Y</b> 35'48	46°53'55
desc. node	7787 Dec 20 21:45	17° <b>る</b> 45'03			7790 Jun 02 20:09	0° <b>8</b>	
	7787 Dec 30 20:10	0° <b>≈</b>		desc. node	7790 Jun 06 18:12	4° <b>8</b> 08'05	
	7788 Jan 24 04:10	0° <b>∀</b>			7790 Jun 30 03:17	0°П	
	7788 Feb 17 12:44	0° <b>Υ</b>			7790 Jul 26 00:12	0₀ <b>ௐ</b>	
	7788 Mar 13 00:16	0° <b>8</b>			7790 Aug 20 07:27	$0$ $^{\circ}\Omega$	
_	7788 Apr 06 20:23	0°II		_	7790 Sep 14 07:26	0° m/y	
asc. node	7788 Apr 11 21:15	5° <b>∏</b> 59'16		asc. node	7790 Sep 27 16:54	16° To 11'40	
	7788 May 02 12:19	0°©			7790 Oct 09 01:46	0∘ <b>⊽</b>	
	7788 May 30 03:47	$0^{\circ}\Omega$			7790 Nov 02 14:55	0°M	
evening max el	7788 Jun 01 08:45	2° <b>Ω</b> 13'24	46°35'10	morning set	7790 Nov 23 12:06	25° <b>™</b> 41'49	
	7788 Jul 05 17:13	0° <b>m</b> )			7790 Nov 26 23:47	0°⊀ <sup>7</sup>	
greatest brilliancy	7788 Jul 10 08:40	2° Mp 06'47	-4.8m	_	7790 Dec 21 05:39	0° <b>ろ</b>	
retrograde	7788 Jul 21 11:08	4° Tp 23'35		max. Earth dist.	7790 Dec 28 03:55	8° <b>る</b> 35'34	1.72519 AU
desc. node	7788 Aug 01 15:27	1° m 52'09					
evening set	7788 Aug 05 09:42	0° mp 00'02		superior conj	7790 Dec 30 18:06	11°る48'30	
	7788 Aug 05 09:44	30°R <b>Ω</b>		minimum elong	7790 Dec 31 02:31	12° <b>る</b> 14'40	0°40'46

	7791 Jan 14 09:25	0° <b>≈</b>		desc. node	7793 Jul 04 05:44	8° <b>Ⅱ</b> 43'01	
desc. node	7791 Jan 14 09:23	0 ∞ 3°≈44'41		desc. Hode	7793 Jul 04 03:44 7793 Aug 01 10:38	0°9	
desc. Hode	7791 Feb 07 11:23	0° <b>)</b>		morning max el	7793 Aug 01 10:38 7793 Aug 07 13:02	5° <b>©</b> 48'29	46°11'18
evening rise	7791 Feb 07 11:23	0° <b>)</b> (21'33		morning max ci	7793 Aug 30 22:20	0°Ω	40 11 18
evening rise	7791 Mar 03 11:48	0°γ			7793 Sep 26 19:54	0°m)	
	7791 Mar 03 11:48	0°8			7793 Oct 22 15:29	0° <del>م</del>	
	7791 Apr 20 14:12	0°II		asc. node	7793 Oct 25 05:03	ა <u>~</u> 3° <u>~</u> 01'38	
asc. node	7791 May 10 08:59	24° <b>∏</b> 24'42		use. Houe	7793 Nov 16 19:12	0°M	
use. Houe	7791 May 14 22:26	0°9			7793 Dec 11 11:55	0° <b>×</b> 7⊓	
	7791 Jun 08 17:35	$0^{\circ}\Omega$			7794 Jan 04 21:07	0°る	
	7791 Jul 04 07:59	0° mp			7794 Jan 29 01:17	0° <b>≈</b>	
	7791 Jul 31 13:56	0∘ <u>v</u>		morning set	7794 Feb 02 02:28	5° <b>≈</b> 02'38	
evening max el	7791 Aug 12 03:42	11° <b>≏</b> 42'24	45°49'41	desc. node	7794 Feb 13 21:41	19° <b>≈</b> 46′25	
desc. node	7791 Aug 30 03:11	27° <b>£</b> 43'24			7794 Feb 22 01:56	0° <b>)</b> {	
	7791 Sep 02 02:19	o°M.		max. Earth dist.	7794 Mar 12 06:05	22° <b>){</b> 46'55	1.71359 AU
greatest brilliancy	7791 Sep 19 19:08	10°M10'15	-4.7m				
retrograde	7791 Sep 30 04:20	12°M07'06		superior conj	7794 Mar 14 09:47	25° <b>¥</b> 29′12	-1°02'24
evening set	7791 Oct 18 06:38	5°M59'38		minimum elong	7794 Mar 13 21:57	24° <b>¥</b> 52'02	1°01'58
inferior conj	7791 Oct 21 17:41	3°M50'23	-8°33'57	-	7794 Mar 18 00:02	$0^{\circ}\mathbf{\Upsilon}$	
minimum elong	7791 Oct 21 15:26	3°M53'57	8°33'48		7794 Apr 10 20:48	$0^{\circ}$ 8	
min. Earth dist.	7791 Oct 21 17:58	3°M49'56	0.29167 AU	evening rise	7794 Apr 23 22:28	16° <b>8</b> 25'30	
morning rise	7791 Oct 25 00:12	1° <b>M</b> 47'59			7794 May 04 18:07	$\Pi$ $^{\circ}0$	
	7791 Oct 28 02:18	30° <b>Ŗ亞</b>			7794 May 28 18:13	$0$ $\circ$ $\odot$	
direct	7791 Nov 12 07:33	25° <b>ჲ</b> 32'23		asc. node	7794 Jun 06 20:39	11° <b>©</b> 18'45	
greatest brilliancy	7791 Nov 22 18:42	27° <b>£</b> 31′28	-4.7m		7794 Jun 21 23:20	$0^{\circ}\Omega$	
	7791 Nov 28 09:08	$0^{\circ}$ M.			7794 Jul 16 11:46	0° <b>™</b>	
asc. node	7791 Dec 21 02:49	16°M32'16			7794 Aug 10 11:00	0∘ <b>⊽</b>	
morning max el	7791 Dec 31 15:04	26°M23'46	46°02'23		7794 Sep 05 03:54	$0^{\circ}$ M	
	7792 Jan 04 05:59	0°⊀		desc. node	7794 Sep 26 14:39	23°M56'28	
	7792 Feb 01 01:41	8°0			7794 Oct 02 06:02	0° <b>∡</b> 7	
	7792 Feb 26 20:02	0° <b>≈</b>		evening max el	7794 Oct 22 06:14	20° <b>≯</b> 18′03	45°44'14
	7792 Mar 22 16:59	0° <b>∀</b>			7794 Nov 01 21:25	0°ಕ	
desc. node	7792 Apr 10 20:06	23° <b>)</b> €28'39		greatest brilliancy	7794 Nov 30 14:46	18° <b>る</b> 31'00	-4.8m
	7792 Apr 16 02:52	$0$ ° $\Upsilon$		retrograde	7794 Dec 10 01:33	20° <b>る</b> 08'48	
	7792 May 10 06:56	$_{0\circ}$ 8		evening set	7794 Dec 25 16:54	15° <b>る</b> 26'02	
	7792 Jun 03 08:44	$\Pi^{\circ}0$		inferior conj	7794 Dec 31 02:47	12° <b>る</b> 12'01	
	7792 Jun 27 10:49	$0$ $\circ$ $\odot$		minimum elong	7794 Dec 31 11:18	11° <b>る</b> 58'51	4°09'27
morning set	7792 Jul 04 18:14	9° <b>5</b> 05'21		min. Earth dist.	7794 Dec 31 23:03	11° <b>る</b> 40'40	0.27945 AU
	7792 Jul 21 14:34	$0^{\circ}\Omega$		morning rise	7795 Jan 06 04:59	8° <b>る</b> 33'58	
asc. node	7792 Aug 01 18:29	13° <b>Ω</b> 49'54		asc. node	7795 Jan 17 14:32	4° <b>පි</b> 21'56	
		_		direct	7795 Jan 21 06:20	4° <b>る</b> 05'30	
superior conj	7792 Aug 12 00:14	26° <b>Ω</b> 29'54		greatest brilliancy	7795 Feb 01 09:43	6° <b>る</b> 24'16	-4.8m
minimum elong	7792 Aug 11 18:59	26° <b>Ω</b> 13'40	0°24'07		7795 Mar 05 17:38	0° <b>≈</b>	
max. Earth dist.	7792 Aug 14 03:01	29° <b>Ω</b> 06'50	1.72918 AU	morning max el	7795 Mar 12 16:41	6°≈49'43	46°47'31
	7792 Aug 14 20:13	0° <b>т</b> р			7795 Apr 03 09:25	0° <b>∀</b>	
	7792 Sep 08 03:33	0° <b>⊽</b>			7795 Apr 29 10:50	0°Υ 11° <b>0</b> 044117	
evening rise	7792 Sep 17 21:14	11° <b>Ω</b> 59'27		desc. node	7795 May 09 08:13	11° <b>℃</b> 44'17	
	7792 Oct 02 12:46	0°M.			7795 May 24 12:50	0° <b>Β</b>	
	7792 Oct 27 00:41 7792 Nov 20 16:18	0°る			7795 Jun 18 04:32	0° <b>©</b> 10°0	
JJ.		0°る59'35			7795 Jul 12 16:15		
desc. node	7792 Nov 21 11:57 7792 Dec 15 12:16	0°≈		asc. node	7795 Aug 06 02:56 7795 Aug 30 06:43	0° <b>N</b> 29° <b>N</b> 39'53	
	7793 Jan 09 13:47	0 <b>∞</b> 0° <b>∀</b>		asc. node	•	29 <b>8 6</b> 39 33	
	7793 Feb 04 01:13	0 χ 0° <b>Υ</b>		morning sat	7795 Aug 30 13:16 7795 Sep 13 18:10	עווי ט 17°Mp27'22	
	7793 Feb 04 01:13	0° <b>8</b>		morning set	7795 Sep 13 18.10 7795 Sep 23 22:51	0° <b>⊡</b>	
asc. node	7793 Mar 14 11:45	12° <b>8</b> 46'02			7795 Oct 18 07:22	0° <b>™</b>	
evening max el	7793 Mar 18 20:04	17° <b>8</b> 13'09	47°01'10		, , , , 5 OCC 10 07.22	O IIO	
J. Ching mus Ci	7793 Mai 18 20:04 7793 Apr 01 04:15	0°Ⅱ	1, 0110	superior conj	7795 Oct 20 11:06	2°M39'27	1°25'08
greatest brilliancy	7793 Apr 01 04:13	18° <b>Ⅲ</b> 27'21	-4.9m	minimum elong	7795 Oct 20 11:00 7795 Oct 20 08:38	2°M31'50	1°25'11
retrograde	7793 May 08 10:37	20° <b>Ⅱ</b> 19'05		max. Earth dist.	7795 Oct 19 22:06	1°M59'23	1.73320 AU
evening set	7793 May 06 10:37 7793 May 25 15:12	14° <b>∏</b> 37'49		Dartii diot.	7795 Nov 11 15:13	0° <b>√</b>	1.,3320710
inferior conj	7793 May 29 06:16	12° <b>Ⅲ</b> 25'12	7°43'27	evening rise	7795 Nov 26 03:49	17° <b>×7</b> 54'58	
minimum elong	7793 May 29 16:19	12° <b>Ⅱ</b> 09'39	7°41'36		7795 Dec 05 23:03	0° <b>る</b>	
min. Earth dist.	7793 May 29 07:10	12° <b>∏</b> 23'48	0.27304 AU	desc. node	7795 Dec 19 23:40	00 17° <b>る</b> 17'19	
morning rise	7793 Jun 02 17:32	9° <b>∏</b> 43'10			7795 Dec 30 07:11	0° <b>≈</b>	
direct	7793 Jun 18 23:09	4° <b>∏</b> 35'49			7796 Jan 23 15:30	0° <b>)</b> €	
greatest brilliancy	7793 Jun 28 17:44	6° <b>Ⅱ</b> 22'04	-4.8m		7796 Feb 17 00:29	0° <b>Υ</b>	
5							

	7706 Mar 12 12:26	0°B			7709 Aug 10 10:22	0°N	
	7796 Mar 12 12:36 7796 Apr 06 09:46	0°U			7798 Aug 19 19:22 7798 Sep 13 18:41	0° <b>m</b> y	
asc. node	7796 Apr 10 23:17	5° <b>Ⅱ</b> 24'51		asc. node	7798 Sep 13 18:41 7798 Sep 26 18:49	15° Mp 44'11	
asc. node	7796 May 02 03:48	၁ <b>H</b> 2431		asc. node	7798 Sep 20 18:49 7798 Oct 08 12:35	0∘ <b>ʊ</b>	
evening max el	7796 May 30 00:52	29° <b>©</b> 59'31	46°36'45		7798 Nov 02 01:30	o° <b>m</b> .	
evening max er	7796 May 30 00:32	0°Ω	40 30 43	morning set	7798 Nov 21 05:11	23°M34'08	
greatest brilliancy	7796 Jul 08 00:36	29° <b>Ω</b> 53'07	-4.8m	morning sec	7798 Nov 26 10:15	0° <b>⊼</b>	
8	7796 Jul 08 07:45	0° m)			7798 Dec 20 16:08	0°る	
retrograde	7796 Jul 19 03:20	2° m 09'40		max. Earth dist.	7798 Dec 25 19:11		1.72562 AU
C	7796 Jul 29 11:06	30°RΩ					
desc. node	7796 Jul 31 17:33	28° <b>Ω</b> 58'48		superior conj	7798 Dec 28 09:21	9° <b>ප</b> 34'23	0°44'03
evening set	7796 Aug 03 00:44	27° <b>Ω</b> 47'17		minimum elong	7798 Dec 28 18:10	10° <b>る</b> 01'42	0°43'47
inferior conj	7796 Aug 09 09:12	23° <b>Ω</b> 59′22	-2°06'49		7799 Jan 13 19:59	0° <b>≈</b>	
minimum elong	7796 Aug 09 04:32	24° <b>Ω</b> 06'38	2°05'30	desc. node	7799 Jan 16 11:40	3° <b>≈</b> 18′04	
min. Earth dist.	7796 Aug 08 18:15	24° <b>Ω</b> 22'36	0.28229 AU	evening rise	7799 Feb 05 07:35	28° <b>≈</b> 00'00	
morning rise	7796 Aug 15 09:07	20° <b>Ω</b> 25'04			7799 Feb 06 22:05	0° <b>∀</b>	
direct	7796 Aug 30 14:21	15° <b>Ω</b> 57'25			7799 Mar 02 22:40	$0^{\circ}$ $\Upsilon$	
greatest brilliancy	7796 Sep 09 07:37	17° <b>Ω</b> 40'44	-4.7m		7799 Mar 26 22:59	0°8	
	7796 Sep 30 08:38	0° <b>m</b> )			7799 Apr 20 01:36	$\Pi^{\circ 0}$	
morning max el	7796 Oct 18 07:54	15° Mp 43'16	45°41'42	asc. node	7799 May 09 10:52	23° <b>Ⅲ</b> 54'31	
,	7796 Nov 01 14:45	0° <b>ʊ</b>			7799 May 14 10:17	0° <b>©</b>	
asc. node	7796 Nov 21 17:04	21° <b>£</b> 41'52			7799 Jun 08 06:12	0° <b>Ω</b>	
	7796 Nov 29 02:17	0° <b>M</b> 0° <b>⊀</b> ¹			7799 Jul 03 22:11 7799 Jul 31 08:09	0 <b>் ऌ</b> 0° ₥	
	7796 Dec 24 21:53 7797 Jan 18 20:59	0°중		evening max el	7799 Jul 31 08:09 7799 Aug 09 18:07	0 <b>ഫ</b> 28'20	45°50'47
	7797 Feb 12 08:27	0°≈		desc. node	7799 Aug 09 18:07 7799 Aug 29 05:11	26° <b>£</b> 40'41	43 3047
	7797 Mar 08 12:53	0° <b>∺</b>		uese. Houe	7799 Sep 02 17:38	20 <b>=</b> 4041 0° <b>M</b>	
desc. node	7797 Mar 13 09:52	6° <b>₩</b> 04'44		greatest brilliancy	7799 Sep 17 10:34	8°ML01'30	-4.7m
dese. node	7797 Apr 01 12:54	0°Υ		retrograde	7799 Sep 27 20:17	9°M59'24	1.,111
morning set	7797 Apr 18 21:28	21° <b>Υ</b> 46'57		evening set	7799 Oct 15 21:11	3°M54'23	
5 5 5	7797 Apr 25 10:29	0°8		inferior conj	7799 Oct 19 10:10	1°M42'21	-8°31'15
	7797 May 19 07:41	$\Pi^{\circ}$		minimum elong	7799 Oct 19 07:09	1° <b>M</b> 47'07	8°31'04
				min. Earth dist.	7799 Oct 19 09:35	1°M43'17	0.29173 AU
superior conj	7797 May 29 05:44	12° <b>Ⅱ</b> 26′15	-1°13'53		7799 Oct 22 03:36	30° <b>₹</b> Ω	
minimum elong	7797 May 29 16:16	12° <b>Ⅱ</b> 59'14	1°13'44	morning rise	7799 Oct 22 17:06	29° <b>ჲ</b> 39'19	
max. Earth dist.	7797 Jun 01 11:13	16° <b>Ⅱ</b> 28'53	1.71601 AU	direct	7799 Nov 09 23:21	23° <b>≏</b> 24'18	
	7797 Jun 12 06:32	0ංම		greatest brilliancy	7799 Nov 20 10:49	25° <b>≏</b> 23'08	-4.7m
asc. node	7797 Jul 04 08:33	27°531'09			7799 Nov 29 21:29	0°M₊	
	7797 Jul 06 08:28	0°N		asc. node	7799 Dec 20 04:48	15°M37'54	
evening rise	7797 Jul 07 23:17	2° <b>Ω</b> 00'30		morning max el	7799 Dec 29 05:54	24°M09'39	46°01'00
	7797 Jul 30 14:15	0 <b>்⊽</b> 0°™			7800 Jan 04 01:52	0°る	
	7797 Aug 24 00:37 7797 Sep 17 17:08	0° <b>™</b>			7800 Jan 31 16:32 7800 Feb 26 09:00	0° <b>≈</b>	
	7797 Sep 17 17:08 7797 Oct 12 18:39	0° <b>⊼</b> 7			7800 Mar 23 05:01	0 <b>≈</b> 0° <b>H</b>	
desc. node	7797 Oct 24 02:11	13° <b>×</b> <sup>7</sup> 20'36		desc. node	7800 Apr 10 21:59	22° <b>)</b> 58'41	
acse. noue	7797 Nov 07 09:28	0°る		desc. node	7800 Apr 16 14:23	0°Υ	
	7797 Dec 03 21:43	0° <b>≈</b>			7800 May 10 18:06	0°8	
	7798 Jan 01 08:13	0° <b>)</b> €			7800 Jun 03 19:40	$\Pi^{\circ}0$	
evening max el	7798 Jan 02 14:02	1° <b>¥</b> 13′29	46°25'17		7800 Jun 27 21:33	0°©	
	7798 Feb 08 18:40	$0^{\circ}$ Y		morning set	7800 Jul 03 08:42	6°9547'54	
greatest brilliancy	7798 Feb 11 12:41	1° <b>Ƴ</b> 05'19	-4.9m		7800 Jul 22 01:08	$0^{\circ}\Omega$	
asc. node	7798 Feb 14 02:20	1° <b>Ƴ</b> 53'37		asc. node	7800 Aug 01 20:35	13° <b>Ω</b> 23'51	
retrograde	7798 Feb 21 10:18	2° <b>Y</b> 55'01					
	7798 Mar 05 11:30	30° <b>₹</b>		superior conj	7800 Aug 10 16:26	24°Ω19'18	0°21'10
evening set	7798 Mar 08 19:22	28° <b>¥</b> 16'58		minimum elong	7800 Aug 10 11:49	24° <b>Ω</b> 05'03	0°20'52
inferior conj	7798 Mar 14 01:10	25° <b>₩</b> 09'27		max. Earth dist.	7800 Aug 12 19:19		1.72879 AU
minimum elong	7798 Mar 13 14:06	25° <b>₩</b> 26'28			7800 Aug 15 06:40	0 <b>் ம</b> 0° <b>மி</b>	
min. Earth dist.	7798 Mar 13 19:26 7798 Mar 18 08:50	25° <b>升</b> 18'17 22° <b>升</b> 33'25	0.26955 AU	avaning rise	7800 Sep	0° <b>£</b> 9° <b>£</b> 54'43	
morning rise direct	7798 Mar 18 08:50 7798 Apr 03 16:50	17° <b>₩</b> 22'48		evening rise	7800 Sep 16 15:09 7800 Oct 02 23:18	9° <b>11</b> 3443	
greatest brilliancy	7798 Apr 03 16.30 7798 Apr 13 09:54	17 <b>X</b> 2248 19° <b>X</b> 09'54	-4.9m		7800 Oct 02 23:18 7800 Oct 27 11:29	0° <b>⊼</b> 1	
groundst orimiancy	7798 May 01 20:00	19 <b>γ</b> (09 34	т./Ш		7800 Oct 27 11:29 7800 Nov 21 03:30	0°중	
morning max el	7798 May 01 20:00 7798 May 24 03:01	20° <b>Y</b> 09'16	46°54'55	desc. node	7800 Nov 21 03:50	0° <b>る</b> 31'21	
	7798 Jun 02 15:56	0°8			7800 Dec 16 00:06	0°≈	
desc. node	7798 Jun 05 20:03	3° <b>8</b> 22'38			7801 Jan 10 02:36	0° <b>)</b> €	
	7798 Jun 29 18:20	$\Pi^{\circ}0$			7801 Feb 04 15:44	$0^{\circ}\mathbf{\Upsilon}$	
	7798 Jul 25 13:13	0ංම			7801 Mar 03 06:51	$9^{\circ}$ 8	

min	i E d tid	700 ( M 12 00 22	220 1/51147	0.26050 ATT		7000 C 00 00 53	00.0	
died         780 Apr 10 ob 22 bit 10 miles         787 Mo Apr 10 ob 3 bit 145 miles         780 Mo Apr 10 ob 3 bit 145 miles         780 Mo Apr 10 ob 3 bit 145 miles         780 Mo Apr 10 ob 3 bit 145 miles         780 Mo Apr 10 ob 3 bit 145 miles         780 Mo May 21 51 st 1 miles         780 Mo May 21 51 st 1 miles         780 Mo May 21 51 st 2 miles         780 Mo May 21 51 st 2 miles         780 Mo May 21 51 st 2 miles         780 Mo Mo 10 51 st 2 miles         780 Mo Mo 10 51 st 2 miles         780 Mo Mo 10 51 st 2 miles         780 Mo 10 51 st 2 miles	min. Earth dist.	7806 Mar 12 09:22		0.26958 AU		7808 Sep 08 00:52	0° <b>Ω</b>	
greated than the late of the la	=				evening rise	•		
780 My 73 10-18		•						
Months   M	greatest brilliancy	•		-4.9m				
Mode		•			desc. node			
describude         380 Au no 9 2.21         2'83732         - 1978 Per lo 40 60 50         0"H         - 1978 Per lo 40 60 50         1978 Per lo 40 60	morning max el	•		46°55'36				
1908   1908			_					
Section   Sec	desc. node							
sect node         780 Age 20 0743 bits 151.00 of 20 074 bits 151.00 bits 15								
asc. node         780 Sep 10 60:21         0°By         contact         7800 Sep 20 60:21         2°PT         7800 Sep 20 60:21         1°PT         9800 Sep 20 60:21         1°PT         9800 Sep 20 60:20         1°PT         9800 Sep 20 60:20         9710 Sep 20						7809 Mar 03 01:50		
1906   1906   1907   1907   1908		7806 Aug 20 07:43			asc. node	7809 Mar 13 15:43		
March   1960   1962   1962   1964   1965		7806 Sep 14 06:21	0° <b>m</b> ⁄		evening max el	7809 Mar 14 23:09		47°00'48
Morning set   780 No. Vol. 12.28   0°Hz   180 No. Vol. 12.28   180 No	asc. node	7806 Sep 26 20:45	-			•		
Manual   1900   1912   1912   1912   1912   1913   1914		7806 Oct 08 23:49			greatest brilliancy	-		-4.9m
Mach or Mark or Mark or Mark Data (Mark Data)         7-11 Set 12 (1972)         97-27 (1974)         97-		7806 Nov 02 12:28			•			
max. Earth dist.         780 Obe 24 11.30         0°B         minimum dong         780 May 25 10.40         "FIZ2014         800 Sept 25 09.15         "FIZ2014         800 Sept 25 09.15         "FIZ2014         800 Sept 25 09.15         "FIZ2014         30,273 AU           superior conj         780 Dec 27 00.40         "FEJ133         0°40 Feb         firec         7809 Jun 12 01.19         30 PMS         150 PMS           minimum clog         780 Dec 27 00.40         "FEJ133         0°40 Feb         firec         7809 Jun 12 01.19         20 PMS         -           desc. node         780 Teb 60 3 21.11         25°4858.5         5         desc. node         7809 Jun 12 10.19         0°ET 1510 NB         4-810 NB         11510 NB         4-814 NB         11510 NB         4-814 NB         1151 NB         4-814 NB         1151 NB         4-814 NB         4	morning set	7806 Nov 19 22:02			evening set	7809 May 22 00:40		
max. Earth dist.         780 Dec 24 11.43         4°B1013         1.72802 AU         minimath ding rise         7809 May 2: 0.13         713778         0.2726 AU           superior conj         780 Dec 27 09.40         7°B173         0'400         100 minimath         1809 Jun 1 5 012         20193         15 0103           desc. node         7807 Jan 1 6 1340         2*84013         100 minimath         1809 Jun 1 5 012         0'15 10 0 0 0 0         11 15 00 0         180 0 0 0 0         181 0 0 0 0 0 0         181 0 0 0 0 0 0 0         181 0 0 0 0 0 0 0         181 0 0 0 0 0 0 0         181 0 0 0 0 0 0 0         181 0 0 0 0 0 0 0 0         181 0 0 0 0 0 0 0 0 0 0 0         181 0 0 0 0 0 0 0 0 0 0 0         181 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0         181 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0		7806 Nov 26 21:08	0° <b>∡</b> ¹		inferior conj	•	7° <b>Ⅲ</b> 38'12	8°07'22
superior on   780 Dec 27 00.49   75191   04700   1004		7806 Dec 21 03:01			minimum elong	7809 May 25 18:04	7° <b>Ⅲ</b> 24'04	8°05'54
supprint cong minimum clay minimu	max. Earth dist.	7806 Dec 24 11:43	4°る10'13	1.72602 AU	min. Earth dist.	7809 May 25 09:15	7° <b>Ⅱ</b> 37'38	0.27276 AU
minimum olong         Most Dec 27 09-39         7°64735         0°46455         direct         7809 Jun 18 01-36         0°26475         8°70 Jun 18 01-36         0°26475         8°70 Jun 18 01-36         0°26475         8°70 Jun 18 01-36         0°2745         9°2745         9°2745         9°					morning rise	7809 May 29 11:33	5° <b>Ⅱ</b> 09'13	
Messen and   1965   0   0   0   0   0   0   0   0   0	superior conj	7806 Dec 27 00:40	7° <b>る</b> 19'13	0°47'00		7809 Jun 12 01:19	30° <b>₹</b> 8	
desc. node         7807 Im         16 13 Ab         29%5013         desc. node         7809 Jul 03 09:50         5°T3708         4.8m           cvening rise         7807 Feb 03 09:50         29°H S         desc. node         7809 Jul 03 09:50         1°E3728         4°1473           7807 Mar 03 09:51         0°P C         morning max el         7809 Aug 03 19:05         1°E3728         4°1437           880 Mar 27 10 23         0°B         7807 Mar 90 19:19         0°B         7809 Aug 10 19:05         0°B         4°1437           880 Mar 27 01 319         0°B         1254         23°U343         88c, node         7809 Aug 10 19:06         0°B         4°1437           880 Mar 18 04 1304         0°B         10°B         0°B         0°B         10°B         10	minimum elong	7806 Dec 27 09:49	7° <b>る</b> 47'35	0°46'45	direct	7809 Jun 15 01:26	29° <b>8</b> 48'58	
evening rise         RON Feb of 3 21.11         25°-381825         desc. node         7809 ul 03 09.00         5° 13715         4           7807 Feb of 9007         0° H         7800 Aug 03 10.00         1°25128         4° 1437           7807 Mar 03 09.51         0° W         7800 Aug 03 10.00         1° 25128         4° 1437           8807 Mar 27 10.23         0° W         7800 Aug 03 10.00         0° M         1° 200 Aug 03 10.00         0° M           8807 Mar 27 10.23         0° W         880 Aug 03 80.00         1° 200 Aug 03 10.00         0° M         1° 200 Aug 00 10.00         0° M           8807 May 14 22.32         0° Ø         880 Aug 03 80.00         2° 20113         1° 0° M		7807 Jan 14 06:56	0° <b>≈</b>			7809 Jun 18 02:42	$\Pi^{\circ}0$	
1807   1807	desc. node	7807 Jan 16 13:40	2° <b>≈</b> 50'13		greatest brilliancy	7809 Jun 24 18:49	1° <b>Ⅱ</b> 35′08	-4.8m
Part	evening rise	7807 Feb 03 21:11	25° <b>≈</b> 38′25		desc. node	7809 Jul 03 09:50	5° <b>Ⅱ</b> 37'15	
Section   Sec		7807 Feb 07 09:07	0° <b>∀</b>			7809 Aug 02 12:02	0°©	
Section   1907   Apr 20   13:19   19   19   19   19   19   19   19		7807 Mar 03 09:51	$0^{\circ}\Upsilon$		morning max el	7809 Aug 03 19:05	1°915'28	46°14'37
Section   1907   Apr 20   13:19   19   19   19   19   19   19   19		7807 Mar 27 10:23	0°8			7809 Aug 31 07:20	$0^{\circ}\Omega$	
Second   1907 May   9   1254   23° 123° 123° 123° 123° 123° 123° 123°		7807 Apr 20 13:19				•		
Second   1807 May   14   22:32   0° 2° 2° 2° 2° 2° 2° 2° 2° 2° 2° 2° 2° 2°	asc. node	=	23° <b>Ⅱ</b> 23'40			•		
Part		•			asc. node		2° <b>₽</b> 01'13	
cevening max el         7807 Jul ol ol 33.4 ol		•	$\Omega^{\circ}\Omega$			7809 Nov 16 18:17	0° <b>M</b> .	
Sevening max e  7807 Aug 01 03.34   0°Δ   7°Δ   15°201   7810 Jan 04 19.00   0°G   15°C							0° <b>∡</b> ¹	
evening max el         7807 Nug 29 07.07         25°±34'17         morning set         7810 Jan 29 05.17         0°≈         15°43'17         0°≈         15°±34'17         morning set         7810 Jan 29 05.17         0°≈         15°×80'29         17°×84'24'3			•					
desc. node	evening max el	Č		45°52'01				
greatest brilliancy	C	•			morning set			
greatest brilliancy         7807 Sep 16 01:17         5°RL49'S1         4.7m         max. Earth dist.         7810 Feb 2 1 23:41         0°¥         17°H24'3         1.71413 AU           evening set         7807 Sep 26 12:28         7°RL49'30         1.781A 30         max. Earth dist.         7810 Mar 08 02:55         17°H24'32         1.71413 AU           evening set         7807 Oct 17 08:36         30°R         superior conj         7810 Mar 10 08:04         20°H29'22         -0°56'36           inferior conj         7807 Oct 18 02:24         29°B32'95         8°27'52         minimum elong         7810 Mar 10 08:04         20°H29'35'10         0°F0'8           minim Earth dist.         7807 Oct 18 00:44         29°B34'39         029175 AU         7810 Mar 10 18:42         0°P         10°P         1	4050. 11040	•			•			
retrograde evening set 7807 Sep 26 12.28	greatest brilliancy	•		-4 7m	4000. 11040			
evening set         7807 Oct 14 11:11         1°M.47'11         superior conj         7810 Mar 10 80:4         20°H.29'22         -0°56'36           inferior conj         7807 Oct 17 08:36         30°R.4         superior conj         7810 Mar 10 80:4         20°H.29'22         -0°56'36           minimum clong         7807 Oct 18 00:4         20°P.33759         8°27'36         minimum clong         7810 Mar 17 21:51         0°°P         10°°P           minimum clong         7807 Oct 18 00:44         20°P.34'39         0.29175 AU         7810 Mar 17 21:51         0°°P         10°°P           morning rise         7807 Nov 08 15:05         21°P.31'57         evening rise         7810 Mar 04 16:07         0°T         10°E		-		1.7111	max Farth dist			1 71413 AU
No	•	•			max. Earth dist.	7010 With 00 02.57	17 7(42 43	1.71415710
minimum elong   7807 Oct   18   02.24   29° ±32′02   8°27′52   minimum elong   7810 Mar   09   20.32   19° ±53′10   0°56′08	evening set				superior coni	7810 Mar 10 08:04	20°¥29'22	-0°56'36
minimum elong         7807 Oct 17 22:37         29° Δ37'59         8°27'36         7810 Mar 17 21:51         0°° Υ           min. Earth dist.         7807 Oct 18 00:44         29° Δ34'39         0.29175 AU         7810 Apr 10 18:42         0° δ           morning rise         7807 Oct 21 10:02         27° Δ28'07         evening rise         7810 Apr 19 19:44         11° δ22'0           direct         7807 Nov 08 15:05         21° Δ15'2         -4.7m         7810 May 28 16:26         0° Δ           greatest brilliancy         7807 Dec 20 23:55         0° M         -4.7m         asc. node         7810 Jun 06 00:42         10° Δ21'59           asc. node         7807 Dec 27 21:26         21° M-43'30         -4.7m         asc. node         7810 Jun 06 00:42         10° Δ21'59           morning max el         7807 Dec 27 21:26         21° M-50'2         45° 59'43         7810 Jun 16 11:12         0° M           7808 Feb 20 0 07:38         0° S         45° 59'43         7810 Jul 16 11:12         0° M           7808 Feb 20 0 07:38         0° S         45° 59'43         7810 Jul 16 11:12         0° M           7808 Feb 20 0 07:38         0° S         45° 59'43         45° 10 Jul 16 11:12         0° M           40 sec. node         7810 Jul 16 11:12         0° M         45° 10 Jul 16	inferior coni			8027152				
min. Earth dist.         7807 Oct 18 00:44         29° £34'39         0.29175 AU         evening rise         7810 Apr 10 18:42         0° 8         Hording rise           direct         7807 Nov 18 15:05         21° £135'5         evening rise         7810 Apr 19 19:44         11° 822'00         -           greatest brilliancy         7807 Nov 19 02:33         23° £12'40         -4.7m         80.0m         7810 Jun 06 00:42         10° £21'15         -           asc. node         7807 Dec 01 23:55         10° €         -4.7m         80.0m         7810 Jun 06 00:42         10° £2'15'15         -           asc. node         7807 Dec 02 06:55         14° €         4.7m         80.0m         7810 Jun 06 00:42         10° £2'15'15         -           morning max el         7807 Dec 02 7 21:26         21° €         21° €         4° €         4.7m         7810 Jun 06 00:42         10° £2' £15'8         0° £           morning max el         7807 Dec 02 7 21:26         21° €         21° €         4° €         40° €         7810 Jun 01 16 11:2         0° €         0° €         0° €         7810 Aug 10 11:56         0° €         0° €         0° €         0° €         0° €         0° €         0° €         0° €         0° €         0° €         0° €         0° €	·				minimum ciong			0 30 08
morning rise         7807 Oct 21 10:02         27°Ω2807         evening rise         7810 Apr 19 19:44         11°822'00           direct         7807 Nov 98 15:05         21°Ω13'57         revening rise         7810 May 04 16:07         0°Π           greatest brilliancy         7807 Nov 19 02:33         23°Ω12'40         -4.7m         7810 May 28 16:26         0°Φ           asc. node         7807 Dec 01 23:55         0°Π         asc. node         7810 Jun 21 21:58         0°Ω         10°Φ21'59           asc. node         7807 Dec 20 06:55         14°M-43'30         revening max el         7810 Jun 21 21:58         0°Ω         0°Ω           morning max el         7807 Dec 27 21:26         21°M-56'02         45°59'43         revening max el         7810 Jul 16 11:12         0°Φ         0°Ω           7808 Feb 01 07:38         0°Φ         45°59'43         revening max el         7810 Aug 10 11:56         0°Ω         0°M           desc. node         7808 Feb 26 22:16         0°∞         0°Φ         480 cen node         7810 Aug 10 11:56         0°Φ         0°M           desc. node         7808 Apr 16 02:10         0°Ψ         20°H-28°         20°H-28°         810 Oct 18 13:38         15°%55'54         45°42'53           7808 Jun 20 05:33         0°U         0°P	•							
direct   7807 Nov   08   15:05   21° ±13'57   22° ±13'57   30° ±12'40   4.7m   7810 May   18   16:26   0° ±2   10° ±21'59   38c. node   7810 Jun   06   00:42   10° ±0 ±10' ±10' ±10' ±10' ±10' ±10' ±10' ±				0.2)1/3 AO	evening rise			
greatest brilliancy         7807 Nov 19 02:33         23°Ω12'40         4.7m         asc. node         7810 May 28 16:26         0°Φ         4.7m         asc. node         7810 May 28 16:26         0°Φ         4.7m         4.7m         asc. node         7810 Jun 06 00:42         10°Φ21'59         4.7m         4.7m         4.7m         4.7m         7810 Jun 06 00:42         10°Φ21'59         4.7m         4.7m         4.7m         7810 Jun 07 30         0.7m         1.7m					evening rise	•		
7807 Dec 01 23:55   0°ML   asc. node   7810 Jun   06   00:42   10°©21'59   asc. node   7807 Dec   20   06:55   14°ML43'30   7810 Jun   21   21:58   0°Ω   7810 Jun   20   11:56   20   20   11:36   20   20   11:36   20   20   11:36   20   20   11:36   20   20   11:36   20   20   20   20   20   20   20   2				4.7m		•		
Sasc. node   7807 Dec   20   06:55   14° M.43'30   42° S9'43   7810 Jun   21   21:58   0° Ω   7810 Jun   16   11:12   0° M   7808 Jun   04   21:41   0° \$\sqrt{\$\sq}\$}}\$}}\$}\eq\eq\eq\eq\eq\eq\eq\eq\eq\eq\eq\eq\eq\	greatest offinancy			- <del>4</del> ./III	asc node	•		
Morning max el   7807 Dec 27 21:26   21° 11.56′02   45°59′43   7810 Jul 16 11:12   0° 10′ 11:56′02   11:56	asc node				asc. node			
7808 Jan 04 21:41 の°メ				45°50'43				
7808 Feb   01   07:38   0° \rightarrow   0° \rightarrow   7810 Sep   05   07:49   0° \rightarrow   0° \r	morning max ci			73 37 73				
Page						•		
T808 Mar   22   17:21   0° H   T810 Oct   02   16:56   0° A   T810 Oct   18   13:38   15° A   55'43   45° 42'53   7808 Apr   16   02:10   0° Y   7810 Nov   03   11:08   0° B   7810 Nov   03   11:08   0° B   7808 May   10   05:33   0° B   greatest brilliancy   7810 Nov   26   18:38   14° B   200'20   -4.8m   7808 Jun   03   06:53   0° I   retrograde   7810 Dec   06   06:27   15° B   38'01   10° B   4° B   20' B   10°					dasa nada	=		
desc. node   7808 Apr   09   23:58   22° \( \) \( \) \( 22 \) \( \) \( \) \( 22 \) \( \) \( 22 \) \( \) \( 22 \) \( \) \( 22 \) \( 22 \) \( \) \( 22 \) \					desc. node	•		
7808 Apr 16 02:10 0°Y 7810 Nov 03 11:08 0°舌 7808 May 10 05:33 0°場 greatest brilliancy 7810 Nov 26 18:38 14°弓00'20 -4.8m 7808 Jun 03 06:53 0°耳 retrograde 7810 Dec 06 06:27 15°弓38'01 evening set 7808 Jun 27 08:36 0°⑤ evening set 7810 Dec 22 03:33 10°弓47'28 retrograde 7810 Dec 27 08:17 7°弓39'43 -4°48'38 7808 Jul 21 12:04 0°Ω minimum elong 7810 Dec 27 17:35 7°弓25'17 4°46'07 asc. node 7808 Jul 21 12:04 0°Ω minimum elong 7810 Dec 28 04:33 7°弓08'15 0.28065 AU morning rise 7811 Jan 02 07:04 4°弓05'55 superior conj 7808 Aug 08 08:17 22°Ω06'14 0°17'32 asc. node 7811 Jan 12 18:57 30°R 🛪 minimum elong 7808 Aug 10 11:32 24°Ω44'42 1.72847 AU direct 7811 Jan 17 13:56 29° 331'59 **	dasa nada				ovening may al			15012152
T808 May 10 05:33 0°8   greatest brilliancy   T810 Nov 26 18:38   14°300'20 -4.8m	desc. Hode	•			evening max er			45 42 55
7808 Jun   23   06:53   0°		•			grantagt brillianav			1 9m
Page								-4.0111
morning set 7808 Jun 30 23:06 4°至29'07 inferior conj 7810 Dec 27 08:17 7°云39'43 -4°48'38 7808 Jul 21 12:04 0° Ω minimum elong 7810 Dec 27 17:35 7°云25'17 4°46'07 asc. node 7808 Jul 31 22:29 12° Ω55'57 minimum elong 7810 Dec 28 04:33 7°云08'15 0.28065 AU morning rise 7811 Jan 02 07:04 4°云05'55 superior conj 7808 Aug 08 08:17 22° Ω06'14 0°17'49 7811 Jan 12 18:57 30° R ズ minimum elong 7808 Aug 08 04:21 21° Ω54'04 0°17'32 asc. node 7811 Jan 16 18:30 29° ズ32'46 max. Earth dist. 7808 Aug 10 11:32 24° Ω44'42 1.72847 AU direct 7811 Jan 17 13:56 29° ズ31'59					-			
7808 Jul   21 12:04   0°Ω   minimum elong   7810 Dec 27 17:35   7°₹25'17   4°46'07     asc. node   7808 Jul   31 22:29   12°Ω55'57   min. Earth dist.   7810 Dec 28 04:33   7°₹08'15   0.28065 AU     morning rise   7811 Jan   02 07:04   4°₹05'55     superior conj   7808 Aug 08 08:17   22°Ω06'14   0°17'49   minimum elong   7808 Aug 08 04:21   21°Ω54'04   0°17'32   asc. node   7811 Jan   16 18:30   29°₹32'46     max. Earth dist.   7808 Aug 10 11:32   24°Ω44'42   1.72847 AU   direct   7811 Jan   17 13:56   29°₹31'59       minimum elong   7808 Aug 10 11:32   24°Ω44'42   1.72847 AU   direct   7811 Jan   17 13:56   29°₹31'59       minimum elong   7808 Aug 10 11:32   24°Ω44'42   1.72847 AU   direct   7811 Jan   17 13:56   29°₹31'59       minimum elong   7810 Dec 27 17:35   7°₹25'17   4°46'07     min. Earth dist.   7811 Jan   02 07:04   4°₹05'55     7811 Jan   12 18:57   30°₹₹       minimum elong   7810 Dec 28 04:33   7°₹08'15   0.28065 AU     morning rise   7811 Jan   12 18:57   30°₹₹       morning rise   781	morning act				•			1010120
asc. node 7808 Jul 31 22:29 12°Ω55'57 min. Earth dist. 7810 Dec 28 04:33 7°♂08'15 0.28065 AU morning rise 7811 Jan 02 07:04 4°♂05'55 superior conj 7808 Aug 08 08:17 22°Ω06'14 0°17'49 7811 Jan 12 18:57 30°R√₹ minimum elong 7808 Aug 08 04:21 21°Ω54'04 0°17'32 asc. node 7811 Jan 16 18:30 29°√₹32'46 max. Earth dist. 7808 Aug 10 11:32 24°Ω44'42 1.72847 AU direct 7811 Jan 17 13:56 29°√₹31'59	morning set				·			
morning rise 7811 Jan 02 07:04 $4^{\circ}$ $\Xi$ 05'55 superior conj 7808 Aug 08 08:17 $22^{\circ}\Omega$ 06'14 0°17'49 7811 Jan 12 18:57 $30^{\circ}$ R\$\sqrt{1}\$ minimum elong 7808 Aug 08 04:21 $21^{\circ}\Omega$ 54'04 0°17'32 asc. node 7811 Jan 16 18:30 $29^{\circ}$ \$\sqrt{3}2'46 max. Earth dist. 7808 Aug 10 11:32 $24^{\circ}\Omega$ 44'42 1.72847 AU direct 7811 Jan 17 13:56 $29^{\circ}$ \$\sqrt{3}1'59	aca mad-				•			
superior conj 7808 Aug 08 08:17 $22^{\circ}\Omega$ 06'14 0°17'49 7811 Jan 12 18:57 30°R $\nearrow$ minimum elong 7808 Aug 08 04:21 $21^{\circ}\Omega$ 54'04 0°17'32 asc. node 7811 Jan 16 18:30 $29^{\circ}\nearrow$ 32'46 max. Earth dist. 7808 Aug 10 11:32 $24^{\circ}\Omega$ 44'42 1.72847 AU direct 7811 Jan 17 13:56 $29^{\circ}\nearrow$ 31'59	asc. node	/808 Jul 31 22:29	14786353/					0.28065 AU
minimum elong 7808 Aug 08 04:21 21° $\Omega$ 54'04 0°17'32 asc. node 7811 Jan 16 18:30 29° $\varkappa$ 732'46 max. Earth dist. 7808 Aug 10 11:32 24° $\Omega$ 44'42 1.72847 AU direct 7811 Jan 17 13:56 29° $\varkappa$ 731'59	aumania	7000 4 00 00 17	220 000114	0017140	morning rise			
max. Earth dist. 7808 Aug 10 11:32 24° Ω44'42 1.72847 AU direct 7811 Jan 17 13:56 29° № 31'59		•			1			
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/808 Aug 14 17:32 0°順 7811 Jan 22 11:14 0°る	max. Earth dist.	-		1./2847 AU	airect			
		/808 Aug 14 17:32	U~II <b>ÿ</b>			/811 Jan 22 11:14	0 ک	

greatest brilliancy	7811 Jan 28 15:48	1° <b>る</b> 49'19	-4.8m		7813 Oct 12 19:12	0° <b>∡</b> 7	
8	7811 Mar 06 17:40	0° <b>≈</b>		desc. node	7813 Oct 23 06:13	12° <b>√</b> 17'47	
morning max el	7811 Mar 08 23:06	2° <b>≈</b> 13′28	46°44'39		7813 Nov 07 12:44	ರ°0	
C	7811 Apr 03 18:34	0° <b>∀</b>			7813 Dec 04 06:24	0° <b>≈</b>	
	7811 Apr 29 14:52	$0^{\circ}\mathbf{\Upsilon}$		evening max el	7813 Dec 29 15:51	26° <b>≈</b> 27'47	46°21'42
desc. node	7811 May 08 12:10	10° <b>Ƴ</b> 35'48		C	7814 Jan 02 07:39	0° <b>∀</b>	
	7811 May 24 14:19	0° <b>႘</b>		greatest brilliancy	7814 Feb 07 15:33	26° <b>)</b> 16′04	-4.9m
	7811 Jun 18 04:29	$\Pi^{\circ}0$		asc. node	7814 Feb 13 06:13	27° <b>)(</b> 43'43	
	7811 Jul 12 15:09	$0$ $\circ$ $\odot$		retrograde	7814 Feb 17 10:46	28° <b>)</b> €04'20	
	7811 Aug 06 01:06	$0^{\circ}\Omega$		evening set	7814 Mar 04 14:22	23° <b>)</b> €35'19	
asc. node	7811 Aug 29 10:32	28° <b>Ω</b> 44'58		inferior conj	7814 Mar 10 02:58	20° <b>¥</b> 19′06	5°56'08
	7811 Aug 30 10:57	O° Mp		minimum elong	7814 Mar 09 16:06	20° <b>)</b> 35′47	5°53'27
morning set	7811 Sep 10 04:16	13° <b>m</b> 11'05		min. Earth dist.	7814 Mar 09 23:07	20° <b>∺</b> 25′00	0.26965 AU
	7811 Sep 23 20:14	0∘ <b>ত</b>		morning rise	7814 Mar 14 17:39	17° <b>)</b> 32′50	
				direct	7814 Mar 30 17:51	12° <b>)</b> €31′21	
superior conj	7811 Oct 16 22:49	28° <b>≏</b> 28'04	1°24'03	greatest brilliancy	7814 Apr 09 15:30	14° <b>¥</b> 22'04	-4.9m
minimum elong	7811 Oct 16 19:02	28° <b>≏</b> 16'25	1°24'04		7814 May 03 20:54	$0^{\circ}$ Y	
max. Earth dist.	7811 Oct 16 14:33	28° <b>ჲ</b> 02'36	1.73328 AU	morning max el	7814 May 20 04:23	15° <b>Ƴ</b> 16'53	46°56'25
	7811 Oct 18 04:39	0°M₊			7814 Jun 03 06:25	$9^{\circ}$ 8	
	7811 Nov 11 12:35	0°⊀		desc. node	7814 Jun 05 00:09	1° <b>8</b> 52'53	
evening rise	7811 Nov 22 13:08	13° <b>∡</b> 35′20			7814 Jun 30 00:33	$\Pi$ °0	
	7811 Dec 05 20:43	0°ಕ			7814 Jul 25 15:44	0₀ <b>©</b>	
desc. node	7811 Dec 19 03:41	16° <b>る</b> 22'05			7814 Aug 19 19:45	$0$ ° $\Omega$	
	7811 Dec 30 05:22	0° <b>≈</b>		_	7814 Sep 13 17:42	0° m)	
	7812 Jan 23 14:25	0° <b>)</b> €		asc. node	7814 Sep 25 22:49	14° <b>m</b> 47'57	
	7812 Feb 17 00:22	0° <b>Υ</b>			7814 Oct 08 10:43	0∘ <b>⊽</b>	
	7812 Mar 12 13:53	8°0			7814 Nov 01 23:07	0°M	
,	7812 Apr 06 13:24	0° <b>П</b>		morning set	7814 Nov 17 15:22	19° <b>ጤ</b> 17'17	
asc. node	7812 Apr 10 03:12	4° <b>Ⅱ</b> 13'16			7814 Nov 26 07:41	0° <b>⊼</b>	
	7812 May 02 12:13	ು.ಎಲ್. ೧.ಎ	46020152	E d Ed	7814 Dec 20 13:36	0°る	1.70/4/ 411
evening max el	7812 May 26 07:35	25° <b>©</b> 25'38 0° <b>Ω</b>	46°39'53	max. Earth dist.	7814 Dec 22 06:55	2° <b>る</b> 08'07	1.72646 AU
araataat brillianay	7812 May 30 23:05	0°8ℓ 25° <b>Ω</b> 25'10	4 9	aumariar aani	7814 Dec 24 16:21	5° <b>る</b> 06'09	0°49'52
greatest brilliancy retrograde	7812 Jul 04 09:59 7812 Jul 15 10:12	$23^{\circ} \Omega 38'58$	-4.6111	superior conj minimum elong	7814 Dec 24 16.21 7814 Dec 25 01:46	5° <b>る</b> 35'21	0°49'36
evening set	7812 Jul 30 07:01	27 <b>δι</b> 38 38 23° <b>Ω</b> 18'36		minimum ciong	7814 Dec 23 01:40 7815 Jan 13 17:37	0°≈	0 49 30
desc. node	7812 Jul 30 07:01 7812 Jul 30 21:25	23° <b>Ω</b> 58'38		desc. node	7815 Jan 15 15:35	0 ∞ 2°≈22'53	
min. Earth dist.	7812 Aug 05 01:43		0.28127 AU	evening rise	7815 Feb 01 10:57	23°≈18'10	
inferior conj	7812 Aug 05 15:28	19° <b>Ω</b> 30'26		evening rise	7815 Feb 06 19:57	0° <b>∀</b>	
minimum elong	7812 Aug 05 12:18	19° <b>Ω</b> 35'23			7815 Mar 02 20:52	0°Υ	
morning rise	7812 Aug 11 18:20	15° <b>Ω</b> 51'46	. 2		7815 Mar 26 21:38	0°8	
direct	7812 Aug 26 19:56	11° <b>Ω</b> 30'15			7815 Apr 20 00:54	0°II	
greatest brilliancy	7812 Sep 05 12:31	13° <b>Ω</b> 12'34	-4.7m	asc. node	7815 May 08 14:55	22° <b>∏</b> 53'19	
8	7812 Oct 02 01:38	0° m			7815 May 14 10:36	0°©	
morning max el	7812 Oct 14 12:26	11° mp 14'31	45°42'12		7815 Jun 08 08:17	$0^{\circ}\Omega$	
C	7812 Nov 02 02:09	0° <del>ٽ</del>			7815 Jul 04 03:51	0° <b>™</b>	
asc. node	7812 Nov 20 21:06	20° <b>≏</b> 30'34			7815 Jul 31 23:10	0∘ <b>⊽</b>	
	7812 Nov 29 06:22	0°M		evening max el	7815 Aug 06 00:14	5° <b>₽</b> 00'50	45°53'23
	7812 Dec 24 22:55	0° <b>∡</b> ¹		desc. node	7815 Aug 28 09:09	24° <b>≏</b> 27'30	
	7813 Jan 18 20:33	ರ°0			7815 Sep 05 21:26	$0^{\circ}$ M	
	7813 Feb 12 07:14	0° <b>≈</b>		greatest brilliancy	7815 Sep 13 15:43	3°M39'16	-4.7m
	7813 Mar 08 11:15	0° <b>)</b> €		retrograde	7815 Sep 24 05:17	5° <b>M</b> 41′11	
desc. node	7813 Mar 12 13:46	5° <b>₩</b> 07'17			7815 Oct 11 13:01	30° <b>₹</b> Ω	
	7813 Apr 01 11:01	$0$ ° $\mathbf{\Upsilon}$		evening set	7815 Oct 12 01:11	29° <b>≏</b> 41'51	
morning set	7813 Apr 14 18:09	16° <b>Y</b> 41′23		inferior conj	7815 Oct 15 18:47	27° <b>≏</b> 23'19	
	7813 Apr 25 08:26	0°B		minimum elong	7815 Oct 15 14:18	27° <b>≏</b> 30'20	
	7813 May 19 05:31	$\Pi$ °0		min. Earth dist.	7815 Oct 15 15:44	27° <b>Ω</b> 28'05	0.29171 AU
		_,		morning rise	7815 Oct 19 03:25	25° <b>Ω</b> 18'06	
superior conj	7813 May 25 05:23	7° <b>Ⅱ</b> 31'10		direct	7815 Nov 06 07:27	19° <b>Ω</b> 05'24	
minimum elong	7813 May 25 14:59	8° <b>Ⅱ</b> 01'13		greatest brilliancy	7815 Nov 16 17:54	21° <b>Ω</b> 03'34	-4./m
max. Earth dist.	7813 May 28 05:19		1.71520 AU	•	7815 Dec 02 18:21	0°M	
•	7813 Jun 12 04:19	0°©		asc. node	7815 Dec 19 08:45	13°M51'04	4505010 -
asc. node	7813 Jul 03 12:29	26°935'40		morning max el	7815 Dec 25 13:45	19°M46'01	45°58'25
evening rise	7813 Jul 04 02:40	27°©19'44			7816 Jan 04 16:22	0° <b>∡</b> 7	
	7813 Jul 06 06:16	0° <b>Ω</b>			7816 Jan 31 22:04	ರ°0 ೧°00	
	7813 Jul 30 12:11	0° <b>™</b>			7816 Feb 26 11:03	0° <b>Ж</b>	
	7813 Aug 23 22:54 7813 Sep 17 16:12	0° <b>™</b> 0° <b>亚</b>		desc. node	7816 Mar 22 05:19 7816 Apr 09 02:01	0° <del>X</del> 21° <b>X</b> 58'28	
	1013 Sep 1/ 10.12	O IIG		uese. Hout	1010 Apr 07 02.01	21 <b>N</b> 30 28	

	7816 Apr 15 13:40	$_{0^{\circ}}\!\mathbf{\gamma}$			7818 Oct 02 10:50	0° <b>∡</b> 7	
	7816 May 09 16:45	0°8		evening max el	7818 Oct 16 04:33	13° <b>х</b> 43'07	45°42'15
	7816 Jun 02 17:51	0°II		evening max er	7818 Nov 03 21:48	0°る	15 12 15
	7816 Jun 26 19:22	0 . ಅ		greatest brilliancy	7818 Nov 24 09:29	11° <b>る</b> 46'54	-4.8m
morning set	7816 Jun 28 13:07	2°909'56		retrograde	7818 Dec 03 20:19	13° <b>る</b> 23'46	
8	7816 Jul 20 22:40	$0^{\circ}\Omega$		evening set	7818 Dec 19 21:08	8° <b>る</b> 29'13	
asc. node	7816 Jul 31 00:24	12° <b>Ω</b> 29′08		inferior conj	7818 Dec 24 23:13	5° <b>ರ</b> 24'56	-5°06'16
				minimum elong	7818 Dec 25 08:48	5° <b>ප</b> 10'01	5°03'44
superior conj	7816 Aug 05 23:50	19° <b>Ω</b> 53'11	0°14'24	min. Earth dist.	7818 Dec 25 19:49	4° <b>る</b> 52'52	0.28121 AU
minimum elong	7816 Aug 05 20:37	19° <b>Ω</b> 43'14	0°14'10	morning rise	7818 Dec 30 19:55	1° <b>る</b> 53'28	
behind sun begin	7816 Aug 05 09:32	19° <b>Ω</b> 08'54			7819 Jan 03 13:12	30°₽ <b>⋌</b>	
behind sun end	7816 Aug 06 07:43	20° <b>Ω</b> 17'33		direct	7819 Jan 15 05:18	27° <b>х</b> 16′33	
max. Earth dist.	7816 Aug 08 05:42	22° <b>Ω</b> 39'50	1.72811 AU	asc. node	7819 Jan 15 20:30	27° <b>∡</b> °17′01	
	7816 Aug 14 04:04	0° <b>™</b>		greatest brilliancy	7819 Jan 26 07:26	29° <b>∡</b> ³33'38	-4.8m
	7816 Sep 07 11:24	0∘ <b>ত</b>			7819 Jan 27 09:13	0°ප	
evening rise	7816 Sep 12 02:10	5° <b>£</b> 41′05		morning max el	7819 Mar 06 13:00	29° <b>る</b> 53'03	46°43'22
	7816 Oct 01 20:58	0°M₊			7819 Mar 06 15:45	0° <b>≈</b>	
	7816 Oct 26 09:37	0°⊀			7819 Apr 03 10:19	0° <b>∀</b>	
desc. node	7816 Nov 19 17:53	29° <b>∡</b> ³34'07			7819 Apr 29 04:21	0° <b>Υ</b>	
	7816 Nov 20 02:26	0°ಕ		desc. node	7819 May 07 14:08	10° <b>Y</b> ′02'45	
	7816 Dec 15 00:21	0° <b>≈</b>			7819 May 24 02:40	0°B	
	7817 Jan 09 04:56	0° <b>∀</b>			7819 Jun 17 16:09	0°Щ	
	7817 Feb 03 21:44	0° <b>Υ</b>			7819 Jul 12 02:22	0°95	
	7817 Mar 02 20:56	0°8			7819 Aug 05 12:00	$0$ ° $\Omega$	
evening max el	7817 Mar 12 13:51	10° <b>8</b> 04'45	47°00'12	asc. node	7819 Aug 28 12:37	28° <b>Ω</b> 18'32	
asc. node	7817 Mar 12 17:44	10° <b>8</b> 14'31			7819 Aug 29 21:37	0° my	
	7817 Apr 03 09:58	0°II	4.0	morning set	7819 Sep 07 20:59	11°M 02'18	
greatest brilliancy	7817 Apr 22 05:37	11° <b>I</b> I14'50	-4.9m		7819 Sep 23 06:45	0∘ <b>⊽</b>	
retrograde	7817 May 02 04:27	13° <b>Ⅱ</b> 07'29			7010.0 + 14.16.20	260 0 22120	1022110
evening set	7817 May 19 17:04	7° <b>Ⅱ</b> 11'11 5° <b>Ⅱ</b> 14'01	8°18'07	superior conj	7819 Oct 14 16:28	26° <b>Ω</b> 22'20	1°23'19 1°23'20
inferior conj	7817 May 22 21:55	5° <b>П</b> 00'43	8°16'50	minimum elong max. Earth dist.	7819 Oct 14 12:02	26° <b>£</b> 08'41 25° <b>£</b> 57'45	1.73329 AU
minimum elong min. Earth dist.	7817 May 23 06:33 7817 May 22 21:45	5° <b>П</b> 14'16	0.27262 AU	max. Earth dist.	7819 Oct 14 08:29 7819 Oct 17 15:06	25° <b>==</b> 57′45 0° <b>™</b>	1.73329 AU
morning rise	7817 May 26 20:10	2° <b>∏</b> 51'34	0.27202 AU		7819 Nov 10 23:05	0° <b>∕</b> 7⊓	
morning risc	7817 Jun 01 07:56	30°R <b>∀</b>		evening rise	7819 Nov 10 25:05 7819 Nov 20 05:43	11° <b>∡</b> 25'55	
direct	7817 Jun 12 14:53	27° <b>8</b> 25'10		evening rise	7819 Nov 20 03:43 7819 Dec 05 07:24	11 × 25 55	
greatest brilliancy	7817 Jun 22 06:37	29° <b>8</b> 10'21	-4.8m	desc. node	7819 Dec 18 05:35	0 <b>ろ</b> 15° <b>ろ</b> 54'38	
greatest orimaney	7817 Jun 24 10:49	0°II	1.0111	dese. Hode	7819 Dec 29 16:20	0°≈	
desc. node	7817 Jul 02 11:42	4° <b>Ⅱ</b> 08'54			7820 Jan 23 01:43	0° <b>∀</b>	
morning max el	7817 Aug 01 09:44	28° <b>I</b> I58'08	46°16'15		7820 Feb 16 12:07	0° <b>Υ</b>	
5 5	7817 Aug 02 10:57	0ಂತಾ			7820 Mar 12 02:21	0°8	
	7817 Aug 30 23:14	$0^{\circ}\Omega$			7820 Apr 06 03:05	0°II	
	7817 Sep 26 12:29	0° <b>m</b> p		asc. node	7820 Apr 09 05:13	3° <b>Ⅱ</b> 38'18	
	7817 Oct 22 04:02	0∘ <b>⊽</b>			7820 May 02 04:31	$0$ $\circ$ $\odot$	
asc. node	7817 Oct 23 10:56	1° <b>ჲ</b> 31'36		evening max el	7820 May 23 21:35	23° <b>©</b> 05'59	46°41'13
	7817 Nov 16 05:34	0°M			7820 May 30 23:20	$0^{\circ}\Omega$	
	7817 Dec 10 21:06	0°⊀		greatest brilliancy	7820 Jul 02 02:49	23° <b>Ω</b> 11'38	-4.8m
	7818 Jan 04 05:41	5°0		retrograde	7820 Jul 13 01:02	25° <b>Ω</b> 24'05	
morning set	7818 Jan 26 19:22	28° <b>る</b> 00'53		evening set	7820 Jul 27 22:19	21° <b>Ω</b> 03′55	
	7818 Jan 28 09:38	0° <b>≈</b>		desc. node	7820 Jul 29 23:31	19° <b>Ω</b> 54'03	
desc. node	7818 Feb 12 03:37	18° <b>≈</b> 23'50		min. Earth dist.	7820 Aug 02 17:51		0.28085 AU
	7818 Feb 21 10:17	0° <b>∀</b>		inferior conj	7820 Aug 03 06:35	17° <b>Ω</b> 16′21	
max. Earth dist.	7818 Mar 05 11:34	15° <b>∺</b> 05'57	1.71443 AU	minimum elong	7820 Aug 03 04:11	17° <b>Ω</b> 20′05	1°03'04
				morning rise	7820 Aug 09 10:41	13° <b>Ω</b> 35'44	
superior conj	7818 Mar 07 19:50	18° <b>米</b> 02′23		direct	7820 Aug 24 10:06	9° <b>Ω</b> 16'39	
minimum elong	7818 Mar 07 08:35	17° <b>¥</b> 27'05	0°53'06	greatest brilliancy	7820 Sep 03 03:55	10° <b>Ω</b> 59'38	-4.7m
	7818 Mar 17 08:29	$^{\circ \gamma}$			7820 Oct 02 06:27	0° M)	45040105
	7818 Apr 10 05:25	0°8		morning max el	7820 Oct 12 02:25	8° Mp 59'38	45°42'35
evening rise	7818 Apr 17 06:38	8° <b>8</b> 51'41		aga nodo	7820 Nov 01 19:08	0° <b>Ω</b> 10° <b>Ω</b> 55'22	
	7818 May 04 02:56	0°© 0°∏		asc. node	7820 Nov 19 23:00	19° <b>£</b> 55'22 0° <b>I</b> L	
asc. node	7818 May 28 03:23 7818 Jun 05 02:34	9° <b>9</b> 53'32			7820 Nov 28 20:03 7820 Dec 24 11:11	0°11に 0° <b>ス</b> 7	
asc. Houc	7818 Jun 21 09:10	9 <b>£</b> 33 32			7820 Dec 24 11:11 7821 Jan 18 08:07	0 ×. 0°ਤ	
	7818 Jul 15 22:50	0°Mp			7821 Feb 11 18:27	0°≈	
	7818 Aug 10 00:21	0∘ <b>ত</b> رااا			7821 Mar 07 22:16	0 <b>∞</b> 0° <b>∀</b>	
	7818 Sep 04 21:49	0° <b>m.</b>		desc. node	7821 Mar 11 15:46	4° <b>)</b> 39'14	
desc. node	7818 Sep 24 20:37	22°M00'21		acce. node	7821 Mar 31 21:53	0°Υ	
		100021				- 1	

morning set	7821 Apr 12 04:40 7821 Apr 24 19:11	14° <b>Y</b> 09'40 0° <b>엉</b>		inferior conj minimum elong	7823 Oct 13 11:05 7823 Oct 13 05:57	25° <b>£</b> 13'50 25° <b>£</b> 21'53	
	7821 May 18 16:13	0°II		min. Earth dist.	7823 Oct 13 06:26	25° <b>£</b> 21'07	0.29168 AU
	•			morning rise	7823 Oct 16 21:01	23° <b>ჲ</b> 06'49	
superior conj	7821 May 22 17:32	5° <b>Ⅱ</b> 05′16	-1°19'29	direct	7823 Nov 04 00:11	16° <b>≏</b> 56'13	
minimum elong	7821 May 23 02:32	5° <b>Ⅱ</b> 33'28	1°19'24	greatest brilliancy	7823 Nov 14 08:43	18° <b>≏</b> 53'02	-4.7m
max. Earth dist.	7821 May 25 12:15		1.71482 AU		7823 Dec 03 08:26	$0^{\circ}$ M	
	7821 Jun 11 15:00	0°€		asc. node	7823 Dec 18 10:47	12° <b>™</b> 59'07	
evening rise	7821 Jul 01 16:31	25° <b>©</b> 00'25		morning max el	7823 Dec 23 06:11	17°M35'26	45°57'02
asc. node	7821 Jul 02 14:28	26° <b>©</b> 08'36			7824 Jan 04 10:56	0° <b>∡</b>	
	7821 Jul 05 16:58 7821 Jul 29 22:59	0° <b>Ω</b>			7824 Jan 31 12:39 7824 Feb 26 00:02	0°る	
	7821 Jul 29 22.39 7821 Aug 23 09:56	0 <b>் ம</b> 0 <b>் மி</b>			7824 Mar 21 17:29	0 <b>≈</b> 0° <b>∀</b>	
	7821 Sep 17 03:42	0°M.		desc. node	7824 Apr 08 03:55	21° <b>X</b> 27'51	
	7821 Oct 12 07:30	0°× <b>7</b> 1		desc. node	7824 Apr 15 01:21	0°Υ	
desc. node	7821 Oct 22 08:07	11° <b>₹</b> ¹46'05			7824 May 09 04:09	0°8	
	7821 Nov 07 02:29	8°0			7824 Jun 02 05:01	$\Pi^{\circ}0$	
	7821 Dec 03 23:08	0° <b>≈</b>		morning set	7824 Jun 26 03:12	29° <b>Ⅱ</b> 50′10	
evening max el	7821 Dec 27 04:54	24° <b>≈</b> 05'49	46°20'02		7824 Jun 26 06:21	$0$ $\circ$ $\odot$	
	7822 Jan 02 09:06	0° <b>∀</b>			7824 Jul 20 09:31	$0$ $^{\circ}\Omega$	
greatest brilliancy	7822 Feb 05 04:10	23° <b>)</b> € 50'43	-4.8m	asc. node	7824 Jul 30 02:29	12° <b>Ω</b> 02'06	
asc. node	7822 Feb 12 08:18	25° <b>)</b> €31'04					
retrograde	7822 Feb 14 23:35	25° <b>)</b> (39′21		superior conj	7824 Aug 03 15:30	17° <b>Ω</b> 39'42	
evening set	7822 Mar 02 00:07	21° <b>米</b> 13'55 17° <b>米</b> 53'51	5927100	minimum elong	7824 Aug 03 13:02		0°10'47
inferior conj	7822 Mar 07 15:46 7822 Mar 07 05:08		5°37'08 5°34'26	behind sun begin behind sun end	7824 Aug 02 19:17	16° <b>Ω</b> 37'05 18° <b>Ω</b> 26'59	
minimum elong min. Earth dist.	7822 Mar 07 12:35	17° <b>)</b> 58'44	0.26972 AU	max. Earth dist.	7824 Aug 04 06:46 7824 Aug 06 01:39	18 <b>∂</b> (20 39 20° <b>Ω</b> 39'42	1.72772 AU
morning rise	7822 Mar 12 09:56	15° <b>H</b> 02'54	0.20972 AO	max. Earth tist.	7824 Aug 13 14:49	0° M)	1./2//2 AO
direct	7822 Mar 28 06:47	10° <b>)</b> €05'31			7824 Sep 06 22:11	0° <del>0</del> 0°	
greatest brilliancy	7822 Apr 07 05:53	11° <b>)</b> 57'53	-4.9m	evening rise	7824 Sep 09 19:53	3° <b>£</b> 34'41	
<i>y</i>	7822 May 04 04:37	0° <b>Υ</b>		<i>8</i> 11	7824 Oct 01 07:52	0°M	
morning max el	7822 May 17 18:27	12° <b>Y</b> 54'31	46°57'17		7824 Oct 25 20:47	0°⊀	
	7822 Jun 03 00:45	$9^{\circ}$ 8		desc. node	7824 Nov 18 19:49	29° <b>₰</b> 04'47	
desc. node	7822 Jun 04 02:02	1° <b>8</b> 08'54			7824 Nov 19 14:05	0°ಕ	
	7822 Jun 29 15:11	$\Pi^{\circ}0$			7824 Dec 14 12:43	0° <b>≈</b>	
	7822 Jul 25 04:38	0° <b>©</b>			7825 Jan 08 18:27	0° <b>)</b> €	
	7822 Aug 19 07:42	$\Omega^{\circ}\Omega$			7825 Feb 03 13:15	0° <b>Υ</b>	
	7822 Sep 13 05:02	0° Mp			7825 Mar 02 17:02	0° <b>と</b> 7° <b>と</b> 43'04	46950142
asc. node	7822 Sep 25 00:43 7822 Oct 07 21:41	14° <b>m</b> 19'55 0° <b>₽</b>		evening max el asc. node	7825 Mar 10 04:32 7825 Mar 11 19:43	9° <b>8</b> 21'20	40-3942
	7822 Nov 01 09:53	0° <b>m</b>		asc. node	7825 Apr 04 03:54	9°Π	
morning set	7822 Nov 15 08:27	17° <b>M</b> .09'01		greatest brilliancy	7825 Apr 19 19:10	8° <b>Ⅱ</b> 49'52	-4.9m
	7822 Nov 25 18:23	0° <b>∡</b> 7		retrograde	7825 Apr 29 18:03	10° <b>Ⅱ</b> 42'08	
max. Earth dist.	7822 Dec 20 01:53	0° <b>る</b> 04'53	1.72684 AU	evening set	7825 May 17 09:27	4° <b>Ⅱ</b> 41'37	
	7822 Dec 20 00:18	ರ°0		inferior conj	7825 May 20 11:03	2° <b>Ⅱ</b> 49'06	8°27'56
				minimum elong	7825 May 20 19:04	2° <b>Ⅱ</b> 36'45	8°26'50
superior conj	7822 Dec 22 07:47	2° <b>る</b> 51'57	0°52'39	min. Earth dist.	7825 May 20 10:23	2° <b>Ⅱ</b> 50′07	0.27245 AU
minimum elong	7822 Dec 22 17:24	3°₹21'46	0°52'23	morning rise	7825 May 24 04:49	0° <b>Ⅲ</b> 33'05	
	7823 Jan 13 04:24	0°≈			7825 May 25 03:44	30°R₩	
desc. node	7823 Jan 14 17:36	1°≈55'36		direct	7825 Jun 10 04:21	25° <b>8</b> 00'46	4.0
evening rise	7823 Jan 30 00:33 7823 Feb 06 06:52	20°≈57'09 0° <b>米</b>		greatest brilliancy	7825 Jun 19 18:35 7825 Jun 27 00:08	26° <b>႘</b> 44'48 0° <b>Ⅱ</b>	-4.8m
	7823 Mar 02 07:59	0°Υ		desc. node	7825 Jul	2° <b>∏</b> 43'06	
	7823 Mar 26 09:01	0°8		morning max el	7825 Jul 29 23:36	26° <b>I</b> I37'50	46°17'52
	7823 Apr 19 12:37	0°II		morning max or	7825 Aug 02 09:17	0°95	10 1, 32
asc. node	7823 May 07 16:47	22° <b>Ⅱ</b> 22'10			7825 Aug 30 15:12	$0^{\circ}\Omega$	
	7823 May 13 22:49	$0$ $\circ$ $\odot$			7825 Sep 26 01:59	0° <b>m</b>	
	7823 Jun 07 21:25	$0^{\circ}\Omega$			7825 Oct 21 16:17	0∘ <b>ত</b>	
	7823 Jul 03 18:54	0° <b>m</b>		asc. node	7825 Oct 22 12:53	1° <b>ഫ</b> 01'06	
	7823 Jul 31 19:30	0∘ <b>ʊ</b>			7825 Nov 15 17:09	0°M	
evening max el	7823 Aug 03 16:28	2° <b>£</b> 50'16	45°54'43		7825 Dec 10 08:19	0° <b>⊼</b>	
desc. node	7823 Aug 27 11:10	23° <b>Ω</b> 18'28			7826 Jan 03 16:46	0°る	
greatest brillians:	7823 Sep 11 05:56	0°M 1°M28'08	-4.7m	morning set	7826 Jan 24 09:14	25°る40'22 0°≈	
greatest brilliancy retrograde	7823 Sep 11 05:56 7823 Sep 21 22:07	3°M32'09	-4./111	desc. node	7826 Jan 27 20:40 7826 Feb 11 05:39	0°≈ 17°≈55'38	
renograde	7823 Oct 05 07:44	30°R <u>Ω</u>		dese. Houc	7826 Feb 11 03.39 7826 Feb 20 21:21	0° <b>\</b>	
evening set	7823 Oct 03 07:44 7823 Oct 09 14:56	27° <b>£</b> 36'17		max. Earth dist.	7826 Mar 02 16:59		1.71475 AU
						-= /(1/02	

	500 ( ) f 05 05 15	150)(22106	0050105		<b>5000</b> 4 <b>00</b> 00 0 <b>5</b>	<b>70 001107</b>	
superior conj	7826 Mar 05 07:17	15° <b>)</b> 33′06		direct	7828 Aug 22 00:07	7° <b>Ω</b> 01'37	
minimum elong	7826 Mar 04 20:24	14° <b>¥</b> 59′00	0°49'57	greatest brilliancy	7828 Aug 31 19:23	8° <b>Ω</b> 45'45	-4.8m
	7826 Mar 16 19:35	$0^{\circ}$ Y			7828 Oct 02 09:52	0° <b>m</b>	
	7826 Apr 09 16:33	$0^{\circ}S$		morning max el	7828 Oct 09 17:05	6° Mp 45′28	45°43'07
evening rise	7826 Apr 14 17:09	6° <b>8</b> 18'55			7828 Nov 01 12:02	0∘ <b>⊽</b>	
	7826 May 03 14:07	$\Pi$ $^{\circ}0$		asc. node	7828 Nov 19 00:58	19° <b>≙</b> 19'49	
	7826 May 27 14:43	$0$ $\circ$ $\odot$			7828 Nov 28 09:52	$0^{\circ}$ M	
asc. node	7826 Jun 04 04:37	9° <b>5</b> 24'34			7828 Dec 23 23:38	0° <b>∡</b> ¹	
	7826 Jun 20 20:46	$0^{\circ}\Omega$			7829 Jan 17 19:54	o°る	
	7826 Jul 15 10:53	0°m			7829 Feb 11 05:53	0° <b>≈</b>	
	7826 Aug 09 13:13	0∘ <u>⊽</u>			7829 Mar 07 09:31	0° <b>∀</b>	
	7826 Sep 04 12:22	0° <b>M</b> .		desc. node	7829 Mar 10 17:41	4° <b>)</b> € 10'07	
desc. node	7826 Sep 23 22:34	21°ML20'02		dese. Hode	7829 Mar 31 09:02	0°Υ	
dese. Hode	7826 Oct 02 05:33	0°×7		morning set	7829 Apr 09 14:58	11° <b>Υ</b> 36'19	
avanina may al	7826 Oct	11° <b>×</b> <sup>7</sup> 27'35	45941142	morning set	•	0° <b>8</b>	
evening max el			43 41 42		7829 Apr 24 06:17		
1	7826 Nov 04 12:39	0°る	4.0		7829 May 18 03:16	$\Pi$ °0	
greatest brilliancy	7826 Nov 22 00:25	9° <b>る</b> 32'54	-4.8m				
retrograde	7826 Dec 01 10:10	11° <b>ろ</b> 09'11		superior conj	7829 May 20 05:07	2° <b>∐</b> 36′24	
evening set	7826 Dec 17 14:50	6° <b>ප</b> 10'14		minimum elong	7829 May 20 13:27	3° <b>∏</b> 02'32	
inferior conj	7826 Dec 22 14:17	3° <b>る</b> 09'39		max. Earth dist.	7829 May 22 17:34		1.71450 AU
minimum elong	7826 Dec 23 00:06	2° <b>る</b> 54'20	5°20'34		7829 Jun 11 02:02	0	
min. Earth dist.	7826 Dec 23 11:19	2° <b>පි</b> 36'52	0.28183 AU	evening rise	7829 Jun 29 05:47	22° <b>©</b> 38'12	
	7826 Dec 27 19:13	30°₽ <b>⋌</b>		asc. node	7829 Jul 01 16:30	25° <b>©</b> 40'43	
morning rise	7826 Dec 28 08:46	29° <b>∡</b> ¹40'49			7829 Jul 05 04:00	$0 {\circ} \Omega$	
direct	7827 Jan 12 20:28	25° <b>₮</b> 00'20			7829 Jul 29 10:04	o°mp	
asc. node	7827 Jan 14 22:34	25° <b>₹</b> 05'29			7829 Aug 22 21:15	0∘ <u>⊽</u>	
greatest brilliancy	7827 Jan 23 23:42	27° <b>∡</b> 17'52	-4.8m		7829 Sep 16 15:28	0°M	
greatest orimaney	7827 Jan 29 16:44	0°궁	1.0111		7829 Oct 11 20:05	0° <b>⊼</b> 7	
morning max el	7827 Mar 04 02:41	27° <b>る</b> 30'37	46°41'54	desc. node	7829 Oct 21 10:06	11° <b>х</b> 13'52	
morning max cr	7827 Mar 04 02:41 7827 Mar 06 13:36	27 <b>⊙</b> 30 37	40 41 34	desc. Hode	7829 Nov 06 16:35	0°る	
		0 <b>≈</b> 0° <b>∺</b>				0°≈	
	7827 Apr 03 02:25				7829 Dec 03 16:23		46010100
	7827 Apr 28 18:15	0° <b>Υ</b>		evening max el	7829 Dec 24 19:03	21°≈46'38	46°18'28
desc. node	7827 May 06 16:06	9° <b>Y</b> 28'12			7830 Jan 02 12:04	0° <b>∀</b>	
	7827 May 23 15:25	0°8		greatest brilliancy	7830 Feb 02 16:32	21° <b>∺</b> 25'36	-4.8m
	7827 Jun 17 04:12	$\Pi$ $^{\circ}0$		asc. node	7830 Feb 11 10:10	23° <b>) (</b> 13′27	
	7827 Jul 11 13:56	$0$ $\circ$		retrograde	7830 Feb 12 13:04	23° <b>) (</b> 14′57	
	7827 Aug 04 23:14	$0^{\circ}\Omega$		evening set	7830 Feb 27 10:25	18° <b>¥</b> 52'52	
asc. node	7827 Aug 27 14:30	27° <b>Ω</b> 50′25		inferior conj	7830 Mar 05 04:47	15° <b>)</b> €29'07	5°17'41
	7827 Aug 29 08:38	0° <b>m</b> )		minimum elong	7830 Mar 04 18:28	15° <b>)</b> 44′55	5°14'59
morning set	7827 Sep 05 13:45	8° m 52'34		min. Earth dist.	7830 Mar 05 01:55	15° <b>¥</b> 33'31	0.26983 AU
Ü	7827 Sep 22 17:37	0∘ <del>⊽</del>		morning rise	7830 Mar 10 02:21	12° <b>)</b> 33'42	
				direct	7830 Mar 25 20:30	7° <b>)</b> 40′24	
superior conj	7827 Oct 12 10:24	24° <b>£</b> 16'25	1°22'29	greatest brilliancy	7830 Apr 04 19:53	9° <b>X</b> 33'35	-4.9m
minimum elong	7827 Oct 12 10:24 7827 Oct 12 05:22	24° <b>⊆</b> 00'54		greatest offinancy	7830 May 04 10:09	0° <b>Υ</b>	4.7111
max. Earth dist.	7827 Oct 12 03:22 7827 Oct 12 01:53		1.73330 AU	marning may al	•	10° <b>Υ</b> 33'22	46°57'44
max. Earm dist.			1./3330 AU	morning max el	7830 May 15 09:07		40 37 44
	7827 Oct 17 01:54	0° <b>M</b> ₊			7830 Jun 02 18:51	0° <b>8</b>	
	7827 Nov 10 09:56	0° <b>∡</b> ¹		desc. node	7830 Jun 03 04:09	0° <b>8</b> 25'32	
evening rise	7827 Nov 17 22:43	9° <b>∡</b> 16'52			7830 Jun 29 05:53	0°Щ	
	7827 Dec 04 18:25	0°ප			7830 Jul 24 17:43	0₀ <b>©</b>	
desc. node	7827 Dec 17 07:42	15° <b>♂</b> 26'52			7830 Aug 18 19:48	$0 {\circ} \Omega$	
	7827 Dec 29 03:37	0° <b>≈</b>			7830 Sep 12 16:30	0° <b>m</b> y	
	7828 Jan 22 13:24	0° <b>)</b> €		asc. node	7830 Sep 24 02:40	13° <b>m</b> 51'38	
	7828 Feb 16 00:20	$0$ ° $\Upsilon$			7830 Oct 07 08:44	0∘ <b>ত</b>	
	7828 Mar 11 15:20	$6^{\circ}B$			7830 Oct 31 20:43	0°M	
	7828 Apr 05 17:26	$\Pi^{\circ}0$		morning set	7830 Nov 13 01:42	15°M01'06	
asc. node	7828 Apr 08 07:06	3° <b>耳</b> 01′07		Č	7830 Nov 25 05:09	0° <b>∡</b> ¹	
	7828 May 01 21:42	0ංම		max. Earth dist.	7830 Dec 17 20:14	27° <b>₹</b> '59'38	1.72718 AU
evening max el	7828 May 21 11:08	20°543'38	46°42'48		7830 Dec 19 11:05	0°ප	
John Sing of	7828 May 31 01:31	20 <b>3</b> 43 38	10 12 70		,050 200 17 11.05	Ų O	
greatest brilliancy	7828 Jun 29 19:15	0 <b>δ</b> ι 20° <b>Ω</b> 56'11	-4.8m	superior conj	7830 Dec 19 23:36	0° <b>る</b> 38'47	0°55'20
			- <del></del> .0111				
retrograde	7828 Jul 10 16:05	23° <b>Ω</b> 08'02		minimum elong	7830 Dec 20 09:20	1° <b>る</b> 08'59	0°55'05
evening set	7828 Jul 25 13:45	18° <b>Ω</b> 47'29			7831 Jan 12 15:14	0°≈	
desc. node	7828 Jul 29 01:31	16° <b>Ω</b> 46'08		desc. node	7831 Jan 13 19:36	1°≈28'07	
inferior conj	7828 Jul 31 21:39	15° <b>Ω</b> 00'56		evening rise	7831 Jan 27 14:34	18° <b>≈</b> 37'22	
minimum elong	7828 Jul 31 20:03	15° <b>Ω</b> 03′26			7831 Feb 05 17:50	0° <b>∀</b>	
min. Earth dist.	7828 Jul 31 09:49	15° <b>Ω</b> 19'21	0.28040 AU		7831 Mar 01 19:07	$0$ ° $\Upsilon$	
morning rise	7828 Aug 07 02:53	11° <b>Ω</b> 18'50			7831 Mar 25 20:23	$9^{\circ}$ 8	

	7021 4 10 00.20	0° <b>I</b> I			7022 A 02 06-21	0° <b>©</b>	
1-	7831 Apr 19 00:20	0 П 21°П51'33			7833 Aug 02 06:21	0°Ω	
asc. node	7831 May 06 18:52	21° <b>щ</b> 31'33			7833 Aug 30 06:34	0° <b>m</b> )	
	7831 May 13 11:05 7831 Jun 07 10:42	0°Ω 0 €3			7833 Sep 25 15:05 7833 Oct 21 04:14	0∘ <del>ت</del> رااا	
	7831 Jul 07 10:42 7831 Jul 03 10:17	0°Mp		aga mada	7833 Oct 21 04:14 7833 Oct 21 14:54	0° <b></b> 31'42	
	7831 Jul 31 16:42	0∘ <b>⊽</b>		asc. node	7833 Nov 15 04:26	0 == 31 42 0°M	
avanina may al		0° <b>£</b> 40'07	45056100			0 IIC 0° <b>√</b> 7	
evening max el desc. node	7831 Aug 01 09:04	0 <u>≈</u> 4007 22° <u>≈</u> 06'56	43 30 02		7833 Dec 09 19:14 7834 Jan 03 03:29	0 ×. 0°ਤ	
greatest brilliancy	7831 Aug 26 13:06 7831 Sep 08 20:54	22 <b>⊆</b> 00 30 29° <b>⊆</b> 17'32	-4.7m	morning set	7834 Jan 21 23:12	0 る 23° <b>る</b> 21'17	
greatest offinality	7831 Sep 10 23:01	0°M	-4. /111	morning set	7834 Jan 27 07:21	23 <b>6</b> 2117 0° <b>≈</b>	
retrograde	•	1°ML22'42		4 4-	7834 Feb 10 07:29	0°≈ 17°≈28'00	
retrograde	7831 Sep 19 14:48	1 11622 42 30°R <b>Ω</b>		desc. node		17 <b>≈</b> 2800	
	7831 Sep 27 21:57	30° <b>₹</b> <del>2</del> 2 25° <b>£</b> 31'00		Danth 4:-4	7834 Feb 20 08:02	9° <b>∺</b> 35'03	1.71512 AU
evening set	7831 Oct 07 04:33		0012125	max. Earth dist.	7834 Feb 27 23:43	9 A 33 03	1./1312 AU
inferior conj	7831 Oct 11 03:23	23° <b>Ω</b> 04'19			7024 Mar. 02 10.55	1201/05/24	0947112
minimum elong	7831 Oct 10 21:36	23° <b>£</b> 13'24		superior conj	7834 Mar 02 18:55	13° <b>¥</b> 05'34	
min. Earth dist.	7831 Oct 10 21:12	23° <b>△</b> 14'01	0.29156 AU	minimum elong	7834 Mar 02 08:29	12° <b>)</b> 32′54 0° <b>°</b>	0 40 43
morning rise	7831 Oct 14 14:46	20° <b>£</b> 55'08			7834 Mar 16 06:20		
direct	7831 Nov 01 16:59	14° <b>£</b> 47'18	4.7		7834 Apr 09 03:20	0°8	
greatest brilliancy	7831 Nov 11 23:06	16° <b>£</b> 42'10	-4.7m	evening rise	7834 Apr 12 03:53	3° <b>8</b> 47'51	
,	7831 Dec 03 18:45	0°M			7834 May 03 00:59	0° <b>I</b>	
asc. node	7831 Dec 17 12:53	12°M08'34	45055140		7834 May 27 01:43	0.22 0.22	
morning max el	7831 Dec 20 21:52	15°M23'30	45°55'40	asc. node	7834 Jun 03 06:37	8°\$56'35	
	7832 Jan 04 04:53	0° <b>∡</b>			7834 Jun 20 08:00	0° <b>N</b>	
	7832 Jan 31 02:56	ිර ව			7834 Jul 14 22:33	0° my	
	7832 Feb 25 12:47	0° <b>≈</b>			7834 Aug 09 01:44	0∘ <b>亚</b>	
	7832 Mar 21 05:26	0° <b>)</b> (50102		1 1	7834 Sep 04 02:40	0°M,	
desc. node	7832 Apr 07 05:54	20° <b>)</b> 58′02		desc. node	7834 Sep 23 00:33	20°M40'22	
	7832 Apr 14 12:51	0° <b>႘</b>			7834 Oct 02 00:24	0° 🔏 1.1152	45941110
	7832 May 08 15:20	0° <b>I</b>		evening max el	7834 Oct 11 08:11	9° <b>メ</b> 11'53 0°る	45*41*10
morning sat	7832 Jun 01 15:59 7832 Jun 23 17:22	0 <b>Ⅱ</b> 27° <b>Ⅱ</b> 31'11		greatest brilliancy	7834 Nov 05 08:01 7834 Nov 19 15:14	0 る 7° <b>る</b> 19'52	-4.7m
morning set	7832 Jun 25 17:22 7832 Jun 25 17:09	0°95		retrograde	7834 Nov 29 00:28	8° <b>る</b> 56'05	-4.7111
	7832 Jul 19 20:12	0°Ω		evening set	7834 Dec 15 08:36	3°る52'23	
asc. node	7832 Jul 29 04:23	11° <b>Ω</b> 34'56		inferior conj	7834 Dec 20 05:25	0°る55'42	-5°39'14
use. Houe	7032 Jul 27 04.23	11 065450		minimum elong	7834 Dec 20 15:24	0°る40'08	
superior conj	7832 Aug 01 07:02	15° <b>Ω</b> 26'06	0°07'33	min. Earth dist.	7834 Dec 21 02:49	0° <b>る</b> 22'21	0.28243 AU
minimum elong	7832 Aug 01 05:19	15° <b>Ω</b> 20'50	0°07'22		7834 Dec 21 17:12	30°R. <b>✓</b>	
behind sun begin	7832 Jul 31 07:59	14° <b>Ω</b> 14'43		morning rise	7834 Dec 25 21:35	27° <b>₹</b> 29'59	
behind sun end	7832 Aug 02 02:40	16° <b>Ω</b> 26'56		direct	7835 Jan 10 11:27	22° <b>×</b> <sup>7</sup> 45'26	
max. Earth dist.	7832 Aug 03 21:39		1.72734 AU	asc. node	7835 Jan 14 00:26	23° <b>∡</b> ¹00'05	
	7832 Aug 13 01:28	O° Mp		greatest brilliancy	7835 Jan 21 16:12	25° <b>∡</b> ¹03'57	-4.8m
	7832 Sep 06 08:51	0∘ <b>⊽</b>		,	7835 Jan 31 03:46	ರ°0	
evening rise	7832 Sep 07 13:19	1° <b>≏</b> 27'42		morning max el	7835 Mar 01 16:58	25° <b>る</b> 11'09	46°40'29
-	7832 Sep 30 18:38	0°M,			7835 Mar 06 10:07	0° <b>≈</b>	
	7832 Oct 25 07:49	0° <b>∡</b> ¹			7835 Apr 02 17:45	0° <b>∀</b>	
desc. node	7832 Nov 17 21:54	28° <b>₹</b> 36'30			7835 Apr 28 07:34	$0^{\circ}\mathbf{\Upsilon}$	
	7832 Nov 19 01:34	ರ°ರ		desc. node	7835 May 05 18:07	8° <b>Y</b> 55'25	
	7832 Dec 14 00:55	0° <b>≈</b>			7835 May 23 03:40	0°8	
	7833 Jan 08 07:49	0° <b>∀</b>			7835 Jun 16 15:47	$\Pi^{\circ}0$	
	7833 Feb 03 04:45	$0$ ° $\Upsilon$			7835 Jul 11 01:04	$0$ $\circ$ $\odot$	
	7833 Mar 02 13:29	$8^{\circ}$ 0			7835 Aug 04 10:03	$0^{\circ}\Omega$	
evening max el	7833 Mar 07 18:31	5° <b>8</b> 20'25	46°59'05	asc. node	7835 Aug 26 16:27	27° <b>Ω</b> 23'51	
asc. node	7833 Mar 10 21:41	8° <b>8</b> 27'54			7835 Aug 28 19:12	0° <b>m</b> ∕	
	7833 Apr 05 03:30	$\Pi$ $^{\circ}0$		morning set	7835 Sep 03 06:37	6° Mp 44′26	
greatest brilliancy	7833 Apr 17 09:24	6° <b>Ⅱ</b> 26'48	-4.9m		7835 Sep 22 04:02	0∘ <b>⊽</b>	
retrograde	7833 Apr 27 07:17	8° <b>Ⅱ</b> 18′02					
evening set	7833 May 15 01:44	2° <b>Ⅱ</b> 13'50		superior conj	7835 Oct 10 04:21	22° <b>≏</b> 11'48	
inferior conj	7833 May 18 00:20	0° <b>Ⅱ</b> 25'40	8°36'46	minimum elong	7835 Oct 09 22:44	21° <b>≏</b> 54'31	1°21'30
minimum elong	7833 May 18 07:38	0° <b>Ⅱ</b> 14'23	8°35'52	max. Earth dist.	7835 Oct 09 20:34	21° <b>Ω</b> 47'50	1.73335 AU
min. Earth dist.	7833 May 17 23:26	0° <b>Ⅱ</b> 27'03	0.27227 AU		7835 Oct 16 12:18	0° <b>™</b>	
	7833 May 18 16:57	30° <b>₹8</b>			7835 Nov 09 20:26	0°⊀	
morning rise	7833 May 21 13:39	28° <b>8</b> 15'58		evening rise	7835 Nov 15 15:44	7° <b>₹</b> '09'02	
direct	7833 Jun 07 17:26	22° <b>8</b> 37'47	4.0	1 1	7835 Dec 04 05:06	0°る	
greatest brilliancy	7833 Jun 17 07:08	24° <b>8</b> 21'06	-4.9m	desc. node	7835 Dec 16 09:37	14° <b>る</b> 59'37	
4 1	7833 Jun 28 14:10	0° <b>П</b>			7835 Dec 28 14:34	0° <b>≈</b>	
desc. node morning max el	7833 Jun 30 15:47	1° <b>Ⅱ</b> 21′03	46010125		7836 Jan 22 00:43	0° <b>∀</b> 0° <b>Υ</b>	
morning max et	7833 Jul 27 12:32	24° <b>Ⅱ</b> 16′09	40 19723		7836 Feb 15 12:10	UI	

	7836 Mar 11 03:59	0° <b>႘</b>			7838 Oct 31 07:20	0° <b>M</b> .	
	7836 Apr 05 07:30	0°II		morning set	7838 Nov 10 19:05	12°M54'22	
asc. node	7836 Apr 07 09:11	2° <b>Ⅱ</b> 25′29		Č	7838 Nov 24 15:40	0° <b>∡</b> ¹	
	7836 May 01 14:49	0°ಅ		max. Earth dist.	7838 Dec 15 13:49	25° <b>₹</b> 52'51	1.72753 AU
evening max el	7836 May 19 01:04	18° <b>©</b> 23'23	46°44'18				
	7836 May 31 04:49	$0^{\circ}\Omega$		superior conj	7838 Dec 17 15:34	28° <b>≯</b> 26'55	0°57'54
greatest brilliancy	7836 Jun 27 11:04	18° <b>Ω</b> 40'43	-4.8m	minimum elong	7838 Dec 18 01:24	28° <b>₹</b> 57′20	0°57'40
retrograde	7836 Jul 08 07:33	20° <b>Ω</b> 52'39			7838 Dec 18 21:37	0°₹	
evening set	7836 Jul 23 05:12	16° <b>Ω</b> 31'19			7839 Jan 12 01:53	0° <b>≈</b>	
desc. node	7836 Jul 28 03:25	13° <b>Ω</b> 37'19		desc. node	7839 Jan 12 21:30	1° <b>≈</b> 00'55	
min. Earth dist.	7836 Jul 29 01:20		0.27997 AU	evening rise	7839 Jan 25 04:32	16° <b>≈</b> 17'58	
inferior conj	7836 Jul 29 12:31	12° <b>Ω</b> 46′01			7839 Feb 05 04:39	0° <b>∀</b>	
minimum elong	7836 Jul 29 11:44	12° <b>Ω</b> 47'14	0°20'25		7839 Mar 01 06:10	$0^{\circ}\mathbf{\Upsilon}$	
morning rise	7836 Aug 04 18:48	9° <b>Ω</b> 02'53			7839 Mar 25 07:41	0°B	
direct	7836 Aug 19 14:12	4° <b>Ω</b> 47'05	4.0		7839 Apr 18 11:59	0°II	
greatest brilliancy	7836 Aug 29 10:16	6° <b>£</b> 32'07	-4.8m	asc. node	7839 May 05 20:50	21° <b>II</b> 20'50	
	7836 Oct 02 11:13	0° m/y	45042145		7839 May 12 23:19	0°©	
morning max el	7836 Oct 07 08:25	4° m/34'09	45°43'45		7839 Jun 06 23:58	0° <b>N</b>	
	7836 Nov 01 04:10	0° <b>ჲ</b> 18° <b>ჲ</b> 45'55		i	7839 Jul 03 01:46 7839 Jul 30 01:13	0°M)	45957110
asc. node	7836 Nov 18 03:02 7836 Nov 27 23:09	0°M		evening max el	7839 Jul 30 01:13	28° <b>™</b> 28'59 0° <b>≏</b>	45°57'19
	7836 Dec 23 11:41	0° <b>⊼</b> 7		desc. node	7839 Aug 25 15:10	0 <b>≗</b> 20° <b>£</b> 53'38	
	7837 Jan 17 07:20	0°ろ		greatest brilliancy	7839 Sep 06 12:30	20 <b>=</b> 33 38 27° <b>£</b> 07'41	-4.7m
	7837 Feb 10 17:00	0°≈		retrograde	7839 Sep 17 06:56	29° <b>£</b> 13'09	<b>-4</b> . / III
	7837 Mar 06 20:26	0° <b>∺</b>		evening set	7839 Oct 04 17:58	23° <b>⊆</b> 26'01	
desc. node	7837 Mar 09 19:43	3° <b>)</b> 42′25		inferior conj	7839 Oct 08 19:36	20° <b>£</b> 54'52	-8°07'15
dese. Hode	7837 Mar 30 19:49	0° <b>Υ</b>		minimum elong	7839 Oct 08 13:13	21° <b>⊆</b> 04'55	
morning set	7837 Apr 07 01:13	9° <b>Υ</b> 03'59		min. Earth dist.	7839 Oct 08 12:15		0.29140 AU
	7837 Apr 23 16:59	0°8		morning rise	7839 Oct 12 08:36	18° <b>≏</b> 43'06	
	1			direct	7839 Oct 30 09:28	12° <b>≏</b> 38'31	
superior conj	7837 May 17 16:35	0° <b>Ⅱ</b> 08'13	-1°22'28	greatest brilliancy	7839 Nov 09 13:33	14° <b>£</b> 31′26	-4.7m
minimum elong	7837 May 18 00:10	0° <b>Ⅱ</b> 32'03	1°22'27		7839 Dec 04 02:09	0°M	
	7837 May 17 13:58	$\Pi^{\circ}0$		asc. node	7839 Dec 16 14:43	11°M18'34	
max. Earth dist.	7837 May 20 01:29	3° <b>Ⅱ</b> 06'49	1.71422 AU	morning max el	7839 Dec 18 12:34	13°M09'29	45°54'27
	7837 Jun 10 12:43	0ංම			7840 Jan 03 22:18	0° <b>∡</b> ¹	
evening rise	7837 Jun 26 18:59	20°916'48			7840 Jan 30 16:57	ರ°0	
asc. node	7837 Jun 30 18:24	25° <b>©</b> 13'22			7840 Feb 25 01:23	0° <b>≈</b>	
	7837 Jul 04 14:42	$0^{\circ}\Omega$			7840 Mar 20 17:20	0° <b>∀</b>	
	7837 Jul 28 20:52	0° <b>m</b> ∕		desc. node	7840 Apr 06 07:56	20° <b>∺</b> 28′23	
	7837 Aug 22 08:16	0∘ <b>⊽</b>			7840 Apr 14 00:21	0° <b>Υ</b>	
	7837 Sep 16 02:56	0° <b>M</b> ₊			7840 May 08 02:34	0°8	
	7837 Oct 11 08:23	0° <b>∡</b>			7840 Jun 01 03:00	0°II	
desc. node	7837 Oct 20 12:12	10° <b>∡</b> 742'53		morning set	7840 Jun 21 07:04	25° <b>Ⅱ</b> 10'32	
	7837 Nov 06 06:27	0°る 0°≈			7840 Jun 25 03:59 7840 Jul 19 06:54	$0 {\circ} {\mathfrak C}$	
	7837 Dec 03 09:40 7837 Dec 22 09:52		46916142	1-			
evening max el	7838 Jan 02 16:28	19° <b>≈</b> 29'52 0° <b>米</b>	46°16'42	asc. node	7840 Jul 28 06:19	11° <b>Ω</b> 07'51	
greatest brilliancy	7838 Jan 02 16:28 7838 Jan 31 04:51	19° <b>₩</b> 00'50	-4.8m	superior conj	7840 Jul 29 22:12	13° <b>Ω</b> 11'24	0°04'03
retrograde	7838 Feb 10 02:21	20°\(\frac{19}{50}\)'26	-4.0111	minimum elong	7840 Jul 29 21:18	13° <b>Ω</b> 08'36	0°03'55
asc. node	7838 Feb 10 02:21	20°\(\frac{1}{50'14}\)		behind sun begin	7840 Jul 28 22:03	11° <b>Ω</b> 56'34	0 03 33
evening set	7838 Feb 24 20:50	16° <b>)</b> 31'46		behind sun end	7840 Jul 30 20:33	14° <b>Ω</b> 20'38	
inferior conj	7838 Mar 02 17:37	13° <b>)</b> €04'25	4°57'33	max. Earth dist.	7840 Aug 01 16:44	_	1.72692 AU
minimum elong	7838 Mar 02 07:42	13° <b>)</b> 19'37			7840 Aug 12 12:07	0° m)	
min. Earth dist.	7838 Mar 02 15:06	13° <b>)</b> €08'17		evening rise	7840 Sep 05 06:32	29° <b>m</b> ) 19'56	
morning rise	7838 Mar 07 18:28	10° <b>)</b> €04'30		S	7840 Sep 05 19:33	$0$ o $\overline{\mathbf{v}}$	
direct	7838 Mar 23 10:16	5° <b>∺</b> 15'35			7840 Sep 30 05:29	0°M	
greatest brilliancy	7838 Apr 02 09:22	7° <b>)</b> €08'52	-4.9m		7840 Oct 24 18:55	0°⊀	
•	7838 May 04 13:36	$0^{\circ}\mathbf{\Upsilon}$		desc. node	7840 Nov 16 23:49	28° <b>₰</b> 07'30	
morning max el	7838 May 12 23:21	8° <b>Ƴ</b> 11'49	46°58'09		7840 Nov 18 13:08	0°ರ	
desc. node	7838 Jun 02 06:07	29° <b>Y</b> 43'03			7840 Dec 13 13:13	0° <b>≈</b>	
	7838 Jun 02 12:15	$9^{\circ}$ 8			7841 Jan 07 21:20	0° <b>)</b> €	
	7838 Jun 28 20:08	$\Pi^{\circ}0$			7841 Feb 02 20:30	$0^{\circ}$ Y	
	7838 Jul 24 06:26	0ංම			7841 Mar 02 10:44	0°8	
	7838 Aug 18 07:36	$0$ $^{\circ}$ $\Omega$		evening max el	7841 Mar 05 07:17	2° <b>8</b> 54'22	46°58'13
_	7838 Sep 12 03:42	0° <b>m</b> )		asc. node	7841 Mar 09 23:43	7° <b>8</b> 33'10	
asc. node	7838 Sep 23 04:43	13° <b>m</b> 24'19		,	7841 Apr 06 13:01	0°II	4.0
	7838 Oct 06 19:34	0∘ <b>ಹ</b>		greatest brilliancy	7841 Apr 14 23:45	4° <b>Ⅱ</b> 02'46	-4.9m

retrograde	7841 Apr 24 19:56	5° <b>Ⅱ</b> 52'41		superior conj	7843 Oct 07 21:59	20° <b>£</b> 05'10	1°20'27
renograde	7841 May 12 07:32	30°R <b>B</b>		minimum elong	7843 Oct 07 21:39 7843 Oct 07 15:49	20 <b>=</b> 05 10 19° <b>£</b> 46′08	1°20'23
ovening set	7841 May 12 07.32 7841 May 12 17:35	29° <b>8</b> 44'55		Č		19 <b>2</b> 46 08 19° <b>2</b> 48'45	
evening set	•		0044144	max. Earth dist.	7843 Oct 07 16:40		1.73336 AU
inferior conj	7841 May 15 13:24	28° <b>8</b> 00'55	8°44'44		7843 Oct 15 23:02	0°M ○	
minimum elong	7841 May 15 19:56	27° <b>8</b> 50'49	8°43'59		7843 Nov 09 07:15	0° <b>⋌</b> ¹	
min. Earth dist.	7841 May 15 12:34	28° <b>8</b> 02'12	0.27213 AU	evening rise	7843 Nov 13 08:39	4° <b>⋌</b> ¹59'57	
morning rise	7841 May 18 22:22	25° <b>8</b> 57'27			7843 Dec 03 16:07	0°る	
direct	7841 Jun 05 05:50	20° <b>8</b> 13'11	4.0	desc. node	7843 Dec 15 11:32	14° <b>පි</b> 31'16	
greatest brilliancy	7841 Jun 14 20:05	21° <b>8</b> 56'34	-4.9m		7843 Dec 28 01:54	0° <b>≈</b>	
desc. node	7841 Jun 29 17:42	0° <b>∏</b> 00′26			7844 Jan 21 12:26	0° <b>∀</b>	
	7841 Jun 29 17:27	$0^{\circ}\Pi$			7844 Feb 15 00:24	0° <b>Υ</b>	
morning max el	7841 Jul 25 00:57	21° <b>∏</b> 52'04	46°21'08		7844 Mar 10 17:03	0°B	
	7841 Aug 02 03:00	0₀ <b>©</b>			7844 Apr 04 22:01	$\Pi$ °0	
	7841 Aug 29 21:56	$0 {\circ} \Omega$		asc. node	7844 Apr 06 11:10	1° <b>Ⅱ</b> 48'31	
	7841 Sep 25 04:17	0° <b>m</b> p			7844 May 01 08:34	$0$ $\circ$ $\odot$	
asc. node	7841 Oct 20 16:51	0° <b>ჲ</b> 01'39		evening max el	7844 May 16 15:50	16° <b>©</b> 04'36	46°45'47
	7841 Oct 20 16:17	0∘ <b>⊽</b>			7844 May 31 10:13	$0$ $^{\circ}$ $\Omega$	
	7841 Nov 14 15:52	0°M₊		greatest brilliancy	7844 Jun 25 02:28	16° <b>Ω</b> 24'02	-4.8m
	7841 Dec 09 06:19	0° <b>∡</b> ¹		retrograde	7844 Jul 05 23:25	18° <b>Ω</b> 36′20	
	7842 Jan 02 14:24	8°0		evening set	7844 Jul 20 20:53	14° <b>Ω</b> 14′02	
morning set	7842 Jan 19 13:30	21° <b>る</b> 02'42		min. Earth dist.	7844 Jul 26 16:35	10° <b>Ω</b> 46'45	0.27957 AU
	7842 Jan 26 18:12	0° <b>≈</b>		inferior conj	7844 Jul 27 03:23	10° <b>Ω</b> 30′01	0°01'19
desc. node	7842 Feb 09 09:34	17° <b>≈</b> 00'39		minimum elong	7844 Jul 27 03:26	10° <b>Ω</b> 29'57	0°01'11
	7842 Feb 19 18:54	0° <b>∀</b>		transit middle	7844 Jul 27 03:26	10° <b>Ω</b> 29'57	0°01'11
max. Earth dist.	7842 Feb 25 10:04	7° <b>¥</b> 03'08	1.71548 AU	transit begin	7844 Jul 26 23:23	10° <b>Ω</b> 36'14	
				transit end	7844 Jul 27 07:29	10° <b>Ω</b> 23'40	
superior conj	7842 Feb 28 06:53	10° <b>)</b> 38'39	-0°43'54	desc. node	7844 Jul 27 05:30	10° <b>Ω</b> 26'45	
minimum elong	7842 Feb 27 20:57	10° <b>)</b> €07'34		morning rise	7844 Aug 02 10:35	6° <b>Ω</b> 46'10	
minimum ciong	7842 Mar 15 17:14	0°Υ	0 13 23	direct	7844 Aug 17 04:50	2° <b>Ω</b> 31'31	
	7842 Apr 08 14:18	0°8		greatest brilliancy	7844 Aug 27 00:42	4°Ω16'53	-4 8m
evening rise	7842 Apr 09 14:54	1° <b>8</b> 17'14		greatest orimancy	7844 Oct 02 11:47	0°m	- <del>1</del> .0111
evening rise	7842 May 02 12:04	1°П		morning max el	7844 Oct 05 00:26	2° m) 23'18	45°44'17
	7842 May 26 12:58	0° <b>©</b>		morning max er	7844 Oct 31 20:26	0° <b>ت</b> 10°25 الأ	43 44 17
aga mada	7842 Jun 02 08:30	० <del>७</del> 8° <b>9</b> 27'21		aga mada		0 <b>=</b> 18° <b>£</b> 10'37	
asc. node				asc. node	7844 Nov 17 04:55		
	7842 Jun 19 19:32	0° <b>N</b>			7844 Nov 27 12:43	0°M 0°. <b>₹</b>	
	7842 Jul 14 10:34	0° <b>m</b>			7844 Dec 23 00:02	0° <b>∡</b> ¹	
	7842 Aug 08 14:39	0∘ <b>⊽</b>			7845 Jan 16 19:05	%ರ	
	7842 Sep 03 17:29	0°M			7845 Feb 10 04:25	0° <b>≈</b>	
desc. node	7842 Sep 22 02:37	19°M.59'31			7845 Mar 06 07:40	0° <b>\</b>	
	7842 Oct 01 20:10	0° <b>∡</b>		desc. node	7845 Mar 08 21:41	3° <b>)</b> 13'32	
evening max el	7842 Oct 08 21:54	6° <b>∡</b> 55'48	45°40'51		7845 Mar 30 06:56	0° <b>Υ</b>	
	7842 Nov 06 11:13	0°る		morning set	7845 Apr 04 11:38	6° <b>Ƴ</b> 31'11	
greatest brilliancy	7842 Nov 17 05:27	5° <b>る</b> 05'23	-4.7m		7845 Apr 23 04:02	$0^{\circ}$ 8	
retrograde	7842 Nov 26 15:09	6° <b>る</b> 42'11					
evening set	7842 Dec 13 02:22	1° <b>る</b> 33'27		superior conj	7845 May 15 04:14	27° <b>8</b> 39'37	
	7842 Dec 15 17:16	30°Ŗ <b>⋌</b> 7		minimum elong	7845 May 15 11:00	28° <b>8</b> 00'52	1°23'43
inferior conj	7842 Dec 17 20:30	28° <b>∡</b> ¹40'45	-5°54'55		7845 May 17 00:57	$\Pi$ $\circ 0$	
minimum elong	7842 Dec 18 06:36	28° <b>∡</b> ¹25′02	5°52'32	max. Earth dist.	7845 May 17 11:46	0° <b>Ⅱ</b> 33'57	1.71389 AU
min. Earth dist.	7842 Dec 18 18:01	28° <b>∡</b> 07'15	0.28305 AU		7845 Jun 09 23:40	0	
morning rise	7842 Dec 23 10:13	25° <b>∡</b> 18'35		evening rise	7845 Jun 24 08:24	17° <b>©</b> 55'07	
direct	7843 Jan 08 02:42	20° <b>∡</b> °29′26		asc. node	7845 Jun 29 20:24	24°9345'36	
asc. node	7843 Jan 13 02:29	20° <b>≯</b> 58′20			7845 Jul 04 01:40	$0^{\circ}\Omega$	
greatest brilliancy	7843 Jan 19 08:27	22° <b>∡</b> ¹48'56	-4.8m		7845 Jul 28 07:56	0° <b>m</b> )	
	7843 Feb 01 05:02	8°0			7845 Aug 21 19:37	0∘ <b>ত</b>	
morning max el	7843 Feb 27 08:16	22° <b>る</b> 53'32	46°39'15		7845 Sep 15 14:46	0° <b>M</b> .	
	7843 Mar 06 06:18	0° <b>≈</b>			7845 Oct 10 21:07	0° <b>∡</b> ¹	
	7843 Apr 02 09:07	0° <b>∀</b>		desc. node	7845 Oct 19 14:04	10° <b>∡</b> 10′00	
	7843 Apr 27 21:00	0° <b>Υ</b>			7845 Nov 05 20:52	გ∘0	
desc. node	7843 May 04 20:04	8° <b>Y</b> 21'51			7845 Dec 03 03:45	0° <b>≈</b>	
	7843 May 22 16:05	0°8		evening max el	7845 Dec 20 00:48	17°≈12'32	46°14'58
	7843 Jun 16 03:36	0°II		5	7846 Jan 02 23:23	0° <b>∀</b>	
	7843 Jul 10 12:29	0₀ ⊙		greatest brilliancy	7846 Jan 28 17:46	16° <b>¥</b> 36'06	-4.8m
	7843 Aug 03 21:11	$0^{\circ}\Omega$		retrograde	7846 Feb 07 15:20	18° <b>¥</b> 25'05	
asc. node	7843 Aug 25 18:32	26° <b>Ω</b> 56'40		asc. node	7846 Feb 09 14:14	18° <b>¥</b> 20′28	
	7843 Aug 28 06:06	0° m)		evening set	7846 Feb 22 07:37	14° <b>)</b> (09'46	
morning set	7843 Aug 31 23:13	الابات 4° الإباد 4° الإباد 4° الإباد 4° الإباد 4°		inferior conj	7846 Feb 28 06:32	10° <b>X</b> 39'06	4°36'53
morning set	7843 Sep 21 14:48	0° <b>ت</b>		minimum elong	7846 Feb 27 21:06	10° <b>X</b> 53'35	
	, 0.13 50р 21 1т.то	· <b>–</b>		minimum clong	,010100 2/ 21.00	10 10000	1 5 1 10

min. Earth dist.	7846 Feb 28 04:41	10° <b>)</b> 41′55	0.27004 AU	evening rise	7848 Sep 02 23:56	27° <b>m</b> 12'25	
morning rise	7846 Mar 05 10:29	7° <b>)</b> €34'37			7848 Sep 05 06:21	0∘ <b>⊽</b>	
direct	7846 Mar 20 23:56	2° <b>∺</b> 50′06			7848 Sep 29 16:24	$0^{\circ}$ M	
greatest brilliancy	7846 Mar 30 23:16	4° <b>)</b> 43′32	-4.9m		7848 Oct 24 06:08	0° <b>∡</b>	
	7846 May 04 15:56	$0^{\circ}$ Y		desc. node	7848 Nov 16 01:46	27° <b>∡</b> "38′12	
morning max el	7846 May 10 12:58	5° <b>Ƴ</b> 47'38	46°58'36		7848 Nov 18 00:50	0°₹	
desc. node	7846 Jun 01 07:59	28° <b>Ƴ</b> 59'48			7848 Dec 13 01:44	0° <b>≈</b>	
	7846 Jun 02 05:38	$9^{\circ}$ 8			7849 Jan 07 11:09	0° <b>∀</b>	
	7846 Jun 28 10:31	$\Pi$ $^{\circ}0$			7849 Feb 02 12:43	$0^{\circ}$ Y	
	7846 Jul 23 19:18	0			7849 Mar 02 08:59	0°8	
	7846 Aug 17 19:34	$0 {\circ} \Omega$		evening max el	7849 Mar 02 19:33	0° <b>8</b> 26'40	46°57'27
	7846 Sep 11 15:06	O° <b>m</b> y		asc. node	7849 Mar 09 01:41	6° <b>8</b> 36'37	
asc. node	7846 Sep 22 06:37	12° m 55'53			7849 Apr 08 15:47	$\Pi$ $^{\circ}0$	
	7846 Oct 06 06:38	0∘ <b>⊽</b>		greatest brilliancy	7849 Apr 12 13:54	1° <b>Ⅱ</b> 38′03	-4.9m
	7846 Oct 30 18:14	0°M₊		retrograde	7849 Apr 22 08:42	3° <b>Ⅲ</b> 27'11	
morning set	7846 Nov 08 12:27	10° <b>™</b> 46'41			7849 May 05 11:45	30° <b>₹</b> 8	
	7846 Nov 24 02:30	0° <b>∡</b> ¹		evening set	7849 May 10 09:04	27° <b>8</b> 16'01	
max. Earth dist.	7846 Dec 13 05:22	23° <b>∡</b> ³38'50	1.72788 AU	inferior conj	7849 May 13 02:27	25° <b>8</b> 35'48	8°51'37
				minimum elong	7849 May 13 08:10	25° <b>8</b> 26'58	8°51'02
superior conj	7846 Dec 15 07:37	26° <b>∡</b> 14′25	1°00'23	min. Earth dist.	7849 May 13 01:42	25° <b>8</b> 36'59	0.27201 AU
minimum elong	7846 Dec 15 17:27	26° <b>∡</b> ⁴44'51	1°00'09	morning rise	7849 May 16 07:20	23° <b>8</b> 38'24	
	7846 Dec 18 08:28	8°0		direct	7849 Jun 02 17:57	17° <b>8</b> 47'58	
desc. node	7847 Jan 11 23:33	0° <b>≈</b> 33'18		greatest brilliancy	7849 Jun 12 09:14	19° <b>8</b> 31'57	-4.9m
	7847 Jan 11 12:49	0° <b>≈</b>		desc. node	7849 Jun 28 19:50	28° <b>8</b> 42'25	
evening rise	7847 Jan 22 18:28	13° <b>≈</b> 57'45			7849 Jun 30 13:35	$\Pi^{\circ}0$	
	7847 Feb 04 15:45	0° <b>)</b> €		morning max el	7849 Jul 22 14:10	19° <b>Ⅲ</b> 29'31	46°22'56
	7847 Feb 28 17:29	$0$ ° $\Upsilon$			7849 Aug 01 23:05	$0$ $\circ$ $\odot$	
	7847 Mar 24 19:18	0°8			7849 Aug 29 13:08	$0^{\circ}\Omega$	
	7847 Apr 17 23:58	$\Pi$ $^{\circ}0$			7849 Sep 24 17:23	o° my	
asc. node	7847 May 04 22:43	20° <b>Ⅱ</b> 48'51		asc. node	7849 Oct 19 18:47	29° <b>m</b> 31'44	
	7847 May 12 11:53	$0$ $\circ$ $\odot$			7849 Oct 20 04:16	0∘ <b>⊽</b>	
	7847 Jun 06 13:36	$\mathfrak{O}_{\circ} \mathfrak{O}$			7849 Nov 14 03:12	$0^{\circ}$ M	
	7847 Jul 02 17:44	O° <b>m</b> y			7849 Dec 08 17:19	0° <b>∡</b> ¹	
evening max el	7847 Jul 27 16:43	26° Mp 15'45	45°58'43		7850 Jan 02 01:16	0°ප	
	7847 Jul 31 13:36	0∘ <b>⊽</b>		morning set	7850 Jan 17 03:59	18° <b>る</b> 44'43	
desc. node	7847 Aug 24 17:08	19° <b>≏</b> 37'52			7850 Jan 26 05:03	0° <b>≈</b>	
greatest brilliancy	7847 Sep 04 04:40	24° <b>ჲ</b> 58′23	-4.7m	desc. node	7850 Feb 08 11:33	16° <b>≈</b> 32'58	
retrograde	7847 Sep 14 22:57	27° <b>ჲ</b> 03'55			7850 Feb 19 05:47	0° <b>∀</b>	
evening set	7847 Oct 02 07:31	21° <b>≏</b> 21'27		max. Earth dist.	7850 Feb 22 21:52	4° <b>¥</b> 35'38	1.71589 AU
min. Earth dist.	7847 Oct 06 03:56	18° <b>ჲ</b> 58'38	0.29123 AU				
inferior conj	7847 Oct 06 12:05	18° <b>≏</b> 45'48	-8°00'23	superior conj	7850 Feb 25 18:42	8° <b>升</b> 11'12	-0°40'30
minimum elong	7847 Oct 06 05:08	18° <b>≙</b> 56'45	7°59'36	minimum elong	7850 Feb 25 09:22	7° <b>)</b> 41′58	0°40'02
morning rise	7847 Oct 10 02:52	16° <b>≏</b> 31'08			7850 Mar 15 04:10	$0^{\circ}$ Y	
direct	7847 Oct 28 01:37	10° <b>≏</b> 29'58		evening rise	7850 Apr 07 01:46	28° <b>Y</b> '46'06	
greatest brilliancy	7847 Nov 07 04:49	12° <b>≏</b> 21'32	-4.7m		7850 Apr 08 01:18	$0^{\circ}$ 8	
	7847 Dec 04 07:29	$0^{\circ}$ M.			7850 May 01 23:09	$\Pi^{\circ}0$	
asc. node	7847 Dec 15 16:46	10°M29'23			7850 May 26 00:13	$0$ $\circ$ $\odot$	
morning max el	7847 Dec 16 02:58	10°M54'11	45°53'11	asc. node	7850 Jun 01 10:33	7° <b>5</b> 58'41	
	7848 Jan 03 15:34	0°⊀			7850 Jun 19 07:04	$0 {\circ} \Omega$	
	7848 Jan 30 07:03	8°0			7850 Jul 13 22:36	0° <b>m</b> ∕	
	7848 Feb 24 14:08	0° <b>≈</b>			7850 Aug 08 03:37	0∘ <b>ত</b>	
	7848 Mar 20 05:23	0° <b>∀</b>			7850 Sep 03 08:25	0° <b>M</b>	
desc. node	7848 Apr 05 09:50	19° <b>) ₹</b> 57'54		desc. node	7850 Sep 21 04:33	19° <b>™</b> 18'07	
	7848 Apr 13 12:00	$0^{\circ}$ Y			7850 Oct 01 16:25	0° <b>∡</b> 7	
	7848 May 07 13:57	0°B		evening max el	7850 Oct 06 12:43	4° <b>∡</b> ¹42'55	45°40'43
	7848 May 31 14:10	$\Pi$ $^{\circ}0$			7850 Nov 08 01:29	0°ප	
morning set	7848 Jun 18 20:38	22° <b>∏</b> 48'49		greatest brilliancy	7850 Nov 14 19:10	2° <b>る</b> 51'32	-4.7m
	7848 Jun 24 14:59	$0$ $\circ$ $\odot$		retrograde	7850 Nov 24 06:25	4° <b>る</b> 29'32	
	7848 Jul 18 17:47	$0$ ° $\Omega$			7850 Dec 09 12:55	30°₽ <b>✓</b>	
asc. node	7848 Jul 27 08:24	10° <b>Ω</b> 40′39		evening set	7850 Dec 10 20:21	29° <b>х</b> 15′46	
				inferior conj	7850 Dec 15 11:46	26° <b>₹</b> 26'59	-6°09'50
superior conj	7848 Jul 27 13:31	10° <b>£</b> 56'33	0°00'31	minimum elong	7850 Dec 15 21:55	26° <b>⊀</b> 11'11	6°07'31
minimum elong	7848 Jul 27 13:24	10° <b>Ω</b> 56′11	0°00'26	min. Earth dist.	7850 Dec 16 08:56	25° <b>₹</b> 54'04	0.28366 AU
behind sun begin	7848 Jul 26 13:37	9° <b>Ω</b> 42′28		morning rise	7850 Dec 20 22:56	23° <b>₹</b> 08'38	
behind sun end	7848 Jul 28 13:11	12° <b>Ω</b> 09′53		direct	7851 Jan 05 18:39	18° <b>≯</b> 14'52	
max. Earth dist.	7848 Jul 30 09:35	14° <b>Ω</b> 27'25	1.72645 AU	asc. node	7851 Jan 12 04:31	19° <b>∡</b> °02'14	
	7848 Aug 11 22:55	0° <b>m</b>		greatest brilliancy	7851 Jan 17 00:13	20° <b>х</b> 34′33	-4.8m

	7851 Feb 01 23:09	5°0			7853 Oct 10 09:41	0° <b>∡</b> 7	
morning max el	7851 Feb 25 00:30	20°る38'58	46°37'40	desc. node	7853 Oct 18 16:04	9° <b>∡</b> 38'05	
	7851 Mar 06 01:44	0° <b>≈</b>			7853 Nov 05 11:09	0°る	
	7851 Apr 02 00:12	0° <b>∀</b>			7853 Dec 02 21:56	0° <b>≈</b>	
	7851 Apr 27 10:17	0° <b>Υ</b>		evening max el	7853 Dec 17 15:24	14°≈55'31	46°13'18
desc. node	7851 May 03 22:01	7° <b>Y</b> 48'36			7854 Jan 03 08:13	0° <b>∀</b>	
	7851 May 22 04:24	0.8		greatest brilliancy	7854 Jan 26 07:25	14° <b>)</b> 13′56	-4.8m
	7851 Jun 15 15:18	0°II		retrograde	7854 Feb 05 03:58	16° <b>)</b> €01'42	
	7851 Jul 09 23:46	0°©		asc. node	7854 Feb 08 16:07	15° <b>)</b> (46′52	
1	7851 Aug 03 08:09	0°N		evening set	7854 Feb 19 18:50	11° <b>米</b> 49'26 8° <b>米</b> 15'59	401.515.0
asc. node	7851 Aug 24 20:23	26° <b>Ω</b> 29'13 0° <b>m</b>		inferior conj	7854 Feb 25 19:41 7854 Feb 25 10:46		4°13'30 4°13'20
morning sat	7851 Aug 20 15:30	2° Mp 24'03		minimum elong min. Earth dist.	7854 Feb 25 10:40 7854 Feb 25 18:50	8° <del>X</del> 17'17	0.27015 AU
morning set	7851 Aug 29 15:39 7851 Sep 21 01:25	ე∘ <b>ত</b> ე∘ <b>ত</b>		morning rise	7854 Mar 03 02:32	5° <b>∺</b> 07'02	0.27013 AU
	7651 Sep 21 01.25	0 ==		direct	7854 Mar 18 13:18	0° <b>∺</b> 26'46	
superior conj	7851 Oct 05 15:36	17° <b>£</b> 58'54	1°19'15	greatest brilliancy	7854 Mar 28 13:52	2° <b>H</b> 20'53	-4.9m
minimum elong	7851 Oct 05 08:54	17° <b>⊆</b> 38'14		greatest orimaney	7854 May 04 16:20	0°Υ	1.5111
max. Earth dist.	7851 Oct 05 13:53	17° <b>⊆</b> 53'35		morning max el	7854 May 08 01:40	3° <b>Y</b> 22'27	46°58'46
	7851 Oct 15 09:36	0° <b>M</b> .		desc. node	7854 May 31 10:07	28°Υ18'59	
	7851 Nov 08 17:53	0° <b>∡</b> ¹			7854 Jun 01 22:15	0°8	
evening rise	7851 Nov 11 01:46	2° <b>∡</b> 52'07			7854 Jun 28 00:25	0° <b>I</b> I	
Č	7851 Dec 03 02:56	0°ರ			7854 Jul 23 07:49	0ಂತಾ	
desc. node	7851 Dec 14 13:38	14° <b>る</b> 04'12			7854 Aug 17 07:14	$0^{\circ}\Omega$	
	7851 Dec 27 12:58	0° <b>≈</b>			7854 Sep 11 02:14	0° <b>m</b>	
	7852 Jan 20 23:54	0° <b>\</b>		asc. node	7854 Sep 21 08:34	12° <b>m</b> 28'30	
	7852 Feb 14 12:28	$\mathbf{\gamma}_0$			7854 Oct 05 17:24	0 <b>∘</b> ⊽	
	7852 Mar 10 06:00	0° <b>8</b>			7854 Oct 30 04:48	$0^{\circ}$ M.	
	7852 Apr 04 12:34	$\Pi^{\circ}0$		morning set	7854 Nov 06 05:33	8°M39'09	
asc. node	7852 Apr 05 13:03	1° <b>Ⅱ</b> 11'18			7854 Nov 23 13:01	0° <b>∡</b> ¹	
	7852 May 01 02:38	0ංම		max. Earth dist.	7854 Dec 10 20:19	21° <b>х</b> 24'01	1.72823 AU
evening max el	7852 May 14 07:27	13°548'04	46°47'13				
	7852 May 31 17:49	$0$ $\circ$ $\Omega$		superior conj	7854 Dec 12 23:42	24° <b>₹</b> 03'02	1°02'46
greatest brilliancy	7852 Jun 22 17:52	14° <b>Ω</b> 07'19	-4.8m	minimum elong	7854 Dec 13 09:28	24° <b>∡</b> ³33′16	1°02'33
retrograde	7852 Jul 03 15:07	16° <b>Ω</b> 19'31			7854 Dec 17 19:00	ರ್∘ರ	
evening set	7852 Jul 18 12:35	11° <b>Ω</b> 56'20	0000101		7855 Jan 10 23:27	0° <b>≈</b>	
inferior conj	7852 Jul 24 18:01	8° <b>Ω</b> 13'40		desc. node	7855 Jan 11 01:31	0°≈06'24	
minimum elong	7852 Jul 24 18:55	8° <b>Ω</b> 12'18	0°22'58	evening rise	7855 Jan 20 08:35	11° <b>≈</b> 39'11	
min. Earth dist.	7852 Jul 24 07:30 7852 Jul 26 07:28	8° <b>Ω</b> 29'57 7° <b>Ω</b> 15'53	0.27914 AU		7855 Feb 04 02:31	0° <b>∀</b> 0° <b>Υ</b>	
desc. node morning rise	7852 Jul 31 01:55				7855 Feb 28 04:27 7855 Mar 24 06:30	·	
direct	7852 Aug 14 19:35	4° <b>Ω</b> 29'17 0° <b>Ω</b> 15'52			7855 Apr 17 11:32	0°B 0°B	
greatest brilliancy	7852 Aug 24 14:24	2°Ω00'52	-4 8m	asc. node	7855 May 04 00:49	20°∏18'43	
greatest offinality	7852 Oct 02 10:59	0° <b>m</b> )	-4.0111	asc. node	7855 May 12 00:04	0°95	
morning max el	7852 Oct 02 16:08	0° m) 12'16	45°44'50		7855 Jun 06 02:58	$0^{\circ}\Omega$	
	7852 Oct 31 12:09	0∘ <b>ಹ</b>			7855 Jul 02 09:39	0° <b>m</b> )	
asc. node	7852 Nov 16 06:55	17° <b>≏</b> 36'35		evening max el	7855 Jul 25 07:26	24° mp 01'06	46°00'01
	7852 Nov 27 01:53	0° <b>M</b> .		Č	7855 Jul 31 13:24	$0$ ° $\mathbf{\overline{v}}$	
	7852 Dec 22 12:01	0° <b>∡</b> ¹		desc. node	7855 Aug 23 19:06	18° <b>ഫ</b> 20'02	
	7853 Jan 16 06:28	8°0		greatest brilliancy	7855 Sep 01 20:40	22° <b>≏</b> 48'53	-4.7m
	7853 Feb 09 15:29	0° <b>≈</b>		retrograde	7855 Sep 12 14:43	24° <b>≏</b> 54'46	
	7853 Mar 05 18:33	0° <b>₩</b>		evening set	7855 Sep 29 20:40	19° <b>≏</b> 16'59	
desc. node	7853 Mar 07 23:35	2° <b>∺</b> 45'30		inferior conj	7855 Oct 04 04:21	16° <b>≏</b> 36'50	-7°52'41
	7853 Mar 29 17:44	$0$ ° $\mathbf{\Upsilon}$		minimum elong	7855 Oct 03 20:51	16° <b>≙</b> 48'38	7°51'46
morning set	7853 Apr 01 22:10	3° <b>Ƴ</b> 59'46		min. Earth dist.	7855 Oct 03 19:39	16° <b>≙</b> 50'32	0.29106 AU
	7853 Apr 22 14:48	$9^{\circ}$ 8		morning rise	7855 Oct 07 21:08	14° <b>≏</b> 19'02	
				direct	7855 Oct 25 17:07	8° <b>Ω</b> 21'19	
superior conj	7853 May 12 15:35	25° <b>8</b> 10'43		greatest brilliancy	7855 Nov 04 20:31	10° <b>£</b> 12'27	-4.7m
minimum elong	7853 May 12 21:27	25° <b>8</b> 29'09			7855 Dec 04 10:40	0°M	4505310:
max. Earth dist.	7853 May 14 21:44		1.71363 AU	morning max el	7855 Dec 13 17:09	8°M39'07	45°52'04
	7853 May 16 11:42	0°II		asc. node	7855 Dec 14 18:50	9°M41'48	
i ·	7853 Jun 09 10:24	0°95			7856 Jan 03 08:10	0°⊀ 0° <b>=</b>	
evening rise	7853 Jun 21 21:07 7853 Jun 28 22:24	15°©31'50 24°©18'26			7856 Jan 29 20:42 7856 Feb 24 02:30	0°る	
asc. node	7853 Jul 28 22:24 7853 Jul 03 12:25	24°9018'26 0°Ω			7856 Feb 24 02:30 7856 Mar 19 17:04	0° <b>∺</b>	
	7853 Jul 27 18:48	0° <b>m</b> p		desc. node	7856 Apr 04 11:49	0 <del>X</del> 19° <b>¥</b> 28'46	
	7853 Aug 21 06:45	0∘ <b>⊽</b> مال		desc. Hode	7856 Apr 12 23:16	19 χ2640 0°Υ	
	7853 Sep 15 02:25	0° <b>m</b>			7856 May 07 00:55	0°8	
	, 555 Бер 15 02.25	♥ 11 <b>₩</b>			. 000 1.1ug 07 00.00	ÿ <b>O</b>	

	7856 May 31 00:55	$\Pi^{\circ}$			7858 Nov 10 14:32	ರ°0	
morning set	7856 Jun 16 10:21	0 H 20°H28'40		greatest brilliancy	7858 Nov 10 14.32 7858 Nov 12 08:44	0° <b>る</b> 37'41	-4.7m
morning set	7856 Jun 24 01:35	0°95		retrograde	7858 Nov 21 21:42	2°る16'43	- <del>4</del> ./III
	7856 Jul 18 04:18	$0 {\circ} {\mathfrak O}$		renograde	7858 Dec 02 14:55	30°R. <b>✓</b>	
	7000001 10 01.10	° 00		evening set	7858 Dec 08 14:20	26° <b>₹</b> ′58'13	
superior conj	7856 Jul 25 04:46	8° <b>Ω</b> 42'33	-0°03'01	inferior conj	7858 Dec 13 02:59	24°×13'09	-6°24'04
minimum elong	7856 Jul 25 05:28	8° <b>Ω</b> 44'44		minimum elong	7858 Dec 13 13:07	23° <b>₹</b> '57'22	
behind sun begin	7856 Jul 24 05:52	7° <b>Ω</b> 31'34		min. Earth dist.	7858 Dec 13 23:34	23° <b>∡</b> ¹41'08	0.28427 AU
behind sun end	7856 Jul 26 05:04	9° <b>Ω</b> 57'54		morning rise	7858 Dec 18 11:27	20° <b>∡</b> 58'45	
asc. node	7856 Jul 26 10:16	10° <b>Ω</b> 13'59		direct	7859 Jan 03 10:57	16° <b>∡</b> 00′26	
max. Earth dist.	7856 Jul 28 00:48	12° <b>£</b> 13′23	1.72605 AU	asc. node	7859 Jan 11 06:22	17° <b>∡</b> 10'11	
	7856 Aug 11 09:25	o° <b>m</b> p		greatest brilliancy	7859 Jan 14 15:24	18° <b>∡</b> 19'28	-4.8m
evening rise	7856 Aug 31 17:09	25° Mp 05'08			7859 Feb 02 12:39	8°0	
	7856 Sep 04 16:53	0∘ <b>亚</b>		morning max el	7859 Feb 22 16:40	18° <b>る</b> 24'21	46°36'04
	7856 Sep 29 03:05	o° <b>m</b> ₊			7859 Mar 05 20:36	0° <b>≈</b>	
	7856 Oct 23 17:07	0° <b>∡</b> ¹			7859 Apr 01 15:03	0° <b>∀</b>	
desc. node	7856 Nov 15 03:51	27° <b>∡</b> ¹09'56			7859 Apr 26 23:26	$0^{\circ}$ Y	
	7856 Nov 17 12:21	0°ප		desc. node	7859 May 03 00:04	7° <b>Ƴ</b> 15'53	
	7856 Dec 12 14:05	0° <b>≈</b>			7859 May 21 16:37	$9^{\circ}$ 8	
	7857 Jan 07 00:51	0° <b>∀</b>			7859 Jun 15 02:56	$\Pi$ °0	
	7857 Feb 02 04:57	$0^{\circ}\mathbf{\Upsilon}$			7859 Jul 09 10:59	0ಂತಾ	
evening max el	7857 Feb 28 08:15	28° <b>Y</b> 00′56	46°56'46		7859 Aug 02 19:03	$0$ $^{\circ}\Omega$	
	7857 Mar 02 07:51	0° <b>8</b>		asc. node	7859 Aug 23 22:22	26° <b>Ω</b> 02'28	
asc. node	7857 Mar 08 03:41	5° <b>8</b> 39'43		morning set	7859 Aug 27 08:32	0° Mp 15′27	
greatest brilliancy	7857 Apr 10 03:38	29° <b>8</b> 13'49	-4.9m		7859 Aug 27 03:31	0° <b>m</b> )	
	7857 Apr 12 13:40	0°II			7859 Sep 20 11:57	0∘ <b>⊽</b>	
retrograde	7857 Apr 19 21:58	1° <b>Ⅱ</b> 02'58					
	7857 Apr 27 01:19	30° <b>₹</b> 8		superior conj	7859 Oct 03 09:33	15° <b>£</b> 53'47	
evening set	7857 May 08 00:15	24° <b>8</b> 48'43	00.5512.0	minimum elong	7859 Oct 03 02:23	15° <b>Ω</b> 31'42	
inferior conj	7857 May 10 15:34	23° <b>8</b> 11'51		max. Earth dist.	7859 Oct 03 12:29	16° <b>Ω</b> 02'49	1.73332 AU
minimum elong	7857 May 10 20:26	23° <b>8</b> 04'21	8°57'03		7859 Oct 14 20:09	0°M 0°. <b>7</b>	
min. Earth dist.	7857 May 10 14:36	23° <b>8</b> 13'20 21° <b>8</b> 20'19	0.27185 AU	avanina riaa	7859 Nov 08 04:33 7859 Nov 08 19:07	0° <b>҂</b> 0° <b>҂</b> 44'51	
morning rise direct	7857 May 13 16:38 7857 May 31 06:25	15° <b>8</b> 23'54		evening rise	7859 Dec 02 13:49	0 x 44 31	
greatest brilliancy	7857 Jun 09 22:08	13 <b>8</b> 23 34	-4.9m	desc. node	7859 Dec 02 13:49 7859 Dec 13 15:34	13° <b>る</b> 36'19	
desc. node	7857 Jun 27 21:45	27° <b>8</b> 27'45	-4.9111	desc. Hode	7859 Dec 27 00:10	0°≈	
dese. Hode	7857 Jul 01 03:57	0° <b>I</b>			7860 Jan 20 11:31	0° <b>∀</b>	
morning max el	7857 Jul 20 04:16	17° <b>I</b> I 10'25	46°24'40		7860 Feb 14 00:40	0°Υ	
morning max cr	7857 Aug 01 18:06	0°9	40 24 40		7860 Mar 09 19:10	0°8	
	7857 Aug 29 03:46	$0^{\circ}\Omega$			7860 Apr 04 03:24	0°II	
	7857 Sep 24 06:07	0° <b>m</b> )		asc. node	7860 Apr 04 15:08	0° <b>П</b> 34'03	
asc. node	7857 Oct 18 20:48	29° m 02'45			7860 Apr 30 21:17	0ಂತಾ	
	7857 Oct 19 16:00	0∘ <del>⊽</del>		evening max el	7860 May 11 23:22	11° <b>©</b> 31'55	46°48'33
	7857 Nov 13 14:22	0°M		Č	7860 Jun 01 04:21	$0^{\circ}\Omega$	
	7857 Dec 08 04:11	0° <b>∡</b> ¹		greatest brilliancy	7860 Jun 20 09:55	11° <b>Ω</b> 51'07	-4.8m
	7858 Jan 01 11:59	0°రె		retrograde	7860 Jul 01 06:41	14° <b>Ω</b> 02'22	
morning set	7858 Jan 14 18:26	16° <b>පි</b> 27'16		evening set	7860 Jul 16 04:36	9° <b>Ω</b> 38′26	
	7858 Jan 25 15:45	0° <b>≈</b>		inferior conj	7860 Jul 22 08:45	5° <b>Ω</b> 57'14	0°45'21
desc. node	7858 Feb 07 13:25	16° <b>≈</b> 05′22		minimum elong	7860 Jul 22 10:28	5° <b>£</b> 54'34	0°44'43
	7858 Feb 18 16:31	0° <b>₩</b>		min. Earth dist.	7860 Jul 21 22:42	6° <b>Ω</b> 12'49	0.27867 AU
max. Earth dist.	7858 Feb 20 10:52	2° <b>升</b> 12′29	1.71628 AU	desc. node	7860 Jul 25 09:24	4° <b>Ω</b> 05'59	
				morning rise	7860 Jul 28 17:06	2° <b>Ω</b> 12′22	
superior conj	7858 Feb 23 06:27	5° <b>)</b> 44′03			7860 Aug 02 10:07	30° <b>₹</b> 5	
minimum elong	7858 Feb 22 21:47	5° <b>升</b> 16'54	0°36'34	direct	7860 Aug 12 10:24	28° <b>©</b> 00'20	
	7858 Mar 14 14:57	$0^{\circ}$ Y		greatest brilliancy	7860 Aug 22 04:06	29° <b>©</b> 44'35	-4.8m
evening rise	7858 Apr 04 12:42	26° <b>Y</b> 15'42			7860 Aug 22 21:35	$0$ $\circ$ $\Omega$	
	7858 Apr 07 12:09	0°8		morning max el	7860 Sep 30 07:12	27° <b>Ω</b> 59'38	45°45'30
	7858 May 01 10:05	$\Pi^{\circ 0}$			7860 Oct 02 09:12	0° <b>m</b> )	
•	7858 May 25 11:19	0°95		1	7860 Oct 31 03:38	0° <b>亞</b>	
asc. node	7858 May 31 12:32	7°930'23		asc. node	7860 Nov 15 08:58	17° <b>Ω</b> 02'50	
	7858 Jun 18 18:25	0° <b>N</b>			7860 Nov 26 15:01	0°M.	
	7858 Jul 13 10:26	0° <b>™</b>			7860 Dec 22 00:07	0°る	
	7858 Aug 07 16:26 7858 Sep 02 23:22	0° <b>№</b> 0° <b>亞</b>			7861 Jan 15 18:02 7861 Feb 09 02:46	0°≈	
desc. node	7858 Sep 02 23:22 7858 Sep 20 06:33	18°MJ36'49			7861 Mar 05 05:40	0° <b>∺</b>	
desc. Houe	7858 Oct 01 13:15	18 IIL3049 0° <b>⊼</b>		desc. node	7861 Mar 07 01:39	0 <del>X</del> 2° <b>¥</b> 17'16	
evening max el	7858 Oct 04 04:22	2° <b>∡</b> ³32'23	45°40'24	desc. Hode	7861 Mar 29 04:46	2 χ1/10 0° <b>Υ</b>	
Tronnig mun of	,000 001 07 07.22	- 7 3443	10 10 27		,001 Mai 27 07.70	V 1	

morning set	7861 Mar 30 08:30	1° <b>Y</b> 26'59		inferior conj	7863 Oct 01 20:41	14° <b>£</b> 26'57	7011125
morning set	7861 Apr 22 01:48	0° <b>8</b>		minimum elong	7863 Oct 01 20:41	14 <b>≗</b> 20 3 / 14° <b>£</b> 39'33	7°43'21
	7801 Apr 22 01.48	0.0		min. Earth dist.	7863 Oct 01 12:41 7863 Oct 01 11:20	14 <b>=</b> 3933	0.29084 AU
superior conj	7861 May 10 02:47	22° <b>8</b> 40'43	-1°25'42	morning rise	7863 Oct 01 11:20 7863 Oct 05 15:36	12° <b>£</b> 06'03	0.23084 AU
minimum elong	7861 May 10 02:47	22° <b>8</b> 56'12		direct	7863 Oct 23 08:40	6° <b>£</b> 11'40	
max. Earth dist.	7861 May 12 06:47		1.71335 AU	greatest brilliancy	7863 Nov 02 12:29	8° <b>£</b> 02'56	-4 7m
man. Darun dibu	7861 May 15 22:40	0°II	1., 1550 110	greatest similare,	7863 Dec 04 12:39	0°M	,
	7861 Jun 08 21:22	0°ಅ		morning max el	7863 Dec 11 08:10	6°M25'26	45°51'11
evening rise	7861 Jun 19 09:41	13° <b>©</b> 07'16		asc. node	7863 Dec 13 20:40	8°M53'38	
asc. node	7861 Jun 28 00:18	23° <b>©</b> 50'12			7864 Jan 03 00:44	0° <b>∡</b> ¹	
	7861 Jul 02 23:25	$0^{\circ}\Omega$			7864 Jan 29 10:30	0°ರ	
	7861 Jul 27 05:55	O° mp			7864 Feb 23 15:06	0° <b>≈</b>	
	7861 Aug 20 18:07	0∘ <b>亚</b>			7864 Mar 19 05:05	0° <b>∀</b>	
	7861 Sep 14 14:17	0°M₊		desc. node	7864 Apr 03 13:52	18° <b>⊁</b> 58'41	
	7861 Oct 09 22:28	0° <b>∡</b> ¹			7864 Apr 12 10:56	$0$ ° $\mathbf{\Upsilon}$	
desc. node	7861 Oct 17 18:10	9° <b>₰</b> 05'48			7864 May 06 12:20	$9^{\circ}$ 8	
	7861 Nov 05 01:47	0°₹			7864 May 30 12:09	$\Pi^{\circ}0$	
	7861 Dec 02 16:48	0° <b>≈</b>		morning set	7864 Jun 13 23:28	18° <b>Ⅱ</b> 05'00	
evening max el	7861 Dec 15 05:02	12°≈35'33	46°11'23		7864 Jun 23 12:40	0°95	
	7862 Jan 03 20:41	0° <b>)</b> (			7864 Jul 17 15:17	$0$ ° $\Omega$	
greatest brilliancy	7862 Jan 23 21:16	11° <b>)</b> 50'53	-4.8m		T0(4 X 1 . 22 . 10 25	60 00 5140	000 (122
retrograde	7862 Feb 02 16:05	13° <b>∺</b> 37'18 13° <b>∺</b> 06'07		superior conj	7864 Jul 22 19:35	6°Ω25'42 6°Ω30'30	
asc. node	7862 Feb 07 18:09	9° <b>H</b> 27'24		minimum elong	7864 Jul 22 21:07		0°06'35
evening set inferior conj	7862 Feb 17 06:12 7862 Feb 23 08:47	9° <b>π</b> 27′24 5° <b>升</b> 51′43	2054117	behind sun begin behind sun end	7864 Jul 21 23:00 7864 Jul 23 19:15	5° <b>Ω</b> 21'51 7° <b>Ω</b> 39'08	
minimum elong	7862 Feb 23 00:28		3°51'54	max. Earth dist.	7864 Jul 25 15:14	9° <b>Ω</b> 55'30	1.72561 AU
min. Earth dist.	7862 Feb 23 00:28 7862 Feb 23 09:17		0.27034 AU	asc. node	7864 Jul 25 12:15	9° <b>Ω</b> 46'13	1.72301 AU
morning rise	7862 Feb 28 18:27	2° <b>₩</b> 38'27	0.27034 AO	asc. node	7864 Aug 10 20:21	0° m	
morning rise	7862 Mar 06 06:01	30°R≈		evening rise	7864 Aug 29 10:15	22° m 56'15	
direct	7862 Mar 16 02:16	28°≈01'54		evening rise	7864 Sep 04 03:51	0ಂ <b>ರ</b>	
greatest brilliancy	7862 Mar 26 05:10	29°≈57'37	-4.9m		7864 Sep 28 14:11	0°M	
,	7862 Mar 26 07:45	0° <b>)</b> €			7864 Oct 23 04:31	0° <b>∡</b> ¹	
	7862 May 04 16:09	$0^{\circ}\mathbf{\Upsilon}$		desc. node	7864 Nov 14 05:46	26° <b>х</b> 40′02	
morning max el	7862 May 05 14:01	0° <b>Y</b> 54'55	46°59'03		7864 Nov 17 00:15	ರ°0	
desc. node	7862 May 30 12:04	27° <b>Y</b> 36'56			7864 Dec 12 02:48	0° <b>≈</b>	
	7862 Jun 01 14:59	$9^{\circ}$ 8			7865 Jan 06 14:57	0° <b>)</b> €	
	7862 Jun 27 14:32	$\Pi^{\circ}0$			7865 Feb 01 21:44	$0$ ° $\mathbf{\Upsilon}$	
	7862 Jul 22 20:35	0ಂ <b>ತಾ</b>		evening max el	7865 Feb 25 21:44	25° <b>Y</b> 36'33	46°55'51
	7862 Aug 16 19:11	$0^{\circ}\Omega$		_	7865 Mar 02 08:06	0° <b>8</b>	
,	7862 Sep 10 13:38	0° Mp		asc. node	7865 Mar 07 05:42	4° <b>8</b> 40'45	4.0
asc. node	7862 Sep 20 10:37	12° Mp 00'31		greatest brilliancy	7865 Apr 07 16:25	26° <b>8</b> 47'13	-4.9m
	7862 Oct 05 04:28 7862 Oct 29 15:40	0° <b>™</b> 0° <b>亚</b>		retrograde	7865 Apr 17 11:27	28° <b>8</b> 37'07 22° <b>8</b> 20'10	
morning set	7862 Nov 03 23:05	6°ML32'03		evening set inferior conj	7865 May 05 14:52 7865 May 08 04:32	22 <b>8</b> 20 10 20° <b>8</b> 45'58	9°02'20
morning set	7862 Nov 03 23:03 7862 Nov 22 23:47	0° 📈		minimum elong	7865 May 08 08:30	20° <b>8</b> 39'52	9°02'00
max. Earth dist.	7862 Dec 08 13:40		1.72859 AU	min. Earth dist.	7865 May 08 03:01	20° <b>8</b> 48'19	0.27178 AU
man. Darun dist.	7002 200 00 13.10	1, 7, 1001	1.,200,110	morning rise	7865 May 11 02:10	18° <b>8</b> 59'49	0.27170110
superior conj	7862 Dec 10 16:19	21° <b>х</b> 52'34	1°05'00	direct	7865 May 28 19:30	12° <b>8</b> 57'57	
minimum elong	7862 Dec 11 01:59	22° <b>х</b> 22'29	1°04'49	greatest brilliancy	7865 Jun 07 10:34	14° <b>8</b> 42'32	-4.9m
_	7862 Dec 17 05:48	8°0		desc. node	7865 Jun 26 23:42	26° <b>8</b> 13'35	
desc. node	7863 Jan 10 03:27	29° <b>る</b> 38'29			7865 Jul 01 15:26	$\Pi^{\circ}0$	
	7863 Jan 10 10:23	0° <b>≈</b>		morning max el	7865 Jul 17 19:00	14° <b>Ⅱ</b> 51′04	46°26'22
evening rise	7863 Jan 17 23:09	9° <b>≈</b> 21'11			7865 Aug 01 13:13	$0$ $\circ$ $\odot$	
	7863 Feb 03 13:39	0° <b>∀</b>			7865 Aug 28 18:44	$0$ $^{\circ}$ $\Omega$	
	7863 Feb 27 15:49	0°Υ			7865 Sep 23 19:12	0°Щ	
	7863 Mar 23 18:10	0°8		asc. node	7865 Oct 17 22:45	28° m 32'31	
	7863 Apr 16 23:36	0°II			7865 Oct 19 04:03	0∘ <b>ѿ</b>	
asc. node	7863 May 03 02:46	19° <b>Ⅱ</b> 46'33			7865 Nov 13 01:50	0°M.	
	7863 May 11 12:49 7863 Jun 05 16:57	$0 {\circ} {f U}$			7865 Dec 31 22:50	0°る	
	7863 Jul 02 02:20	0° <b>m</b>		morning set	7865 Dec 31 22:59 7866 Jan 12 09:27	0°5 14° <b>る</b> 10'50	
evening max el	7863 Jul 02 02:20 7863 Jul 22 21:55	0°111/ 21°11/44'36	46001133	morning set	7866 Jan 25 02:42	0°≈	
evening max ci	7863 Jul 31 14:57	0° <b>Ω</b>	-ru u1 <i>33</i>	desc. node	7866 Feb 06 15:31	0 ≈ 15°≈37'49	
desc. node	7863 Aug 22 21:09	0 <b>=</b> 16° <b>£</b> 58'52		max. Earth dist.	7866 Feb 18 00:12	13 ≈37 49 29°≈49'48	1.71662 AU
greatest brilliancy	7863 Aug 30 12:12	20° <b>⊆</b> 37'47	-4.7m	Law Milde	7866 Feb 18 03:28	0° <b>∀</b>	
retrograde	7863 Sep 10 06:48	22° <b>Ω</b> 44'53					
evening set	7863 Sep 27 09:50	17° <b>£</b> 11′28		superior conj	7866 Feb 20 18:48	3° <b>)</b> 18′10	-0°33'31
				=			

minimum elong	7866 Feb 20 10:51	2° <b>∺</b> 53'16	0°33'05	direct	7868 Aug 10 00:52	25° <b>©</b> 44'25	
	7866 Mar 14 01:56	$0^{\circ}\mathbf{\Upsilon}$		greatest brilliancy	7868 Aug 19 18:21	27°528'20	-4.8m
evening rise	7866 Apr 02 00:08	23° <b>Y</b> 46'07			7868 Aug 25 16:56	$0$ $^{\circ}$ $\Omega$	
	7866 Apr 06 23:13	$0^{\circ}$ 8		morning max el	7868 Sep 27 21:20	25° <b>Ω</b> 44'12	45°46'06
	7866 Apr 30 21:18	$\Pi^{\circ}0$			7868 Oct 02 06:45	O° My	
	7866 May 24 22:44	0ಂತ			7868 Oct 30 19:01	0 <b>்⊽</b>	
asc. node	7866 May 30 14:25	7° <b>5</b> 00'40		asc. node	7868 Nov 14 10:50	16° <b>≏</b> 28'31	
	7866 Jun 18 06:10	$0^{\circ}\Omega$			7868 Nov 26 04:09	0°M₊	
	7866 Jul 12 22:43	0° <b>m</b>			7868 Dec 21 12:10	0° <b>∡</b> ″	
	7866 Aug 07 05:46	0∘ <b>ত</b>			7869 Jan 15 05:32	0°る	
	7866 Sep 02 14:57	0°M			7869 Feb 08 13:57	0° <b>≈</b>	
desc. node	7866 Sep 19 08:37	17° <b>M</b> .54'05			7869 Mar 04 16:42	0° <b>)</b> (	
. ,	7866 Oct 01 11:17	0° ⊀ <b>7</b>	45040115	desc. node	7869 Mar 06 03:35	1° <b>)</b> (48'55	
evening max el	7866 Oct 01 20:15	0° ₹21'28		morning set	7869 Mar 27 18:54	28° <b>¥</b> 54'43 0° <b>Ƴ</b>	
greatest brilliancy	7866 Nov 09 22:43	28° <b>メ</b> 23'52 0°る	-4.7m		7869 Mar 28 15:43	0° <b>∀</b>	
rotro aro do	7866 Nov 17 19:41 7866 Nov 19 12:48	0°る03'23			7869 Apr 21 12:40	0.0	
retrograde	7866 Nov 21 05:31	0°03°23 30°R <i>≯</i> 7		gumariar agni	7960 May 07 14:16	20° <b>8</b> 12'03	1926127
ovening set	7866 Dec 06 08:27	30 KX. 24° <b>√</b> 40'27		superior conj minimum elong	7869 May 07 14:16 7869 May 07 18:12	20° <b>8</b> 24'25	
evening set inferior conj	7866 Dec 10 18:18	24 <b>x</b> 40 27 21° <b>x</b> 59'02	6037111	max. Earth dist.	7869 May 09 13:20	20 <b>8</b> 24 23	1.71305 AU
minimum elong	7866 Dec 11 04:21	21° <b>х</b> 43'23		max. Earth dist.	7869 May 15 09:29	0° <b>Ⅱ</b>	1./1303 AU
min. Earth dist.	7866 Dec 11 14:13	21° × 73° 23' 28'00			7869 Jun 08 08:08	0°©	
morning rise	7866 Dec 15 23:51	18° × 48'37	0.20 <del>1</del> 01 A0	evening rise	7869 Jun 16 22:26	10°543'44	
direct	7867 Jan 01 03:20	13°×745'56		asc. node	7869 Jun 27 02:20	23°S22'56	
asc. node	7867 Jan 10 08:27	15° <b>×</b> 13'58		use. Houe	7869 Jul 02 10:13	0° <b>Ω</b>	
greatest brilliancy	7867 Jan 12 06:21	16° <b>х</b> 03'42	-4.8m		7869 Jul 26 16:53	0° <b>m</b> )	
8	7867 Feb 02 22:50	0°る			7869 Aug 20 05:22	0∘ <b>⊽</b>	
morning max el	7867 Feb 20 08:11	16° <b>る</b> 07'52	46°34'34		7869 Sep 14 02:05	0°M	
C	7867 Mar 05 15:05	0° <b>≈</b>			7869 Oct 09 11:17	0° <b>∡</b> ¹	
	7867 Apr 01 05:47	0° <b>∀</b>		desc. node	7869 Oct 16 20:02	8° <b>∡</b> ³32'51	
	7867 Apr 26 12:31	$0^{\circ}\mathbf{\Upsilon}$			7869 Nov 04 16:32	0°రె	
desc. node	7867 May 02 01:59	6° <b>Ƴ</b> 42'50			7869 Dec 02 12:09	0° <b>≈</b>	
	7867 May 21 04:49	0°8		evening max el	7869 Dec 12 17:49	10° <b>≈</b> 13'58	46°09'43
	7867 Jun 14 14:37	$\Pi^{\circ}0$			7870 Jan 04 13:07	0° <b>)</b> €	
	7867 Jul 08 22:20	$0$ $\circ$ $\odot$		greatest brilliancy	7870 Jan 21 11:02	9° <b>升</b> 28′20	-4.8m
	7867 Aug 02 06:07	$0^{\circ}\Omega$		retrograde	7870 Jan 31 04:23	11° <b>∺</b> 13′53	
asc. node	7867 Aug 23 00:25	25° <b>Ω</b> 35'16		asc. node	7870 Feb 06 20:12	10° <b>)</b> €20′21	
morning set	7867 Aug 25 00:58	28° <b>Ω</b> 04'46		evening set	7870 Feb 14 17:49	7° <b>)</b> €05'34	
	7867 Aug 26 14:23	0° <b>m</b> p		inferior conj	7870 Feb 20 21:56	3° <b>¥</b> 28'12	
	7867 Sep 19 22:42	0∘ <b>⊽</b>		minimum elong	7870 Feb 20 14:16	3° <b>)</b> 39′59	
				min. Earth dist.	7870 Feb 20 23:47	3° <b>∺</b> 25′21	0.27055 AU
superior conj	7867 Oct 01 03:02	13° <b>≏</b> 46'39		morning rise	7870 Feb 26 10:18	0° <b>)</b> 11′03	
minimum elong	7867 Sep 30 19:26				7870 Feb 26 18:18	30°R <b>≈</b>	
max. Earth dist.	7867 Oct 01 09:09	14° <b>£</b> 05'31	1.73324 AU	direct	7870 Mar 13 15:10	25°≈37'35	
	7867 Oct 14 06:53	0°M		greatest brilliancy	7870 Mar 23 20:45	27°≈35'33	-4.9m
evening rise	7867 Nov 06 12:05	28°M36'02			7870 Mar 29 06:03	0° <b>)</b> (	46050100
	7867 Nov 07 15:22	0°る		morning max el	7870 May 03 02:55	28° <b>米</b> 29'29 0° <b>Ƴ</b>	46°59'22
daga mada	7867 Dec 02 00:50 7867 Dec 12 17:29	0°る 13° <b>る</b> 08'04		daga mada	7870 May 04 14:40 7870 May 29 13:58	0° γ 26° Υ 56'02	
desc. node	7867 Dec 26 11:29	13 008 04 0°≈		desc. node	7870 May 29 13.38 7870 Jun 01 07:07	0° <b>8</b>	
	7868 Jan 19 23:15	0 <b>≈</b>			7870 Jun 27 04:12	0°II	
	7868 Feb 13 13:00	0° <b>Υ</b>			7870 Jul 27 04:12 7870 Jul 22 08:57	0°©	
	7868 Mar 09 08:25	0°8			7870 Aug 16 06:46	$0 {\circ} \Omega$	
asc. node	7868 Apr 03 17:08	29° <b>8</b> 56'23			7870 Sep 10 00:43	0°m/	
asc. nouc	7868 Apr 03 18:23	0° <b>Ⅱ</b>		asc. node	7870 Sep 10 00:43	11° Mp 32'57	
	7868 Apr 30 16:20	0°©		use. Houe	7870 Oct 04 15:15	0° <b>ರ</b>	
evening max el	7868 May 09 14:27	9° <b>©</b> 13'44	46°49'44		7870 Oct 29 02:17	0° <b>m</b>	
	7868 Jun 01 18:23	0°Ω		morning set	7870 Nov 01 16:21	4° <b>M</b> 24'47	
greatest brilliancy	7868 Jun 18 02:16	9° <b>Ω</b> 35'17	-4.8m	<i>5</i>	7870 Nov 22 10:21	0° <b>∡</b> 7	
retrograde	7868 Jun 28 21:34	11° <b>Ω</b> 44'56		max. Earth dist.	7870 Dec 06 07:44	17° <b>∡</b> 10'31	1.72895 AU
evening set	7868 Jul 13 20:41	7° <b>Ω</b> 20'04					
inferior conj	7868 Jul 19 23:25	3° <b>Ω</b> 40'37	1°07'25	superior conj	7870 Dec 08 08:38	19° <b>∡</b> ⁴41'45	1°07'10
minimum elong	7868 Jul 20 01:58	3° <b>£</b> 36'40		minimum elong	7870 Dec 08 18:08	20° <b>∡</b> 11'12	1°07'00
min. Earth dist.	7868 Jul 19 14:08	3° <b>£</b> 55′02	0.27829 AU	-	7870 Dec 16 16:24	0°ರ	
desc. node	7868 Jul 24 11:29	0° <b>Ω</b> 57'06		desc. node	7871 Jan 09 05:30	29° <b>る</b> 11'39	
morning rise	7868 Jul 26 07:58	29° <b>©</b> 55'13			7871 Jan 09 21:05	0° <b>≈</b>	
	7868 Jul 26 04:25	30° <b>₹</b> 5		evening rise	7871 Jan 15 13:26	7° <b>≈</b> 03'11	

						0	
	7871 Feb 03 00:32	0° <b>∀</b>			7873 Aug 28 09:04	$0$ $^{\circ}$ $\Omega$	
	7871 Feb 27 02:55	$0^{\circ}$ Y			7873 Sep 23 07:46	0° <b>™</b>	
	7871 Mar 23 05:34	0°8		asc. node	7873 Oct 17 00:41	28° Mp 03'39	
	7871 Apr 16 11:25	$\Pi^{\circ}0$			7873 Oct 18 15:38	0₀ <b>ಹ</b>	
asc. node	7871 May 02 04:40	19° <b>Ⅱ</b> 15′06			7873 Nov 12 12:51	0°M	
	7871 May 11 01:18	$0$ $\circ$ $\odot$			7873 Dec 07 02:03	0°⊀	
	7871 Jun 05 06:42	$0^{\circ}\Omega$			7873 Dec 31 09:37	0°₹	
	7871 Jul 01 18:55	0° mp		morning set	7874 Jan 10 00:24	11° <b>る</b> 55'19	
evening max el	7871 Jul 20 12:49	19° <b>m</b> 30'24	46°03'11		7874 Jan 24 13:20	0° <b>≈</b>	
	7871 Jul 31 17:23	0∘ <b>ऌ</b>		desc. node	7874 Feb 05 17:29	15° <b>≈</b> 10'45	
desc. node	7871 Aug 21 23:08	15° <b>≏</b> 36'20		max. Earth dist.	7874 Feb 15 10:26		1.71702 AU
greatest brilliancy	7871 Aug 28 03:06	18° <b>≏</b> 27'12	-4.8m		7874 Feb 17 14:09	0° <b>∀</b>	
retrograde	7871 Sep 07 23:25	20° <b>≏</b> 36'18					
evening set	7871 Sep 24 22:57	15° <b>≏</b> 07'05		superior conj	7874 Feb 18 06:52	0° <b>¥</b> 52'17	
min. Earth dist.	7871 Sep 29 02:40	12° <b>≏</b> 34'22	0.29064 AU	minimum elong	7874 Feb 17 23:41	0° <b>∺</b> 29'50	0°29'31
inferior conj	7871 Sep 29 13:00	12° <b>≏</b> 18'09			7874 Mar 13 12:40	$0$ ° $\mathbf{\Upsilon}$	
minimum elong	7871 Sep 29 04:33	12° <b>£</b> 31'25	7°34'12	evening rise	7874 Mar 30 11:03	21° <b>Υ</b> 15'45	
morning rise	7871 Oct 03 10:15	9° <b>£</b> 54'03			7874 Apr 06 10:01	$9^{\circ}$ 8	
direct	7871 Oct 21 00:32	4° <b>ჲ</b> 03'06			7874 Apr 30 08:14	$\Pi$ $^{\circ}0$	
greatest brilliancy	7871 Oct 31 04:10	5° <b>≏</b> 54'21	-4.7m		7874 May 24 09:51	$0$ $\circ$ $\odot$	
	7871 Dec 04 12:54	0° <b>M</b>		asc. node	7874 May 29 16:29	6° <b>©</b> 32'31	
morning max el	7871 Dec 09 00:02	4° <b>ጤ</b> 14'50	45°50'08		7874 Jun 17 17:34	$0^{\circ}\Omega$	
asc. node	7871 Dec 12 22:44	8°M07'43			7874 Jul 12 10:41	0° <b>т</b> р	
	7872 Jan 02 16:42	0° <b>∡</b> ¹			7874 Aug 06 18:49	0₀ <b>ಹ</b>	
	7872 Jan 28 23:56	0°ಕ			7874 Sep 02 06:22	0°M₊	
	7872 Feb 23 03:22	0° <b>≈</b>		desc. node	7874 Sep 18 10:32	17°M11'40	
	7872 Mar 18 16:44	0° <b>∺</b>		evening max el	7874 Sep 29 11:50	28°M11'00	45°40'09
desc. node	7872 Apr 02 15:46	18° <b>¥</b> 29'17			7874 Oct 01 09:43	0° <b>⊼</b>	4.5
	7872 Apr 11 22:12	0° <b>Υ</b>		greatest brilliancy	7874 Nov 07 13:22	26° <b>₹</b> 12'23	-4.7m
	7872 May 05 23:21	0° <b>X</b>		retrograde	7874 Nov 17 03:35	27° 🖈 51'47	
	7872 May 29 22:59	0°II		evening set	7874 Dec 04 02:43	22° 🖈 24'36	6050120
morning set	7872 Jun 11 12:31	15° <b>∏</b> 42'15 0° <b>©</b>		inferior conj	7874 Dec 08 09:49	19° 🖈 46'49	
	7872 Jun 22 23:22 7872 Jul 17 01:52	0° <b>U</b>		minimum elong	7874 Dec 08 19:41	19° 🗷 31'23	6°48'41 0.28535 AU
	/8/2 Jul 1/ 01.32	0 36		min. Earth dist.	7874 Dec 09 05:11 7874 Dec 13 12:20	19° <b>₹</b> 16'33 16° <b>₹</b> 40'21	0.28333 AU
superior conj	7872 Jul 20 10:23	4° <b>Ω</b> 09'56	0°10'06	morning rise direct	7874 Dec 29 19:32	11° <b>х</b> 33'19	
minimum elong	7872 Jul 20 10:23	4° <b>Ω</b> 17'19		asc. node	7874 Dec 29 19:32 7875 Jan 09 10:27	13° <b>х</b> 39'06	
behind sun begin	7872 Jul 19 17:47	3° <b>Ω</b> 18'22	0 10 03	greatest brilliancy	7875 Jan 09 21:32	13° <b>х</b> 3700	-4.8m
behind sun end	7872 Jul 21 07:45	5° <b>Ω</b> 16'15		greatest offinaley	7875 Feb 03 05:45	0°중	-4.0111
max. Earth dist.	7872 Jul 23 06:39		1.72517 AU	morning max el	7875 Feb 17 22:45	13° <b>云</b> 49'57	46°32'49
asc. node	7872 Jul 24 14:19	9° <b>Ω</b> 19'54	1.72317110	morning max or	7875 Mar 05 08:49	0°≈	10 32 17
use. noue	7872 Aug 10 06:53	0° <b>m</b> )			7875 Mar 31 20:07	0° <b>∀</b>	
evening rise	7872 Aug 27 03:28	20° m/49'00			7875 Apr 26 01:22	0°Υ	
<i>8</i>	7872 Sep 03 14:24	$0$ ° $\overline{\mathbf{v}}$		desc. node	7875 May 01 03:58	6° <b>Y</b> 10′32	
	7872 Sep 28 00:52	0°M			7875 May 20 16:50	0°8	
	7872 Oct 22 15:31	0° <b>≯</b> 7			7875 Jun 14 02:06	$\Pi^{\circ}0$	
desc. node	7872 Nov 13 07:45	26° <b>⊀</b> 11′23			7875 Jul 08 09:25	0°©	
	7872 Nov 16 11:50	ರ∘ರ			7875 Aug 01 16:54	$0^{\circ}\Omega$	
	7872 Dec 11 15:17	0° <b>≈</b>		asc. node	7875 Aug 22 02:17	25° <b>Ω</b> 08'19	
	7873 Jan 06 04:55	0° <b>∀</b>		morning set	7875 Aug 22 17:24	25° <b>Ω</b> 54'54	
	7873 Feb 01 14:35	$0$ ° $\Upsilon$			7875 Aug 26 00:58	0° <b>m</b> ∤	
evening max el	7873 Feb 23 12:01	23° <b>Y</b> 15'01	46°54'59		7875 Sep 19 09:11	0∘ <b>ত</b>	
	7873 Mar 02 09:14	$0^{\circ}S$					
asc. node	7873 Mar 06 07:40	3° <b>8</b> 41'04		superior conj	7875 Sep 28 20:42	11° <b>≙</b> 40'58	1°15'01
greatest brilliancy	7873 Apr 05 04:44	24° <b>8</b> 21'00	-4.9m	minimum elong	7875 Sep 28 12:42	11° <b>≏</b> 16'19	
retrograde	7873 Apr 15 01:08	26° <b>8</b> 11'51		max. Earth dist.	7875 Sep 29 04:14		1.73314 AU
evening set	7873 May 03 04:59	19° <b>8</b> 53'01			7875 Oct 13 17:21	0°M₊	
inferior conj	7873 May 05 17:23	18° <b>8</b> 20'44	9°06'15	evening rise	7875 Nov 04 05:23	26°M29'01	
minimum elong	7873 May 05 20:26	18° <b>8</b> 16'03	9°06'00		7875 Nov 07 01:56	0° <b>∡</b>	
min. Earth dist.	7873 May 05 14:58	18° <b>8</b> 24'27	0.27165 AU	1 1	7875 Dec 01 11:34	0°る	
morning rise	7873 May 08 11:56	16° <b>8</b> 39'21		desc. node	7875 Dec 11 19:35	12°る41'09	
direct	7873 May 26 08:47	10° <b>8</b> 33'01	4.0		7875 Dec 25 22:31	0° <b>≈</b> 0° <b>升</b>	
greatest brilliancy desc. node	7873 Jun 04 22:15 7873 Jun 26 01:50	12° <b>8</b> 16'46 25° <b>8</b> 03'09	-4.9m		7876 Jan 19 10:45 7876 Feb 13 01:11	0° <del>Υ</del>	
ucsc. Hout	7873 Jul 01 23:25	0° <b>Ⅱ</b>			7876 Mar 08 21:39	0° <b>∀</b>	
morning max el	7873 Jul 01 23:23 7873 Jul 15 09:39	12° <b>Ⅱ</b> 32'44	46°27'58	asc. node	7876 Apr 02 19:01	29° <b>8</b> 18'19	
morning max ci	7873 Jul 13 09:39 7873 Aug 01 07:23	0°95	10 2/ 30	use. 11000	7876 Apr 03 09:29	0°II	
	.0,51145 01 07.23	· —			.0,011p1 03 07.27	~ <del>~</del>	

	7876 Apr 30 11:56	0° <b>©</b>			7878 Oct 04 02:08	0∘ <b>⊽</b>	
evening max el	7876 May 07 04:31	6° <b>©</b> 52'49	46°50'51		7878 Oct 28 12:59	0°M	
	7876 Jun 02 13:23	0°N		morning set	7878 Oct 30 09:34	2°M17'10	
greatest brilliancy	7876 Jun 15 18:56	7° <b>Ω</b> 19'23	-4.8m	, , , , , , , , , , , , , , , , , , ,	7878 Nov 21 20:59	0° <b>∡</b> 7	
retrograde	7876 Jun 26 11:55	9° <b>Ω</b> 27'11		max. Earth dist.	7878 Dec 04 03:47	15° <b>√</b> 11'04	1.72929 AU
evening set	7876 Jul 11 12:47	5° <b>Ω</b> 01'00					
min. Earth dist.	7876 Jul 17 05:42	1° <b>Ω</b> 36′38	0.27786 AU	superior conj	7878 Dec 06 01:02	17° <b>∡</b> ³31′00	1°09'13
inferior conj	7876 Jul 17 13:57	1° <b>Ω</b> 23'49	1°29'32	minimum elong	7878 Dec 06 10:20	17° <b>∡</b> ¹59'46	1°09'04
minimum elong	7876 Jul 17 17:19	1° <b>Ω</b> 18'35	1°28'22		7878 Dec 16 03:05	8°0	
	7876 Jul 19 20:16	30° <b>₹</b> 5		desc. node	7879 Jan 08 07:26	28° <b>る</b> 44'04	
morning rise	7876 Jul 23 22:30	27° <b>5</b> 38'07			7879 Jan 09 07:54	0° <b>≈</b>	
desc. node	7876 Jul 23 13:26	27° <b>©</b> 50'22		evening rise	7879 Jan 13 04:02	4° <b>≈</b> 45'50	
direct	7876 Aug 07 14:41	23° <b>©</b> 28'13			7879 Feb 02 11:32	0° <b>∀</b>	
greatest brilliancy	7876 Aug 17 08:54	25° <b>©</b> 12'27	-4.8m		7879 Feb 26 14:08	0° <b>Υ</b>	
	7876 Aug 27 09:58	$0^{\circ}\Omega$			7879 Mar 22 17:03	0°8	
morning max el	7876 Sep 25 10:51	23° <b>Ω</b> 27'34	45°46'54		7879 Apr 15 23:20	0°II	
	7876 Oct 02 03:19	0° <b>m</b>		asc. node	7879 May 01 06:46	18° <b>Ⅱ</b> 43'53	
,	7876 Oct 30 09:59	0∘ <b>ʊ</b>			7879 May 10 13:57	0°©	
asc. node	7876 Nov 13 12:52	15° <b>≏</b> 55'26 0° <b>M</b>			7879 Jun 04 20:45 7879 Jul 01 12:05	0° <b>N</b>	
	7876 Nov 25 17:00 7876 Dec 20 24:00	0°111℃ 0° <b>√</b> 7		evening max el	7879 Jul 18 04:36	0° <b>Т</b> р 17° <b>Тр</b> 17'33	46°04'44
	7877 Jan 14 16:49	0°중		evening max er	7879 Jul 31 21:55	0° <b>⊽</b>	40 04 44
	7877 Feb 08 00:57	0°≈		desc. node	7879 Aug 21 01:04	0 <b>=</b> 14° <b>£</b> 09'58	
	7877 Mar 04 03:34	0° <b>∺</b>		greatest brilliancy	7879 Aug 21 01:04 7879 Aug 25 17:50	14° <b>⊆</b> 0938	-4 8m
desc. node	7877 Mar 05 05:30	1° <b>∺</b> 20′59		retrograde	7879 Sep 05 16:21	18° <b>≏</b> 26'22	4.0111
morning set	7877 Mar 25 05:28	26° <b>)</b> (23'19		evening set	7879 Sep 22 11:57	13° <b>⊆</b> 01'33	
morning sec	7877 Mar 28 02:32	0°Υ		min. Earth dist.	7879 Sep 26 17:39	10° <b>Ω</b> 26'09	0.29039 AU
	7877 Apr 20 23:29	0°8		inferior conj	7879 Sep 27 05:10	10° <b>Ω</b> 08'05	
	1	_		minimum elong	7879 Sep 26 20:21	10° <b>≏</b> 21'55	7°24'18
superior conj	7877 May 05 01:34	17° <b>8</b> 42'50	-1°27'01	morning rise	7879 Oct 01 04:53	7° <b>Ω</b> 40'39	
minimum elong	7877 May 05 04:27	17° <b>8</b> 51'54	1°27'06	direct	7879 Oct 18 16:43	1° <b>≏</b> 53'31	
max. Earth dist.	7877 May 06 16:17	19° <b>8</b> 44'29	1.71285 AU	greatest brilliancy	7879 Oct 28 19:08	3° <b>≏</b> 44'06	-4.7m
	7877 May 14 20:17	$\Pi^{\circ}0$			7879 Dec 04 12:18	$0^{\circ}$ M	
	7877 Jun 07 18:56	$0$ $\circ$ $\odot$		morning max el	7879 Dec 06 16:11	2°M04'29	45°49'09
evening rise	7877 Jun 14 10:37	8°9518'21		asc. node	7879 Dec 12 00:47	7° <b>M</b> 21'54	
asc. node	7877 Jun 26 04:19	22° <b>©</b> 55'26			7880 Jan 02 08:36	0° <b>∡</b> ¹	
	7877 Jul 01 21:05	$0 ^{\circ} \Omega$			7880 Jan 28 13:24	0°ಕ	
	7877 Jul 26 03:52	0° <b>™</b>			7880 Feb 22 15:46	0° <b>≈</b>	
	7877 Aug 19 16:39	0∘ <b>ত</b>			7880 Mar 18 04:33	0° <b>∀</b>	
	7877 Sep 13 13:55	0°M		desc. node	7880 Apr 01 17:45	17° <b>)</b> € 59'37	
	7877 Oct 09 00:08	0° <b>∡</b> 7			7880 Apr 11 09:39	0° <b>Υ</b>	
desc. node	7877 Oct 15 22:02	8° <b>≯</b> 00'16			7880 May 05 10:32	8°0	
	7877 Nov 04 07:26	5°0		. ,	7880 May 29 09:58	0° <b>П</b>	
arranina marral	7877 Dec 02 08:00	0° <b>≈</b> 7° <b>≈</b> 53'41	46°08'11	morning set	7880 Jun 09 01:50	13° <b>Ⅱ</b> 19'43 0° <b>©</b>	
evening max el	7877 Dec 10 06:56 7878 Jan 05 10:57	/ ≈3341 0° <b>)</b> {	40 08 11		7880 Jun 22 10:14 7880 Jul 16 12:41	0°Ω	
greatest brilliancy	7878 Jan 19 00:32	0 X 7° <b>∺</b> 06'17	-4.8m		7000 Jul 10 12.41	0 86	
retrograde	7878 Jan 28 17:25	8° <b>H</b> 51'43	7.0111	superior conj	7880 Jul 18 01:11	1° <b>Ω</b> 53'21	-0°13'37
asc. node	7878 Feb 05 22:05	7° <b>)</b> € 30′24		minimum elong	7880 Jul 18 04:23	2°Ω03'18	
evening set	7878 Feb 12 05:54	4° <b>)(</b> 44'21		behind sun begin	7880 Jul 17 15:17	1° <b>Ω</b> 22'37	-
inferior conj	7878 Feb 18 11:16	1° <b>)</b> €05'38	3°10'08	behind sun end	7880 Jul 18 17:29	2° <b>Ω</b> 43'58	
minimum elong	7878 Feb 18 04:18	1° <b>)</b> 16′20	3°08'05	max. Earth dist.	7880 Jul 21 00:04	5° <b>Ω</b> 33'22	1.72478 AU
min. Earth dist.	7878 Feb 18 14:13	1° <b>)</b> €01'07	0.27079 AU	asc. node	7880 Jul 23 16:11	8° <b>£</b> 52′13	
	7878 Feb 20 06:07	30° <b>R</b> ≈			7880 Aug 09 17:40	0° <b>m</b>	
morning rise	7878 Feb 24 02:14	27° <b>≈</b> 45′04		evening rise	7880 Aug 24 20:33	18° Mp 40'23	
direct	7878 Mar 11 04:31	23° <b>≈</b> 14'13			7880 Sep 03 01:14	0∘ <b>ত</b>	
greatest brilliancy	7878 Mar 21 12:07	25° <b>≈</b> 14′09	-4.9m		7880 Sep 27 11:52	$0^{\circ}$ M	
	7878 Mar 30 23:56	0° <b>∀</b>			7880 Oct 22 02:52	0° <b>∡</b>	
morning max el	7878 Apr 30 16:46	26° <b>)</b> €06'48	46°59'30	desc. node	7880 Nov 12 09:48	25° <b>∡</b> '41'59	
	7878 May 04 12:13	0°Υ			7880 Nov 15 23:44	ರಿಂತ	
desc. node	7878 May 28 16:06	26° <b>Y</b> 16′13			7880 Dec 11 04:07	0° <b>≈</b>	
	7878 May 31 22:59	8°0			7881 Jan 05 19:19	0° <b>)</b> €	
	7878 Jun 26 17:50	0° <b>Ⅱ</b>		i	7881 Feb 01 08:06	0°Υ 20°W52120	46050150
	7878 Jul 21 21:24	0.ಲ		evening max el	7881 Feb 21 02:41	20° <b>Y</b> 53'39	46°53'58
	7878 Aug 15 18:28	0° <b>Ω</b>		aga mada	7881 Mar 02 12:09	0°8	
asc. node	7878 Sep 09 11:56 7878 Sep 18 14:29	0° <b>Т</b> ф 11° <b>Тр</b> 05'19		asc. node greatest brilliancy	7881 Mar 05 09:39 7881 Apr 02 17:28	2° <b>8</b> 39'12 21° <b>8</b> 54'34	-4 9m
asc. noue	1010 Sep 10 14.29	11 און 11		greatest billiancy	7001 Apr 02 17.28	21 004 34	-7.7111

ratragrada	7881 Apr 12 14:45	23° <b>8</b> 45'38		max. Earth dist.	7883 Sep 26 22:29	9° <b>ჲ</b> 59'21	1.73305 AU
retrograde evening set	7881 Apr 30 18:37	17° <b>8</b> 26'10		max. Earth dist.	7883 Oct 13 04:09	9 <b>=</b> 3921 0° <b>M</b>	1.73303 AU
inferior conj	7881 May 03 06:17	15° <b>8</b> 54'52	9°09'05	evening rise	7883 Nov 01 22:46	24°M21'19	
minimum elong	7881 May 03 08:23	15° <b>8</b> 51'38	9°08'56	evening rise	7883 Nov 06 12:50	0° <b>x</b> <sup>7</sup>	
min. Earth dist.	7881 May 03 03:03	15° <b>8</b> 59'50	0.27148 AU		7883 Nov 30 22:42	0°ਰ	
morning rise	7881 May 05 22:13	14° <b>8</b> 17'21	0.27110110	desc. node	7883 Dec 10 21:29	12° <b>る</b> 12'26	
direct	7881 May 23 22:09	8° <b>8</b> 07'39		desc. node	7883 Dec 25 09:58	0° <b>≈</b>	
greatest brilliancy	7881 Jun 02 09:56	9° <b>8</b> 50'11	-4.9m		7884 Jan 18 22:40	0° <b>∀</b>	
desc. node	7881 Jun 25 03:43	23° <b>8</b> 53'37			7884 Feb 12 13:46	0°Υ	
	7881 Jul 02 05:21	$\Pi^{\circ}0$			7884 Mar 08 11:18	0°8	
morning max el	7881 Jul 12 23:30	10° <b>Ⅱ</b> 11'41	46°29'35	asc. node	7884 Apr 01 21:06	28° <b>8</b> 39'36	
-	7881 Aug 01 01:21	0°€			7884 Apr 03 01:07	$\Pi$ $^{\circ}0$	
	7881 Aug 27 23:30	$0^{\circ}\Omega$			7884 Apr 30 08:30	$0$ $\circ$ $\odot$	
	7881 Sep 22 20:33	0° <b>m</b>		evening max el	7884 May 04 17:37	4° <b>5</b> 28'28	46°51'56
asc. node	7881 Oct 16 02:43	27° <b>m</b> 34'05			7884 Jun 03 15:57	$0^{\circ}\Omega$	
	7881 Oct 18 03:31	0 <b>∘</b> ⊽		greatest brilliancy	7884 Jun 13 11:27	5° <b>Ω</b> 02'04	-4.8m
	7881 Nov 12 00:13	$0^{\circ}$ M,		retrograde	7884 Jun 24 02:16	7° <b>Ω</b> 08′26	
	7881 Dec 06 13:08	0° <b>∡</b> ¹		evening set	7884 Jul 09 04:57	2° <b>Ω</b> 40′18	
	7881 Dec 30 20:35	0°ප			7884 Jul 13 17:29	30° <b>₹</b> 5	
morning set	7882 Jan 07 15:26	9° <b>ට</b> 39'11		inferior conj	7884 Jul 15 04:26	29° <b>©</b> 05'48	1°51'33
	7882 Jan 24 00:16	0° <b>≈</b>		minimum elong	7884 Jul 15 08:36	28° <b>©</b> 59'19	1°50'08
desc. node	7882 Feb 04 19:20	14° <b>≈</b> 42′23		min. Earth dist.	7884 Jul 14 21:19	29° <b>©</b> 16'52	0.27748 AU
max. Earth dist.	7882 Feb 12 19:54	24° <b>≈</b> 43'38	1.71743 AU	morning rise	7884 Jul 21 12:47	25° <b>©</b> 20'14	
				desc. node	7884 Jul 22 15:23	24° <b>©</b> 45'29	
superior conj	7882 Feb 15 19:10	28° <b>≈</b> 26′21		direct	7884 Aug 05 04:06	21° <b>©</b> 10'35	
minimum elong	7882 Feb 15 12:48	28° <b>≈</b> 06′28	0°25'57	greatest brilliancy	7884 Aug 14 23:42	22° <b>©</b> 55'44	-4.8m
	7882 Feb 17 01:07	0° <b>∀</b>			7884 Aug 28 14:55	$0$ $\circ$ $\Omega$	
	7882 Mar 12 23:42	0° <b>Υ</b>		morning max el	7884 Sep 23 00:48	21° <b>Ω</b> 11'00	45°47'54
evening rise	7882 Mar 27 22:12	18° <b>Ƴ</b> 45'04			7884 Oct 01 23:32	0° <b>m</b> )	
	7882 Apr 05 21:10	0° <b>8</b>		_	7884 Oct 30 01:01	0∘ <b>ত</b>	
	7882 Apr 29 19:31	0° <b>I</b>		asc. node	7884 Nov 12 14:52	15° <b>Ω</b> 21'45	
	7882 May 23 21:18	0.20 0.20			7884 Nov 25 06:01	0°M	
asc. node	7882 May 28 18:27	6° <b>©</b> 02'57			7884 Dec 20 12:03	0° <b>∡</b> 7	
	7882 Jun 17 05:19	$\Omega^{\circ}\Omega$			7885 Jan 14 04:23	0°る	
	7882 Jul 11 23:00	0° <b>m</b>			7885 Feb 07 12:16	0° <b>≈</b>	
	7882 Aug 06 08:17	0∘ <b>m</b>		daga mada	7885 Mar 03 14:45	0° <b>)</b> (	
desc. node	7882 Sep 01 22:24	0° <b>ጤ</b> 16° <b>ጤ</b> 27'53		desc. node morning set	7885 Mar 04 07:34 7885 Mar 22 15:51	0° <b>¥</b> 52'30 23° <b>¥</b> 50'27	
evening max el	7882 Sep 17 12:33 7882 Sep 27 02:34	25°M57'15	45°20'55	morning set	7885 Mar 27 13:39	23 <b>χ</b> 3027 0° <b>Υ</b>	
evening max er	7882 Oct 01 09:41	23 II <b>c</b> 37 13 0° <b>√</b> 7	45 39 55		7885 Apr 20 10:32	%8 0°B	
greatest brilliancy	7882 Nov 05 04:33	24° <b>₹</b> 100'11	-4.7m		7883 Apr 20 10.32	00	
retrograde	7882 Nov 14 18:04	25° <b>₹</b> 39'08	- <del>4</del> ./III	superior conj	7885 May 02 12:38	15° <b>8</b> 12'10	-1°27'24
evening set	7882 Dec 01 20:56	20°×707'38		minimum elong	7885 May 02 14:27	15° <b>8</b> 17'54	
inferior conj	7882 Dec 06 01:22	17° 🗷 33'36	-7°02'49	max. Earth dist.	7885 May 03 19:55	16° <b>8</b> 50'30	
minimum elong	7882 Dec 06 11:02		7°00'59	man. Darin digi.	7885 May 14 07:18	0° <b>Ⅱ</b>	1.,120,110
min. Earth dist.	7882 Dec 06 20:30	17° <b>∡</b> 03'38	0.28587 AU		7885 Jun 07 05:58	0°®	
morning rise	7882 Dec 11 00:46	14° <b>≯</b> 31'12		evening rise	7885 Jun 11 22:42	5° <b>9</b> 51'54	
direct	7882 Dec 27 11:15	9° <b>х</b> 19′34		asc. node	7885 Jun 25 06:13	22° <b>©</b> 26'52	
greatest brilliancy	7883 Jan 07 13:15	11° <b>₹</b> ³35'19	-4.8m		7885 Jul 01 08:10	$0^{\circ}\Omega$	
asc. node	7883 Jan 08 12:20	11° <b>∡</b> ¹58'38			7885 Jul 25 15:07	0° <b>™</b>	
	7883 Feb 03 11:01	8°0			7885 Aug 19 04:11	0∘ <u>⊽</u>	
morning max el	7883 Feb 15 12:38	11° <b>る</b> 29'16	46°31'11		7885 Sep 13 02:01	$0^{\circ}$ M	
	7883 Mar 05 02:31	0° <b>≈</b>			7885 Oct 08 13:17	0° <b>∡</b> 7	
	7883 Mar 31 10:38	0° <b>∀</b>		desc. node	7885 Oct 15 00:07	7° <b>∡</b> ¹27'12	
	7883 Apr 25 14:26	$0$ ° $\Upsilon$			7885 Nov 03 22:44	ರ°0	
desc. node	7883 Apr 30 06:00	5° <b>Ƴ</b> 37'40			7885 Dec 02 04:45	0°≈	
	7883 May 20 05:07	$9^{\circ}$ 8		evening max el	7885 Dec 07 20:35	5° <b>≈</b> 34'20	46°06'34
	7883 Jun 13 13:53	$\Pi^{\circ}0$			7886 Jan 06 17:46	0° <b>∀</b>	
	7883 Jul 07 20:49	0∘ <b>©</b>		greatest brilliancy	7886 Jan 16 13:17	4° <b>)</b> 42'30	-4.8m
	7883 Aug 01 04:00	$0$ $^{\circ}\Omega$		retrograde	7886 Jan 26 06:46	6° <b>¥</b> 28'16	
morning set	7883 Aug 20 09:54	23° <b>Ω</b> 44'11		asc. node	7886 Feb 05 00:07	4° <b>)</b> 33′36	
asc. node	7883 Aug 21 04:16	24° <b>Ω</b> 40'48		evening set	7886 Feb 09 18:01	2° <b>∺</b> 21'33	
	7883 Aug 25 11:51	0° <b>т</b> р			7886 Feb 13 20:57	30°R≈	
	7883 Sep 18 19:58	0∘ <b>⊽</b>		inferior conj	7886 Feb 16 00:22	28°≈41'38	
	#000 G . ** : : :	00.00	1010155	minimum elong	7886 Feb 15 18:09	28°≈51'10	
superior conj	7883 Sep 26 14:29	9° <b>£</b> 34'43		min. Earth dist.	7886 Feb 16 04:10	28°≈35'49	0.27108 AU
minimum elong	7883 Sep 26 06:09	9° <b>ഫ</b> 09'01	1~13'12	morning rise	7886 Feb 21 17:50	25°≈17'55	

direct	7886 Mar 08 18:10	20° <b>≈</b> 49'27			7888 Sep 02 11:58	0∘ <b>ত</b>	
greatest brilliancy	7886 Mar 19 02:52	20°≈50'49	-4.9m		7888 Sep 26 22:48	o° <b>m</b>	
greatest offinancy	7886 Apr 01 05:27	0° <b>∀</b>	4.7111		7888 Oct 21 14:08	0° <b>⊼</b> 7	
morning max el	7886 Apr 28 07:29	23° <b>)</b> 45'27	46°59'37	desc. node	7888 Nov 11 11:43	25° 🗷 12'30	
morning max er	7886 May 04 09:20	0°Υ	10 3737	dese. Hode	7888 Nov 15 11:35	0°る	
desc. node	7886 May 27 18:00	25° <b>Υ</b> 35'34			7888 Dec 10 16:53	0° <b>≈</b>	
dese. node	7886 May 31 14:49	0°8			7889 Jan 05 09:39	0° <b>)</b> €	
	7886 Jun 26 07:30	0° <b>I</b>			7889 Feb 01 01:43	0°Υ	
	7886 Jul 21 09:54	0°50		evening max el	7889 Feb 18 16:52	18° <b>Ƴ</b> 31'47	46°52'45
	7886 Aug 15 06:14	$0^{\circ}\Omega$		<b>3</b>	7889 Mar 02 16:26	0°8	
	7886 Sep 08 23:14	0° m)		asc. node	7889 Mar 04 11:41	1° <b>8</b> 36'41	
asc. node	7886 Sep 17 16:31	10° <b>m</b> ) 37'30		greatest brilliancy	7889 Mar 31 06:37	19° <b>8</b> 29'09	-4.9m
	7886 Oct 03 13:07	0∘ <b>ত</b>		retrograde	7889 Apr 10 03:44	21° <b>8</b> 19'41	
	7886 Oct 27 23:46	0°M		evening set	7889 Apr 28 07:38	15° <b>8</b> 00'42	
morning set	7886 Oct 28 03:00	0° <b>™</b> 09'55		inferior conj	7889 Apr 30 19:10	13° <b>8</b> 29'26	9°10'55
_	7886 Nov 21 07:42	0° <b>∡</b> ¹		minimum elong	7889 Apr 30 20:16	13° <b>8</b> 27'44	9°10'49
max. Earth dist.	7886 Dec 02 00:35	13° <b>∡</b> 13'43	1.72958 AU	min. Earth dist.	7889 Apr 30 15:24	13° <b>8</b> 35'13	0.27135 AU
				morning rise	7889 May 03 08:59	11° <b>8</b> 54'56	
superior conj	7886 Dec 03 17:43	15° <b>∡</b> ¹20'57	1°11'09	direct	7889 May 21 11:10	5° <b>8</b> 42'37	
minimum elong	7886 Dec 04 02:44	15° <b>∡</b> ¹48'50	1°11'01	greatest brilliancy	7889 May 30 22:10	7° <b>8</b> 24'18	-4.9m
	7886 Dec 15 13:50	0°ප		desc. node	7889 Jun 24 05:42	22° <b>8</b> 46'28	
desc. node	7887 Jan 07 09:23	28° <b>ප</b> 16'22			7889 Jul 02 09:14	$\Pi^{\circ}0$	
	7887 Jan 08 18:48	0° <b>≈</b>		morning max el	7889 Jul 10 12:27	7° <b>Ⅱ</b> 48'25	46°31'08
evening rise	7887 Jan 10 18:50	2° <b>≈</b> 29'00			7889 Jul 31 18:47	$0$ $\circ$ $\mathfrak{S}$	
	7887 Feb 01 22:37	0° <b>)</b> €			7889 Aug 27 13:37	$0^{\circ}\Omega$	
	7887 Feb 26 01:28	$0$ ° $\Upsilon$			7889 Sep 22 09:02	o° mp	
	7887 Mar 22 04:41	0° <b>႘</b>		asc. node	7889 Oct 15 04:39	27° <b>m</b> 05'04	
	7887 Apr 15 11:26	$\Pi$ $^{\circ}0$			7889 Oct 17 15:06	0∘ <b>⊽</b>	
asc. node	7887 Apr 30 08:41	18° <b>Ⅱ</b> 11'41			7889 Nov 11 11:17	$0^{\circ}$ M	
	7887 May 10 02:48	$0$ $\circ$ $\odot$			7889 Dec 05 23:58	0° <b>∡</b> ¹	
	7887 Jun 04 11:01	$0^{\circ}\Omega$			7889 Dec 30 07:18	8°0	
	7887 Jul 01 05:41	O° Mp		morning set	7890 Jan 05 06:41	7° <b>る</b> 24'25	
evening max el	7887 Jul 15 20:56	15° Mp 05'56	46°06'23		7890 Jan 23 10:57	0° <b>≈</b>	
	7007 Aug 01 04.24	0∘ <b>ত</b>				1.40 1.5140	
	7887 Aug 01 04:34	0 ==		desc. node	7890 Feb 03 21:27	14° <b>≈</b> 15'42	
desc. node	7887 Aug 01 04.34 7887 Aug 20 03:08	12° <b>£</b> 40'49		max. Earth dist.	7890 Feb 03 21:27 7890 Feb 10 05:28	14°≈15'42 22°≈10'15	1.71781 AU
desc. node greatest brilliancy	-		-4.8m				1.71781 AU
	7887 Aug 20 03:08	12° <b>≏</b> 40'49	-4.8m				
greatest brilliancy	7887 Aug 20 03:08 7887 Aug 23 08:48	12° <b>Ω</b> 40'49 14° <b>Ω</b> 03'38 16° <b>Ω</b> 16'00 10° <b>Ω</b> 55'52		max. Earth dist.	7890 Feb 10 05:28	22°≈10'15 26°≈02'43 25°≈45'29	
greatest brilliancy retrograde	7887 Aug 20 03:08 7887 Aug 23 08:48 7887 Sep 03 09:12 7887 Sep 20 00:58 7887 Sep 24 21:16	12° <b>Ω</b> 40'49 14° <b>Ω</b> 03'38 16° <b>Ω</b> 16'00	-7°15'15	max. Earth dist.	7890 Feb 10 05:28 7890 Feb 13 07:52	22°≈10'15 26°≈02'43 25°≈45'29 0°¥	-0°22'41
greatest brilliancy retrograde evening set inferior conj minimum elong	7887 Aug 20 03:08 7887 Aug 23 08:48 7887 Sep 03 09:12 7887 Sep 20 00:58 7887 Sep 24 21:16 7887 Sep 24 12:06	12° \(\Omega\) 40'49 14° \(\Omega\) 03'38 16° \(\Omega\) 16'00 10° \(\Omega\) 55'52 7° \(\Omega\) 57'44 8° \(\Omega\) 12'06	-7°15'15 7°13'47	max. Earth dist. superior conj minimum elong	7890 Feb 10 05:28 7890 Feb 13 07:52 7890 Feb 13 02:21 7890 Feb 16 11:47 7890 Mar 12 10:26	22°≈10'15 26°≈02'43 25°≈45'29 0° 升 0° Υ	-0°22'41
greatest brilliancy retrograde evening set inferior conj minimum elong min. Earth dist.	7887 Aug 20 03:08 7887 Aug 23 08:48 7887 Sep 03 09:12 7887 Sep 20 00:58 7887 Sep 24 21:16 7887 Sep 24 12:06 7887 Sep 24 08:30	12° \( \Omega \) 40'49 14° \( \Omega \) 03'38 16° \( \Omega \) 16'00 10° \( \Omega \) 55'52 7° \( \Omega \) 57'44 8° \( \Omega \) 12'06 8° \( \Omega \) 17'45	-7°15'15	max. Earth dist.	7890 Feb 10 05:28 7890 Feb 13 07:52 7890 Feb 13 02:21 7890 Feb 16 11:47 7890 Mar 12 10:26 7890 Mar 25 09:43	22°≈10'15 26°≈02'43 25°≈45'29 0°)€ 0°° 16°° 16'43	-0°22'41
greatest brilliancy retrograde evening set inferior conj minimum elong	7887 Aug 20 03:08 7887 Aug 23 08:48 7887 Sep 03 09:12 7887 Sep 20 00:58 7887 Sep 24 21:16 7887 Sep 24 12:06 7887 Sep 24 08:30 7887 Sep 28 23:29	12° \$\times 40'49 14° \$\times 03'38 16° \$\times 16'00 10° \$\times 55'52 7° \$\times 57'44 8° \$\times 12'06 8° \$\times 17'45 5° \$\times 26'46	-7°15'15 7°13'47	max. Earth dist. superior conj minimum elong	7890 Feb 10 05:28 7890 Feb 13 07:52 7890 Feb 13 02:21 7890 Feb 16 11:47 7890 Mar 12 10:26 7890 Mar 25 09:43 7890 Apr 05 07:59	22°≈10'15  26°≈02'43 25°≈45'29 0°)€ 0°° 16°° 16'43 0° 8	-0°22'41
greatest brilliancy retrograde evening set inferior conj minimum elong min. Earth dist. morning rise	7887 Aug 20 03:08 7887 Aug 23 08:48 7887 Sep 03 09:12 7887 Sep 20 00:58 7887 Sep 24 21:16 7887 Sep 24 12:06 7887 Sep 24 08:30 7887 Sep 28 23:29 7887 Oct 12 16:35	12°至40'49 14°至03'38 16°至16'00 10°至55'52 7°至57'44 8°至12'06 8°至17'45 5°至26'46 30°R顺	-7°15'15 7°13'47	max. Earth dist. superior conj minimum elong	7890 Feb 10 05:28  7890 Feb 13 07:52 7890 Feb 13 02:21 7890 Feb 16 11:47 7890 Mar 12 10:26 7890 Mar 25 09:43 7890 Apr 05 07:59 7890 Apr 29 06:28	22°≈10'15  26°≈02'43 25°≈45'29 0° ¥ 0° Υ 16° Υ 16'43 0° ႘ 0° Ⅱ	-0°22'41
greatest brilliancy retrograde evening set inferior conj minimum elong min. Earth dist.	7887 Aug 20 03:08 7887 Aug 23 08:48 7887 Sep 03 09:12 7887 Sep 20 00:58 7887 Sep 24 21:16 7887 Sep 24 12:06 7887 Sep 24 08:30 7887 Sep 28 23:29 7887 Oct 12 16:35 7887 Oct 16 09:06	12° \$\times 40'49 14° \$\times 03'38 16° \$\times 16'00 10° \$\times 55'52 7° \$\times 57'44 8° \$\times 12'06 8° \$\times 17'45 5° \$\times 26'46 30° R \$\times 29° \$\times 43'50	-7°15'15 7°13'47	max. Earth dist. superior conj minimum elong evening rise	7890 Feb 10 05:28  7890 Feb 13 07:52 7890 Feb 13 02:21 7890 Feb 16 11:47 7890 Mar 12 10:26 7890 Mar 25 09:43 7890 Apr 05 07:59 7890 Apr 29 06:28 7890 May 23 08:28	22°≈10'15  26°≈02'43 25°≈45'29 0° ℋ 0° ♈ 16°♈16'43 0° ♉ 0° Ⅲ 0° ☜	-0°22'41
greatest brilliancy retrograde evening set inferior conj minimum elong min. Earth dist. morning rise direct	7887 Aug 20 03:08 7887 Aug 23 08:48 7887 Sep 03 09:12 7887 Sep 20 00:58 7887 Sep 24 21:16 7887 Sep 24 12:06 7887 Sep 24 08:30 7887 Sep 28 23:29 7887 Oct 12 16:35 7887 Oct 16 09:06 7887 Oct 20 03:18	12° \$\times 40'49 14° \$\times 03'38 16° \$\times 16'00 10° \$\times 55'52 7° \$\times 57'44 8° \$\times 12'06 8° \$\times 17'45 5° \$\times 26'46 30° RM 29° \$\times 43'50 0° \$\times \times 00'\$	-7°15'15 7°13'47 0.29009 AU	max. Earth dist. superior conj minimum elong	7890 Feb 10 05:28  7890 Feb 13 07:52 7890 Feb 13 02:21 7890 Feb 16 11:47 7890 Mar 12 10:26 7890 Mar 25 09:43 7890 Apr 05 07:59 7890 Apr 29 06:28 7890 May 23 08:28 7890 May 27 20:21	22°≈10'15  26°≈02'43 25°≈45'29 0° ℋ 0° ♈ 16°♈16'43 0° ♉ 0° Ⅲ 0° ☜ 5° ☜34'06	-0°22'41
greatest brilliancy retrograde evening set inferior conj minimum elong min. Earth dist. morning rise	7887 Aug 20 03:08 7887 Aug 23 08:48 7887 Sep 03 09:12 7887 Sep 20 00:58 7887 Sep 24 21:16 7887 Sep 24 12:06 7887 Sep 24 08:30 7887 Sep 28 23:29 7887 Oct 12 16:35 7887 Oct 16 09:06 7887 Oct 20 03:18 7887 Oct 26 09:27	12° \$\times 40'49 14° \$\times 03'38 16° \$\times 16'00 10° \$\times 55'52 7° \$\times 57'44 8° \$\times 12'06 8° \$\times 17'45 5° \$\times 26'46 30° RM 29° \$\times 43'50 0° \$\times 10' \$\times 33'00	-7°15'15 7°13'47	max. Earth dist. superior conj minimum elong evening rise	7890 Feb 10 05:28  7890 Feb 13 07:52 7890 Feb 13 02:21 7890 Feb 16 11:47 7890 Mar 12 10:26 7890 Mar 25 09:43 7890 Apr 05 07:59 7890 Apr 29 06:28 7890 May 23 08:28 7890 May 27 20:21 7890 Jun 16 16:50	22°≈10'15  26°≈02'43 25°≈45'29 0° ℋ 0° Ψ 16° Ψ16'43 0° Ⅎ 0° ℍ 0° ℄ 5° ℄ 5° ℄ 34'06 0° ℳ	-0°22'41
greatest brilliancy retrograde evening set inferior conj minimum elong min. Earth dist. morning rise direct greatest brilliancy	7887 Aug 20 03:08 7887 Aug 23 08:48 7887 Sep 03 09:12 7887 Sep 20 00:58 7887 Sep 24 21:16 7887 Sep 24 12:06 7887 Sep 24 08:30 7887 Sep 28 23:29 7887 Oct 12 16:35 7887 Oct 16 09:06 7887 Oct 20 03:18 7887 Oct 26 09:27 7887 Dec 04 10:40	12°	-7°15'15 7°13'47 0.29009 AU	max. Earth dist. superior conj minimum elong evening rise	7890 Feb 10 05:28  7890 Feb 13 07:52 7890 Feb 13 02:21 7890 Feb 16 11:47 7890 Mar 12 10:26 7890 Mar 25 09:43 7890 Apr 05 07:59 7890 Apr 29 06:28 7890 May 23 08:28 7890 May 27 20:21 7890 Jun 16 16:50 7890 Jul 11 11:08	22°≈10'15  26°≈02'43 25°≈45'29 0° ₩ 0° Ψ 16° Ψ16'43 0° ₩ 0° Ⅲ 0° \$\mathref{s}\$ 5°\$\mathref{s}\$34'06 0° \$\mathref{a}\$ 0° \$\mathref{m}\$\$ 0° \$\mathref{m}\$\$	-0°22'41
greatest brilliancy retrograde evening set inferior conj minimum elong min. Earth dist. morning rise direct greatest brilliancy morning max el	7887 Aug 20 03:08 7887 Aug 23 08:48 7887 Sep 03 09:12 7887 Sep 20 00:58 7887 Sep 24 21:16 7887 Sep 24 12:06 7887 Sep 24 08:30 7887 Sep 28 23:29 7887 Oct 12 16:35 7887 Oct 16 09:06 7887 Oct 20 03:18 7887 Oct 26 09:27 7887 Dec 04 10:40 7887 Dec 04 08:14	12° \$\times 40'49 14° \$\times 03'38 16° \$\times 16'00 10° \$\times 55'52 7° \$\times 57'44 8° \$\times 12'06 8° \$\times 17'45 5° \$\times 26'46 30° R\$\times 29° \$\times 43'50 0° \$\times 1\$^ \$\times 33'00 0° \$\times 1\$^ \$\times 54'06	-7°15'15 7°13'47 0.29009 AU	max. Earth dist.  superior conj minimum elong  evening rise	7890 Feb 10 05:28  7890 Feb 13 07:52  7890 Feb 13 02:21  7890 Feb 16 11:47  7890 Mar 12 10:26  7890 Mar 25 09:43  7890 Apr 05 07:59  7890 Apr 29 06:28  7890 May 23 08:28  7890 May 27 20:21  7890 Jun 16 16:50  7890 Jul 11 11:08  7890 Aug 05 21:37	22°≈10'15  26°≈02'43 25°≈45'29 0° ℋ 0° ♈ 16°♈16'43 0° ௧ 0° ℿ 0° Ֆ 5° ℱ34'06 0° Ω 0° 爾 0° Ω	-0°22'41
greatest brilliancy retrograde evening set inferior conj minimum elong min. Earth dist. morning rise direct greatest brilliancy	7887 Aug 20 03:08 7887 Aug 23 08:48 7887 Sep 03 09:12 7887 Sep 20 00:58 7887 Sep 24 21:16 7887 Sep 24 12:06 7887 Sep 24 08:30 7887 Sep 28 23:29 7887 Oct 12 16:35 7887 Oct 16 09:06 7887 Oct 20 03:18 7887 Oct 26 09:27 7887 Dec 04 10:40 7887 Dec 04 08:14 7887 Dec 11 02:37	12°	-7°15'15 7°13'47 0.29009 AU	max. Earth dist.  superior conj minimum elong  evening rise  asc. node	7890 Feb 10 05:28  7890 Feb 13 07:52  7890 Feb 13 02:21  7890 Feb 16 11:47  7890 Mar 12 10:26  7890 Mar 25 09:43  7890 Apr 05 07:59  7890 Apr 29 06:28  7890 May 23 08:28  7890 May 27 20:21  7890 Jun 16 16:50  7890 Jul 11 11:08  7890 Aug 05 21:37  7890 Sep 01 14:26	22°≈10'15  26°≈02'43 25°≈45'29 0° ℋ 0° ♈ 16°♈16'43 0° ੴ 0° Ⅲ 0° ⑤ 5° ⑥ 34'06 0° ℳ 0° № 0° №	-0°22'41
greatest brilliancy retrograde evening set inferior conj minimum elong min. Earth dist. morning rise direct greatest brilliancy morning max el	7887 Aug 20 03:08 7887 Aug 23 08:48 7887 Sep 03 09:12 7887 Sep 20 00:58 7887 Sep 24 21:16 7887 Sep 24 12:06 7887 Sep 24 08:30 7887 Sep 28 23:29 7887 Oct 12 16:35 7887 Oct 16 09:06 7887 Oct 20 03:18 7887 Oct 26 09:27 7887 Dec 04 10:40 7887 Dec 04 08:14 7887 Dec 11 02:37 7888 Jan 02 00:09	12° \$\times 40'49 14° \$\times 03'38 16° \$\times 16'00 10° \$\times 55'52 7° \$\times 57'44 8° \$\times 12'06 8° \$\times 17'45 5° \$\times 26'46 30° R \$\times 29' \$\times 43'50 0° \$\times 10' \$\times 33'00 0° \$\times 10' \$\times 54'06 6° \$\times 36'21 0° \$\times 10'	-7°15'15 7°13'47 0.29009 AU	max. Earth dist.  superior conj minimum elong  evening rise  asc. node	7890 Feb 10 05:28  7890 Feb 13 07:52  7890 Feb 13 02:21  7890 Feb 16 11:47  7890 Mar 12 10:26  7890 Mar 25 09:43  7890 Apr 05 07:59  7890 Apr 29 06:28  7890 May 23 08:28  7890 May 27 20:21  7890 Jun 16 16:50  7890 Jul 11 11:08  7890 Aug 05 21:37  7890 Sep 01 14:26  7890 Sep 16 14:36	22°≈10'15  26°≈02'43 25°≈45'29 0° ℋ 0° ♈ 16°♈16'43 0° ੴ 0° ∭ 0° ௵ 0° ௵ 0° ௵ 0° ௵	-0°22'41 0°22'21
greatest brilliancy retrograde evening set inferior conj minimum elong min. Earth dist. morning rise direct greatest brilliancy morning max el	7887 Aug 20 03:08 7887 Aug 23 08:48 7887 Sep 03 09:12 7887 Sep 20 00:58 7887 Sep 24 21:16 7887 Sep 24 12:06 7887 Sep 24 08:30 7887 Sep 28 23:29 7887 Oct 12 16:35 7887 Oct 16 09:06 7887 Oct 20 03:18 7887 Oct 26 09:27 7887 Dec 04 10:40 7887 Dec 04 08:14 7887 Dec 11 02:37 7888 Jan 02 00:09 7888 Jan 28 02:41	12°至40'49 14°至03'38 16°至16'00 10°至55'52 7°至57'44 8°至12'06 8°至17'45 5°至26'46 30°R顺 29°顶43'50 0°丘 1°至33'00 0°肌 29°至54'06 6°肌36'21 0°ズ	-7°15'15 7°13'47 0.29009 AU	max. Earth dist.  superior conj minimum elong  evening rise  asc. node	7890 Feb 10 05:28  7890 Feb 13 07:52  7890 Feb 13 02:21  7890 Feb 16 11:47  7890 Mar 12 10:26  7890 Mar 25 09:43  7890 Apr 05 07:59  7890 Apr 29 06:28  7890 May 23 08:28  7890 May 27 20:21  7890 Jun 16 16:50  7890 Jul 11 11:08  7890 Aug 05 21:37  7890 Sep 01 14:26  7890 Sep 16 14:36  7890 Sep 24 16:31	22°≈10'15  26°≈02'43 25°≈45'29 0° ℋ 0° ♈ 16° ♈ 16'43 0° ੴ 0° ᠓ 0° ᠓ 0° ᠓ 0° ᠓ 15° ᠓ 44'28 23° № 42'34	-0°22'41 0°22'21
greatest brilliancy retrograde evening set inferior conj minimum elong min. Earth dist. morning rise direct greatest brilliancy morning max el	7887 Aug 20 03:08 7887 Aug 23 08:48 7887 Sep 03 09:12 7887 Sep 20 00:58 7887 Sep 24 21:16 7887 Sep 24 12:06 7887 Sep 24 08:30 7887 Sep 28 23:29 7887 Oct 12 16:35 7887 Oct 16 09:06 7887 Oct 20 03:18 7887 Oct 26 09:27 7887 Dec 04 08:14 7887 Dec 04 08:14 7887 Dec 11 02:37 7888 Jan 02 00:09 7888 Jan 28 02:41 7888 Feb 22 04:01	12° \$\times 40'49 14° \$\times 03'38 16° \$\times 16'00 10° \$\times 55'52 7° \$\times 57'44 8° \$\times 12'06 8° \$\times 17'45 5° \$\times 26'46 30° \$\times 00' \$\tim	-7°15'15 7°13'47 0.29009 AU	max. Earth dist.  superior conj minimum elong  evening rise  asc. node  desc. node  evening max el	7890 Feb 10 05:28  7890 Feb 13 07:52  7890 Feb 13 02:21  7890 Feb 16 11:47  7890 Mar 12 10:26  7890 Mar 25 09:43  7890 Apr 05 07:59  7890 Apr 29 06:28  7890 May 23 08:28  7890 May 27 20:21  7890 Jun 16 16:50  7890 Jul 11 11:08  7890 Aug 05 21:37  7890 Sep 01 14:26  7890 Sep 16 14:36  7890 Sep 24 16:31  7890 Oct 01 10:27	22°≈10'15  26°≈02'43 25°≈45'29 0° ℋ 0° ♈ 16° ♈ 16'43 0° ੴ 0° ᠓ 0° ᠓ 0° ᠓ 15° ᠓ 44'28 23° ᠓ 42'34 0° ♂	-0°22'41 0°22'21 45°39'54
greatest brilliancy retrograde evening set inferior conj minimum elong min. Earth dist. morning rise direct greatest brilliancy morning max el asc. node	7887 Aug 20 03:08 7887 Aug 23 08:48 7887 Sep 03 09:12 7887 Sep 20 00:58 7887 Sep 24 21:16 7887 Sep 24 12:06 7887 Sep 24 08:30 7887 Sep 28 23:29 7887 Oct 12 16:35 7887 Oct 16 09:06 7887 Oct 20 03:18 7887 Oct 26 09:27 7887 Dec 04 10:40 7887 Dec 04 08:14 7887 Dec 11 02:37 7888 Jan 02 00:09 7888 Jan 28 02:41 7888 Feb 22 04:01 7888 Mar 17 16:16	12° \$\times 40'49 14° \$\times 03'38 16° \$\times 16'00 10° \$\times 55'52 7° \$\times 57'44 8° \$\times 12'06 8° \$\times 17'45 5° \$\times 26'46 30° \$\times 10'20 0° \$\times 10'20	-7°15'15 7°13'47 0.29009 AU	max. Earth dist.  superior conj minimum elong  evening rise  asc. node  desc. node evening max el greatest brilliancy	7890 Feb 10 05:28  7890 Feb 13 07:52  7890 Feb 13 02:21  7890 Feb 16 11:47  7890 Mar 12 10:26  7890 Mar 25 09:43  7890 Apr 05 07:59  7890 Apr 29 06:28  7890 May 23 08:28  7890 May 27 20:21  7890 Jun 16 16:50  7890 Jul 11 11:08  7890 Aug 05 21:37  7890 Sep 01 14:26  7890 Sep 16 14:36  7890 Sep 24 16:31  7890 Oct 01 10:27  7890 Nov 02 19:39	22°≈10'15  26°≈02'43 25°≈45'29 0°)€ 0°°€ 16°°€16'43 0°€5 5°©34'06 0°€ 0°™ 0°€ 15°™44'28 23°™42'34 0°₹ 21°₹48'57	-0°22'41 0°22'21 45°39'54
greatest brilliancy retrograde evening set inferior conj minimum elong min. Earth dist. morning rise direct greatest brilliancy morning max el	7887 Aug 20 03:08 7887 Aug 23 08:48 7887 Sep 03 09:12 7887 Sep 20 00:58 7887 Sep 24 21:16 7887 Sep 24 12:06 7887 Sep 24 08:30 7887 Sep 24 23:29 7887 Oct 12 16:35 7887 Oct 16 09:06 7887 Oct 20 03:18 7887 Oct 26 09:27 7887 Dec 04 10:40 7887 Dec 04 08:14 7887 Dec 11 02:37 7888 Jan 02 00:09 7888 Jan 28 02:41 7888 Feb 22 04:01 7888 Mar 17 16:16 7888 Mar 31 19:47	12° 至40'49 14° 至03'38 16° 至16'00 10° 至55'52 7° 至57'44 8° 至12'06 8° 至17'45 5° 至26'46 30° R 順 29° 陳43'50 0° 亞 1° 至33'00 0° 肌 29° 至54'06 6° 肌36'21 0° ズ 0° 云 0° ※ 0° 沃 17° 米30'19	-7°15'15 7°13'47 0.29009 AU	max. Earth dist.  superior conj minimum elong  evening rise  asc. node  desc. node evening max el greatest brilliancy retrograde	7890 Feb 10 05:28  7890 Feb 13 07:52  7890 Feb 13 02:21  7890 Feb 16 11:47  7890 Mar 12 10:26  7890 Mar 25 09:43  7890 Apr 05 07:59  7890 Apr 29 06:28  7890 May 23 08:28  7890 May 27 20:21  7890 Jun 16 16:50  7890 Jul 11 11:08  7890 Aug 05 21:37  7890 Sep 01 14:26  7890 Sep 16 14:36  7890 Sep 24 16:31  7890 Oct 01 10:27  7890 Nov 02 19:39  7890 Nov 12 08:38	22°≈10'15  26°≈02'43 25°≈45'29 0°	-0°22'41 0°22'21 45°39'54
greatest brilliancy retrograde evening set inferior conj minimum elong min. Earth dist. morning rise direct greatest brilliancy morning max el asc. node	7887 Aug 20 03:08 7887 Aug 23 08:48 7887 Sep 03 09:12 7887 Sep 20 00:58 7887 Sep 24 21:16 7887 Sep 24 12:06 7887 Sep 24 08:30 7887 Sep 24 08:30 7887 Sep 28 23:29 7887 Oct 12 16:35 7887 Oct 16 09:06 7887 Oct 20 03:18 7887 Oct 26 09:27 7887 Dec 04 10:40 7887 Dec 04 08:14 7887 Dec 11 02:37 7888 Jan 02 00:09 7888 Jan 28 02:41 7888 Feb 22 04:01 7888 Mar 17 16:16 7888 Mar 31 19:47 7888 Apr 10 21:02	12° \$\times 40'49 14° \$\times 03'38 16° \$\times 16'00 10° \$\times 55'52 7° \$\times 57'44 8° \$\times 12'06 8° \$\times 17'45 5° \$\times 26'46 30° \$\times 10' \$\times 33'00 0° \$\times 10' \$\times 33'00 0° \$\times 10' \$\times 54'06 6° \$\times 36'21 0° \$\times 10' \$\times 1	-7°15'15 7°13'47 0.29009 AU	max. Earth dist.  superior conj minimum elong  evening rise  asc. node  desc. node evening max el greatest brilliancy retrograde evening set	7890 Feb 10 05:28  7890 Feb 13 07:52  7890 Feb 13 02:21  7890 Feb 16 11:47  7890 Mar 12 10:26  7890 Mar 25 09:43  7890 Apr 05 07:59  7890 Apr 29 06:28  7890 May 23 08:28  7890 May 27 20:21  7890 Jun 16 16:50  7890 Jul 11 11:08  7890 Aug 05 21:37  7890 Sep 01 14:26  7890 Sep 16 14:36  7890 Sep 24 16:31  7890 Oct 01 10:27  7890 Nov 02 19:39  7890 Nov 12 08:38  7890 Nov 29 15:05	22°≈10'15  26°≈02'43 25°≈45'29 0° ₭ 0° ♈ 16°♈16'43 0° ௧ 0° ℍ 0°ℱ 5°ℱ34'06 0° Ω 0° ℍ 15° ጤ44'28 23° ጤ42'34 0° ՞४ 21° ¾48'57 23° ¾27'51 17° ₰51'49	-0°22'41 0°22'21 45°39'54 -4.7m
greatest brilliancy retrograde evening set inferior conj minimum elong min. Earth dist. morning rise direct greatest brilliancy morning max el asc. node	7887 Aug 20 03:08 7887 Aug 23 08:48 7887 Sep 03 09:12 7887 Sep 20 00:58 7887 Sep 24 21:16 7887 Sep 24 12:06 7887 Sep 24 08:30 7887 Sep 24 08:30 7887 Sep 28 23:29 7887 Oct 12 16:35 7887 Oct 16 09:06 7887 Oct 20 03:18 7887 Oct 26 09:27 7887 Dec 04 10:40 7887 Dec 04 08:14 7887 Dec 11 02:37 7888 Jan 02 00:09 7888 Jan 28 02:41 7888 Feb 22 04:01 7888 Mar 17 16:16 7888 Mar 31 19:47 7888 Apr 10 21:02 7888 May 04 21:42	12° 至40'49 14° 至03'38 16° 至16'00 10° 至55'52 7° 至57'44 8° 至12'06 8° 至17'45 5° 至26'46 30° R 順 29° 順43'50 0° 亞 1° 至33'00 0° 肌 29° 至54'06 6° 肌36'21 0° ズ 0° 云 0° ※ 0° 光 17° 光 30'19 0° 丫	-7°15'15 7°13'47 0.29009 AU	max. Earth dist.  superior conj minimum elong  evening rise  asc. node  desc. node evening max el greatest brilliancy retrograde evening set inferior conj	7890 Feb 10 05:28  7890 Feb 13 07:52  7890 Feb 13 02:21  7890 Feb 16 11:47  7890 Mar 12 10:26  7890 Mar 25 09:43  7890 Apr 05 07:59  7890 Apr 29 06:28  7890 May 23 08:28  7890 May 27 20:21  7890 Jun 16 16:50  7890 Jul 11 11:08  7890 Aug 05 21:37  7890 Sep 01 14:26  7890 Sep 16 14:36  7890 Sep 24 16:31  7890 Nov 02 19:39  7890 Nov 12 08:38  7890 Nov 29 15:05  7890 Dec 03 16:58	22°≈10'15 26°≈02'43 25°≈45'29 0° ₭ 0° ♈ 16° ♈ 16'43 0° ♉ 0° ៕ 0° ♋ 5° ㉑ 34'06 0° ៕ 0° শ 15° ℳ 44'28 23° ℳ 42'34 0° Ґ 21° Ґ 48'57 23° Ґ 27'51 17° Ґ 51'49 15° Ґ 21'35	-0°22'41 0°22'21 45°39'54 -4.7m
greatest brilliancy retrograde evening set inferior conj minimum elong min. Earth dist. morning rise direct greatest brilliancy morning max el asc. node	7887 Aug 20 03:08 7887 Aug 23 08:48 7887 Sep 03 09:12 7887 Sep 20 00:58 7887 Sep 24 21:16 7887 Sep 24 12:06 7887 Sep 24 08:30 7887 Sep 24 08:30 7887 Sep 28 23:29 7887 Oct 12 16:35 7887 Oct 16 09:06 7887 Oct 20 03:18 7887 Oct 26 09:27 7887 Dec 04 10:40 7887 Dec 04 08:14 7887 Dec 11 02:37 7888 Jan 02 00:09 7888 Jan 28 02:41 7888 Feb 22 04:01 7888 Mar 17 16:16 7888 Mar 31 19:47 7888 Apr 10 21:02 7888 May 04 21:42 7888 May 28 20:58	12° \$\times 40'49 14° \$\times 03'38 16° \$\times 16'00 10° \$\times 55'52 7° \$\times 57'44 8° \$\times 12'06 8° \$\times 17'45 5° \$\times 26'46 30° \$\times 00' \$\times 10' \$\times 33'00 0° \$\times 10' \$\times 54'06 6° \$\times 36'21 0° \$\times 00' \$\times 00' \$\times 00' \$\times 00' \$\times 17' \$\times 30'19 0° \$\times 00' \$\times 0	-7°15'15 7°13'47 0.29009 AU	max. Earth dist.  superior conj minimum elong  evening rise  asc. node  desc. node evening max el greatest brilliancy retrograde evening set inferior conj minimum elong	7890 Feb 10 05:28  7890 Feb 13 07:52  7890 Feb 13 02:21  7890 Feb 16 11:47  7890 Mar 12 10:26  7890 Mar 25 09:43  7890 Apr 05 07:59  7890 Apr 29 06:28  7890 May 27 20:21  7890 Jun 16 16:50  7890 Jul 11 11:08  7890 Aug 05 21:37  7890 Sep 01 14:26  7890 Sep 16 14:36  7890 Sep 24 16:31  7890 Oct 01 10:27  7890 Nov 02 19:39  7890 Nov 12 08:38  7890 Dec 03 16:58  7890 Dec 04 02:19	22°≈10'15  26°≈02'43 25°≈45'29 0°	-0°22'41 0°22'21 45°39'54 -4.7m -7°14'15 7°12'35
greatest brilliancy retrograde evening set inferior conj minimum elong min. Earth dist. morning rise direct greatest brilliancy morning max el asc. node	7887 Aug 20 03:08 7887 Aug 23 08:48 7887 Sep 03 09:12 7887 Sep 20 00:58 7887 Sep 24 21:16 7887 Sep 24 12:06 7887 Sep 24 08:30 7887 Sep 24 08:30 7887 Sep 28 23:29 7887 Oct 12 16:35 7887 Oct 16 09:06 7887 Oct 20 03:18 7887 Oct 26 09:27 7887 Dec 04 10:40 7887 Dec 04 08:14 7887 Dec 11 02:37 7888 Jan 02 00:09 7888 Jan 28 02:41 7888 Feb 22 04:01 7888 Mar 17 16:16 7888 Mar 31 19:47 7888 Mar 31 19:47 7888 May 04 21:42 7888 May 28 20:58 7888 Jun 06 14:37	12° 年40'49 14° 年03'38 16° 年16'00 10° 年55'52 7° 年57'44 8° 年12'06 8° 年17'45 5° 年26'46 30° 限版 29° 版43'50 0° 年 1° 年33'00 0° 版 29° 年54'06 6° № 36'21 0° ズ 0° で 0° 米 17° 米30'19 0° ア 0° と 0° 第1 10° 耳55'33	-7°15'15 7°13'47 0.29009 AU	max. Earth dist.  superior conj minimum elong  evening rise  asc. node  desc. node evening max el greatest brilliancy retrograde evening set inferior conj minimum elong min. Earth dist.	7890 Feb 10 05:28  7890 Feb 13 07:52  7890 Feb 13 02:21  7890 Feb 16 11:47  7890 Mar 12 10:26  7890 Mar 25 09:43  7890 Apr 05 07:59  7890 Apr 29 06:28  7890 May 23 08:28  7890 May 27 20:21  7890 Jun 16 16:50  7890 Jul 11 11:08  7890 Aug 05 21:37  7890 Sep 01 14:26  7890 Sep 16 14:36  7890 Sep 24 16:31  7890 Oct 01 10:27  7890 Nov 02 19:39  7890 Nov 12 08:38  7890 Nov 29 15:05  7890 Dec 03 16:58  7890 Dec 04 02:19  7890 Dec 04 11:58	22°≈10'15  26°≈02'43 25°≈45'29 0°	-0°22'41 0°22'21 45°39'54 -4.7m
greatest brilliancy retrograde evening set inferior conj minimum elong min. Earth dist. morning rise direct greatest brilliancy morning max el asc. node	7887 Aug 20 03:08 7887 Aug 23 08:48 7887 Sep 03 09:12 7887 Sep 20 00:58 7887 Sep 24 21:16 7887 Sep 24 12:06 7887 Sep 24 08:30 7887 Sep 24 08:30 7887 Sep 28 23:29 7887 Oct 12 16:35 7887 Oct 16 09:06 7887 Oct 20 03:18 7887 Oct 26 09:27 7887 Dec 04 10:40 7887 Dec 04 08:14 7887 Dec 11 02:37 7888 Jan 02 00:09 7888 Jan 28 02:41 7888 Feb 22 04:01 7888 Mar 17 16:16 7888 Mar 31 19:47 7888 Apr 10 21:02 7888 May 04 21:42 7888 May 28 20:58	12° \$\times 40'49 14° \$\times 03'38 16° \$\times 16'00 10° \$\times 55'52 7° \$\times 57'44 8° \$\times 12'06 8° \$\times 17'45 5° \$\times 26'46 30° \$\times 00' \$\times 10' \$\times 33'00 0° \$\times 10' \$\times 54'06 6° \$\times 36'21 0° \$\times 00' \$\times 00' \$\times 00' \$\times 00' \$\times 17' \$\times 30'19 0° \$\times 00' \$\times 0	-7°15'15 7°13'47 0.29009 AU	max. Earth dist.  superior conj minimum elong  evening rise  asc. node  desc. node evening max el greatest brilliancy retrograde evening set inferior conj minimum elong min. Earth dist. morning rise	7890 Feb 10 05:28  7890 Feb 13 07:52  7890 Feb 13 02:21  7890 Feb 16 11:47  7890 Mar 12 10:26  7890 Mar 25 09:43  7890 Apr 05 07:59  7890 Apr 29 06:28  7890 May 27 20:21  7890 Jun 16 16:50  7890 Jul 11 11:08  7890 Aug 05 21:37  7890 Sep 01 14:26  7890 Sep 16 14:36  7890 Sep 24 16:31  7890 Oct 01 10:27  7890 Nov 02 19:39  7890 Nov 12 08:38  7890 Dec 03 16:58  7890 Dec 04 02:19  7890 Dec 04 11:58  7890 Dec 08 13:11	22°≈10'15  26°≈02'43 25°≈45'29 0°	-0°22'41 0°22'21 45°39'54 -4.7m -7°14'15 7°12'35
greatest brilliancy retrograde evening set inferior conj minimum elong min. Earth dist. morning rise direct greatest brilliancy morning max el asc. node  desc. node	7887 Aug 20 03:08 7887 Aug 23 08:48 7887 Sep 03 09:12 7887 Sep 20 00:58 7887 Sep 24 21:16 7887 Sep 24 12:06 7887 Sep 24 08:30 7887 Sep 24 08:30 7887 Sep 28 23:29 7887 Oct 12 16:35 7887 Oct 16 09:06 7887 Oct 20 03:18 7887 Oct 26 09:27 7887 Dec 04 10:40 7887 Dec 04 08:14 7887 Dec 11 02:37 7888 Jan 02 00:09 7888 Jan 28 02:41 7888 Feb 22 04:01 7888 Mar 17 16:16 7888 Mar 31 19:47 7888 Mar 31 19:47 7888 May 04 21:42 7888 May 04 21:42 7888 May 06 14:37 7888 Jun 06 14:37 7888 Jun 06 14:37	12° 年40'49 14° 年03'38 16° 年16'00 10° 年55'52 7° 年57'44 8° 年12'06 8° 年17'45 5° 年26'46 30° RM 29° か43'50 0° 年 1° 年33'00 0° M 29° 年54'06 6° M.36'21 0° ズ 0° で 1° 千30'19 0° ア 0° 出 10° 月55'33 0° 毎	-7°15'15 7°13'47 0.29009 AU -4.7m 45°48'16	max. Earth dist.  superior conj minimum elong  evening rise  asc. node  desc. node evening max el greatest brilliancy retrograde evening set inferior conj minimum elong min. Earth dist. morning rise direct	7890 Feb 10 05:28  7890 Feb 13 07:52  7890 Feb 13 02:21  7890 Feb 16 11:47  7890 Mar 12 10:26  7890 Mar 25 09:43  7890 Apr 05 07:59  7890 Apr 29 06:28  7890 May 27 20:21  7890 Jun 16 16:50  7890 Jul 11 11:08  7890 Aug 05 21:37  7890 Sep 01 14:26  7890 Sep 16 14:36  7890 Sep 16 14:36  7890 Sep 24 16:31  7890 Oct 01 10:27  7890 Nov 02 19:39  7890 Nov 12 08:38  7890 Dec 03 16:58  7890 Dec 04 02:19  7890 Dec 04 11:58  7890 Dec 08 13:11  7890 Dec 25 02:37	22°≈10'15  26°≈02'43 25°≈45'29 0°)€ 0°°° 16°°16'43 0°8 0°11 0°9 5°934'06 0°\$\mathbb{Q}\$ 0°\$\mathbb{Q}\$ 0°\$\mathbb{Q}\$ 0°\$\mathbb{Q}\$ 0°\$\mathbb{Q}\$ 15°\$\mathbb{Q}\$44'28 23°\$\mathbb{Q}\$42'34 0°\$\mathbb{Z}\$ 21°\$\mathbb{Z}\$48'57 23°\$\mathbb{Z}\$27'51 17°\$\mathbb{Z}\$51'49 15°\$\mathbb{Z}\$21'35 15°\$\mathbb{Q}\$06'54 14°\$\mathbb{Z}\$1'48 12°\$\mathbb{Z}\$23'32 7°\$\mathbb{Z}\$06'47	-0°22'41 0°22'21 45°39'54 -4.7m -7°14'15 7°12'35 0.28641 AU
greatest brilliancy retrograde evening set inferior conj minimum elong min. Earth dist. morning rise direct greatest brilliancy morning max el asc. node  desc. node  morning set	7887 Aug 20 03:08 7887 Aug 23 08:48 7887 Sep 03 09:12 7887 Sep 20 00:58 7887 Sep 24 21:16 7887 Sep 24 12:06 7887 Sep 24 08:30 7887 Sep 24 08:30 7887 Sep 28 23:29 7887 Oct 12 16:35 7887 Oct 16 09:06 7887 Oct 20 03:18 7887 Oct 26 09:27 7887 Dec 04 10:40 7887 Dec 04 08:14 7887 Dec 11 02:37 7888 Jan 02 00:09 7888 Jan 28 02:41 7888 Feb 22 04:01 7888 Mar 17 16:16 7888 Mar 31 19:47 7888 Apr 10 21:02 7888 May 04 21:42 7888 May 28 20:58 7888 Jun 06 14:37 7888 Jun 06 14:37 7888 Jun 15 15:30	12° 至40'49 14° 至03'38 16° 至16'00 10° 至55'52 7° 至57'44 8° 至12'06 8° 至17'45 5° 至26'46 30° R M 29° M 43'50 0° 丘 1° 至33'00 0° M 29° 至54'06 6° M 36'21 0° ズ 0° 云 0° ※ 0° 米 17° 升 30'19 0° Y 0° 日 10° 耳55'33 0° 毎	-7°15'15 7°13'47 0.29009 AU -4.7m 45°48'16	max. Earth dist.  superior conj minimum elong  evening rise  asc. node  desc. node evening max el greatest brilliancy retrograde evening set inferior conj minimum elong min. Earth dist. morning rise direct greatest brilliancy	7890 Feb 10 05:28  7890 Feb 13 07:52  7890 Feb 13 02:21  7890 Feb 16 11:47  7890 Mar 12 10:26  7890 Mar 25 09:43  7890 Apr 05 07:59  7890 Apr 29 06:28  7890 May 23 08:28  7890 May 27 20:21  7890 Jul 16 16:50  7890 Jul 11 11:08  7890 Sep 01 14:26  7890 Sep 16 14:36  7890 Sep 16 14:36  7890 Sep 24 16:31  7890 Oct 01 10:27  7890 Nov 02 19:39  7890 Nov 12 08:38  7890 Nov 29 15:05  7890 Dec 04 02:19  7890 Dec 04 11:58  7890 Dec 04 11:58  7890 Dec 08 13:11  7890 Dec 25 02:37  7891 Jan 05 05:28	22°≈10'15  26°≈02'43 25°≈45'29 0°)€ 0°°° 16°°16'43 0°8 0°11 0°\$0 5°\$34'06 0°\$0 0°\$1 15°\$1.44'28 23°\$1.42'34 0°\$7 21°\$7.48'57 23°\$7.27'51 17°\$7.51'49 15°\$7.23'32 7°\$7.06'47 9°\$7.22'40	-0°22'41 0°22'21 45°39'54 -4.7m -7°14'15 7°12'35 0.28641 AU
greatest brilliancy retrograde evening set inferior conj minimum elong min. Earth dist. morning rise direct greatest brilliancy morning max el asc. node  desc. node	7887 Aug 20 03:08 7887 Aug 23 08:48 7887 Sep 03 09:12 7887 Sep 20 00:58 7887 Sep 24 21:16 7887 Sep 24 12:06 7887 Sep 24 08:30 7887 Sep 24 08:30 7887 Sep 28 23:29 7887 Oct 12 16:35 7887 Oct 16 09:06 7887 Oct 20 03:18 7887 Oct 26 09:27 7887 Dec 04 10:40 7887 Dec 04 08:14 7887 Dec 11 02:37 7888 Jan 02 00:09 7888 Jan 28 02:41 7888 Feb 22 04:01 7888 Mar 17 16:16 7888 Mar 31 19:47 7888 Apr 10 21:02 7888 May 04 21:42 7888 May 04 21:42 7888 May 05 14:37 7888 Jun 06 14:37 7888 Jun 06 14:37 7888 Jun 15 15:30 7888 Jul 15 15:30	12° 年40'49 14° 年03'38 16° 年16'00 10° 年55'52 7° 年57'44 8° 年12'06 8° 年17'45 5° 年26'46 30° RM 29° か43'50 0° m 29° 年54'06 6° 肌36'21 0° ズ 0° 云 0° 米 17° 米30'19 0° Y 0° と 0° 別 10° 肌55'33 0° 毎	-7°15'15 7°13'47 0.29009 AU -4.7m 45°48'16	max. Earth dist.  superior conj minimum elong  evening rise  asc. node  desc. node evening max el greatest brilliancy retrograde evening set inferior conj minimum elong min. Earth dist. morning rise direct	7890 Feb 10 05:28  7890 Feb 13 07:52  7890 Feb 13 02:21  7890 Feb 16 11:47  7890 Mar 12 10:26  7890 Mar 25 09:43  7890 Apr 05 07:59  7890 Apr 29 06:28  7890 May 23 08:28  7890 May 27 20:21  7890 Jul 11 11:08  7890 Aug 05 21:37  7890 Sep 01 14:26  7890 Sep 16 14:36  7890 Sep 16 14:36  7890 Sep 24 16:31  7890 Oct 01 10:27  7890 Nov 02 19:39  7890 Nov 12 08:38  7890 Nov 12 08:38  7890 Nov 29 15:05  7890 Dec 04 02:19  7890 Dec 04 11:58  7890 Dec 04 11:58  7890 Dec 08 13:11  7890 Dec 25 02:37  7891 Jan 05 05:28  7891 Jan 07 14:25	22°≈10'15  26°≈02'43 25°≈45'29 0°)€ 0°°° 16°°16'43 0°8 0°11 0°\$0 5°\$34'06 0°\$0 0°\$0 0°\$0 15°\$1.44'28 23°\$1.42'34 0°\$7 21°\$7.48'57 23°\$7.27'51 17°\$7.51'49 15°\$7.23'32 7°\$7.06'47 9°\$7.22'58	-0°22'41 0°22'21 45°39'54 -4.7m -7°14'15 7°12'35 0.28641 AU
greatest brilliancy retrograde evening set inferior conj minimum elong min. Earth dist. morning rise direct greatest brilliancy morning max el asc. node  desc. node  superior conj minimum elong	7887 Aug 20 03:08 7887 Aug 23 08:48 7887 Sep 03 09:12 7887 Sep 20 00:58 7887 Sep 24 21:16 7887 Sep 24 12:06 7887 Sep 24 08:30 7887 Sep 24 08:30 7887 Sep 24 08:30 7887 Sep 28 23:29 7887 Oct 12 16:35 7887 Oct 16 09:06 7887 Oct 20 03:18 7887 Oct 26 09:27 7887 Dec 04 10:40 7887 Dec 04 08:14 7887 Dec 11 02:37 7888 Jan 02 00:09 7888 Jan 28 02:41 7888 Feb 22 04:01 7888 Mar 17 16:16 7888 Mar 31 19:47 7888 Apr 10 21:02 7888 May 04 21:42 7888 May 28 20:58 7888 Jun 06 14:37 7888 Jun 15 15:30 7888 Jul 15 15:30 7888 Jul 15 19:31 7888 Jul 15 19:31	12° 至40'49 14° 至03'38 16° 至16'00 10° 至55'52 7° 至57'44 8° 至12'06 8° 至17'45 5° 至26'46 30° R M 29° № 43'50 0° 至 1° 至33'00 0° M 29° 至54'06 6° M.36'21 0° ズ 0° 云 0° ※ 0° 米 17° 米30'19 0° Y 0° B 0° II 10° 耳55'33 0° 9 29° \$35'21 29° \$47'51 0° \$6	-7°15'15 7°13'47 0.29009 AU -4.7m 45°48'16	max. Earth dist.  superior conj minimum elong  evening rise  asc. node  desc. node  evening max el greatest brilliancy retrograde evening set inferior conj minimum elong min. Earth dist. morning rise direct greatest brilliancy asc. node	7890 Feb 10 05:28  7890 Feb 13 07:52  7890 Feb 13 02:21  7890 Feb 16 11:47  7890 Mar 12 10:26  7890 Mar 25 09:43  7890 Apr 05 07:59  7890 Apr 29 06:28  7890 May 23 08:28  7890 May 27 20:21  7890 Jul 11 11:08  7890 Aug 05 21:37  7890 Sep 01 14:26  7890 Sep 16 14:36  7890 Sep 16 14:36  7890 Sep 24 16:31  7890 Oct 01 10:27  7890 Nov 02 19:39  7890 Nov 12 08:38  7890 Nov 12 08:38  7890 Nov 29 15:05  7890 Dec 03 16:58  7890 Dec 04 02:19  7890 Dec 04 11:58  7890 Dec 08 13:11  7890 Dec 08 13:11  7890 Dec 08 13:11  7890 Dec 25 02:37  7891 Jan 05 05:28  7891 Feb 03 14:01	22°≈10'15  26°≈02'43 25°≈45'29 0°)€ 0°°° 16°°16'43 0°80 5°934'06 0°80 0°10 15°1044'28 23°1042'34 0°\$√ 21°\$√348'57 23°\$√27'51 17°\$√51'49 15°\$√21'35 15°\$√06'54 14°\$√51'48 12°\$√22'32 7°\$√06'47 9°\$√22'40 10°\$√22'58 0°\$€	-0°22'41 0°22'21 45°39'54 -4.7m -7°14'15 7°12'35 0.28641 AU -4.8m
greatest brilliancy retrograde evening set inferior conj minimum elong min. Earth dist. morning rise direct greatest brilliancy morning max el asc. node  desc. node  superior conj minimum elong max. Earth dist.	7887 Aug 20 03:08 7887 Aug 23 08:48 7887 Sep 03 09:12 7887 Sep 20 00:58 7887 Sep 24 21:16 7887 Sep 24 12:06 7887 Sep 24 08:30 7887 Sep 24 08:30 7887 Sep 24 08:30 7887 Sep 28 23:29 7887 Oct 12 16:35 7887 Oct 16 09:06 7887 Oct 20 03:18 7887 Oct 26 09:27 7887 Dec 04 10:40 7887 Dec 04 08:14 7887 Dec 11 02:37 7888 Jan 02 00:09 7888 Jan 28 02:41 7888 Feb 22 04:01 7888 Mar 17 16:16 7888 Mar 31 19:47 7888 Apr 10 21:02 7888 May 04 21:42 7888 May 04 21:42 7888 May 12 21:05 7888 Jul 15 15:30 7888 Jul 15 15:30 7888 Jul 15 19:31 7888 Jul 15 23:26 7888 Jul 15 23:26 7888 Jul 18 18:23	12° 至40'49 14° 至03'38 16° 至16'00 10° 至55'52 7° 至57'44 8° 至12'06 8° 至17'45 5° 至26'46 30° R 顺 29° 顶 43'50 0° 瓜 29° 至54'06 6° 肌36'21 0° ズ 0° 云 0° ※ 0° 大 17° 光30'19 0° Y 0° B 0° Ⅱ 10° 耳55'33 0° ⑤ 29° ⑤35'21 29° ⑤47'51 0° ん 3° ん27'57	-7°15'15 7°13'47 0.29009 AU -4.7m 45°48'16	max. Earth dist.  superior conj minimum elong  evening rise  asc. node  desc. node evening max el greatest brilliancy retrograde evening set inferior conj minimum elong min. Earth dist. morning rise direct greatest brilliancy	7890 Feb 10 05:28  7890 Feb 13 07:52  7890 Feb 13 02:21  7890 Feb 16 11:47  7890 Mar 12 10:26  7890 Mar 25 09:43  7890 Apr 05 07:59  7890 Apr 29 06:28  7890 May 23 08:28  7890 May 27 20:21  7890 Jul 16 16:50  7890 Jul 11 11:08  7890 Sep 01 14:26  7890 Sep 01 14:26  7890 Sep 16 14:36  7890 Sep 24 16:31  7890 Oct 01 10:27  7890 Nov 02 19:39  7890 Nov 12 08:38  7890 Nov 29 15:05  7890 Dec 03 16:58  7890 Dec 04 02:19  7890 Dec 04 11:58  7890 Dec 05:28  7891 Jan 05 05:28  7891 Feb 03 14:01  7891 Feb 03 14:01  7891 Feb 13 02:52	22°≈10'15  26°≈02'43 25°≈45'29 0°)€ 0°°° 16°°16'43 0°°€ 5°©34'06 0°°€ 0°°€ 15°°€44'28 23°°€42'34 0°√² 21°√²48'57 23°√²27'51 17°√³51'49 15°√²21'35 15°√³06'54 14°√³51'48 12°√²23'32 7°√³06'47 9°√²22'58 0°♂ 9°♂10'30	-0°22'41 0°22'21 45°39'54 -4.7m -7°14'15 7°12'35 0.28641 AU -4.8m
greatest brilliancy retrograde evening set inferior conj minimum elong min. Earth dist. morning rise direct greatest brilliancy morning max el asc. node  desc. node  superior conj minimum elong	7887 Aug 20 03:08 7887 Aug 23 08:48 7887 Sep 03 09:12 7887 Sep 20 00:58 7887 Sep 24 21:16 7887 Sep 24 12:06 7887 Sep 24 08:30 7887 Sep 24 08:30 7887 Sep 28 23:29 7887 Oct 12 16:35 7887 Oct 16 09:06 7887 Oct 20 03:18 7887 Oct 26 09:27 7887 Dec 04 10:40 7887 Dec 04 08:14 7887 Dec 11 02:37 7888 Jan 02 00:09 7888 Jan 28 02:41 7888 Feb 22 04:01 7888 Mar 17 16:16 7888 Mar 31 19:47 7888 Apr 10 21:02 7888 May 04 21:42 7888 May 04 21:42 7888 May 04 21:42 7888 May 12 12:05 7888 Jul 15 15:30 7888 Jul 15 15:30 7888 Jul 15 19:31 7888 Jul 15 23:26 7888 Jul 18 18:23 7888 Jul 22 18:11	12° \$\to 40'49 14° \$\to 03'38 16° \$\to 16'00 10° \$\to 55'52 7° \$\to 57'44 8° \$\to 12'06 8° \$\to 17'45 5° \$\to 26'46 30° R \$\to 29' \$\to 43'50 0° \$\to 10' \$\to 33'00 0° \$\to 29' \$\to 54'06 6° \$\to 36'21 0° \$\to 7' 0° \$\to 00' \$\to 10' \$\to 50' \$\to 10' \$\to 50' \$\to 10' \$\to 50' \$\to 10' \$\t	-7°15'15 7°13'47 0.29009 AU -4.7m 45°48'16	max. Earth dist.  superior conj minimum elong  evening rise  asc. node  desc. node  evening max el greatest brilliancy retrograde evening set inferior conj minimum elong min. Earth dist. morning rise direct greatest brilliancy asc. node	7890 Feb 10 05:28  7890 Feb 13 07:52  7890 Feb 13 02:21  7890 Feb 16 11:47  7890 Mar 12 10:26  7890 Mar 25 09:43  7890 Apr 05 07:59  7890 Apr 29 06:28  7890 May 23 08:28  7890 May 27 20:21  7890 Jun 16 16:50  7890 Jul 11 11:08  7890 Sep 01 14:26  7890 Sep 16 14:36  7890 Sep 16 14:36  7890 Sep 24 16:31  7890 Oct 01 10:27  7890 Nov 02 19:39  7890 Nov 12 08:38  7890 Nov 29 15:05  7890 Dec 03 16:58  7890 Dec 04 02:19  7890 Dec 04 11:58  7890 Dec 04 11:58  7890 Dec 05:28  7891 Jan 05 05:28  7891 Feb 03 14:01  7891 Feb 03 14:01  7891 Feb 13 02:52  7891 Mar 04 19:27	22°≈10'15 26°≈02'43 25°≈45'29 0°)€ 0°° 16°° 16°° 16'43 0°8 0°11 0°9 5°934'06 0°8 0°10 15°104'28 23°104'234 0°\$ 21°\$48'57 23°\$27'51 17°\$51'49 15°\$21'35 15°\$06'54 14°\$51'48 12°\$23'32 7°\$06'54 14°\$51'48 12°\$22'58 0°\$ 9°\$10'30 0°≈	-0°22'41 0°22'21 45°39'54 -4.7m -7°14'15 7°12'35 0.28641 AU -4.8m
greatest brilliancy retrograde evening set inferior conj minimum elong min. Earth dist. morning rise direct greatest brilliancy morning max el asc. node  desc. node  superior conj minimum elong max. Earth dist.	7887 Aug 20 03:08 7887 Aug 23 08:48 7887 Sep 03 09:12 7887 Sep 20 00:58 7887 Sep 24 21:16 7887 Sep 24 12:06 7887 Sep 24 08:30 7887 Sep 24 08:30 7887 Sep 24 08:30 7887 Sep 28 23:29 7887 Oct 12 16:35 7887 Oct 16 09:06 7887 Oct 20 03:18 7887 Oct 26 09:27 7887 Dec 04 10:40 7887 Dec 04 08:14 7887 Dec 11 02:37 7888 Jan 02 00:09 7888 Jan 28 02:41 7888 Feb 22 04:01 7888 Mar 17 16:16 7888 Mar 31 19:47 7888 Apr 10 21:02 7888 May 04 21:42 7888 May 04 21:42 7888 May 12 21:05 7888 Jul 15 15:30 7888 Jul 15 15:30 7888 Jul 15 19:31 7888 Jul 15 23:26 7888 Jul 15 23:26 7888 Jul 18 18:23	12° 至40'49 14° 至03'38 16° 至16'00 10° 至55'52 7° 至57'44 8° 至12'06 8° 至17'45 5° 至26'46 30° R 顺 29° 顶 43'50 0° 瓜 29° 至54'06 6° 肌36'21 0° ズ 0° 云 0° ※ 0° 大 17° 光30'19 0° Y 0° B 0° Ⅱ 10° 耳55'33 0° ⑤ 29° ⑤35'21 29° ⑤47'51 0° ん 3° ん27'57	-7°15'15 7°13'47 0.29009 AU -4.7m 45°48'16	max. Earth dist.  superior conj minimum elong  evening rise  asc. node  desc. node  evening max el greatest brilliancy retrograde evening set inferior conj minimum elong min. Earth dist. morning rise direct greatest brilliancy asc. node	7890 Feb 10 05:28  7890 Feb 13 07:52  7890 Feb 13 02:21  7890 Feb 16 11:47  7890 Mar 12 10:26  7890 Mar 25 09:43  7890 Apr 05 07:59  7890 Apr 29 06:28  7890 May 23 08:28  7890 May 27 20:21  7890 Jul 16 16:50  7890 Jul 11 11:08  7890 Sep 01 14:26  7890 Sep 01 14:26  7890 Sep 16 14:36  7890 Sep 24 16:31  7890 Oct 01 10:27  7890 Nov 02 19:39  7890 Nov 12 08:38  7890 Nov 29 15:05  7890 Dec 03 16:58  7890 Dec 04 02:19  7890 Dec 04 11:58  7890 Dec 05:28  7891 Jan 05 05:28  7891 Feb 03 14:01  7891 Feb 03 14:01  7891 Feb 13 02:52	22°≈10'15  26°≈02'43 25°≈45'29 0°)€ 0°°° 16°°16'43 0°°€ 5°©34'06 0°°€ 0°°€ 15°°€44'28 23°°€42'34 0°√² 21°√²48'57 23°√²27'51 17°√³51'49 15°√²21'35 15°√³06'54 14°√³51'48 12°√²23'32 7°√³06'47 9°√²22'58 0°♂ 9°♂10'30	-0°22'41 0°22'21 45°39'54 -4.7m -7°14'15 7°12'35 0.28641 AU -4.8m

desc. node	7891 Apr 29 07:55	5° <b>Υ</b> 05'53			7893 Dec 02 01:51	0° <b>≈</b>	
dese. Hode	7891 May 19 16:56	0° <b>8</b>		evening max el	7893 Dec 02 01:31 7893 Dec 05 11:21	3°≈18'58	46°05'04
	7891 Jun 13 01:12	0°II		evening max er	7894 Jan 08 13:46	0° <b>∀</b>	40 03 04
	7891 Jul 07 07:47	0. 0.		greatest brilliancy	7894 Jan 14 02:04	2° <b>₩</b> 20'23	-4.8m
	7891 Jul 31 14:43	$0^{\circ}\Omega$		retrograde	7894 Jan 23 20:23	4° <b>₩</b> 06'23	1.0111
morning set	7891 Aug 18 02:10	21° <b>Ω</b> 33'45		asc. node	7894 Feb 04 02:09	1° <b>)</b> (33'44	
asc. node	7891 Aug 20 06:19	24°Ω14'33		evening set	7894 Feb 07 06:38	0° <b>₩</b> 00'16	
use. Houe	7891 Aug 24 22:23	0° mp		evening sec	7894 Feb 07 06:50	30°R≈	
	7891 Sep 18 06:24	0∘ <b>⊽</b>		inferior conj	7894 Feb 13 13:39	26°≈19'13	2°24'39
	, .,	_		minimum elong	7894 Feb 13 08:13		2°23'02
superior conj	7891 Sep 24 08:03	7° <b>ჲ</b> 28'50	1°11'39	min. Earth dist.	7894 Feb 13 18:07		0.27137 AU
minimum elong	7891 Sep 23 23:24	7° <b>£</b> 02'11	1°11'25	morning rise	7894 Feb 19 09:25	22°≈52'32	0.27.27.22
max. Earth dist.	7891 Sep 24 15:48	7° <b>£</b> 52'43	1.73296 AU	direct	7894 Mar 06 08:27	18° <b>≈</b> 26'28	
	7891 Oct 12 14:35	0°M		greatest brilliancy	7894 Mar 16 17:20	20° <b>≈</b> 28'30	-4.9m
evening rise	7891 Oct 30 16:04	22°M14'34		greatest stimuite)	7894 Apr 02 02:17	0° <b>∀</b>	,
0.0000	7891 Nov 05 23:22	0° <b>⊼</b>		morning max el	7894 Apr 25 22:35	21° <b>X</b> 26'10	46°59'32
	7891 Nov 30 09:27	ි ව°0			7894 May 04 05:24	0°Υ	
desc. node	7891 Dec 09 23:27	11° <b>る</b> 45'03		desc. node	7894 May 26 19:57	24° <b>Y</b> 56′23	
dese. node	7891 Dec 24 21:04	0°≈		dese. Hode	7894 May 31 06:05	0°8	
	7892 Jan 18 10:15	0° <b>)</b> €			7894 Jun 25 20:44	0°II	
	7892 Feb 12 02:03	0°Υ			7894 Jul 20 22:00	0°9	
	7892 Mar 08 00:39	°.8			7894 Aug 14 17:38	$0^{\circ}\Omega$	
asc. node	7892 Mar 31 23:05	28° <b>8</b> 01'35			7894 Sep 08 10:10	0° m)	
use. Hous	7892 Apr 02 16:30	0°II		asc. node	7894 Sep 16 18:24	10° <b>m</b> ) 10'19	
	7892 Apr 30 05:09	0.ee		use. House	7894 Oct 02 23:46	0∘ <b>⊽</b>	
evening max el	7892 May 02 06:52	2° <b>©</b> 06'07	46°53'10	morning set	7894 Oct 25 20:35	28° <b>≏</b> 04'07	
e venning man er	7892 Jun 05 04:24	0° <b>Ω</b>	10 23 10	morning sec	7894 Oct 27 10:16	0°M	
greatest brilliancy	7892 Jun 11 03:32	2° <b>Ω</b> 46'01	-4.9m		7894 Nov 20 18:10	0° <b>⊼</b> 7	
retrograde	7892 Jun 21 17:09	4° <b>Ω</b> 51'46	,	max. Earth dist.	7894 Nov 29 19:48	11° <b>х</b> 12'19	1.72988 AU
evening set	7892 Jul 06 21:24	0° <b>Ω</b> 21'08			70717101 = 77110		
o ronning sec	7892 Jul 07 12:32	30°Rூ		superior conj	7894 Dec 01 10:32	13° <b>∡</b> 12'01	1°12'57
inferior conj	7892 Jul 12 19:04	26°5549'36	2°13'18	minimum elong	7894 Dec 01 19:13	13° <b>х</b> 38′54	1°12'52
minimum elong	7892 Jul 13 00:01	26°5941'56		mannam erong	7894 Dec 15 00:22	0°る	
min. Earth dist.	7892 Jul 12 12:51	26°\$59'15	0.27714 AU	desc. node	7895 Jan 06 11:26	27° <b>පි</b> 49'41	
morning rise	7892 Jul 19 03:05	23°504'38	0.27711110	evening rise	7895 Jan 08 09:35	0°≈12'45	
desc. node	7892 Jul 21 17:28	21°5546'18		evening rise	7895 Jan 08 05:28	0° <b>≈</b>	
direct	7892 Aug 02 17:46	18°954'34			7895 Feb 01 09:29	0° <b>)</b> €	
greatest brilliancy	7892 Aug 12 14:37	20°540'48	-4.8m		7895 Feb 25 12:35	0°Υ	
greatest oriniancy	7892 Aug 29 11:09	0° <b>Ω</b>	1.0111		7895 Mar 21 16:08	0°8	
morning max el	7892 Sep 20 15:50	18° <b>Ω</b> 58'18	45°48'49		7895 Apr 14 23:23	0°II	
morning man er	7892 Oct 01 18:40	0° m)		asc. node	7895 Apr 29 10:36	17° <b>Ⅲ</b> 39'53	
	7892 Oct 29 15:27	0∘ <b>ರ</b> ∘ .ಗ		use. Houe	7895 May 09 15:34	0°95	
asc. node	7892 Nov 11 16:46	ა <b>–</b> 14° <b>ჲ</b> 49'04			7895 Jun 04 01:17	$0^{\circ}\Omega$	
use. Hous	7892 Nov 24 18:34	0°M			7895 Jun 30 23:28	0° <b>m</b> )	
	7892 Dec 19 23:41	0° <b>⊼</b> 7		evening max el	7895 Jul 13 13:36	12° <b>m</b> 55'37	46°08'04
	7893 Jan 13 15:32	ි ව°0		evening man er	7895 Aug 01 13:23	0° <b>⊽</b>	
	7893 Feb 06 23:11	0° <b>≈</b>		desc. node	7895 Aug 19 05:07	11° <b>≏</b> 09'32	
desc. node	7893 Mar 03 09:30	0° <b>)</b> €24'51		greatest brilliancy	7895 Aug 21 00:36	11° <b>⊆</b> 53'51	-4.8m
	7893 Mar 03 01:33	0° <b>)</b> €		retrograde	7895 Sep 01 01:54	14° <b>≏</b> 06'41	.,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,
morning set	7893 Mar 20 02:24	21° <b>)</b> 19'16		evening set	7895 Sep 17 14:16	8° <b>£</b> 51'25	
	7893 Mar 27 00:23	0°Υ		min. Earth dist.	7895 Sep 21 23:47		0.28975 AU
	7893 Apr 19 21:14	0°8		inferior conj	7895 Sep 22 13:33	5° <b>≏</b> 48'41	
	, , , , , , , , , , , , , , , , , , ,	• •		minimum elong	7895 Sep 22 04:07	6° <b>ჲ</b> 03'29	
superior conj	7893 Apr 29 23:49	12° <b>8</b> 42'52	-1°27'38	morning rise	7895 Sep 26 18:16	3° <b>£</b> 13'58	
minimum elong	7893 Apr 30 00:33	12° <b>8</b> 45'13		morning rise	7895 Oct 03 00:20	30°R, Mp	
max. Earth dist.	7893 May 01 01:29		1.71249 AU	direct	7895 Oct 14 01:38	27° m) 35'37	
Zarar dibt.	7893 May 13 17:57	0°II		greatest brilliancy	7895 Oct 23 23:48	29° m) 22'57	-4.7m
	7893 Jun 06 16:35	0₀ <b>©</b>		g	7895 Oct 25 25:46	29 <b>ಗ್ಗ</b> 2237	
evening rise	7893 Jun 00 10:33	3° <b>5</b> 27'21		morning max el	7895 Dec 01 23:43	0 <b>=</b> 27° <b>£</b> 43'02	45°47'14
asc. node	7893 Jun 24 08:16	22°900'05		morning max ci	7895 Dec 01 23:43 7895 Dec 04 07:55	0°M	15 1/ 1-T
200. HOUC	7893 Jun 30 18:51	0°Ω		asc. node	7895 Dec 04 07:33 7895 Dec 10 04:43	5°M52'48	
	7893 Jul 25 01:57	0° <b>m</b> y		abe. Houe	7896 Jan 01 15:20	0° <b>⊼</b>	
	7893 Jul 23 01.37 7893 Aug 18 15:21	0∘ <b>ত</b> اللا			7896 Jan 27 15:48	0°중	
	7893 Sep 12 13:46	0°M			7896 Feb 21 16:10	0°≈	
	7893 Oct 08 02:10	0° <b>⊼</b>			7896 Mar 17 03:52	0 <b>∞</b> 0° <b>∀</b>	
desc. node	7893 Oct 14 02:00	6° <b>₹</b> 54'22		desc. node	7896 Mar 30 21:42	0 X 17° <b>¥</b> 00'55	
desc. Hode	7893 Nov 03 13:55	0 x・3422		desc. Hode	7896 Mai 30 21.42 7896 Apr 10 08:18	17 <b>χ</b> 00 33	
	1075 110V US 13.33	υ <b>Ο</b>			,070 11pt 10 00.10	V I	

· ·			· ·	**		, 10	
	7896 May 04 08:45	0° <b>8</b>		inferior conj	7898 Dec 01 08:44	13° <b>∡</b> *09'33	-7°24'58
	7896 May 28 07:52	$\Pi^{\circ}$		minimum elong	7898 Dec 01 17:45	12° <b>∡</b> 55′24	7°23'26
morning set	7896 Jun 04 03:15	8° <b>Ⅱ</b> 31′00		min. Earth dist.	7898 Dec 02 03:24	12° <b>∡</b> ¹40'19	0.28691 AU
	7896 Jun 21 07:54	0ංම		morning rise	7898 Dec 06 01:48	10° <b>∡</b> 16′06	
				direct	7898 Dec 22 18:09	4° <b>∡</b> 753'59	
superior conj	7896 Jul 13 05:46	27°9517'14	-0°20'41	greatest brilliancy	7899 Jan 02 21:49	7° <b>∡</b> 10'16	-4.8m
minimum elong	7896 Jul 13 10:35	27° <b>©</b> 32'14	0°20'34	asc. node	7899 Jan 06 16:24	8° <b>⋠</b> 750′26	
	7896 Jul 15 10:09	$0^{\circ}\Omega$			7899 Feb 03 15:42	0°ರ	
max. Earth dist.	7896 Jul 16 12:01	1° <b>Ω</b> 20′20	1.72384 AU	morning max el	7899 Feb 10 17:58	6° <b>そ</b> 53'33	46°28'08
asc. node	7896 Jul 21 20:13	7° <b>Ω</b> 58'16			7899 Mar 04 12:17	0° <b>≈</b>	
	7896 Aug 08 15:03	0° <b>m</b> )			7899 Mar 30 14:42	0° <b>)</b> €	
evening rise	7896 Aug 20 06:07	14° <b>m</b> 21'50			7899 Apr 24 15:52	$0$ ° $\mathbf{\gamma}$	
	7896 Sep 01 22:40	0∘ <b>⊽</b>		desc. node	7899 Apr 28 09:54	4° <b>Ƴ</b> 33'16	
	7896 Sep 26 09:40	0°M₊			7899 May 19 05:05	$0^{\circ}S$	
	7896 Oct 21 01:22	0° <b>∡</b> ¹			7899 Jun 12 12:53	$\Pi^{\circ}0$	
desc. node	7896 Nov 10 13:43	24° <b>∡</b> ¹43'24			7899 Jul 06 19:06	0ංම	
	7896 Nov 14 23:26	0°₹			7899 Jul 31 01:46	$0$ $^{\circ}$ $\Omega$	
	7896 Dec 10 05:43	0° <b>≈</b>		morning set	7899 Aug 15 18:10	19° <b>Ω</b> 21'16	
	7897 Jan 05 00:12	0° <b>∀</b>		asc. node	7899 Aug 19 08:10	23° <b>Ω</b> 46'31	
	7897 Jan 31 19:53	0°Υ			7899 Aug 24 09:17	0° Mp	
evening max el	7897 Feb 16 06:17	16° <b>Y</b> 07'38	46°51'29		7899 Sep 17 17:14	0∘ <b>⊽</b>	
	7897 Mar 02 22:55	0° <b>8</b>			<b>5</b> 000 G <b>30</b> 01 <b>3</b> 0	50.00111.5	1000110
asc. node	7897 Mar 03 13:38	0° <b>8</b> 32'00	4.0	superior conj	7899 Sep 22 01:28	5° <b>£</b> 21'17	1°09'48
greatest brilliancy	7897 Mar 28 20:19	17° <b>8</b> 03'56 18° <b>8</b> 53'24	-4.9m	minimum elong	7899 Sep 21 16:33	4° <b>£</b> 53'46	1°09'33
retrograde	7897 Apr 07 16:17	_		max. Earth dist.	7899 Sep 22 10:05	5° <b>Ω</b> 47'49	1.73287 AU
evening set	7897 Apr 25 20:02	12° <b>8</b> 35'53	0011144	avanina rias	7899 Oct 12 01:25	0°M,	
inferior conj	7897 Apr 28 08:04	11° <b>8</b> 03'45 11° <b>8</b> 03'37		evening rise	7899 Oct 28 09:29 7899 Nov 05 10:18	20° <b>™</b> 07'04 0° <b>҂</b>	
minimum elong min. Earth dist.	7897 Apr 28 08:09 7897 Apr 28 04:09		9 11 38 0.27121 AU		7899 Nov 29 20:34	0°ਤ ਹ <b>x</b> .	
morning rise	7897 Apr 30 20:22	9° <b>8</b> 31'23	0.2/121 AU	desc. node	7899 Nov 29 20:34 7899 Dec 09 01:32	03 11° <b>3</b> 17'01	
direct	7897 May 18 23:35	3° <b>8</b> 17'09		desc. Hode	7899 Dec 24 08:31	0°≈	
greatest brilliancy	7897 May 18 23:33 7897 May 28 11:00	4° <b>8</b> 58'42	-4.9m		7900 Jan 17 22:11	0° <b>₩</b>	
desc. node	7897 Jun 23 07:50	21° <b>8</b> 41'09	-4.7111		7900 Feb 11 14:43	0° <b>Υ</b>	
dese. Hode	7897 Jul 02 11:40	0°II			7900 Mar 08 14:30	0°8	
morning max el	7897 Jul 08 00:51		46°32'41	asc. node	7900 Apr 01 00:59	27° <b>8</b> 21'42	
moning man vi	7897 Jul 31 11:59	0°ಅ	.0 32 .1	use. Houe	7900 Apr 03 08:37	0°II	
	7897 Aug 27 03:42	$0^{\circ}\Omega$		evening max el	7900 Apr 30 20:55	29° <b>Ⅱ</b> 44'05	46°54'12
	7897 Sep 21 21:36	0° m/p		C	7900 May 01 03:15	0°ಅ	
asc. node	7897 Oct 14 06:35	26° m/35'43			7900 Jun 08 15:59	$0^{\circ}\Omega$	
	7897 Oct 17 02:46	0∘ <del>⊽</del>		greatest brilliancy	7900 Jun 09 18:47	0° <b>Ω</b> 26'31	-4.9m
	7897 Nov 10 22:28	0°M₊		retrograde	7900 Jun 20 08:08	2° <b>£</b> 32′12	
	7897 Dec 05 10:53	0° <b>∡</b> ¹			7900 Jul 01 12:44	30° <b>₹</b> 5	
	7897 Dec 29 18:07	8°0		evening set	7900 Jul 05 13:39	27°958'46	
morning set	7898 Jan 02 22:10	5° <b>ರ</b> 10'05		inferior conj	7900 Jul 11 09:17	24°930'24	2°35'12
	7898 Jan 22 21:46	0° <b>≈</b>		minimum elong	7900 Jul 11 15:01	24°521'33	2°33'20
desc. node	7898 Feb 02 23:24	13° <b>≈</b> 47'54		min. Earth dist.	7900 Jul 11 03:43	24° <b>©</b> 39'01	0.27682 AU
max. Earth dist.	7898 Feb 07 16:32	19° <b>≈</b> 41′02	1.71829 AU	morning rise	7900 Jul 17 16:48	20°5546'32	
				desc. node	7900 Jul 21 19:24	18° <b>5</b> 48'19	
superior conj	7898 Feb 10 20:37	23° <b>≈</b> 38'37		direct	7900 Aug 01 07:27	16°935'36	
minimum elong	7898 Feb 10 15:58	23° <b>≈</b> 24'07	0°18'42	greatest brilliancy	7900 Aug 11 04:40	18°522'33	-4.8m
	7898 Feb 15 22:40	0° <b>∀</b>		_	7900 Aug 31 03:08	0°Ω	
	7898 Mar 11 21:24	0° <b>Υ</b>		morning max el	7900 Sep 19 07:23	16° <b>Ω</b> 45'08	45°49'48
evening rise	7898 Mar 22 21:03	13° <b>Y</b> 47′01			7900 Oct 02 13:52	0° mp	
	7898 Apr 04 19:05	0°8		_	7900 Oct 30 06:13	0∘ <b>ত</b>	
	7898 Apr 28 17:42	U°0 II°0		asc. node	7900 Nov 11 18:48	14° <b>£</b> 15'36	
,	7898 May 22 19:55	0.20 ARE			7900 Nov 25 07:30	0° <b>M</b> 0°. <b>₹</b>	
asc. node	7898 May 26 22:25	5°904'55			7900 Dec 20 11:42	0°⊀ 0° <b>⋜</b>	
	7898 Jun 16 04:38	0° <b>Ω</b>			7901 Jan 14 03:03	5°0	
	7898 Jul 10 23:36	0° <b>™</b>		daga mada	7901 Feb 07 10:26	0° <b>≈</b> 29° <b>≈</b> 56'07	
	7898 Aug 05 11:23	0∘ <b>m</b> 0∘ <b>⊽</b>		desc. node	7901 Mar 03 11:26		
daga mada	7898 Sep 01 07:07	0°M		morning ast	7901 Mar 03 12:40	0° <b>₩</b>	
desc. node	7898 Sep 15 16:32	14°M 59'19	45°40'06	morning set	7901 Mar 18 13:22	18° <b>)</b> 48′28 0° <b>°</b>	
evening max el	7898 Sep 22 06:33 7898 Oct 01 12:57	21° <b>M</b> 27'18 0° <b>∡</b> 7	43 4000		7901 Mar 27 11:28	0° <b>Β</b>	
greatest brilliancy	7898 Oct 01 12:37 7898 Oct 31 10:22	0° <b>×</b> ° 19° <b>×</b> 737'01	-4.7m		7901 Apr 20 08:17	v O	
retrograde	7898 Nov 09 23:47	21° 🖈 16'41	·T. / III	superior conj	7901 Apr 28 10:56	10° <b>8</b> 12'06	-1°27'40
evening set	7898 Nov 27 09:19	15° <b>₹</b> 35'57		minimum elong	7901 Apr 28 10:34	10 81200 10°810'57	
ovening set	1070 1404 21 07.17	10 ^ 3331		mmmum ciong	7701 Apr 20 10.34	10 01037	1 4/73

max. Earth dist.	7901 Apr 29 10:06 7901 May 14 05:00 7901 Jun 07 03:41	11° <b>႘</b> 24'59 0°Ⅲ 0°໑	1.71241 AU	direct greatest brilliancy	7903 Oct 12 17:36 7903 Oct 22 14:35 7903 Oct 29 01:56	25° m/25'36 27° m/11'38 0° <u>∩</u>	-4.7m
evening rise asc. node	7901 Jun 07 22:54 7901 Jun 24 10:14	1°500'01 21°531'33		morning max el	7903 Nov 30 14:05 7903 Dec 05 04:51	25° <b>£</b> 28'08 0° <b>IL</b>	45°46'19
	7901 Jul 01 06:01	$0^{\circ}\Omega$		asc. node	7903 Dec 10 06:44	5°M08′35	
	7901 Jul 25 13:17	0° <b>m</b>			7904 Jan 02 06:38	0° <b>∡</b> ¹	
	7901 Aug 19 03:01 7901 Sep 13 02:04	0° <b>Մ</b>			7904 Jan 28 05:04 7904 Feb 22 04:29	್ %%	
	7901 Oct 08 15:40	0° <b>∡</b> 7			7904 Mar 17 15:39	0° <b>∀</b>	
desc. node	7901 Oct 14 04:02	6° <b>₰</b> "20′24		desc. node	7904 Mar 30 23:41	16° <b>∺</b> 31'10	
	7901 Nov 04 05:53	6°5			7904 Apr 10 19:44	0° <b>Υ</b>	
i1	7901 Dec 03 00:20 7901 Dec 04 02:46	0°≈ 1°≈ •02!57	46902126		7904 May 04 19:56	0°B	
evening max el greatest brilliancy	7901 Dec 04 02:46 7902 Jan 12 15:14	1°≈03'57 29°≈57'56	46°03'36 -4.8m	morning set	7904 May 28 18:53 7904 Jun 02 16:11	6° <b>П</b> 07'03	
<i>g</i> ,	7902 Jan 12 17:39	0° <b>)</b> €			7904 Jun 21 18:47	0ంత	
retrograde	7902 Jan 22 09:50	1° <b>)</b> 43′34					
_	7902 Jan 31 15:33	30°R≈		superior conj	7904 Jul 11 20:19	24°959'41	
asc. node evening set	7902 Feb 04 04:02 7902 Feb 05 19:37	28°≈28'49 27°≈38'12		minimum elong max. Earth dist.	7904 Jul 12 01:54 7904 Jul 15 05:13	25° <b>©</b> 17'04 29° <b>©</b> 11'07	0°24'00 1.72338 AU
inferior conj	7902 Feb 03 19.37 7902 Feb 12 03:01	27 ≈38 12 23°≈56'12	2°01'40	max. Earm dist.	7904 Jul 15 03:13	29 <b>3</b> 1107	1./2556 AU
minimum elong	7902 Feb 11 22:25	24°≈03'16	2°00'18	asc. node	7904 Jul 21 22:06	7° <b>Ω</b> 30'35	
min. Earth dist.	7902 Feb 12 08:13	23° <b>≈</b> 48′13	0.27162 AU		7904 Aug 09 01:50	0° <b>™</b>	
morning rise	7902 Feb 18 00:50	20°≈26'37		evening rise	7904 Aug 18 22:53	12° Mp 12'07	
direct	7902 Mar 04 22:51 7902 Mar 15 07:38	16°≈03'10 18°≈05'20	-4.9m		7904 Sep 02 09:32	0°№ 0°	
greatest brilliancy	7902 Mar 13 07:38 7902 Apr 03 18:03	0° <b>)</b>	-4.9m		7904 Sep 26 20:44 7904 Oct 21 12:49	0°11に 0° <b>ス</b> 7	
morning max el	7902 Apr 24 12:56	19° <b>)(</b> 04'21	46°59'19	desc. node	7904 Nov 10 15:45	24° <b>∡</b> 13'47	
-	7902 May 05 01:05	$0$ ° $\Upsilon$			7904 Nov 15 11:30	8°0	
desc. node	7902 May 26 22:04	24° <b>Y</b> 17'16			7904 Dec 10 18:49	0° <b>≈</b>	
	7902 May 31 21:25	0°B 0°B			7905 Jan 05 15:07	0° <b>ℋ</b> 0°Υ	
	7902 Jun 26 10:12 7902 Jul 21 10:27	0ಂಣ ೧.π		evening max el	7905 Feb 01 14:41 7905 Feb 14 18:50	0° γ 13° <b>Υ</b> 40'56	46°50'13
	7902 Aug 15 05:27	$0^{\circ}\Omega$		asc. node	7905 Mar 03 15:38	29° <b>Y</b> °25'24	.0 0010
	7902 Sep 08 21:32	0° m/			7905 Mar 04 08:03	$9^{\circ}$ 8	
asc. node	7902 Sep 16 20:24	9° <b>m</b> 42'08		greatest brilliancy	7905 Mar 27 10:11	14° <b>8</b> 38'27	-4.9m
	7902 Oct 03 10:49	ე∘ <b>ი</b>		retrograde	7905 Apr 06 04:44	16° <b>8</b> 27'01	
morning set	7902 Oct 24 13:47 7902 Oct 27 21:09	25° <b>£</b> 55'55 0° <b>™</b>		evening set inferior conj	7905 Apr 24 07:46 7905 Apr 26 20:58	10° <b>8</b> 11'46 8° <b>8</b> 37'58	9°11'27
	7902 Nov 21 05:00	0° <b>∡</b> 7		minimum elong	7905 Apr 26 20:03	8° <b>8</b> 39'22	9°11'21
max. Earth dist.	7902 Nov 28 13:18	9° <b>,</b> 704'31	1.73015 AU	min. Earth dist.	7905 Apr 26 17:09	8° <b>8</b> 43'51	0.27105 AU
		=		morning rise	7905 Apr 29 08:24	7° <b>8</b> 06'50	
superior conj minimum elong	7902 Nov 30 03:08 7902 Nov 30 11:27	11° <b>尽</b> 01'25 11° <b>尽</b> 27'06		direct greatest brilliancy	7905 May 17 11:39 7905 May 27 00:19	0° <b>8</b> 51'19 2° <b>8</b> 33'36	-4.9m
minimum eiong	7902 Nov 30 11:27 7902 Dec 15 11:16	11 x·2/00 0°る	1 14 30	desc. node	7905 May 27 00:19 7905 Jun 23 09:41	20° <b>8</b> 37'07	<del>-</del> 4.9III
desc. node	7903 Jan 06 13:21	27° <b>る</b> 21'25		<del></del>	7905 Jul 03 12:36	0°II	
evening rise	7903 Jan 07 00:14	27° <b>る</b> 55'07		morning max el	7905 Jul 06 13:21	2° <b>Ⅱ</b> 58'22	46°34'28
	7903 Jan 08 16:31	0° <b>≈</b>			7905 Aug 01 04:42	0° <b>©</b>	
	7903 Feb 01 20:43 7903 Feb 26 00:01	0° <b>Υ</b> 0° <b>Υ</b>			7905 Aug 27 17:32 7905 Sep 22 10:00	0° <b>N</b> 0° <b>™</b>	
	7903 Mar 22 03:52	0°8		asc. node	7905 Oct 14 08:38	26°Mp06'49	
	7903 Apr 15 11:35	0°Щ			7905 Oct 17 14:23	0∘ <u>⊽</u>	
asc. node	7903 Apr 29 12:43	17° <b>Ⅱ</b> 07'59			7905 Nov 11 09:38	$0^{\circ}$ M	
	7903 May 10 04:37	0°©			7905 Dec 05 21:49	0° <b>∡</b> 7	
	7903 Jun 04 15:56 7903 Jul 01 18:02	0° <b>№</b>		morning set	7905 Dec 30 04:57 7906 Jan 01 13:29	0°궁 2°궁55'10	
evening max el	7903 Jul 12 05:38	10° Mp 42'33	46°09'29	morning set	7906 Jan 23 08:34	2 <b>3</b> 33 10 0° <b>≈</b>	
<i>5</i>	7903 Aug 03 02:05	0∘ <b>ರ</b>	-	desc. node	7906 Feb 03 01:17	13° <b>≈</b> 20'00	
desc. node	7903 Aug 19 07:04	9° <b>ჲ</b> 33'23		max. Earth dist.	7906 Feb 06 06:11	17° <b>≈</b> 19'57	1.71875 AU
greatest brilliancy	7903 Aug 19 16:47	9° <b>Ω</b> 42'49	-4.8m		700 ( F. 1. 00 00 11	210 1	0015110
retrograde evening set	7903 Aug 30 17:52 7903 Sep 16 03:22	11° <b>£</b> 55'24 6° <b>£</b> 45'07		superior conj minimum elong	7906 Feb 09 09:10 7906 Feb 09 05:25	21°≈14'05 21°≈02'22	
min. Earth dist.	7903 Sep 16 03:22 7903 Sep 20 15:21	6° <b>±</b> 45'07 4° <b>£</b> 00'17	0.28942 AU	behind sun begin	7906 Feb  09  05:25 7906 Feb  08  20:06	21°≈02′22 20°≈33'15	0 13 02
inferior conj	7903 Sep 20 13:21 7903 Sep 21 05:37	3° <b>⊆</b> 37'53		behind sun end	7906 Feb 09 14:45	21°≈31'29	
minimum elong	7903 Sep 20 19:58	3° <b>ჲ</b> 53'02	6°50'55		7906 Feb 16 09:31	0° <b>∀</b>	
morning rise	7903 Sep 25 12:54	0° <b>£</b> 59'12			7906 Mar 12 08:21	0°Υ •	
	7903 Sep 27 06:19	30°R, Mp		evening rise	7906 Mar 21 08:26	11° <b>Y</b> 17'42	

	7906 Apr 05 06:08	$9^{\circ}$ 8			7908 Oct 29 20:19	0∘ <b>⊽</b>	
	7906 Apr 29 04:54	$\Pi$ $^{\circ}0$		asc. node	7908 Nov 10 20:47	13° <b>≏</b> 43'32	
	7906 May 23 07:17	0			7908 Nov 24 19:53	0° <b>M</b> ₊	
asc. node	7906 May 27 00:22	4° <b>©</b> 35'39			7908 Dec 19 23:15	0° <b>∡</b> 7	
	7906 Jun 16 16:20	$0^{\circ}\Omega$			7909 Jan 13 14:11	8°0	
	7906 Jul 11 11:56	O° Mp			7909 Feb 06 21:22	0° <b>≈</b>	
	7906 Aug 06 01:02	0∘ <b>ত</b>		desc. node	7909 Mar 02 13:30	29° <b>≈</b> 28'40	
	7906 Sep 01 23:50	0°M₊			7909 Mar 02 23:32	0° <b>)</b> €	
desc. node	7906 Sep 15 18:33	14° <b>M</b> .14'27		morning set	7909 Mar 16 00:07	16° <b>) 1</b> 7′58	
evening max el	7906 Sep 20 21:04	19°M13'56	45°40'14		7909 Mar 26 22:15	$0^{\circ}$ Y	
	7906 Oct 02 16:49	0° <b>∡</b> ¹			7909 Apr 19 19:01	0°B	
greatest brilliancy	7906 Oct 30 00:21	17° <b>∡</b> ¹24'45	-4.7m		•		
retrograde	7906 Nov 08 15:20	19° <b>∡</b> ¹05'54		superior conj	7909 Apr 25 21:45	7° <b>と</b> 41'23	-1°27'31
evening set	7906 Nov 26 03:26	13° <b>∡</b> 20′26		minimum elong	7909 Apr 25 20:16	7° <b>8</b> 36'44	
inferior conj	7906 Nov 30 00:27	10° <b>₹</b> 57'42	-7°34'56	max. Earth dist.	7909 Apr 26 19:41	_	1.71228 AU
minimum elong	7906 Nov 30 09:06	10° <b>∡</b> 744'11	7°33'33		7909 May 13 15:43	0°II	
min. Earth dist.	7906 Nov 30 18:29	10° <b>≯</b> 29'31	0.28745 AU	evening rise	7909 Jun 05 10:35	28° <b>Ⅲ</b> 33'01	
morning rise	7906 Dec 04 14:25	8° <b>×</b> 09'01			7909 Jun 06 14:25	0 - - -	
direct	7906 Dec 21 10:12	2° <b>х</b> 41'24		asc. node	7909 Jun 23 12:08	21° <b>©</b> 03'52	
greatest brilliancy	7907 Jan 01 13:56	4°×758'00	-4.8m	ase. node	7909 Jun 30 16:51	0°Ω	
asc. node	7907 Jan 06 18:17	7° <b>×</b> 721'09	1.0111		7909 Jul 25 00:17	0° m)	
use. Houe	7907 Feb 04 16:00	0°る			7909 Aug 18 14:19	0∘ <b>⊽</b>	
morning max el	7907 Feb 04 10:00 7907 Feb 09 09:54	0 3 4° <b>3</b> 39'05	46°26'32		7909 Rug 18 14:19 7909 Sep 12 13:58	0°M.	
morning max cr	7907 Pc6 09 09:34 7907 Mar 05 04:40	4 <b>O</b> 3903	40 20 32		7909 Sep 12 13:38 7909 Oct 08 04:46	0° <b>⊼</b> ¹	
	7907 Mar 33 04:40	0° <b>∺</b>		desc. node	7909 Oct 08 04:40 7909 Oct 13 06:05	5° <b>×1</b> 47'48	
		0°Υ		desc. node	7909 Nov 03 21:32	0°る	
daga mada	7907 Apr 25 04:29	4° <b>Υ</b> 01'32		avanina may al		0 8 28° <b>る</b> 49'35	46901159
desc. node	7907 Apr 28 11:56			evening max el	7909 Dec 01 17:46	28° <b>⊙</b> 49′33	46°01'58
	7907 May 19 17:00	0° <b>Β</b>			7909 Dec 02 23:08		4.0
	7907 Jun 13 00:18	0° <b>I</b> I		greatest brilliancy	7910 Jan 10 04:52	27°≈37'36	-4.8m
	7907 Jul 07 06:11	0° <b>©</b>		retrograde	7910 Jan 19 22:47	29°≈22'13	
	7907 Jul 31 12:34	0° <b>Ω</b>		evening set	7910 Feb 03 08:55	25°≈17'18	
morning set	7907 Aug 14 10:28	17° <b>Ω</b> 10'35		asc. node	7910 Feb 03 06:06	25°≈21'03	1020120
asc. node	7907 Aug 19 10:11	23° <b>Ω</b> 19'57		inferior conj	7910 Feb 09 16:28	21° <b>≈</b> 34'39	1°38'29
	7907 Aug 24 19:53	0° <b>т</b> р		minimum elong	7910 Feb 09 12:43	21°≈40'25	1°37'23
	7907 Sep 18 03:43	0∘ <b>⊽</b>		min. Earth dist.	7910 Feb 09 22:41	21° <b>≈</b> 25'05	0.27195 AU
				morning rise	7910 Feb 15 16:08	18°≈02'09	
superior conj	7907 Sep 20 19:10	3° <b>£</b> 15'33		direct	7910 Mar 02 13:01	13° <b>≈</b> 41′09	
minimum elong	7907 Sep 20 10:01	2° <b>≏</b> 47'23		greatest brilliancy	7910 Mar 12 22:34	15° <b>≈</b> 43'46	-4.9m
max. Earth dist.	7907 Sep 21 07:06		1.73276 AU		7910 Apr 04 05:29	0° <b>∀</b>	
	7907 Oct 12 11:55	0°M		morning max el	7910 Apr 22 02:25	16° <b>)</b> 40′59	46°59'01
evening rise	7907 Oct 27 03:15	18°M01'36			7910 May 04 19:58	0° <b>Υ</b>	
	7907 Nov 05 20:55	0° <b>∡</b> ″		desc. node	7910 May 25 23:57	23° <b>Y</b> ′38'37	
	7907 Nov 30 07:26	0°రె			7910 May 31 12:16	0°B	
desc. node	7907 Dec 09 03:26	10° <b>る</b> 49'08			7910 Jun 25 23:14	$\Pi$ °0	
	7907 Dec 24 19:45	0° <b>≈</b>			7910 Jul 20 22:29	0ಂ <b>ತಾ</b>	
	7908 Jan 18 09:57	0° <b>∀</b>			7910 Aug 14 16:50	$0$ $\circ$ $\Omega$	
	7908 Feb 12 03:15	$0$ ° $\mathbf{\Upsilon}$			7910 Sep 08 08:28	0° <b>m</b> )	
	7908 Mar 08 04:14	0°8		asc. node	7910 Sep 15 22:25	9° <b>m</b> ) 15'12	
asc. node	7908 Mar 31 03:05	26° <b>8</b> 42'47			7910 Oct 02 21:28	0∘ <b>⊽</b>	
	7908 Apr 03 00:43	$\Pi$ $^{\circ}0$		morning set	7910 Oct 22 07:18	23° <b>≏</b> 49'55	
evening max el	7908 Apr 28 11:48	27° <b>Ⅱ</b> 24'57	46°55'13		7910 Oct 27 07:37	0° <b>M</b>	
	7908 May 01 01:54	$0$ $\circ$ $\odot$			7910 Nov 20 15:24	0° <b>∡</b>	
greatest brilliancy	7908 Jun 07 09:44	28° <b>©</b> 07'31	-4.9m	max. Earth dist.	7910 Nov 26 06:00	6° <b>₹</b> 55'39	1.73039 AU
	7908 Jun 14 15:15	$0^{\circ}\Omega$					
retrograde	7908 Jun 17 23:20	0° <b>Ω</b> 13'16		superior conj	7910 Nov 27 20:18	8° <b>∡</b> 53′57	1°16'15
	7908 Jun 21 06:10	30° <b>₹</b> 5		minimum elong	7910 Nov 28 04:10	9° <b>∡</b> 18'16	1°16'12
evening set	7908 Jul 03 06:04	25° <b>©</b> 37'01			7910 Dec 14 21:45	0°₹	
inferior conj	7908 Jul 08 23:27	22°©11'51	2°56'55	evening rise	7911 Jan 04 15:23	25° <b>る</b> 40'29	
minimum elong	7908 Jul 09 05:55	22° <b>©</b> 01'52	2°54'51	desc. node	7911 Jan 05 15:18	26° <b>る</b> 54'37	
min. Earth dist.	7908 Jul 08 18:17	22° <b>©</b> 19'50	0.27648 AU		7911 Jan 08 03:08	0° <b>≈</b>	
morning rise	7908 Jul 15 06:14	18° <b>5</b> 29'25			7911 Feb 01 07:32	0° <b>∀</b>	
desc. node	7908 Jul 20 21:22	15° <b>©</b> 55'45			7911 Feb 25 11:08	$0^{\circ}$ Y	
direct	7908 Jul 29 21:36	14° <b>©</b> 17'31			7911 Mar 21 15:21	0°8	
greatest brilliancy	7908 Aug 08 18:08	16° <b>©</b> 04'30	-4.8m		7911 Apr 14 23:37	$\Pi^{\circ}0$	
	7908 Aug 31 14:32	$0^{\circ}\Omega$		asc. node	7911 Apr 28 14:37	16° <b>Ⅱ</b> 36′04	
morning max el	7908 Sep 16 23:14	14° <b>Ω</b> 33'56	45°50'56		7911 May 09 17:31	$0$ $\circ$ $\odot$	
	7908 Oct 02 08:02	0° <b>m</b>			7911 Jun 04 06:31	$0^{\circ}\Omega$	

	7011 1 1 01 12 46	00 70			7012 D 05 00 24	00.7	
	7911 Jul 01 12:46	0° <b>m</b> )	46011105		7913 Dec 05 08:34	0°⊀ ∘∘ <b>≺</b>	
evening max el	7911 Jul 09 20:42	8° Mp 27'51	46°11'05		7913 Dec 29 15:36	0°る	
	7911 Aug 03 18:33	0∘ <b>⊽</b>		morning set	7913 Dec 30 05:07	0° <b>る</b> 41'53	
greatest brilliancy	7911 Aug 17 09:14	7° <b>£</b> 32'59	-4.8m		7914 Jan 22 19:12	0° <b>≈</b>	
desc. node	7911 Aug 18 09:07	7° <b>≙</b> 54'57		desc. node	7914 Feb 02 03:22	12° <b>≈</b> 53'15	
retrograde	7911 Aug 28 09:36	9° <b>≏</b> 45'20		max. Earth dist.	7914 Feb 03 21:38	15° <b>≈</b> 05'07	1.71916 AU
evening set	7911 Sep 13 16:33	4° <b>≏</b> 39'46					
inferior conj	7911 Sep 18 21:45	1° <b>≏</b> 28'19		superior conj	7914 Feb 06 22:13	18° <b>≈</b> 51'40	
minimum elong	7911 Sep 18 11:56	1° <b>≏</b> 43'45	6°38'30	minimum elong	7914 Feb 06 19:23	18° <b>≈</b> 42'48	0°11'23
min. Earth dist.	7911 Sep 18 07:14	1° <b>≙</b> 51'07	0.28904 AU	behind sun begin	7914 Feb 06 01:25	17° <b>≈</b> 46'44	
	7911 Sep 21 06:18	30°R Mp		behind sun end	7914 Feb 07 13:20	19° <b>≈</b> 38'52	
morning rise	7911 Sep 23 07:36	28° Mp 45'40			7914 Feb 15 20:11	0° <b>∀</b>	
direct	7911 Oct 10 09:05	23° Mp 16'42			7914 Mar 11 19:05	$0^{\circ}$ Y	
greatest brilliancy	7911 Oct 20 06:01	25° Mp 02'11	-4.7m	evening rise	7914 Mar 18 20:26	8° <b>Ƴ</b> 51′03	
	7911 Oct 30 14:08	0∘ <b>⊽</b>			7914 Apr 04 16:59	$9^{\circ}$ 8	
morning max el	7911 Nov 28 04:12	23° <b>≙</b> 13'50	45°45'40		7914 Apr 28 15:54	$\Pi$ $\circ$ 0	
	7911 Dec 05 00:36	$0^{\circ}$ M			7914 May 22 18:32	0°€	
asc. node	7911 Dec 09 08:34	4°M25'47		asc. node	7914 May 26 02:17	4° <b>©</b> 06'36	
	7912 Jan 01 21:15	0° <b>∡</b> ¹			7914 Jun 16 04:00	$0^{\circ}\Omega$	
	7912 Jan 27 17:48	ರ°0			7914 Jul 11 00:21	0° <b>m</b> )	
	7912 Feb 21 16:20	0° <b>≈</b>			7914 Aug 05 14:52	0∘ <b>ত</b>	
	7912 Mar 17 03:01	0° <b>)</b> €			7914 Sep 01 17:00	0° <b>M</b> .	
desc. node	7912 Mar 30 01:41	16° <b>)</b> €02'33		desc. node	7914 Sep 14 20:35	13° <b>M</b> 28'41	
	7912 Apr 10 06:50	$0^{\circ}\mathbf{\Upsilon}$		evening max el	7914 Sep 18 12:22	17° <b>M</b> 02'19	45°40'35
	7912 May 04 06:52	$8^{\circ}$			7914 Oct 02 22:44	0° <b>∡</b> ¹	
	7912 May 28 05:42	$\Pi^{\circ}0$		greatest brilliancy	7914 Oct 27 13:53	15° <b>∡</b> 12'08	-4.7m
morning set	7912 May 31 04:28	3° <b>Ⅱ</b> 41'34		retrograde	7914 Nov 06 07:10	16° <b>₹</b> ′55'02	
	7912 Jun 21 05:29	0°€		evening set	7914 Nov 23 21:27	11° <b>∡</b> ¹05′06	
				inferior conj	7914 Nov 27 16:08	8° <b>∡</b> ¹45'47	-7°44'11
superior conj	7912 Jul 09 10:17	22°540'53	-0°27'38	minimum elong	7914 Nov 28 00:21	8° <b>∡</b> ³32'56	7°42'58
minimum elong	7912 Jul 09 16:37	23° <b>©</b> 00'37	0°27'28	min. Earth dist.	7914 Nov 28 09:04	8° <b>∡</b> 19'20	0.28793 AU
max. Earth dist.	7912 Jul 12 19:27	26°©53'14	1.72287 AU	morning rise	7914 Dec 02 02:58	6° <b>∡</b> 101'54	
	7912 Jul 15 07:34	$0^{\circ}\Omega$		direct	7914 Dec 19 02:41	0° <b>∡</b> ′29′01	
asc. node	7912 Jul 21 00:06	7° <b>Ω</b> 03'54		greatest brilliancy	7914 Dec 30 05:20	2° <b>∡</b> ¹45′04	-4.8m
	7912 Aug 08 12:24	0° <b>m</b>		asc. node	7915 Jan 05 20:24	5° <b>∡</b> 755'11	
evening rise	7912 Aug 16 15:14	10° Mp 01'43			7915 Feb 04 15:10	0°ರ	
-	7912 Sep 01 20:10	0∘ <b>ত</b>		morning max el	7915 Feb 07 02:16	2° <b>る</b> 26'03	46°24'57
	7912 Sep 26 07:35	0°M,			7915 Mar 04 20:43	0° <b>≈</b>	
	7912 Oct 21 00:02	0° <b>∡</b> ¹			7915 Mar 30 18:09	0° <b>₩</b>	
desc. node	7912 Nov 09 17:39	23° <b>∡</b> ¹44'28			7915 Apr 24 16:56	$0^{\circ}\mathbf{\Upsilon}$	
	7912 Nov 14 23:21	0°రె		desc. node	7915 Apr 27 13:49	3° <b>Y</b> 29'38	
	7912 Dec 10 07:41	0° <b>≈</b>			7915 May 19 04:47	0°B	
	7913 Jan 05 05:50	0° <b>∀</b>			7915 Jun 12 11:39	$\Pi^{\circ}0$	
	7913 Feb 01 09:32	$0^{\circ}\mathbf{\Upsilon}$			7915 Jul 06 17:13	0°©	
evening max el	7913 Feb 12 07:12	11° <b>Y</b> 15'09	46°48'57		7915 Jul 30 23:24	$0^{\circ}\Omega$	
asc. node	7913 Mar 02 17:39	28° <b>Ƴ</b> 18'11		morning set	7915 Aug 12 02:29	14° <b>Ω</b> 58'37	
	7913 Mar 04 19:46	0° <b>႘</b>		asc. node	7915 Aug 18 12:12	22° <b>Ω</b> 53′02	
greatest brilliancy	7913 Mar 24 23:19	12° <b>8</b> 13'10	-4.9m		7915 Aug 24 06:35	0° <b>m</b> y	
retrograde	7913 Apr 03 17:18	14° <b>8</b> 01'46			7915 Sep 17 14:22	0∘ <b>⊽</b>	
evening set	7913 Apr 21 18:44	7° <b>8</b> 49'22			-		
inferior conj	7913 Apr 24 09:51	6° <b>8</b> 12'53	9°09'57	superior conj	7915 Sep 18 12:22	1° <b>≏</b> 07'50	1°05'47
minimum elong	7913 Apr 24 07:56	6° <b>8</b> 15'50	9°09'50	minimum elong	7915 Sep 18 03:04	0° <b>ჲ</b> 39'12	1°05'29
min. Earth dist.	7913 Apr 24 05:54	6° <b>8</b> 18'59	0.27098 AU	max. Earth dist.	7915 Sep 19 04:08	1° <b>≏</b> 56'28	1.73264 AU
morning rise	7913 Apr 26 21:11	4° <b>8</b> 42'02			7915 Oct 11 22:33	0°M₊	
<i>5 2 3 3 3 3 3 3 3 3 3 3</i>	7913 May 06 05:59	30°RY		evening rise	7915 Oct 24 20:36	15°M54'25	
direct	7913 May 14 23:59	28° <b>Y</b> 25'55		8	7915 Nov 05 07:40	0° <b>⊼</b> ¹	
	7913 May 24 02:52	0°8			7915 Nov 29 18:25	0°ਰ	
greatest brilliancy	7913 May 24 13:40	0° <b>8</b> 09'07	-4.9m	desc. node	7915 Dec 08 05:23	10° <b>る</b> 21'07	
desc. node	7913 Jun 22 11:41	19° <b>8</b> 35'14		· · · <del>- v · · ·</del>	7915 Dec 24 07:08	0° <b>≈</b>	
·	7913 Jul 03 12:17	0° <b>I</b>			7916 Jan 17 21:53	0° <b>∀</b>	
morning max el	7913 Jul 04 02:43	0° <b>П</b> 35'42	46°36'05		7916 Feb 11 15:57	0° <b>Υ</b>	
	7913 Jul 31 21:04	0°95	<del>-</del>		7916 Mar 07 18:10	0°8	
	7913 Aug 27 07:11	$0^{\circ}\Omega$		asc. node	7916 Mar 30 05:02	26° <b>8</b> 02'53	
	7913 Aug 27 07:11 7913 Sep 21 22:15	0° <b>m</b>			7916 Apr 02 17:09	0°Ⅱ	
asc. node	7913 Oct 13 10:32	25° mp 37'56		evening max el	7916 Apr 26 03:17	25° <b>Ⅱ</b> 07'20	46°56'15
	7913 Oct 17 10:32 7913 Oct 17 01:49	ე∘ <b>ი</b>		J. J	7916 May 01 01:32	0°95	.0 0010
	7913 Nov 10 20:37	0° <b>m</b> .		greatest brilliancy	7916 Jun 05 00:53	25° <b>5</b> 49'02	-4.9m
		<del>.</del>		oy	00 00.00	17 02	

retrograde	7916 Jun 15 14:32	27° <b>©</b> 54'24		minimum elong	7918 Nov 25 20:45	7° <b>∡</b> 707'49	1°17'42
evening set	7916 Jun 30 22:46	23°915'27		g	7918 Dec 14 08:38	0°ਰ	1 1, 12
inferior conj	7916 Jul 06 13:44	19° <b>©</b> 53'25	3°18'12	evening rise	7919 Jan 02 06:18	23° <b>る</b> 23'59	
minimum elong	7916 Jul 06 20:53	19°542'23	3°15'58	desc. node	7919 Jan 04 17:22	26° <b>පි</b> 26'54	
min. Earth dist.	7916 Jul 06 08:50	20°500'59	0.27617 AU		7919 Jan 07 14:10	0° <b>≈</b>	
morning rise	7916 Jul 12 19:32	16° <b>©</b> 12'33			7919 Jan 31 18:46	0° <b>∀</b>	
desc. node	7916 Jul 19 23:26	13° <b>©</b> 08'21			7919 Feb 24 22:37	$0^{\circ}\mathbf{\Upsilon}$	
direct	7916 Jul 27 12:13	11° <b>©</b> 59'43			7919 Mar 21 03:13	$8^{\circ}$ 0	
greatest brilliancy	7916 Aug 06 07:28	13°5546'04	-4.8m		7919 Apr 14 12:02	$\Pi^{\circ}0$	
	7916 Aug 31 23:03	$0^{\circ}\Omega$		asc. node	7919 Apr 27 16:33	16° <b>Ⅱ</b> 03'02	
morning max el	7916 Sep 14 14:31	12° <b>Ω</b> 20'47	45°51'47		7919 May 09 06:51	$0$ $\circ$ $\odot$	
	7916 Oct 02 02:01	0° <b>m</b>			7919 Jun 03 21:38	$0^{\circ}\Omega$	
	7916 Oct 29 10:33	0。 <b>亚</b>			7919 Jul 01 08:25	0° <b>m</b> ∕	
asc. node	7916 Nov 09 22:40	13° <b>≏</b> 10′29		evening max el	7919 Jul 07 11:05	6° Mp 10′22	46°12'49
	7916 Nov 24 08:29	$0^{\circ}$ M			7919 Aug 04 17:28	0∘ <b>⊽</b>	
	7916 Dec 19 11:01	0°⊀		greatest brilliancy	7919 Aug 15 01:31	5° <b>£</b> 22'00	-4.8m
	7917 Jan 13 01:31	0°ಕ		desc. node	7919 Aug 17 11:05	6° <b>£</b> 12'01	
	7917 Feb 06 08:30	0°≈		retrograde	7919 Aug 26 01:28	7° <b>≏</b> 34'42	
desc. node	7917 Mar 01 15:24	29° <b>≈</b> 00'07		evening set	7919 Sep 11 05:52	2° <b>ഫ</b> 33′20	
	7917 Mar 02 10:34	0° <b>∀</b>			7919 Sep 15 11:13	30°R Mp	
morning set	7917 Mar 13 10:57	13° <b>)</b> 47′07		min. Earth dist.	7919 Sep 15 23:14	29° <b>m</b> 41'10	0.28867 AU
	7917 Mar 26 09:14	$0$ ° $\mathbf{\Upsilon}$		inferior conj	7919 Sep 16 13:56	29° <b>m</b> 18'04	-6°27'30
	7917 Apr 19 05:58	$9^{\circ}$ 8		minimum elong	7919 Sep 16 04:00	29° <b>m</b> 33'41	6°25'32
				morning rise	7919 Sep 21 02:23	26°My31'34	
superior conj	7917 Apr 23 08:43	5° <b>8</b> 10'31		direct	7919 Oct 08 00:21	21°Mp06'54	
minimum elong	7917 Apr 23 06:10	5° <b>8</b> 02'30		greatest brilliancy	7919 Oct 17 21:55	22° <b>m</b> 52'32	-4.7m
max. Earth dist.	7917 Apr 24 02:48		1.71213 AU		7919 Oct 31 16:00	0ಂ <b>ಹ</b>	
	7917 May 13 02:39	$\Pi$ °0		morning max el	7919 Nov 25 18:36	20° <b>≏</b> 59'14	45°44'55
evening rise	7917 Jun 02 22:19	26° <b>Ⅱ</b> 05'32			7919 Dec 04 20:11	0°M₊	
	7917 Jun 06 01:21	$0_{\circ}$ වෙ		asc. node	7919 Dec 08 10:41	3°M43'09	
asc. node	7917 Jun 22 14:11	20°536'10			7920 Jan 01 12:09	0° <b>∡</b>	
	7917 Jun 30 03:51	$0^{\circ}\Omega$			7920 Jan 27 06:57	0° <b>ට</b>	
	7917 Jul 24 11:28	0° <b>m</b>			7920 Feb 21 04:37	0° <b>≈</b>	
	7917 Aug 18 01:52	0∘ <b>⊽</b>			7920 Mar 16 14:48	0° <b>∀</b>	
	7917 Sep 12 02:13	0°M		desc. node	7920 Mar 29 03:37	15° <b>)</b> 32′27	
	7917 Oct 07 18:21	0° ⊀ <b>7</b>			7920 Apr 09 18:19	0° <b>Υ</b>	
desc. node	7917 Oct 12 07:57	5° ₹ 13'21			7920 May 03 18:08	0° <b>B</b>	
	7917 Nov 03 13:54	0°る	4.600.012.4	. ,	7920 May 27 16:51	0°II	
evening max el	7917 Nov 29 07:51	26° <b>ප</b> 31'49	46°00'24	morning set	7920 May 28 16:33	1° <b>Ⅱ</b> 14'15	
	7917 Dec 02 23:32	0°≈ 25°≈ ≈1.(150	4 0		7920 Jun 20 16:32	0ංම	
greatest brilliancy	7918 Jan 07 19:02	25°≈16'50	-4.8m		7020 Il 07 00.12	200620147	0921104
retrograde	7918 Jan 17 11:17 7918 Jan 31 22:23	26°≈59'58 22°≈55'04		superior conj	7920 Jul 07 00:12 7920 Jul 07 07:17	20°520'47 20°542'48	0°30'53
evening set asc. node	7918 Jan 31 22.23 7918 Feb 02 08:05	22 ≈33 04 22°≈08'49		minimum elong max. Earth dist.	7920 Jul 07 07:17 7920 Jul 10 07:57	20 \$34248 24°\$28'50	
inferior conj	7918 Feb 02 08:05 7918 Feb 07 05:56	19°≈12'20	1°15'20	max. Earth dist.	7920 Jul 10 07:37 7920 Jul 14 18:31	0°Ω	1.72238 AU
minimum elong	7918 Feb 07 03:03	19°≈16'47	1°14'30	asc. node	7920 Jul 20 02:07	6° <b>Ω</b> 36'11	
min. Earth dist.	7918 Feb 07 03:03	19°≈00'44	0.27228 AU	asc. node	7920 Aug 07 23:19	0° <b>m</b>	
morning rise	7918 Feb 13 07:14	15°≈37'06	0.27220710	evening rise	7920 Aug 14 07:39	7° <b>m</b> y 50'29	
direct	7918 Feb 28 02:39	13 <b>≈</b> 37 00			7920 Sep 01 07:09	ე° <b>亞</b>	
greatest brilliancy	7918 Mar 10 13:59	13°≈21'54	-4 9m		7920 Sep 25 18:46	0° <b>M</b>	
oy	7918 Apr 04 14:17	0° <b>∀</b>			7920 Oct 20 11:37	0° <b>⊼</b> ¹	
morning max el	7918 Apr 19 15:00	14° <b>) (</b> 14′22	46°58'42	desc. node	7920 Nov 08 19:41	23° <b>х'</b> 14'31	
	7918 May 04 14:39	0°Υ			7920 Nov 14 11:36	0°ਰ	
desc. node	7918 May 25 01:55	22° <b>Y</b> 59'41			7920 Dec 09 21:04	0° <b>≈</b>	
	7918 May 31 03:12	0°8			7921 Jan 04 21:16	0° <b>)</b> €	
	7918 Jun 25 12:28	0°II			7921 Feb 01 05:35	$0^{\circ}\Upsilon$	
	7918 Jul 20 10:44	0°©		evening max el	7921 Feb 09 20:08	8° <b>Ƴ</b> 49'19	46°47'39
	7918 Aug 14 04:27	$0^{\circ}\Omega$		asc. node	7921 Mar 01 19:35	27° <b>Ƴ</b> 07'07	
	7918 Sep 07 19:39	0° <b>m</b> p			7921 Mar 05 12:27	0°8	
asc. node	7918 Sep 15 00:18	8° <b>m</b> 47'05		greatest brilliancy	7921 Mar 22 11:47	9° <b>8</b> 45'21	-4.9m
	7918 Oct 02 08:23	0∘ <b>⊽</b>		retrograde	7921 Apr 01 06:20	11° <b>8</b> 34'45	
morning set	7918 Oct 20 00:41	21° <b>≏</b> 42'34		evening set	7921 Apr 19 05:00	5° <b>8</b> 25'49	
	7918 Oct 26 18:24	0°M		inferior conj	7921 Apr 21 22:34	3° <b>8</b> 45'53	9°07'31
	7918 Nov 20 02:12	0° <b>∡</b> ¹		minimum elong	7921 Apr 21 19:40	3° <b>8</b> 50'21	9°07'20
max. Earth dist.	7918 Nov 23 21:59	4° <b>∡</b> °43′26	1.73069 AU	min. Earth dist.	7921 Apr 21 18:06	3° <b>8</b> 52'45	0.27087 AU
				morning rise	7921 Apr 24 10:22	2° <b>8</b> 14'34	
superior conj	7918 Nov 25 13:20	6° <b>≯</b> 44'56	1°17'43		7921 Apr 28 08:25	30° <b>₹Ƴ</b>	

direct	7921 May 12 12:36	25° <b>Y</b> 58'49			7923 Oct 11 09:18	0° <b>M</b> ₊	
greatest brilliancy	7921 May 22 02:17	27° <b>Ƴ</b> 42'28	-4.9m	evening rise	7923 Oct 22 14:11	13° <b>M</b> 47'37	
	7921 May 27 11:39	$_{0\circ}$ 8			7923 Nov 04 18:32	0° <b>∡</b> ¹	
desc. node	7921 Jun 21 13:49	18° <b>8</b> 34'05			7923 Nov 29 05:30	0°ප	
morning max el	7921 Jul 01 16:46	28° <b>8</b> 13'46	46°37'42	desc. node	7923 Dec 07 07:29	9° <b>ප</b> 53'19	
	7921 Jul 03 11:20	$\Pi$ $^{\circ}0$			7923 Dec 23 18:35	0° <b>≈</b>	
	7921 Jul 31 13:26	$0$ $\circ$ $\odot$			7924 Jan 17 09:52	0° <b>∀</b>	
	7921 Aug 26 20:59	$0^{\circ}\Omega$			7924 Feb 11 04:45	$0^{\circ}$ Y	
	7921 Sep 21 10:43	O° Mp			7924 Mar 07 08:19	$_{0\circ}$ 8	
asc. node	7921 Oct 12 12:30	25° № 08'24		asc. node	7924 Mar 29 06:57	25° <b>8</b> 22'07	
	7921 Oct 16 13:31	0० <b>⊽</b>			7924 Apr 02 10:03	$\Pi^{\circ}$	
	7921 Nov 10 07:53	$0^{\circ}$ M.		evening max el	7924 Apr 23 18:26	22° <b>Ⅱ</b> 48′02	46°56'55
	7921 Dec 04 19:35	0° <b>∡</b> ¹			7924 May 01 02:40	$0$ $\circ$ $\odot$	
morning set	7921 Dec 27 21:04	28° <b>∡</b> ¹28'47		greatest brilliancy	7924 Jun 02 16:28	23° <b>5</b> 29'50	-4.9m
	7921 Dec 29 02:31	0° <b>ට</b>		retrograde	7924 Jun 13 05:08	25° <b>©</b> 33'54	
	7922 Jan 22 06:08	0° <b>≈</b>		evening set	7924 Jun 28 15:25	20° <b>©</b> 52'22	
desc. node	7922 Feb 01 05:19	12° <b>≈</b> 25′04		inferior conj	7924 Jul 04 03:47	17° <b>5</b> 33'41	3°39'28
max. Earth dist.	7922 Feb 01 12:59	12° <b>≈</b> 48'59	1.71962 AU	minimum elong	7924 Jul 04 11:34	17° <b>©</b> 21'38	3°37'04
				min. Earth dist.	7924 Jul 03 23:23	17° <b>5</b> 40'29	0.27582 AU
superior conj	7922 Feb 04 11:16	16° <b>≈</b> 28'14	-0°07'54	morning rise	7924 Jul 10 08:18	13° <b>©</b> 54'29	
minimum elong	7922 Feb 04 09:20	16° <b>≈</b> 22'15		desc. node	7924 Jul 19 01:22	10°924'41	
behind sun begin	7922 Feb 03 11:12	15° <b>≈</b> 13'11		direct	7924 Jul 25 02:20	9° <b>5</b> 40'46	
behind sun end	7922 Feb 05 07:29	17° <b>≈</b> 31'20		greatest brilliancy	7924 Aug 03 20:43	11°926'27	-4.8m
	7922 Feb 15 07:12	0° <b>∀</b>			7924 Sep 01 05:20	$0^{\circ}\Omega$	
	7922 Mar 11 06:13	$0^{\circ}\mathbf{\Upsilon}$		morning max el	7924 Sep 12 04:40	10° <b>Ω</b> 04'29	45°52'50
evening rise	7922 Mar 16 08:08	6° <b>Y</b> 22'16		C	7924 Oct 01 19:35	0° <b>m</b> )	
Ü	7922 Apr 04 04:14	0°8			7924 Oct 29 00:34	$0$ ° $\overline{\mathbf{v}}$	
	7922 Apr 28 03:17	0° <b>I</b> I		asc. node	7924 Nov 09 00:44	12° <b>₽</b> 38'15	
	7922 May 22 06:08	0°ಅ			7924 Nov 23 20:56	0° <b>M</b> .	
asc. node	7922 May 25 04:21	3°537'04			7924 Dec 18 22:40	0° <b>∡</b> ¹	
	7922 Jun 15 16:00	0°N			7925 Jan 12 12:45	0°ප	
	7922 Jul 10 13:06	0° m/			7925 Feb 05 19:31	0° <b>≈</b>	
	7922 Aug 05 05:06	$0 \circ \overline{\mathbf{v}}$		desc. node	7925 Feb 28 17:21	28° <b>≈</b> 32'08	
	7922 Sep 01 10:47	0°M			7925 Mar 01 21:28	0° <b>)</b> €	
desc. node	7922 Sep 13 22:31	12°M41'22		morning set	7925 Mar 10 22:17	11° <b>¥</b> 18'16	
evening max el	7922 Sep 16 04:29	14°M52'08	45°40'58	Č	7925 Mar 25 20:06	$0^{\circ}$ $\Upsilon$	
Ü	7922 Oct 03 07:16	0° <b>⊼</b> ¹			7925 Apr 18 16:49	0°B	
greatest brilliancy	7922 Oct 25 03:51	13° <b>∡</b> ¹00'00	-4.7m		•		
retrograde	7922 Nov 03 23:13	14° <b>√</b> 44'11		superior conj	7925 Apr 20 19:53	2° <b>8</b> 40'36	-1°26'43
evening set	7922 Nov 21 15:34	8° <b>₹</b> 150'24		minimum elong	7925 Apr 20 16:16	2° <b>8</b> 29'14	1°26'45
inferior conj	7922 Nov 25 08:01	6° <b>∡</b> ³34'07	-7°52'43	max. Earth dist.	7925 Apr 21 07:33	3° <b>8</b> 17'16	1.71208 AU
minimum elong	7922 Nov 25 15:44	6° <b>∡</b> ¹22'02	7°51'39		7925 May 12 13:30	$\Pi^{\circ}0$	
min. Earth dist.	7922 Nov 25 23:35	6° <b>₹</b> 109'45	0.28837 AU	evening rise	7925 May 31 09:44	23° <b>II</b> 37'02	
morning rise	7922 Nov 29 15:43	3° <b>∡</b> ¹54'53			7925 Jun 05 12:16	0°€	
	7922 Dec 07 14:20	30°RM₊		asc. node	7925 Jun 21 16:08	20° <b>©</b> 08'11	
direct	7922 Dec 16 19:28	28° <b>™</b> 17'11			7925 Jun 29 14:52	$0^{\circ}\Omega$	
	7922 Dec 26 09:30	0° <b>∡</b> ¹			7925 Jul 23 22:39	0° <b>m</b> )	
greatest brilliancy	7922 Dec 27 20:10	0° <b>∡</b> ³31'38	-4.8m		7925 Aug 17 13:24	0∘ <b>⊽</b>	
asc. node	7923 Jan 04 22:20	4° <b>∡</b> ³31'48			7925 Sep 11 14:26	0° <b>M</b>	
	7923 Feb 04 13:28	0°ප			7925 Oct 07 07:55	0° <b>∡</b> ¹	
morning max el	7923 Feb 04 18:21	0° <b>る</b> 12'09	46°23'11	desc. node	7925 Oct 11 10:02	4° <b>∡</b> ³39'45	
	7923 Mar 04 12:40	0° <b>≈</b>			7925 Nov 03 06:24	0°₹	
	7923 Mar 30 07:54	0° <b>∀</b>		evening max el	7925 Nov 26 21:16	24° <b>ප</b> 13'11	45°58'56
	7923 Apr 24 05:38	$0$ ° $\Upsilon$			7925 Dec 03 00:55	0° <b>≈</b>	
desc. node	7923 Apr 26 15:50	2° <b>Y</b> 57'24		greatest brilliancy	7926 Jan 05 09:34	22° <b>≈</b> 57'37	-4.8m
	7923 May 18 16:50	$8^{\circ 0}$		retrograde	7926 Jan 15 00:01	24° <b>≈</b> 39'32	
	7923 Jun 11 23:15	$\Pi$ $^{\circ}0$		evening set	7926 Jan 29 12:17	20° <b>≈</b> 33'59	
	7923 Jul 06 04:28	$0$ $\circ$ $\odot$		asc. node	7926 Feb 01 10:00	18° <b>≈</b> 55'45	
	7923 Jul 30 10:24	$0^{\circ}\Omega$		inferior conj	7926 Feb 04 19:40	16° <b>≈</b> 51'41	0°52'11
morning set	7923 Aug 09 18:24	12° <b>Ω</b> 45′55		minimum elong	7926 Feb 04 17:40	16° <b>≈</b> 54'47	0°51'38
asc. node	7923 Aug 17 14:03	22° <b>Ω</b> 25′13		min. Earth dist.	7926 Feb 05 04:39	16° <b>≈</b> 37'50	0.27263 AU
	7923 Aug 23 17:25	0° <b>m</b>		morning rise	7926 Feb 10 22:24	13° <b>≈</b> 14′07	
				direct	7926 Feb 25 16:12	8° <b>≈</b> 56'41	
superior conj	7923 Sep 16 05:37	28° <b>m</b> 59'53	1°03'38	greatest brilliancy	7926 Mar 08 05:56	11° <b>≈</b> 02'12	-4.9m
minimum elong	7923 Sep 15 20:13	28°M 30'55	1°03'18		7926 Apr 04 20:08	0° <b>∀</b>	
max. Earth dist.	7923 Sep 17 01:43	0° <b>≏</b> 01'52	1.73247 AU	morning max el	7926 Apr 17 03:52	11° <b>¥</b> 49'32	46°58'25
	7923 Sep 17 01:06	0∘ <b>⊽</b>			7926 May 04 08:29	$0^{\circ}$ $\Upsilon$	

desc. node	7926 May 24 04:02	22° <b>Y</b> 22'24			7928 Dec 09 10:07	0° <b>≈</b>	
	7926 May 30 17:39	$9^{\circ}$ 8			7929 Jan 04 12:26	0° <b>∀</b>	
	7926 Jun 25 01:22	$\Pi$ $\circ 0$			7929 Feb 01 01:43	$0$ ° $\Upsilon$	
	7926 Jul 19 22:44	0		evening max el	7929 Feb 07 10:01	6° <b>Y</b> 27'32	46°46'21
	7926 Aug 13 15:52	$0^{\circ}\Omega$		asc. node	7929 Feb 28 21:37	25° <b>Ƴ</b> 55'37	
	7926 Sep 07 06:39	0° <b>m</b> )			7929 Mar 06 09:58	0°8	
asc. node	7926 Sep 14 02:18	8° <b>m</b> 19'53		greatest brilliancy	7929 Mar 19 23:55	7° <b>8</b> 18'47	-4.9m
	7926 Oct 01 19:05	0∘ <b>ত</b>		retrograde	7929 Mar 29 19:53	9° <b>8</b> 09'13	
morning set	7926 Oct 17 17:57	19° <b>≙</b> 35′28		evening set	7929 Apr 16 14:51	3° <b>8</b> 04'32	
	7926 Oct 26 04:57	0° <b>M</b>		inferior conj	7929 Apr 19 11:20	1° <b>8</b> 20'18	9°04'01
	7926 Nov 19 12:43	0°⊀		minimum elong	7929 Apr 19 07:30	1° <b>8</b> 26'12	9°03'44
max. Earth dist.	7926 Nov 21 16:15	2° <b>҂</b> ³39'07	1.73097 AU	min. Earth dist.	7929 Apr 19 06:08	1° <b>8</b> 28'18	0.27075 AU
					7929 Apr 21 15:56	30° <b>₹Ƴ</b>	
superior conj	7926 Nov 23 06:26	4° <b>∡</b> ³37'01	1°19'04	morning rise	7929 Apr 22 00:11	29° <b>Ƴ</b> 47'35	
minimum elong	7926 Nov 23 13:21	4° <b>₹</b> 58'23	1°19'04	direct	7929 May 10 01:44	23° <b>Y</b> 33'20	
	7926 Dec 13 19:14	0°ප		greatest brilliancy	7929 May 19 14:24	25° <b>Ƴ</b> 16'39	-4.9m
evening rise	7926 Dec 30 21:32	21° <b>る</b> 09'27			7929 May 29 09:08	0°8	
desc. node	7927 Jan 03 19:17	25° <b>る</b> 59'37		desc. node	7929 Jun 20 15:39	17° <b>8</b> 35'06	
	7927 Jan 07 00:55	0° <b>≈</b>		morning max el	7929 Jun 29 07:15	25° <b>8</b> 54'20	46°39'19
	7927 Jan 31 05:42	0° <b>ℋ</b>			7929 Jul 03 08:53	$\Pi$ $^{\circ}0$	
	7927 Feb 24 09:48	$0$ ° $\mathbf{\Upsilon}$			7929 Jul 31 05:00	0°€	
	7927 Mar 20 14:46	$9^{\circ}$ 8			7929 Aug 26 10:11	$0^{\circ}\Omega$	
	7927 Apr 14 00:08	$\Pi$ $^{\circ}0$			7929 Sep 20 22:41	O° Mp	
asc. node	7927 Apr 26 18:40	15° <b>Ⅱ</b> 31'41		asc. node	7929 Oct 11 14:31	24° Mp40'19	
	7927 May 08 19:53	$0$ $\circ$ $\odot$			7929 Oct 16 00:48	0∘ <b>ত</b>	
	7927 Jun 03 12:33	$0^{\circ}\Omega$			7929 Nov 09 18:45	$0^{\circ}$ M	
	7927 Jul 01 04:17	0° <b>m</b> ∕			7929 Dec 04 06:14	0° <b>∡</b> ¹	
evening max el	7927 Jul 05 01:29	3° <b>m</b> 53'50	46°14'23	morning set	7929 Dec 25 13:00	26° <b>⊀</b> 16'51	
	7927 Aug 06 01:01	0∘ <b>⊽</b>			7929 Dec 28 13:04	o°ප	
greatest brilliancy	7927 Aug 12 17:14	3° <b>₽</b> 10'47	-4.8m		7930 Jan 21 16:41	0° <b>≈</b>	
desc. node	7927 Aug 16 13:03	4° <b>£</b> 25'44		max. Earth dist.	7930 Jan 30 03:25	10° <b>≈</b> 31'22	1.72003 AU
retrograde	7927 Aug 23 17:40	5° <b>£</b> 24'31		desc. node	7930 Jan 31 07:13	11° <b>≈</b> 58′03	
evening set	7927 Sep 08 19:07	0° <b>≏</b> 26'57					
	7927 Sep 09 13:47	30°R, Mp		superior conj	7930 Feb 02 00:21	14° <b>≈</b> 06′19	-0°04'11
min. Earth dist.	7927 Sep 13 15:00	27° <b>m</b> 31'35	0.28832 AU	minimum elong	7930 Feb 01 23:21	14° <b>≈</b> 03′12	0°04'02
inferior conj	7927 Sep 14 06:00	27° Mp 08'05		behind sun begin	7930 Jan 31 23:10	12° <b>≈</b> 47'45	
minimum elong	7927 Sep 13 20:00	27° <b>m</b> 23'45	6°11'49	behind sun end	7930 Feb 02 23:33	15°≈18'39	
morning rise	7927 Sep 18 21:09	24° <b>m</b> 17'53			7930 Feb 14 17:49	0° <b>∀</b>	
direct	7927 Oct 05 15:36	18° <b>m</b> , 57′20			7930 Mar 10 16:57	0° <b>Υ</b>	
greatest brilliancy	7927 Oct 15 13:45	20° m/43'26	-4.7m	evening rise	7930 Mar 13 19:55	3° <b>Y</b> 55′01	
	7927 Nov 01 10:33	0∘ <b>⊽</b>			7930 Apr 03 15:06	0°8	
morning max el	7927 Nov 23 09:43	18° <b>≏</b> 47'24	45°44'23		7930 Apr 27 14:18	0°Щ	
_	7927 Dec 04 14:51	0° <b>M</b>			7930 May 21 17:24	0°€	
asc. node	7927 Dec 07 12:40	3°ML01'38		asc. node	7930 May 24 06:17	3°508'08	
	7928 Jan 01 02:29	0° <b>∡</b>			7930 Jun 15 03:41	$0$ $^{\circ}\Omega$	
	7928 Jan 26 19:35	0°る			7930 Jul 10 01:32	0° mp	
	7928 Feb 20 16:25	0° <b>≈</b>			7930 Aug 04 19:04	0∘ <b>⊽</b>	
	7928 Mar 16 02:09	0° <b>∀</b>			7930 Sep 01 04:33	0°M	
desc. node	7928 Mar 28 05:36	15° <b>)</b> €03'48		desc. node	7930 Sep 13 00:34	11°M54'41	
	7928 Apr 09 05:22	0° <b>Υ</b>		evening max el	7930 Sep 13 20:29	12°M42'42	45°41'13
	7928 May 03 05:00	0° <b>8</b>			7930 Oct 03 18:19	0° <b>∡</b> 7	
morning set	7928 May 26 04:53	28° <b>8</b> 48'59		greatest brilliancy	7930 Oct 22 18:20	10° <b>₹</b> 49'19	-4.7m
	7928 May 27 03:33	0° <b>I</b> I		retrograde	7930 Nov 01 14:46	12° <b>₹</b> 34'00	
	7928 Jun 20 03:07	0ංම		evening set	7930 Nov 19 09:31	6° <b>∡</b> ³36'47	
				inferior conj	7930 Nov 22 23:51	4° <b>₹</b> 23'20	
superior conj	7928 Jul 04 14:19	18°902'34		minimum elong	7930 Nov 23 07:03	4° <b>₹</b> 12'03	
minimum elong	7928 Jul 04 22:05	18°926'43		min. Earth dist.	7930 Nov 23 14:18		0.28878 AU
max. Earth dist.	7928 Jul 07 21:15		1.72194 AU	morning rise	7930 Nov 27 04:26	1° <b>х</b> 48′29	
	7928 Jul 14 05:02	0°N		1' 4	7930 Nov 30 09:48	30°RM	
asc. node	7928 Jul 19 03:59	6° <b>Ω</b> 09'22		direct	7930 Dec 14 12:06	26°M06'16	4.0
	7928 Aug 07 09:50	0° m)		greatest brilliancy	7930 Dec 25 10:55	28°M18'47	-4.8m
evening rise	7928 Aug 12 00:11	5° m/40'52		•	7930 Dec 29 07:10	0° 🗖	
	7928 Aug 31 17:47	0∘ <b>亚</b>		asc. node	7931 Jan 04 00:14	3° ₹ 11'35	46001100
	7928 Sep 25 05:37	0°M 0°. <b>₹</b>		morning max el	7931 Feb 02 09:36	27° <b>₹</b> 57'02	46~21′28
1 1	7928 Oct 19 22:51	0°⊀ <b>7</b>			7931 Feb 04 10:38	5°0	
desc. node	7928 Nov 07 21:43	22° <b>⊀</b> 45'35			7931 Mar 04 04:04	0° <b>≈</b>	
	7928 Nov 13 23:30	0°ਤ			7931 Mar 29 21:12	0° <b>∀</b>	

	7021 Amr 22 17:54	0°Υ			7022 Dag 02 02:44	0° <b>≈</b>	
1 1	7931 Apr 23 17:54	• •		4 41 711	7933 Dec 03 03:44		4.0
desc. node	7931 Apr 25 17:52	2°Υ26'23		greatest brilliancy	7934 Jan 02 23:34	20°≈37'46	-4.8m
	7931 May 18 04:29	0° <b>8</b>		retrograde	7934 Jan 12 13:00	22°≈19'06	
	7931 Jun 11 10:29	0°Щ		evening set	7934 Jan 27 02:17	18° <b>≈</b> 12'12	
	7931 Jul 05 15:24	0ංම		asc. node	7934 Jan 31 12:03	15° <b>≈</b> 40′04	
	7931 Jul 29 21:06	$0^{\circ}\Omega$		inferior conj	7934 Feb 02 09:19	14° <b>≈</b> 30'41	0°28'54
morning set	7931 Aug 07 10:24	10° <b>Ω</b> 34'18		minimum elong	7934 Feb 02 08:12	14° <b>≈</b> 32′24	0°28'39
asc. node	7931 Aug 16 16:06	21° <b>Ω</b> 58'51		min. Earth dist.	7934 Feb 02 19:39	14° <b>≈</b> 14'46	0.27306 AU
	7931 Aug 23 03:58	O° Mp		morning rise	7934 Feb 08 13:23	10° <b>≈</b> 51'13	
				direct	7934 Feb 23 05:46	6° <b>≈</b> 34'34	
superior conj	7931 Sep 13 22:59	26° Mp 53'12	1°01'23	greatest brilliancy	7934 Mar 05 22:00	8° <b>≈</b> 42'14	-4.9m
minimum elong	7931 Sep 13 13:32	26° Mp 24′05	1°01'02		7934 Apr 05 00:18	0° <b>∀</b>	
max. Earth dist.	7931 Sep 14 22:34	28° Mp 05'56	1.73227 AU	morning max el	7934 Apr 14 17:44	9° <b>∺</b> 26′35	46°58'03
	7931 Sep 16 11:34	0∘ <b>ত</b>			7934 May 04 02:09	$0^{\circ}\mathbf{\Upsilon}$	
	7931 Oct 10 19:47	0° <b>M</b> ,		desc. node	7934 May 23 05:54	21° <b>Y</b> '44'10	
evening rise	7931 Oct 20 07:52	11° <b>M</b> 41'57			7934 May 30 08:07	0°8	
•	7931 Nov 04 05:08	0° <b>√</b>			7934 Jun 24 14:19	$\Pi^{\circ}0$	
	7931 Nov 28 16:24	0°₹			7934 Jul 19 10:48	0° <b>©</b>	
desc. node	7931 Dec 06 09:22	9° <b>ට</b> 25'30			7934 Aug 13 03:21	$0^{\circ}\Omega$	
acco. noac	7931 Dec 23 05:53	0°≈			7934 Sep 06 17:45	0° m)	
	7932 Jan 16 21:45	0° <b>∀</b>		asc. node	7934 Sep 13 04:19	7° m) 52'20	
	7932 Feb 10 17:27	0° <b>Υ</b>		ase. Hode	7934 Oct 01 05:55	0° <b>⊽</b>	
	7932 Pco 10 17:27 7932 Mar 06 22:26	0°8		morning set	7934 Oct 01 03:33 7934 Oct 15 11:12	0 <del>=</del> 17° <b>£</b> 27'50	
aga mada	7932 Mar 28 09:03	24° <b>8</b> 42'00		morning set		0°M	
asc. node					7934 Oct 25 15:39		
	7932 Apr 02 03:04	0°II	4.60.5.712.5	n d ti	7934 Nov 18 23:24	0° ⊀ <sup>7</sup>	1.72120 444
evening max el	7932 Apr 21 08:26	20° <b>Ⅱ</b> 26'21	46°57'35	max. Earth dist.	7934 Nov 19 12:03	0° <b>,⊼</b> 39'02	1.73120 AU
	7932 May 01 04:53	0°9					
greatest brilliancy	7932 May 31 08:31	21°©11'35	-4.9m	superior conj	7934 Nov 20 23:38		1°20'18
retrograde	7932 Jun 10 19:10	23° <b>©</b> 13'43		minimum elong	7934 Nov 21 06:01		1°20'19
evening set	7932 Jun 26 08:09	18° <b>©</b> 29'19			7934 Dec 13 05:59	0°ප	
inferior conj	7932 Jul 01 17:48	15°©14'18	4°00'26	evening rise	7934 Dec 28 12:58	18° <b>る</b> 55'11	
minimum elong	7932 Jul 02 02:11	15° <b>©</b> 01'19	3°57'53	desc. node	7935 Jan 02 21:15	25° <b>る</b> 32'08	
min. Earth dist.	7932 Jul 01 14:12	15° <b>©</b> 19'53	0.27551 AU		7935 Jan 06 11:48	0° <b>≈</b>	
morning rise	7932 Jul 07 20:45	11° <b>©</b> 36'53			7935 Jan 30 16:49	0° <b>∀</b>	
desc. node	7932 Jul 18 03:22	7° <b>©</b> 46'23			7935 Feb 23 21:14	$0^{\circ}$ Y	
direct	7932 Jul 22 15:54	7° <b>©</b> 21'55			7935 Mar 20 02:36	0° <b>႘</b>	
greatest brilliancy	7932 Aug 01 10:24	9° <b>©</b> 07'24	-4.8m		7935 Apr 13 12:35	$\Pi^{\circ}0$	
	7932 Sep 01 09:27	$0^{\circ}\Omega$		asc. node	7935 Apr 25 20:32	14° <b>Ⅱ</b> 58′29	
morning max el	7932 Sep 09 18:09	7° <b>Ω</b> 46'42	45°54'04		7935 May 08 09:20	0°©	
	7932 Oct 01 12:38	0° <b>m</b>			7935 Jun 03 04:00	$0^{\circ}\Omega$	
	7932 Oct 28 14:17	0∘ <b>ত</b>			7935 Jul 01 01:11	0° m/	
asc. node	7932 Nov 08 02:41	12° <b>≏</b> 06'16		evening max el	7935 Jul 02 16:26	1° <b>m</b> ) 37'48	46°16'12
	7932 Nov 23 09:11	0°M		<i>8</i>	7935 Aug 08 01:17	0∘ <u>⊽</u>	
	7932 Dec 18 10:10	0° <b>∡</b> 7		greatest brilliancy	7935 Aug 10 08:22	0° <b>ჲ</b> 57'49	-4.8m
	7933 Jan 11 23:54	0°ਰ		desc. node	7935 Aug 15 15:07	2° <b>♀</b> 34'23	
	7933 Feb 05 06:30	0° <b>≈</b>		retrograde	7935 Aug 21 10:15	3° <b>₽</b> 13'04	
desc. node	7933 Feb 27 19:26	28°≈04'34		retrograde	7935 Rug 21 10:13 7935 Sep 03 03:57	30°R.M)	
desc. flode	7933 Mar 01 08:22	0° <b>∺</b>		evening set	7935 Sep 05 05:57 7935 Sep 06 08:19	28° Mp 19'04	
morning set	7933 Mar 08 09:18	8° <b>)</b> 48′24		inferior conj	7935 Sep 00 08:17 7935 Sep 11 21:52	24° Mp 56'42	5°50'35
morning set	7933 Mar 25 06:56	0°Υ		minimum elong	7935 Sep 11 21:52 7935 Sep 11 11:53	25° m) 12'19	
	7933 Mai 23 00.30	0 1		•	-	25° m) 21'02	
:	7022 A 10 06.45	00 00151	1926102	min. Earth dist.	7935 Sep 11 06:18		0.28/94 AU
superior conj	7933 Apr 18 06:45	0° <b>8</b> 09'51		morning rise	7935 Sep 16 15:46	22° m 02'55	
minimum elong	7933 Apr 18 02:05	29° <b>Y</b> 55′08	1°26'03	direct	7935 Oct 03 07:01	16° Mp 46'23	
	7933 Apr 18 03:38	0°8		greatest brilliancy	7935 Oct 13 04:54	18° <b>m</b> 32'29	-4.7m
max. Earth dist.	7933 Apr 18 09:37	0° <b>8</b> 18'51	1.71203 AU		7935 Nov 02 00:48	0∘ <b>⊽</b>	
	7933 May 12 00:20	$\Pi^{\circ 0}$		morning max el	7935 Nov 21 01:42	16° <b>≏</b> 36'48	45°43'55
evening rise	7933 May 28 20:55	21° <b>Ⅱ</b> 07'54			7935 Dec 04 09:21	0° <b>M</b>	
	7933 Jun 04 23:09	0ංම		asc. node	7935 Dec 06 14:32	2° <b>™</b> 19'27	
asc. node	7933 Jun 20 18:03	19° <b>5</b> 40'12			7935 Dec 31 16:55	0° <b>∡</b>	
	7933 Jun 29 01:50	$0^{\circ}\Omega$			7936 Jan 26 08:24	0°ප	
	7933 Jul 23 09:50	0° <b>т</b> р			7936 Feb 20 04:26	0° <b>≈</b>	
	7933 Aug 17 00:57	0∘ <b>亚</b>			7936 Mar 15 13:44	0° <b>∀</b>	
	7933 Sep 11 02:43	0°M₊		desc. node	7936 Mar 27 07:37	14° <b>)</b> 34′26	
	7933 Oct 06 21:37	0° <b>∡</b> ¹			7936 Apr 08 16:42	$0^{\circ}$ $\Upsilon$	
desc. node	7933 Oct 10 12:04	4° <b>₹</b> 05'49			7936 May 02 16:12	0°8	
	7933 Nov 02 23:13	5°0		morning set	7936 May 23 16:45	26° <b>8</b> 21'03	
evening max el	7933 Nov 24 10:13	21° <b>る</b> 53'38	45°57'32	-	7936 May 26 14:38	0°Щ	
-					•		

	7936 Jun 19 14:05	0°©		evening set	7938 Nov 17 03:23	4° <b>₹</b> 22'35	
				inferior conj	7938 Nov 20 15:49	2° <b>҂</b> 11'45	
superior conj	7936 Jul 02 03:50	15°5541'08		minimum elong	7938 Nov 20 22:25	2° <b>∡</b> 01'22	
minimum elong	7936 Jul 02 12:14	16° <b>©</b> 07'19		min. Earth dist.	7938 Nov 21 05:22		0.28917 AU
max. Earth dist.	7936 Jul 05 10:50		1.72148 AU		7938 Nov 24 04:44	30°RM	
	7936 Jul 13 15:55	$0^{\circ}\Omega$		morning rise	7938 Nov 24 17:19	29° <b>™</b> 41'07	
asc. node	7936 Jul 18 06:01	5° <b>Ω</b> 41'54		direct	7938 Dec 12 04:23	23°M54'31	4.0
	7936 Aug 06 20:43	0° M)		greatest brilliancy	7938 Dec 23 02:04	26°M05'26	-4.8m
evening rise	7936 Aug 09 16:15	3° m/28'40		asc. node	7938 Dec 31 01:25	0° ⊀ <sup>7</sup>	
	7936 Aug 31 04:45 7936 Sep 24 16:50	0° <b>№</b> 0° <b>亞</b>		morning max el	7939 Jan 03 02:22 7939 Jan 31 00:10	1° ₹ 53'06 25° ₹ 39'03	46°19'45
	7936 Oct 19 10:30	0° <b>⊼</b> 7		morning max er	7939 Feb 04 07:31	23 <b>メ</b> -3903	40 1943
desc. node	7936 Nov 06 23:36	22° <b>×</b> 14'59			7939 Mar 03 19:38	0° <b>≈</b>	
dese. Hode	7936 Nov 13 11:51	0°궁			7939 Mar 29 10:46	0° <b>∀</b>	
	7936 Dec 08 23:40	0° <b>≈</b>			7939 Apr 23 06:25	0°Υ	
	7937 Jan 04 04:14	0° <b>)</b> €		desc. node	7939 Apr 24 19:44	1° <b>Y</b> 54'00	
	7937 Jan 31 22:54	$0^{\circ}\Upsilon$			7939 May 17 16:22	0°8	
evening max el	7937 Feb 05 00:41	4° <b>Υ</b> 06'56	46°45'03		7939 Jun 10 21:57	$\Pi^{\circ}0$	
asc. node	7937 Feb 27 23:38	24° <b>Ƴ</b> 41'06			7939 Jul 05 02:35	0ಂತಾ	
	7937 Mar 07 16:12	$8^{\circ}$ 0			7939 Jul 29 08:06	$0$ $^{\circ}$ $\Omega$	
greatest brilliancy	7937 Mar 17 11:59	4° <b>8</b> 51'32	-4.9m	morning set	7939 Aug 05 02:24	8° <b>Ω</b> 21'40	
retrograde	7937 Mar 27 09:24	6° <b>8</b> 42'41		asc. node	7939 Aug 15 18:06	21° <b>Ω</b> 31′27	
evening set	7937 Apr 14 00:18	0° <b>8</b> 43'10			7939 Aug 22 14:49	0° <b>™</b>	
	7937 Apr 15 04:55	30° <b>₹Ƴ</b>					
inferior conj	7937 Apr 17 00:07	28° <b>Y</b> 53'51		superior conj	7939 Sep 11 16:15	24° <b>m</b> 45'10	
minimum elong	7937 Apr 16 19:23	29° <b>Y</b> 01′08	8°59'04	minimum elong	7939 Sep 11 06:49	24° Mp 16'06	0°58'41
min. Earth dist.	7937 Apr 16 18:06	29° <b>Y</b> 03'06	0.27064 AU	max. Earth dist.	7939 Sep 12 17:13	26° m 02'11	1.73207 AU
morning rise	7937 Apr 19 14:31	27°Υ18'48			7939 Sep 15 22:22	0∘ <b>⊽</b>	
direct	7937 May 07 15:07	21° <b>Υ</b> 07'10	4.0		7939 Oct 10 06:35	0°M	
greatest brilliancy	7937 May 17 02:21	22° <b>Y</b> 49'32 0° <b>と</b>	-4.9m	evening rise	7939 Oct 18 01:24	9° <b>™</b> 34'49 0° <b>҂</b>	
desc. node	7937 May 30 16:35 7937 Jun 19 17:42	16° <b>8</b> 36'40			7939 Nov 03 16:04 7939 Nov 28 03:36	0° <b>X</b> '	
morning max el	7937 Jun 19 17.42 7937 Jun 26 21:28	23° <b>8</b> 32'52	46°40'39	desc. node	7939 Nov 28 03.30 7939 Dec 05 11:20	0 3 8° <b>る</b> 56'57	
morning max ci	7937 Jul 20 21:28 7937 Jul 03 06:10	0°II	40 40 39	desc. Hode	7939 Dec 03 11:20 7939 Dec 22 17:32	0°≈	
	7937 Jul 30 20:49	0°e			7940 Jan 16 10:00	0° <b>∀</b>	
	7937 Aug 25 23:44	$0^{\circ}\Omega$			7940 Feb 10 06:34	0°Υ	
	7937 Sep 20 11:02	0° m/y			7940 Mar 06 13:01	0°8	
asc. node	7937 Oct 10 16:27	24° m) 10'47		asc. node	7940 Mar 27 11:00	24° <b>8</b> 00'03	
	7937 Oct 15 12:27	0∘ <del>⊽</del>			7940 Apr 01 20:47	$\Pi^{\circ}0$	
	7937 Nov 09 05:59	0°M		evening max el	7940 Apr 18 21:45	18° <b>Ⅱ</b> 02'07	46°58'18
	7937 Dec 03 17:16	0° <b>∡</b> ¹			7940 May 01 09:00	$0$ $\circ$ $\odot$	
morning set	7937 Dec 23 04:56	24° <b>∡</b> 03'45		greatest brilliancy	7940 May 29 00:54	18° <b>©</b> 53'15	-4.9m
	7937 Dec 28 00:01	0°ಕ		retrograde	7940 Jun 08 09:07	20° <b>©</b> 53'32	
	7938 Jan 21 03:38	0° <b>≈</b>		evening set	7940 Jun 24 01:06	16° <b>©</b> 05'53	
max. Earth dist.	7938 Jan 27 15:13	8°≈04'26	1.72042 AU	inferior conj	7940 Jun 29 08:00	12° <b>©</b> 54'55	
desc. node	7938 Jan 30 09:18	11° <b>≈</b> 30′19		minimum elong	7940 Jun 29 16:55	12°5641'05	4°18'08
	7020 1 20 12 42	1104405	0000127	min. Earth dist.	7940 Jun 29 05:22	12°959'00	0.27521 AU
superior conj	7938 Jan 30 13:42 7938 Jan 30 13:36	11°≈44'05		morning rise	7940 Jul 05 09:09 7940 Jul 17 05:24	9° <b>©</b> 19'37 5° <b>©</b> 13'30	
minimum elong behind sun begin	7938 Jan 30 13:36 7938 Jan 29 12:58	11°≈43'45 10°≈26'58	0 00 21	desc. node direct	7940 Jul 17 05:24 7940 Jul 20 05:11	5°902'51	
behind sun end	7938 Jan 31 14:14	10 ≈2038 13°≈00'33		greatest brilliancy	7940 Jul 30 00:39	6°548'49	-4.8m
ooming sun ong	7938 Feb 14 04:49	0° <b>\</b>		51-catest offinancy	7940 Sep 01 12:03	0°Ω	1.0111
	7938 Mar 10 04:01	0° <b>Υ</b>		morning max el	7940 Sep 07 07:46	5° <b>Ω</b> 28'40	45°55'15
evening rise	7938 Mar 11 07:57	1° <b>Υ</b> 27'31		<i>5</i>	7940 Oct 01 05:31	0° mp	
Č	7938 Apr 03 02:17	0°8			7940 Oct 28 04:07	0∘ <u>v</u>	
	7938 Apr 27 01:39	$\Pi^{\circ}0$		asc. node	7940 Nov 07 04:36	11° <b>≏</b> 33'33	
	7938 May 21 05:01	0ಂಣ			7940 Nov 22 21:36	$0^{\circ}$ M	
asc. node	7938 May 23 08:13	2° <b>©</b> 38'09			7940 Dec 17 21:51	0° <b>∡</b> 7	
	7938 Jun 14 15:46	$0^{\circ}\Omega$			7941 Jan 11 11:13	5°0	
	7938 Jul 09 14:27	0° <b>m</b>			7941 Feb 04 17:38	0° <b>≈</b>	
	7938 Aug 04 09:39	0∘ <b>ಹ</b>		desc. node	7941 Feb 26 21:18	27° <b>≈</b> 35'51	
	7938 Aug 31 23:17	0° <b>M</b> ₊			7941 Feb 28 19:26	0° <b>∀</b>	
evening max el	7938 Sep 11 12:00	10°M30'40	45°41'35	morning set	7941 Mar 05 20:20	6° <b>)</b> 18′09	
desc. node	7938 Sep 12 02:35	11°M05'42			7941 Mar 24 17:58	$0$ ° $\Upsilon$	
	7938 Oct 04 09:59	0°⊀ <b>7</b>	4.7-		7041 4 15 17 22	2700020122	1025110
greatest brilliancy	7938 Oct 20 09:25	8° <b>×</b> 38'11	-4./m	superior conj	7941 Apr 15 17:39	27° <b>Y</b> 38'32	
retrograde	7938 Oct 30 05:52	10° <b>≯</b> 22'53		minimum elong	7941 Apr 15 11:58	27° <b>Y</b> ′20'41	1 23 11

max. Earth dist.	7941 Apr 15 11:58	27° <b>Y</b> 20'40	1.71202 AU	minimum elong	7943 Sep 09 03:54	23° <b>m</b> 01'31	5°42'39
	7941 Apr 17 14:38	$8^{\circ}$ 0		morning rise	7943 Sep 14 10:24	19° <b>m</b> 48'43	
	7941 May 11 11:20	$\Pi^{\circ}0$		direct	7943 Sep 30 22:53	14°№36′26	
evening rise	7941 May 26 08:12	18° <b>Ⅲ</b> 38'33		greatest brilliancy	7943 Oct 10 19:29	16°Mp21'49	-4.7m
	7941 Jun 04 10:11	0ංම			7943 Nov 02 10:58	0∘ <b>ত</b>	
asc. node	7941 Jun 19 20:07	19° <b>©</b> 12'18		morning max el	7943 Nov 18 18:00	14° <b>≏</b> 27'53	45°43'21
	7941 Jun 28 12:56	$0^{\circ}\Omega$			7943 Dec 04 03:08	0° <b>M</b>	
	7941 Jul 22 21:05	0° <b>m</b> ∕		asc. node	7943 Dec 05 16:39	1°M39'06	
	7941 Aug 16 12:36	0∘ <b>ত</b>			7943 Dec 31 07:01	0°⊀	
	7941 Sep 10 15:09	0° <b>M</b> ₊			7944 Jan 25 21:00	0° <b>ප</b>	
	7941 Oct 06 11:34	0°⊀			7944 Feb 19 16:17	0° <b>≈</b>	
desc. node	7941 Oct 09 13:55	3° <b>∡</b> ³30'48			7944 Mar 15 01:10	0° <b>∀</b>	
	7941 Nov 02 16:33	0° <b>ろ</b>		desc. node	7944 Mar 26 09:31	14° <b>)</b> €05'09	
evening max el	7941 Nov 21 23:55	19° <b>る</b> 35'50	45°56'15		7944 Apr 08 03:53	0° <b>Υ</b>	
	7941 Dec 03 08:27	0° <b>≈</b>			7944 May 02 03:13	0°8	
greatest brilliancy	7941 Dec 31 13:09	18°≈17'29	-4.8m	morning set	7944 May 21 04:28	23° <b>8</b> 53'11	
retrograde	7942 Jan 10 02:35	19°≈58'52			7944 May 26 01:31	0° <b>I</b> I	
evening set	7942 Jan 24 16:37	15°≈50'13	0005146		7944 Jun 19 00:52	0°9	
inferior conj	7942 Jan 30 23:04	12°≈09'41	0°05'46		7044 I 20 17.12	1296-10129	0941100
minimum elong	7942 Jan 30 22:50	12°≈10'02	0°05'48	superior conj	7944 Jun 29 17:12	13°5519'38	
transit middle	7942 Jan 30 22:50	12°≈10'02	0°05'48	minimum elong max. Earth dist.	7944 Jun 30 02:12	13°547'44	1.72103 AU
transit begin transit end	7942 Jan 30 19:02 7942 Jan 31 02:39	12°≈15'54 12°≈04'11		max. Earm dist.	7944 Jul 03 01:52 7944 Jul 13 02:39	17° <b>©</b> 31′00 0° <b>Ω</b>	1.72103 AU
asc. node	7942 Jan 30 14:01	12 ≈04 11 12°≈23'36		asc. node	7944 Jul 13 02.39 7944 Jul 17 08:01	5° <b>Ω</b> 14'47	
min. Earth dist.	7942 Jan 31 10:26	12 ≈23 30 11°≈52'11	0.27352 AU	asc. Houe	7944 Aug 06 07:27	0°m)	
morning rise	7942 Jan 31 10:20 7942 Feb 06 04:18	8°≈28'49	0.27332 AO	evening rise	7944 Aug 07 08:16	1° Mp 16'43	
direct	7942 Feb 20 19:53	6 ≈2649 4°≈12'33		evening rise	7944 Aug 30 15:34	0∘ <b>⊽</b>	
greatest brilliancy	7942 PC0 20 19:33 7942 Mar 03 13:44	6°≈22'03	-4.9m		7944 Sep 24 03:50	0° <b>M</b>	
greatest orimancy	7942 Apr 05 02:53	0° <b>∀</b>	4.7111		7944 Oct 18 21:54	0° <b>⊼</b> ¹	
morning max el	7942 Apr 12 08:38		46°57'32	desc. node	7944 Nov 06 01:39	21° <b>х</b> 45'41	
morning max or	7942 May 03 19:30	0°Υ	10 37 32	dese. Hode	7944 Nov 12 23:58	0°る	
desc. node	7942 May 22 07:53	21° <b>Υ</b> 06'20			7944 Dec 08 13:03	0° <b>≈</b>	
	7942 May 29 22:30	0°8			7945 Jan 03 20:02	0° <b>∀</b>	
	7942 Jun 24 03:15	0°II			7945 Jan 31 20:43	$_{0}$ $^{\circ}$ $\gamma$	
	7942 Jul 18 22:51	0ಂತಾ		evening max el	7945 Feb 02 15:21	1° <b>Y</b> 46'48	46°43'28
	7942 Aug 12 14:48	$0^{\circ}\Omega$		asc. node	7945 Feb 27 01:33	23° <b>Y</b> 24'16	
	7942 Sep 06 04:46	0° <b>m</b>			7945 Mar 09 12:13	$9^{\circ}$ 8	
asc. node	7942 Sep 12 06:11	7° <b>m</b> 24'34		greatest brilliancy	7945 Mar 15 00:33	2° <b>8</b> 24'59	-4.9m
	7942 Sep 30 16:40	0∘ <b>ত</b>		retrograde	7945 Mar 24 22:22	4° <b>8</b> 15'56	
morning set	7942 Oct 13 04:41	15° <b>≏</b> 21'10			7945 Apr 08 13:13	30° <b>₹</b> Υ	
	7942 Oct 25 02:18	0° <b>M</b>		evening set	7945 Apr 11 09:15	28° <b>Y</b> 22'37	
max. Earth dist.	7942 Nov 17 09:06	28°M42'54	1.73146 AU	inferior conj	7945 Apr 14 12:47	26° <b>Ƴ</b> 27'34	8°53'49
	7942 Nov 18 10:04	0° <b>∡</b> ¹		minimum elong	7945 Apr 14 07:09	26° <b>Ƴ</b> 36′13	8°53'19
				min. Earth dist.	7945 Apr 14 06:18	26° <b>Ƴ</b> 37'31	0.27052 AU
superior conj	7942 Nov 18 16:58	0° <b>∡</b> ′21′20	1°21'24	morning rise	7945 Apr 17 05:09	24° <b>Y</b> 49'26	
minimum elong	7942 Nov 18 22:46	0° <b>₰</b> 39'14	1°21'27	direct	7945 May 05 04:09	18° <b>Ƴ</b> 41'14	
	7942 Dec 12 16:43	0°ಕ		greatest brilliancy	7945 May 14 14:39	20° <b>Y</b> 22'55	-4.9m
evening rise	7942 Dec 26 04:25	16° <b>ろ</b> 41'01			7945 May 31 15:05	0° <b>8</b>	
desc. node	7943 Jan 01 23:18	25° <b>る</b> 04'52		desc. node	7945 Jun 18 19:46	15° <b>8</b> 40'07	
	7943 Jan 05 22:42	0° <b>≈</b>		morning max el	7945 Jun 24 10:38	21° <b>8</b> 09'19	46°41'59
	7943 Jan 30 03:56	0° <b>∀</b>			7945 Jul 03 02:28	0° <b>I</b>	
	7943 Feb 23 08:39	$^{\circ \gamma}$			7945 Jul 30 12:07	0° <b>©</b>	
	7943 Mar 19 14:27	0° <b>K</b>			7945 Aug 25 12:55	0° <b>N</b>	
1-	7943 Apr 13 01:03	0°Ⅱ 14°Ⅲ25'20		4.	7945 Sep 19 23:03	0°M)	
asc. node	7943 Apr 24 22:30	14° <b>Ⅱ</b> 25′29 0° <b>©</b>		asc. node	7945 Oct 09 18:23	23° Mp 42'14 0° <u>₽</u>	
	7943 May 07 22:51 7943 Jun 02 19:40	0° <b>U</b>			7945 Oct 14 23:46 7945 Nov 08 16:53	0°M	
evening max el	7943 Jun 30 08:31	0 <b>δ</b> ε 29° <b>Ω</b> 24'44	46°18'03		7945 Nov 08 10.55 7945 Dec 03 03:55	0° <b>⊼</b> 1	
Svennig max ei	7943 Jun 30 08:31 7943 Jun 30 22:47	0°M)	10 10 05	morning set	7945 Dec 20 21:15	21° <b>х</b> 53'00	
greatest brilliancy	7943 Juli 30 22:47 7943 Aug 07 23:40	28° Mp 45'34	-4.8m	morning sot	7945 Dec 27 10:35	21 × 33 00	
5. carest orimancy	7943 Aug 07 23.40 7943 Aug 11 17:35	ე∘ <u>ი</u>	1.0111		7946 Jan 20 14:14	0°≈	
desc. node	7943 Aug 14 17:04	ი° <b>—</b> 0° <b>—</b> 39'26		max. Earth dist.	7946 Jan 25 02:44	5°≈37'46	1.72089 AU
retrograde	7943 Aug 19 03:12	1° <b>⊆</b> 02'08		Zurur diot.		2 . 2 37 10	00,710
	7943 Aug 26 06:42	30°R, My		superior conj	7946 Jan 28 03:23	9° <b>≈</b> 24'02	0°03'15
evening set	7943 Sep 03 21:49	26° m) 11'49		minimum elong	7946 Jan 28 04:11	9° <b>≈</b> 26'31	0°03'19
min. Earth dist.	7943 Sep 08 21:33	23° m/ 11'27	0.28750 AU	behind sun begin	7946 Jan 27 03:56	8°≈10'58	
inferior conj	7943 Sep 09 13:49	22° m/46'01		behind sun end	7946 Jan 29 04:26	10° <b>≈</b> 42'04	
-	-						

JJ.	7046 I 20 11.12	11002112			7040 1-1 27 14.40	496520101	4 0
desc. node	7946 Jan 29 11:13	11°≈03'12		greatest brilliancy	7948 Jul 27 14:49	4°930'01	-4.8m
	7946 Feb 13 15:31	0° <b>₩</b>			7948 Sep 01 13:02	0° <b>N</b>	45056125
evening rise	7946 Mar 08 20:00	29° <b>)</b> € 00'57		morning max el	7948 Sep 04 21:53	3° <b>Ω</b> 12'11	45°56'35
	7946 Mar 09 14:51	0° <b>Υ</b>			7948 Sep 30 21:48	0° m/y	
	7946 Apr 02 13:14	0°8			7948 Oct 27 17:30	0。 <b>ಹ</b>	
	7946 Apr 26 12:46	$\Pi^{\circ}0$		asc. node	7948 Nov 06 06:39	11° <b>≏</b> 02'20	
	7946 May 20 16:24	0ಂತ			7948 Nov 22 09:38	$0^{\circ}$ M	
asc. node	7946 May 22 10:17	2° <b>5</b> 09'18			7948 Dec 17 09:13	0° <b>∡</b>	
	7946 Jun 14 03:37	$0^{\circ}\Omega$			7949 Jan 10 22:13	0°ප	
	7946 Jul 09 03:10	0° <b>m</b> )			7949 Feb 04 04:27	0° <b>≈</b>	
	7946 Aug 04 00:06	0० <b>ट</b>		desc. node	7949 Feb 25 23:16	27° <b>≈</b> 08'34	
	7946 Aug 31 18:11	0°M			7949 Feb 28 06:08	0° <b>∀</b>	
evening max el	7946 Sep 09 02:46	8°ML17'37	45°42'01	morning set	7949 Mar 03 08:00	3° <b>¥</b> 51′00	
desc. node	7946 Sep 11 04:30	10°M16'32			7949 Mar 24 04:37	$0^{\circ}\mathbf{\Upsilon}$	
	7946 Oct 05 06:27	0° <b>∡</b> ¹					
greatest brilliancy	7946 Oct 18 00:51	6° <b>≯</b> ¹28'30	-4.7m	superior conj	7949 Apr 13 04:48	25° <b>Ƴ</b> 09'10	-1°24'09
retrograde	7946 Oct 27 20:58	8° <b>∡</b> 13'16		minimum elong	7949 Apr 12 22:11	24° <b>Ƴ</b> 48'21	1°24'07
evening set	7946 Nov 14 21:05	2° <b>∡</b> 10'07		max. Earth dist.	7949 Apr 12 18:52	24° <b>Y</b> 37'57	1.71209 AU
inferior conj	7946 Nov 18 07:52	0° <b>≯</b> 01'44	-8°13'58	man. Bartir dist.	7949 Apr 17 01:17	0°8	1.,120,110
minimum elong	7946 Nov 18 13:50	29°M52'21			7949 May 10 22:02	0°II	
minimum clong	7946 Nov 18 08:58	30°RM	0 13 17	evening rise	7949 May 23 19:28	16° <b>Ⅱ</b> 10'03	
min. Earth dist.	7946 Nov 18 20:46	29°M41'25	0.28950 AU	evening rise	7949 Jun 03 20:56	0° <b>©</b>	
			0.28930 AU			18° <b>9</b> 44'43	
morning rise	7946 Nov 22 06:25	27°M35'16		asc. node	7949 Jun 18 22:02		
direct	7946 Dec 09 20:12	21°M44'15	4.0		7949 Jun 27 23:48	$\Omega^{\circ}\Omega$	
greatest brilliancy	7946 Dec 20 17:45	23°M54'19	-4.8m		7949 Jul 22 08:10	0° m/y	
	7947 Jan 01 05:33	0° <b>∡</b> ¹			7949 Aug 16 00:07	0∘ <b>ত</b>	
asc. node	7947 Jan 02 04:16	0° <b>≯</b> 38'00			7949 Sep 10 03:28	$0^{\circ}$ M	
morning max el	7947 Jan 28 14:19	23° <b>∡</b> ¹21'35	46°18'07		7949 Oct 06 01:29	0° <b>∡</b> ″	
	7947 Feb 04 03:10	0°₹		desc. node	7949 Oct 08 16:00	2° <b>х</b> 56'46	
	7947 Mar 03 10:32	0° <b>≈</b>			7949 Nov 02 10:03	0° <b>ප</b>	
	7947 Mar 28 23:50	0° <b>ℋ</b>		evening max el	7949 Nov 19 14:28	17° <b>る</b> 20'49	45°55'02
	7947 Apr 22 18:35	$0$ ° $\mathbf{\Upsilon}$			7949 Dec 03 14:59	0° <b>≈</b>	
desc. node	7947 Apr 23 21:45	1° <b>Y</b> 23′05		greatest brilliancy	7949 Dec 29 02:18	15° <b>≈</b> 57'36	-4.8m
	7947 May 17 03:58	0°8		retrograde	7950 Jan 07 16:28	17° <b>≈</b> 39'22	
	7947 Jun 10 09:10	$\Pi^{\circ}0$		evening set	7950 Jan 22 07:11	13° <b>≈</b> 28'58	
	7947 Jul 04 13:30	0ංම		inferior conj	7950 Jan 28 12:46	9° <b>≈</b> 49'27	-0°17'19
	7947 Jul 28 18:48	$0^{\circ}\Omega$		minimum elong	7950 Jan 28 13:26	9° <b>≈</b> 48'26	0°17'00
morning set	7947 Aug 02 17:53	6° <b>Ω</b> 08'16		min. Earth dist.	7950 Jan 29 00:53	9° <b>≈</b> 30'48	0.27394 AU
asc. node	7947 Aug 14 19:56	21° <b>Ω</b> 04'27		asc. node	7950 Jan 29 15:58	9° <b>≈</b> 07'40	
	7947 Aug 22 01:23	0° mp		morning rise	7950 Feb 03 18:59	6° <b>≈</b> 07'30	
	771711118 22 01.23	·		direct	7950 Feb 18 10:32	1°≈51'32	
superior conj	7947 Sep 09 09:12	22° m 37'08	0°56'35	greatest brilliancy	7950 Mar 01 04:49	4°≈02'03	-4.9m
minimum elong	7947 Sep 09 03:12 7947 Sep 08 23:50	22° m) 08'15	0°56'13	greatest of finalicy	7950 Apr 05 03:38	0° <b>∀</b>	4.7111
max. Earth dist.	7947 Sep 10 10:40	23° Mp 55'40	1.73186 AU	morning max el	7950 Apr 03 03:38 7950 Apr 10 00:03	4° <b>)</b> 48′24	46°57'04
max. Earth dist.	7947 Sep 10 10:40 7947 Sep 15 08:50	ე∘ <b>ი</b>	1./3180 AU	morning max ci	7950 Apr 10 00:05 7950 May 03 12:06	0°Υ	40 37 04
	•			desc. node	•	20° <b>Υ</b> 30'12	
	7947 Oct 09 17:06	0°M		desc. node	7950 May 21 09:58		
evening rise	7947 Oct 15 18:53	7°M28'31			7950 May 29 12:23	0° <b>B</b>	
	7947 Nov 03 02:43	0° <b>∡</b>			7950 Jun 23 15:48	0° <b>I</b> I	
	7947 Nov 27 14:31	0°る			7950 Jul 18 10:38	0°9	
desc. node	7947 Dec 04 13:24	8° <b>る</b> 29'42			7950 Aug 12 02:03	$0^{\circ}\Omega$	
	7947 Dec 22 04:50	0° <b>≈</b>			7950 Sep 05 15:39	0°Щ	
	7948 Jan 15 21:52	0° <b>∀</b>		asc. node	7950 Sep 11 08:13	6° <b>™</b> 57'39	
	7948 Feb 09 19:20	$0$ ° $\mathbf{\gamma}$			7950 Sep 30 03:19	0₀ <b>ಹ</b>	
	7948 Mar 06 03:21	$0^{\circ}S$		morning set	7950 Oct 10 21:50	13° <b>≏</b> 13'52	
asc. node	7948 Mar 26 12:56	23° <b>8</b> 18'40			7950 Oct 24 12:49	0°M₊	
	7948 Apr 01 14:31	$\Pi$ $\circ 0$		max. Earth dist.	7950 Nov 15 06:03	26°M46′58	1.73167 AU
evening max el	7948 Apr 16 10:33	15° <b>Ⅱ</b> 37'22	46°58'47				
	7948 May 01 14:48	0ංම		superior conj	7950 Nov 16 10:03	28°M13'23	1°22'24
greatest brilliancy	7948 May 26 16:39	16°534'01	-4.9m	minimum elong	7950 Nov 16 15:14	28°M29'25	1°22'27
retrograde	7948 Jun 05 22:56	18°533'04		-	7950 Nov 17 20:35	0°⊀	
evening set	7948 Jun 21 17:50	13° <b>5</b> 41'33			7950 Dec 12 03:20	0°ರ	
inferior conj	7948 Jun 26 21:52	10° <b>©</b> 35'01	4°40'54	evening rise	7950 Dec 23 19:45	14° <b>る</b> 26'57	
minimum elong	7948 Jun 27 07:16	10°9520'27	4°38'12	desc. node	7951 Jan 01 01:11	24° <b>る</b> 37'28	
min. Earth dist.	7948 Jun 26 20:12	10°937'36	0.27496 AU		7951 Jan 05 09:28	0° <b>≈</b>	
morning rise	7948 Jul 02 21:01	7°902'24			7951 Jan 29 14:56	0° <b>)</b> €	
desc. node	7948 Jul 16 07:19	2°945'32			7951 Feb 22 19:57	0° <b>Υ</b>	
direct	7948 Jul 17 17:59	2°543'04			7951 Mar 19 02:09	0°8	
		_ = 15 04			.,	- 0	

,	7951 Apr 12 13:21	0° <b>I</b>			7953 Oct 14 11:08	0∘ <b>亚</b>	
asc. node	7951 Apr 24 00:36	13° <b>I</b> I53'32			7953 Nov 08 03:54	0°M 0°. <b>7</b>	
	7951 May 07 12:13	0° <b>U</b> 0∘©			7953 Dec 02 14:45	0°×71	
	7951 Jun 02 11:17		46910140	morning set	7953 Dec 18 13:25	19° <b>メ</b> *41'08 0°る	
evening max el	7951 Jun 28 01:08 7951 Jun 30 20:59	27° <b>Ω</b> 13'29 0° <b>m</b>	46°19'40		7953 Dec 26 21:22 7954 Jan 20 01:02	0°≈	
greatest brilliancy	7951 Juli 30 20.39 7951 Aug 05 15:11	0 my 26° my 33'41	-4.8m	max. Earth dist.	7954 Jan 22 15:05		1.72135 AU
desc. node	7951 Aug 03 13:11 7951 Aug 13 19:02	28° Mp 40'07	-4.0111	max. Earth dist.	7934 Jan 22 13.03	3 <b>≈</b> 13 00	1.72133 AU
retrograde	7951 Aug 15 19:02 7951 Aug 16 19:45	28° m 50'50		superior conj	7954 Jan 25 16:58	7° <b>≈</b> 03'09	0°06'55
evening set	7951 Sep 01 11:23	24° Mp 04'16		minimum elong	7954 Jan 25 18:40	7°≈08'25	0°06'57
min. Earth dist.	7951 Sep 06 12:48		0.28708 AU	behind sun begin	7954 Jan 24 20:14	5°≈58'34	0 0027
inferior conj	7951 Sep 07 05:39	20° m 35'02		behind sun end	7954 Jan 26 17:05	8° <b>≈</b> 18'16	
minimum elong	7951 Sep 06 19:53	20° m 50'19		desc. node	7954 Jan 28 13:09	10° <b>≈</b> 35'31	
morning rise	7951 Sep 12 04:54	17° <b>m</b> 34'05			7954 Feb 13 02:25	0° <b>)</b> €	
direct	7951 Sep 28 14:59	12° m/26'15		evening rise	7954 Mar 06 08:01	26° <b>∺</b> 33'50	
greatest brilliancy	7951 Oct 08 09:51	14° <b>m</b> 10'31	-4.7m	•	7954 Mar 09 01:51	$0^{\circ}$ Y	
	7951 Nov 02 18:25	0∘ <b>⊽</b>			7954 Apr 02 00:23	0°8	
morning max el	7951 Nov 16 09:44	12° <b>≏</b> 17'32	45°42'47		7954 Apr 26 00:06	$\Pi$ $^{\circ}0$	
	7951 Dec 03 20:32	0°M			7954 May 20 04:01	$0$ $\circ$ $\odot$	
asc. node	7951 Dec 04 18:36	0°M58'41		asc. node	7954 May 21 12:11	1° <b>5</b> 39'15	
	7951 Dec 30 20:57	0°⊀			7954 Jun 13 15:43	$0 {\circ} \mathcal{O}$	
	7952 Jan 25 09:29	0° <b>ප</b>			7954 Jul 08 16:07	0° <b>m</b> ∕	
	7952 Feb 19 04:03	0°≈			7954 Aug 03 14:51	0∘ <b>亚</b>	
	7952 Mar 14 12:32	0° <b>∀</b>			7954 Aug 31 13:45	$0^{\circ}$ M	
desc. node	7952 Mar 25 11:31	13° <b>∺</b> 36′23		evening max el	7954 Sep 06 16:57	6°M02'56	45°42'31
	7952 Apr 07 15:01	0° <b>Υ</b>		desc. node	7954 Sep 10 06:35	9° <b>™</b> 26'38	
	7952 May 01 14:11	0° <b>8</b>			7954 Oct 06 10:54	0° <b>∡</b>	
morning set	7952 May 18 16:27	21° <b>8</b> 26'22		greatest brilliancy	7954 Oct 15 15:53	4° <b>⋌</b> 18'08	-4.7m
	7952 May 25 12:19	0° <b>I</b>		retrograde	7954 Oct 25 12:19	6° <b>₹</b> 03'41	
	7952 Jun 18 11:33	0° <b>©</b>		evening set	7954 Nov 12 14:39	29°M57'40	
	7052 1 27 07 50	100050116	0044121		7954 Nov 12 13:06	30°₹M	0010120
superior conj	7952 Jun 27 06:50 7952 Jun 27 16:23	10° <b>©</b> 59'16 11° <b>©</b> 29'02		inferior conj	7954 Nov 16 00:03	27°M51'28 27°M43'08	-8°19'30 8°18'58
minimum elong max. Earth dist.	7952 Jun 30 18:53		1.72056 AU	minimum elong min. Earth dist.	7954 Nov 16 05:21 7954 Nov 16 12:20	27°M32'10	0.28989 AU
max. Earth dist.	7952 Jul 30 18:53 7952 Jul 12 13:17	13° <b>©</b> 21'13	1./2056 AU	min. Earth dist.	7954 Nov 19 19:52	25°M29'02	0.28989 AU
asc. node	7952 Jul 16 09:53	4° <b>Ω</b> 47'38		direct	7954 Nov 19 19:32 7954 Dec 07 12:03	19°M33'27	
evening rise	7952 Jul 10 09:33 7952 Aug 05 00:24	29° <b>Ω</b> 05'18		greatest brilliancy	7954 Dec 07 12:03	21°M43'33	-4.8m
e vening rise	7952 Aug 05 00:24 7952 Aug 05 18:06	0° m		asc. node	7955 Jan 01 06:13	29°M24'17	4.0111
	7952 Aug 30 02:21	0∘ <b>⊽</b>		use. Houe	7955 Jan 02 02:20	0° <b>√</b>	
	7952 Sep 23 14:52	0°M		morning max el	7955 Jan 26 05:02	21° <b>х</b> 04'31	46°16'31
	7952 Oct 18 09:23	0° <b>∡</b> 7			7955 Feb 03 22:39	ිප°0	
desc. node	7952 Nov 05 03:39	21° <b>₹</b> 15'50			7955 Mar 03 01:36	0° <b>≈</b>	
	7952 Nov 12 12:14	8°0			7955 Mar 28 13:09	0° <b>)</b>	
	7952 Dec 08 02:40	0° <b>≈</b>			7955 Apr 22 06:58	$0$ ° $\Upsilon$	
	7953 Jan 03 12:15	0° <b>∀</b>		desc. node	7955 Apr 22 23:48	0° <b>Y</b> 51'30	
evening max el	7953 Jan 31 05:11	29° <b>∺</b> 24'18	46°41'50		7955 May 16 15:48	$0^{\circ}$ 8	
	7953 Jan 31 19:34	$0$ ° $\mathbf{\Upsilon}$			7955 Jun 09 20:37	$\Pi$ $^{\circ}0$	
asc. node	7953 Feb 26 03:35	22° <b>Y</b> 04'49			7955 Jul 04 00:42	0ა <b>ௐ</b>	
greatest brilliancy	7953 Mar 12 13:39	29° <b>Y</b> 58'46	-4.9m		7955 Jul 28 05:47	$0$ $\circ$ $\Omega$	
	7953 Mar 12 15:03	0°8		morning set	7955 Jul 31 09:31	3° <b>Ω</b> 54'20	
retrograde	7953 Mar 22 10:43	1° <b>8</b> 48'51		asc. node	7955 Aug 13 22:00	20° <b>Ω</b> 37'18	
. ,	7953 Mar 31 20:50	30°RΥ			7955 Aug 21 12:12	0° <b>m</b>	
evening set	7953 Apr 08 17:57	26° <b>Υ</b> 02'11	00.4711.0		7055 0 07 02 20	200 m- 2011 4	0054104
inferior conj	7953 Apr 12 01:27	24° <b>Υ</b> 01'05 24° <b>Υ</b> 11'04	8°47'19 8°46'38	superior conj	7955 Sep 07 02:28	20° Mp 29'14	
minimum elong	7953 Apr 11 18:59	24 <b>γ</b> 11 04 24° <b>γ</b> 11'06	0.27037 AU	minimum elong	7955 Sep 06 17:12	20° Mp 00'38	1.73162 AU
min. Earth dist. morning rise	7953 Apr 11 18:58 7953 Apr 14 20:05	$24^{\circ}$ \begin{picture}(1100) \\ 22^{\circ} \begin{picture}\gamma 19'22\end{picture}	0.21031 AU	max. Earth dist.	7955 Sep 08 04:29 7955 Sep 14 19:34	ე∘ <b>ი</b>	1.75102 AU
direct	7953 Apr 14 20:03 7953 May 02 16:44	16° <b>Υ</b> 14'58			7955 Oct 09 03:51	0° <b>™</b>	
greatest brilliancy	7953 May 12 03:39	17° <b>Υ</b> 56'41	-4.9m	evening rise	7955 Oct 13 12:50	5°M22'57	
o. carest offinities	7953 Jun 01 07:51	0°8			7955 Nov 02 13:38	0° <b>₹</b>	
desc. node	7953 Jun 17 21:37	14° <b>8</b> 44'04			7955 Nov 27 01:45	0°ਤੇ	
morning max el	7953 Jun 21 22:55	18° <b>8</b> 43'14	46°43'31	desc. node	7955 Dec 03 15:19	8° <b>る</b> 00'57	
<b>5</b>	7953 Jul 02 22:10	0°Щ			7955 Dec 21 16:31	0° <b>≈</b>	
	7953 Jul 30 03:12	0ಂತಾ			7956 Jan 15 10:11	0° <b>)</b> €	
	7953 Aug 25 01:59	$0^{\circ}\Omega$			7956 Feb 09 08:37	$0^{\circ}$ Y	
	7953 Sep 19 11:03	0° m/			7956 Mar 05 18:18	0°8	
asc. node	7953 Oct 08 20:26	23° <b>m</b> 13'48		asc. node	7956 Mar 25 15:02	22° <b>8</b> 36'00	

7958 Sep 10 10:11

7958 Sep 29 14:16

asc. node

6° m 29'38

0∘**⊽** 

inferior conj

minimum elong

21°**Y**35'49

21°**Υ**47'00

7961 Apr 09 14:28

7961 Apr 09 07:13

8°39'41

8°38'50

min. Earth dist.	7961 Apr 09 08:08 7961 Apr 12 11:45	21° <b>Υ</b> 45'36 19° <b>Υ</b> 50'01	0.27028 AU	max. Earth dist.	7963 Sep 05 22:30 7963 Sep 14 06:07	19° <b>™</b> 44'25 0° <b>⊆</b>	1.73145 AU
direct	7961 Apr 30 05:12	13° <b>Y</b> 49'37			7963 Oct 08 14:26	0° <b>M</b> ₊	
greatest brilliancy	7961 May 09 17:30	15° <b>Ƴ</b> 32'05	-4.9m	evening rise	7963 Oct 11 06:26	3°M16'50	
	7961 Jun 01 20:16	0°8			7963 Nov 02 00:24	0° <b>∡</b> ¹	
desc. node	7961 Jun 16 23:41	13° <b>8</b> 49'38			7963 Nov 26 12:48	5°0	
morning max el	7961 Jun 19 11:11	16° <b>8</b> 16'46	46°44'44	desc. node	7963 Dec 02 17:18	7° <b>る</b> 33'05	
	7961 Jul 02 17:23	$\Pi^{\circ}0$			7963 Dec 21 04:00	0° <b>≈</b>	
	7961 Jul 29 18:14	$0$ $\circ$ $\odot$			7964 Jan 14 22:18	0° <b>∀</b>	
	7961 Aug 24 15:09	$0^{\circ}\Omega$			7964 Feb 08 21:43	$0^{\circ}$ Y	
	7961 Sep 18 23:09	0° <b>т</b> р			7964 Mar 05 09:09	0°8	
asc. node	7961 Oct 07 22:20	22° <b>m</b> 44'44		asc. node	7964 Mar 24 16:56	21° <b>8</b> 53'17	
	7961 Oct 13 22:35	0∘ <b>⊽</b>			7964 Apr 01 03:55	0°Щ	
	7961 Nov 07 14:57	0° <b>M</b>		evening max el	7964 Apr 11 13:55	10° <b>Ⅱ</b> 51'16	47°00'05
	7961 Dec 02 01:35	0° <b>∡</b>			7964 May 02 10:38	0°©	
morning set	7961 Dec 16 05:38	17° <b>₹</b> 29'25		greatest brilliancy	7964 May 21 22:19	11°S52'39	-4.9m
	7961 Dec 26 08:08	0°ප		retrograde	7964 Jun 01 03:56	13°951'38	
	7962 Jan 19 11:50	0° <b>≈</b>		evening set	7964 Jun 17 03:43	8°951'20	
max. Earth dist.	7962 Jan 20 05:33	0° <b>≈</b> 55'10	1.72179 AU	inferior conj	7964 Jun 22 01:39	5°954'05	5°19'45
	70/0 I 00 0/ 51	40 - 42120	0010122	minimum elong	7964 Jun 22 11:52	5°938'19	5°16'58
superior conj	7962 Jan 23 06:51	4°≈43'20		min. Earth dist.	7964 Jun 22 00:52	5°955'17	0.27449 AU
minimum elong	7962 Jan 23 09:24	4°≈51'16	0°10'32	morning rise	7964 Jun 27 20:17	2°528'20	
behind sun begin	7962 Jan 22 14:36	3°≈52'43		1	7964 Jul 03 00:48	30°RⅡ	
behind sun end	7962 Jan 24 04:13	5°≈49'49		direct	7964 Jul 12 21:01	28°耳02'22 28°耳05'23	
desc. node	7962 Jan 27 15:15	10°≈08'25 0° <b>)</b> €		desc. node	7964 Jul 14 11:23	28°Щ05′23 29°Щ50′27	4.0
avanina riaa	7962 Feb 12 13:16			greatest brilliancy	7964 Jul 22 18:02	29°Щ30°27 0° <b>©</b>	-4.8m
evening rise	7962 Mar 03 20:33	24° <b>)</b> 08'40 0° <b>°</b>		mamina may al	7964 Jul 23 04:47	0°95 28°9544'14	45°59'17
	7962 Mar 08 12:46 7962 Apr 01 11:24	0° <b>∀</b>		morning max el	7964 Aug 31 04:33 7964 Sep 01 11:49	28°9944°14 0°Ω	45*59*17
	7962 Apr 25 11:19	0°II			7964 Sep 30 05:46	0° <b>m</b> )	
	7962 May 19 15:34	0°9			7964 Oct 26 20:14	0∘ <del>ت</del> المار	
asc. node	7962 May 20 14:10	1° <b>5</b> 09'42		asc. node	7964 Nov 04 10:31	0 <b>=</b> 9° <b>£</b> 58'40	
asc. node	7962 Jun 13 03:47	0°Ω		asc. node	7964 Nov 21 09:53	0°ML	
	7962 Jul 08 05:09	0° m/p			7964 Dec 16 08:11	0° <b>∡</b> ⊓	
	7962 Aug 03 05:50	0∘ <b>ಹ</b>			7965 Jan 09 20:32	∞ੰਤ	
	7962 Aug 31 10:03	0° <b>m</b> ₊			7965 Feb 03 02:27	0° <b>≈</b>	
evening max el	7962 Sep 04 07:11	3°M48'06	45°43'08	desc. node	7965 Feb 24 03:13	26°≈12'39	
desc. node	7962 Sep 09 08:34	8°M35'17		morning set	7965 Feb 26 07:12	28°≈55'01	
	7962 Oct 08 04:37	0° <b>∡</b> 7			7965 Feb 27 03:59	0° <b>)</b> €	
greatest brilliancy	7962 Oct 13 06:14	2° <b>∡</b> 06'40	-4.7m		7965 Mar 23 02:25	0° <b>Υ</b>	
retrograde	7962 Oct 23 04:01	3° <b>х</b> 53′49		max. Earth dist.	7965 Apr 07 11:23	19° <b>Ƴ</b> 19'18	1.71219 AU
	7962 Nov 06 08:38	30° <b>₹M</b> ₊			•		
evening set	7962 Nov 10 07:50	27°M45'03		superior conj	7965 Apr 08 02:18	20° <b>Y</b> ′06′11	-1°21'33
inferior conj	7962 Nov 13 16:03	25° <b>M</b> .40'49	-8°24'19	minimum elong	7965 Apr 07 17:57	19° <b>Ƴ</b> 39'55	1°21'27
minimum elong	7962 Nov 13 20:40	25°M33'34	8°23'53		7965 Apr 15 23:06	$9^{\circ}$ 8	
min. Earth dist.	7962 Nov 14 03:24	25°M23'00	0.29022 AU		7965 May 09 19:53	$\Pi^{\circ}0$	
morning rise	7962 Nov 17 09:21	23°M22'20		evening rise	7965 May 18 17:27	11° <b>Ⅱ</b> 09'49	
direct	7962 Dec 05 03:53	17° <b>M</b> 22'21			7965 Jun 02 18:52	$0$ $\circ$ $\odot$	
greatest brilliancy	7962 Dec 16 02:17	19°M32'36	-4.8m	asc. node	7965 Jun 17 02:02	17° <b>5</b> 348'44	
asc. node	7962 Dec 31 08:20	28°M13'09			7965 Jun 26 21:55	$0^{\circ}\Omega$	
	7963 Jan 02 17:38	0° <b>∡</b> ¹			7965 Jul 21 06:43	0° <b>m</b> )	
morning max el	7963 Jan 23 20:26	18° <b>₰</b> ⁴49'42	46°15'00		7965 Aug 14 23:34	0∘ <b>⊽</b>	
	7963 Feb 03 17:25	0°₹			7965 Sep 09 04:38	0°M₊	
	7963 Mar 02 16:17	0° <b>≈</b>			7965 Oct 05 06:03	0° <b>∡</b> ¹	
	7963 Mar 28 02:09	0° <b>∀</b>		desc. node	7965 Oct 06 19:54	1° <b>∡</b> ¹46′17	
	7963 Apr 21 19:03	0° <b>Υ</b>			7965 Nov 01 22:36	0°る	
desc. node	7963 Apr 22 01:39	0° <b>Y</b> 20′14		evening max el	7965 Nov 14 21:05	12° <b>る</b> 54'20	45°52'32
	7963 May 16 03:19	0° <b>B</b>			7965 Dec 04 12:31	0° <b>≈</b>	4.0
	7963 Jun 09 07:46	0° <b>I</b> I		greatest brilliancy	7965 Dec 24 05:14	11°≈19'20	-4.8m
	7963 Jul 03 11:36	0° <b>©</b>		retrograde	7966 Jan 02 20:01	13° <b>≈</b> 00'33	
	7963 Jul 27 16:31	0° <b>Ω</b>		evening set	7966 Jan 17 13:20	8°≈46'50	1002/50
morning set	7963 Jul 29 01:06	1° <b>Ω</b> 40'53		inferior conj	7966 Jan 23 16:32	5°≈09'29	
asc. node	7963 Aug 12 23:59	20° <b>Ω</b> 10'38		minimum elong	7966 Jan 23 18:56	5°≈05'48	1°02'07
	7963 Aug 20 22:48	0° <b>т</b> р		min. Earth dist.	7966 Jan 24 05:54	4°≈48'53	0.27489 AU
aumonia '	7062 9 04 10 27	100 m. 20150	0051107	asc. node	7966 Jan 27 19:58	2°≈38'52	
superior conj minimum elong	7963 Sep 04 19:25 7963 Sep 04 10:18	18° Mp 20'50 17° Mp 52'44		morning rise	7966 Jan 29 23:58 7966 Feb 01 20:13	1°≈25'41 30°Ŗる	
mmmum ciong	7703 Sep 04 10.18	1 / III 32 44	0 3103		7700 FCU U1 20.13	20 KO	

		_					
direct	7966 Feb 13 16:34	27° <b>る</b> 10'29			7968 Sep 22 13:05	$0^{\circ}$ M	
greatest brilliancy	7966 Feb 24 10:37	29° <b>ろ</b> 21'08	-4.9m		7968 Oct 17 08:31	0° <b>∡</b> ¹	
	7966 Feb 26 00:32	0° <b>≈</b>		desc. node	7968 Nov 03 07:37	20° <b>∡</b> 15'45	
morning max el	7966 Apr 05 05:22	0° <b>)</b> €07'33	46°55'25		7968 Nov 11 12:59	0° <b>ರ</b>	
	7966 Apr 05 02:22	0° <b>∀</b>			7968 Dec 07 06:16	0° <b>≈</b>	
	7966 May 02 21:00	$0^{\circ}$ Y			7969 Jan 02 21:27	0° <b>)</b> €	
desc. node	7966 May 19 13:52	19° <b>Ƴ</b> 16'18		evening max el	7969 Jan 26 06:33	24° <b>)</b> 34′32	46°38'37
	7966 May 28 16:17	0°B			7969 Jan 31 20:12	$0^{\circ}$ $\Upsilon$	
	7966 Jun 22 17:09	$\Pi^{\circ}0$		asc. node	7969 Feb 24 07:32	19° <b>Ƴ</b> 18'43	
	7966 Jul 17 10:23	0°ಅ		greatest brilliancy	7969 Mar 07 16:15	25° <b>Ƴ</b> 07'47	-4.9m
	7966 Aug 11 00:43	$0^{\circ}\Omega$		retrograde	7969 Mar 17 11:18	26° <b>Ƴ</b> 56'47	
	7966 Sep 04 13:34	0° <b>m</b> )		evening set	7969 Apr 03 10:54	21° <b>Y</b> 23'31	
asc. node	7966 Sep 09 12:05	6° m) 02'48		inferior conj	7969 Apr 07 03:09	19° <b>Ƴ</b> 09'48	8°30'53
use. noue	7966 Sep 29 00:47	0∘ <b>⊽</b>		minimum elong	7969 Apr 06 19:09	19° <b>Y</b> ′22'07	8°29'53
morning set	7966 Oct 06 08:40	9° <b>ჲ</b> 00'15		min. Earth dist.	7969 Apr 06 21:02	19° <b>Y</b> 19'13	0.27020 AU
morning set	7966 Oct 23 10:05	0°M		morning rise	7969 Apr 10 03:25	17° <b>Υ</b> 19'36	0.27020710
max. Earth dist.	7966 Nov 10 19:46	22°M41'39	1.73203 AU	direct	7969 Apr 27 17:14	11° <b>Υ</b> 23'19	
max. Earth dist.	7900 NOV 10 19.40	22 11641 39	1.73203 AU		•	13° <b>Υ</b> 07'03	-4.9m
aumorior comi	7066 Nov. 11, 21,06	220M 50147	1924/01	greatest brilliancy	7969 May 07 07:12	0° <b>8</b>	-4.9111
superior conj	7966 Nov 11 21:06	23°M59'47	1°24'01	1 1	7969 Jun 02 05:26	_	
minimum elong	7966 Nov 12 00:59	24°M11'47	1°24'05	desc. node	7969 Jun 16 01:45	12° <b>8</b> 56'37	46046111
	7966 Nov 16 17:50	0°⊀ <sup>7</sup>		morning max el	7969 Jun 16 23:41	13° <b>8</b> 51'09	46°46'11
	7966 Dec 11 00:44	0°る			7969 Jul 02 11:54	0°II	
evening rise	7966 Dec 19 03:09	10° <b>ට</b> 00'38			7969 Jul 29 08:52	0° <b>©</b>	
desc. node	7966 Dec 30 05:15	23° <b>る</b> 43'01			7969 Aug 24 03:59	$0$ $\circ$ $\Omega$	
	7967 Jan 04 07:13	0° <b>≈</b>			7969 Sep 18 10:58	0° <b>m</b> )	
	7967 Jan 28 13:11	0° <b>ℋ</b>		asc. node	7969 Oct 07 00:18	22° Mp 16'32	
	7967 Feb 21 18:53	$0$ ° $\Upsilon$			7969 Oct 13 09:47	0∘ <b>ಹ</b>	
	7967 Mar 18 01:59	$9^{\circ}$ 8			7969 Nov 07 01:47	0° <b>M</b>	
	7967 Apr 11 14:33	$\Pi$ $^{\circ}0$			7969 Dec 01 12:14	0° <b>∡</b> ¹	
asc. node	7967 Apr 22 04:27	12° <b>Ⅱ</b> 46′34		morning set	7969 Dec 13 22:11	15° <b>∡</b> 19'24	
	7967 May 06 15:48	$0$ $\circ$ $\odot$			7969 Dec 25 18:43	0° <b>ರ</b>	
	7967 Jun 01 19:56	$0^{\circ}\Omega$		max. Earth dist.	7970 Jan 17 22:52	28° <b>る</b> 46'34	1.72228 AU
evening max el	7967 Jun 23 08:47	22° <b>Ω</b> 45′05	46°23'02		7970 Jan 18 22:29	0° <b>≈</b>	
	7967 Jun 30 21:08	0° <b>m</b> ∕					
greatest brilliancy	7967 Aug 01 00:06	22° Mp 10'34	-4.8m	superior conj	7970 Jan 20 20:53	2° <b>≈</b> 24'27	0°14'08
greatest brilliancy desc. node	7967 Aug 01 00:06 7967 Aug 11 23:03	22° Mp 10'34 24° Mp 26'32	-4.8m	superior conj minimum elong	7970 Jan 20 20:53 7970 Jan 21 00:16	2°≈24'27 2°≈34'57	0°14'08 0°14'05
•	7967 Aug 01 00:06 7967 Aug 11 23:03 7967 Aug 12 03:38		-4.8m				
desc. node retrograde	7967 Aug 11 23:03 7967 Aug 12 03:38	24° m 26'32 24° m 26'34	-4.8m	minimum elong behind sun begin	7970 Jan 21 00:16 7970 Jan 20 12:14	2° <b>≈</b> 34'57	
desc. node retrograde evening set	7967 Aug 11 23:03 7967 Aug 12 03:38 7967 Aug 27 14:52	24° m/26'32 24° m/26'34 19° m/47'27		minimum elong behind sun begin behind sun end	7970 Jan 21 00:16 7970 Jan 20 12:14 7970 Jan 21 12:18	2°≈34'57 1°≈57'30 3°≈12'24	
desc. node retrograde evening set min. Earth dist.	7967 Aug 11 23:03 7967 Aug 12 03:38 7967 Aug 27 14:52 7967 Sep 01 20:11	24° m 26'32 24° m 26'34 19° m 47'27 16° m 38'50	0.28611 AU	minimum elong behind sun begin	7970 Jan 21 00:16 7970 Jan 20 12:14 7970 Jan 21 12:18 7970 Jan 26 17:08	2°≈34'57 1°≈57'30 3°≈12'24 9°≈41'04	
desc. node retrograde evening set min. Earth dist. inferior conj	7967 Aug 11 23:03 7967 Aug 12 03:38 7967 Aug 27 14:52 7967 Sep 01 20:11 7967 Sep 02 13:14	24° m 26'32 24° m 26'34 19° m 47'27 16° m 38'50 16° m 12'08	0.28611 AU -4°57'02	minimum elong behind sun begin behind sun end desc. node	7970 Jan 21 00:16 7970 Jan 20 12:14 7970 Jan 21 12:18 7970 Jan 26 17:08 7970 Feb 12 00:01	2°≈34'57 1°≈57'30 3°≈12'24 9°≈41'04 0°¥	
desc. node retrograde evening set min. Earth dist. inferior conj minimum elong	7967 Aug 11 23:03 7967 Aug 12 03:38 7967 Aug 27 14:52 7967 Sep 01 20:11 7967 Sep 02 13:14 7967 Sep 02 03:55	24° m 26'32 24° m 26'34 19° m 47'27 16° m 38'50 16° m 12'08 16° m 26'43	0.28611 AU -4°57'02	minimum elong behind sun begin behind sun end	7970 Jan 21 00:16 7970 Jan 20 12:14 7970 Jan 21 12:18 7970 Jan 26 17:08 7970 Feb 12 00:01 7970 Mar 01 09:00	2°≈34'57 1°≈57'30 3°≈12'24 9°≈41'04 0°¥ 21°¥43'29	
desc. node retrograde evening set min. Earth dist. inferior conj minimum elong morning rise	7967 Aug 11 23:03 7967 Aug 12 03:38 7967 Aug 27 14:52 7967 Sep 01 20:11 7967 Sep 02 13:14 7967 Sep 02 03:55 7967 Sep 07 17:31	24° m 26'32 24° m 26'34 19° m 47'27 16° m 38'50 16° m 12'08 16° m 26'43 13° m 03'43	0.28611 AU -4°57'02	minimum elong behind sun begin behind sun end desc. node	7970 Jan 21 00:16 7970 Jan 20 12:14 7970 Jan 21 12:18 7970 Jan 26 17:08 7970 Feb 12 00:01 7970 Mar 01 09:00 7970 Mar 07 23:40	2°≈34'57 1°≈57'30 3°≈12'24 9°≈41'04 0°)€ 21°)€43'29 0°°	
desc. node retrograde evening set min. Earth dist. inferior conj minimum elong morning rise direct	7967 Aug 11 23:03 7967 Aug 12 03:38 7967 Aug 27 14:52 7967 Sep 01 20:11 7967 Sep 02 13:14 7967 Sep 02 03:55 7967 Sep 07 17:31 7967 Sep 23 22:15	24° m 26'32 24° m 26'34 19° m 47'27 16° m 38'50 16° m 12'08 16° m 26'43 13° m 03'43 8° m 05'11	0.28611 AU -4°57'02 4°54'47	minimum elong behind sun begin behind sun end desc. node	7970 Jan 21 00:16 7970 Jan 20 12:14 7970 Jan 21 12:18 7970 Jan 26 17:08 7970 Feb 12 00:01 7970 Mar 01 09:00 7970 Mar 07 23:40 7970 Mar 31 22:27	2°≈34'57 1°≈57'30 3°≈12'24 9°≈41'04 0°)€ 21°)€43'29 0°° 0°° 0°\$	
desc. node retrograde evening set min. Earth dist. inferior conj minimum elong morning rise	7967 Aug 11 23:03 7967 Aug 12 03:38 7967 Aug 27 14:52 7967 Sep 01 20:11 7967 Sep 02 13:14 7967 Sep 02 03:55 7967 Sep 07 17:31 7967 Sep 23 22:15 7967 Oct 03 15:15	24° m 26'32 24° m 26'34 19° m 47'27 16° m 38'50 16° m 12'08 16° m 26'43 13° m 03'43 8° m 05'11 9° m 47'36	0.28611 AU -4°57'02 4°54'47	minimum elong behind sun begin behind sun end desc. node	7970 Jan 21 00:16 7970 Jan 20 12:14 7970 Jan 21 12:18 7970 Jan 26 17:08 7970 Feb 12 00:01 7970 Mar 01 09:00 7970 Mar 07 23:40 7970 Mar 31 22:27 7970 Apr 24 22:35	2°≈34'57 1°≈57'30 3°≈12'24 9°≈41'04 0°¥ 21°¥43'29 0°Y 0°B 0°I	
desc. node retrograde evening set min. Earth dist. inferior conj minimum elong morning rise direct greatest brilliancy	7967 Aug 11 23:03 7967 Aug 12 03:38 7967 Aug 27 14:52 7967 Sep 01 20:11 7967 Sep 02 13:14 7967 Sep 02 03:55 7967 Sep 07 17:31 7967 Sep 23 22:15 7967 Oct 03 15:15 7967 Nov 03 03:05	24° m 26'32 24° m 26'34 19° m 47'27 16° m 38'50 16° m 12'08 16° m 26'43 13° m 03'43 8° m 05'11 9° m 47'36 0° Ω	0.28611 AU -4°57'02 4°54'47 -4.7m	minimum elong behind sun begin behind sun end desc. node evening rise	7970 Jan 21 00:16 7970 Jan 20 12:14 7970 Jan 21 12:18 7970 Jan 26 17:08 7970 Feb 12 00:01 7970 Mar 01 09:00 7970 Mar 07 23:40 7970 Mar 31 22:27 7970 Apr 24 22:35 7970 May 19 03:08	2°≈34'57 1°≈57'30 3°≈12'24 9°≈41'04 0°¥ 21°¥43'29 0°° 0°¥ 0°II 0°©	
desc. node retrograde evening set min. Earth dist. inferior conj minimum elong morning rise direct greatest brilliancy morning max el	7967 Aug 11 23:03 7967 Aug 12 03:38 7967 Aug 27 14:52 7967 Sep 01 20:11 7967 Sep 02 13:14 7967 Sep 02 03:55 7967 Sep 07 17:31 7967 Sep 23 22:15 7967 Oct 03 15:15 7967 Nov 03 03:05 7967 Nov 11 14:33	24° m 26'32 24° m 26'34 19° m 47'27 16° m 38'50 16° m 12'08 16° m 26'43 13° m 03'43 8° m 05'11 9° m 47'36 0° Ω 7° Ω 50'11	0.28611 AU -4°57'02 4°54'47 -4.7m	minimum elong behind sun begin behind sun end desc. node	7970 Jan 21 00:16 7970 Jan 20 12:14 7970 Jan 21 12:18 7970 Jan 26 17:08 7970 Feb 12 00:01 7970 Mar 01 09:00 7970 Mar 07 23:40 7970 Mar 31 22:27 7970 Apr 24 22:35 7970 May 19 03:08 7970 May 19 16:13	2°≈34'57 1°≈57'30 3°≈12'24 9°≈41'04 0°¥ 21°¥43'29 0°Y 0°B 0°B 0°S	
desc. node retrograde evening set min. Earth dist. inferior conj minimum elong morning rise direct greatest brilliancy	7967 Aug 11 23:03 7967 Aug 12 03:38 7967 Aug 27 14:52 7967 Sep 01 20:11 7967 Sep 02 13:14 7967 Sep 02 03:55 7967 Sep 07 17:31 7967 Sep 23 22:15 7967 Oct 03 15:15 7967 Nov 03 03:05 7967 Nov 11 14:33 7967 Dec 02 22:37	24° m 26'32 24° m 26'34 19° m 47'27 16° m 38'50 16° m 12'08 16° m 26'43 13° m 03'43 8° m 05'11 9° m 47'36 0° £ 7° £ 50'11 29° £ 39'25	0.28611 AU -4°57'02 4°54'47 -4.7m	minimum elong behind sun begin behind sun end desc. node evening rise	7970 Jan 21 00:16 7970 Jan 20 12:14 7970 Jan 21 12:18 7970 Jan 26 17:08 7970 Feb 12 00:01 7970 Mar 01 09:00 7970 Mar 07 23:40 7970 Mar 31 22:27 7970 Apr 24 22:35 7970 May 19 03:08 7970 May 19 16:13 7970 Jun 12 15:53	2°≈34'57 1°≈57'30 3°≈12'24 9°≈41'04 0°¥ 21°¥43'29 0°Y 0°8 0°II 0°© 0°\$40'19 0°Ω	
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desc. node retrograde evening set min. Earth dist. inferior conj minimum elong morning rise direct greatest brilliancy morning max el asc. node  desc. node	7967 Aug 11 23:03 7967 Aug 12 03:38 7967 Aug 27 14:52 7967 Sep 01 20:11 7967 Sep 02 13:14 7967 Sep 02 03:55 7967 Sep 07 17:31 7967 Sep 23 22:15 7967 Oct 03 15:15 7967 Nov 03 03:05 7967 Nov 11 14:33 7967 Dec 02 22:37 7967 Dec 03 06:16 7967 Dec 03 00:26 7968 Jan 24 10:18 7968 Feb 18 03:31 7968 Mar 13 11:17 7968 Mar 23 15:27 7968 Apr 06 13:20 7968 Apr 30 12:11 7968 May 13 15:17 7968 May 14 10:06 7968 Jun 17 09:10	24° m 26'32 24° m 26'34 19° m 47'27 16° m 38'50 16° m 12'08 16° m 26'43 13° m 03'43 8° m 05'11 9° m 47'36 0° Ω 7° Ω 50'11 29° Ω 39'25 0° m 0° ズ 0° ズ 0° ズ 0° ズ 0° ズ 12° ★ 38'32 0° ϒ 0° ℧ 16° ℧ 28'27 0° Ⅱ	0.28611 AU -4°57'02 4°54'47 -4.7m	minimum elong behind sun begin behind sun end desc. node evening rise  asc. node  evening max el desc. node greatest brilliancy retrograde evening set inferior conj minimum elong	7970 Jan 21 00:16 7970 Jan 20 12:14 7970 Jan 20 12:18 7970 Jan 26 17:08 7970 Feb 12 00:01 7970 Mar 01 09:00 7970 Mar 07 23:40 7970 Mar 31 22:27 7970 Apr 24 22:35 7970 May 19 16:13 7970 Jun 12 15:53 7970 Jul 07 18:12 7970 Aug 02 20:56 7970 Aug 31 06:55 7970 Sep 01 22:14 7970 Sep 08 10:30 7970 Oct 10 20:18 7970 Oct 10 20:18 7970 Oct 30 05:17 7970 Nov 08 00:52 7970 Nov 11 08:12 7970 Nov 11 08:12	2°≈34'57 1°≈57'30 3°≈12'24 9°≈41'04 0° € 21° € 43'29 0° ♀ 0° ■ 0° ■ 0° ■ 1° ■ 35'34 7° ■ 43'10 29° ■ 55'32 0° ₹ 1° ₹ 44'41 30° € ■ 25° ■ 33'38 23° ■ 30'50 23° ■ 24'42	0°14′05 45°43′56 -4.7m
desc. node retrograde evening set min. Earth dist. inferior conj minimum elong morning rise direct greatest brilliancy morning max el asc. node  desc. node	7967 Aug 11 23:03 7967 Aug 12 03:38 7967 Aug 27 14:52 7967 Sep 01 20:11 7967 Sep 02 13:14 7967 Sep 02 03:55 7967 Sep 07 17:31 7967 Sep 23 22:15 7967 Nov 03 03:05 7967 Nov 11 14:33 7967 Dec 02 22:37 7967 Dec 03 06:16 7967 Dec 03 06:16 7967 Dec 30 00:26 7968 Jan 24 10:18 7968 Feb 18 03:31 7968 Mar 13 11:17 7968 Mar 23 15:27 7968 Apr 06 13:20 7968 May 13 15:17 7968 May 24 10:06	24° m 26'32 24° m 26'34 19° m 47'27 16° m 38'50 16° m 12'08 16° m 26'43 13° m 03'43 8° m 05'11 9° m 47'36 0° Ω 7° Ω 50'11 29° Ω 39'25 0° m 0° ズ 0° ズ 0° ズ 0° ズ 0° ズ 12° ★ 38'32 0° ϒ 0° ℧ 16° ℧ 28'27 0° Ⅱ	0.28611 AU -4°57'02 4°54'47 -4.7m 45°41'59	minimum elong behind sun begin behind sun end desc. node evening rise  asc. node  evening max el desc. node greatest brilliancy retrograde evening set inferior conj	7970 Jan 21 00:16 7970 Jan 20 12:14 7970 Jan 20 12:18 7970 Jan 26 17:08 7970 Feb 12 00:01 7970 Mar 01 09:00 7970 Mar 07 23:40 7970 Mar 31 22:27 7970 Apr 24 22:35 7970 May 19 16:13 7970 Jun 12 15:53 7970 Jul 07 18:12 7970 Aug 02 20:56 7970 Aug 31 06:55 7970 Sep 01 22:14 7970 Sep 08 10:30 7970 Oct 10 20:18 7970 Oct 10 10:29 7970 Oct 20 20:25 7970 Nov 08 00:52 7970 Nov 11 08:12	2°≈34'57 1°≈57'30 3°≈12'24 9°≈41'04 0° € 21° € 43'29 0° ♀ 0° № 0° № 0° № 0° № 1° № 1° № 35'34 7° № 43'10 29° № 55'32 0° № 1° № 44'41 30° № 25° № 33'38 23° № 30'50 23° № 24'42 23° № 15'08	0°14'05 45°43'56 -4.7m
desc. node retrograde evening set min. Earth dist. inferior conj minimum elong morning rise direct greatest brilliancy morning max el asc. node  desc. node	7967 Aug 11 23:03 7967 Aug 12 03:38 7967 Aug 27 14:52 7967 Sep 01 20:11 7967 Sep 02 13:14 7967 Sep 02 03:55 7967 Sep 07 17:31 7967 Sep 23 22:15 7967 Oct 03 15:15 7967 Nov 03 03:05 7967 Nov 11 14:33 7967 Dec 02 22:37 7967 Dec 03 06:16 7967 Dec 03 00:26 7968 Jan 24 10:18 7968 Feb 18 03:31 7968 Mar 13 11:17 7968 Mar 23 15:27 7968 Apr 06 13:20 7968 Apr 30 12:11 7968 May 13 15:17 7968 May 14 10:06 7968 Jun 17 09:10	24° m 26'32 24° m 26'34 19° m 47'27 16° m 38'50 16° m 12'08 16° m 26'43 13° m 03'43 8° m 05'11 9° m 47'36 0° Ω 7° Ω 50'11 29° Ω 39'25 0° m 0° ¾ 0° ♂ 0° ¾ 12° 升 38'32 0° ϒ 0° ϒ 16° ♂ 28'27 0° Ⅱ 0° ©	0.28611 AU -4°57'02 4°54'47 -4.7m 45°41'59	minimum elong behind sun begin behind sun end desc. node evening rise  asc. node  evening max el desc. node greatest brilliancy retrograde evening set inferior conj minimum elong	7970 Jan 21 00:16 7970 Jan 20 12:14 7970 Jan 20 12:18 7970 Jan 26 17:08 7970 Feb 12 00:01 7970 Mar 01 09:00 7970 Mar 07 23:40 7970 Mar 31 22:27 7970 Apr 24 22:35 7970 May 19 16:13 7970 Jun 12 15:53 7970 Jul 07 18:12 7970 Aug 02 20:56 7970 Aug 31 06:55 7970 Sep 01 22:14 7970 Sep 08 10:30 7970 Oct 10 20:18 7970 Oct 10 20:18 7970 Oct 30 05:17 7970 Nov 08 00:52 7970 Nov 11 08:12 7970 Nov 11 08:12	2°≈34'57 1°≈57'30 3°≈12'24 9°≈41'04 0° € 21° € 43'29 0° ♀ 0° ■ 0° ■ 0° ■ 1° ■ 35'34 7° ■ 43'10 29° ■ 55'32 0° ₹ 1° ₹ 44'41 30° € ■ 25° ■ 33'38 23° ■ 30'50 23° ■ 24'42	0°14'05 45°43'56 -4.7m -8°28'19 8°27'59
desc. node retrograde evening set min. Earth dist. inferior conj minimum elong morning rise direct greatest brilliancy morning max el asc. node  desc. node  superior conj	7967 Aug 11 23:03 7967 Aug 12 03:38 7967 Aug 27 14:52 7967 Sep 01 20:11 7967 Sep 02 13:14 7967 Sep 02 03:55 7967 Sep 07 17:31 7967 Sep 23 22:15 7967 Oct 03 15:15 7967 Nov 03 03:05 7967 Nov 11 14:33 7967 Dec 02 22:37 7967 Dec 03 06:16 7967 Dec 03 00:26 7968 Jan 24 10:18 7968 Feb 18 03:31 7968 Mar 13 11:17 7968 Mar 23 15:27 7968 Apr 06 13:20 7968 Apr 30 12:11 7968 May 13 15:17 7968 May 13 15:17 7968 May 24 10:06 7968 Jun 17 09:10	24° m 26'32 24° m 26'34 19° m 47'27 16° m 38'50 16° m 12'08 16° m 26'43 13° m 03'43 8° m 05'11 9° m 47'36 0° Ω 7° Ω 50'11 29° Ω 39'25 0° m 0° ズ 0° ズ 0° ズ 0° ズ 12° 升 38'32 0° Υ 0° ϒ 16° 8 28'27 0° Π 0° © 6° © 14'06	0.28611 AU -4°57'02 4°54'47 -4.7m 45°41'59	minimum elong behind sun begin behind sun end desc. node evening rise  asc. node  evening max el desc. node greatest brilliancy retrograde evening set inferior conj minimum elong min. Earth dist.	7970 Jan 21 00:16 7970 Jan 20 12:14 7970 Jan 20 12:18 7970 Jan 26 17:08 7970 Feb 12 00:01 7970 Mar 01 09:00 7970 Mar 07 23:40 7970 Mar 31 22:27 7970 Apr 24 22:35 7970 May 19 03:08 7970 Jun 12 15:53 7970 Jul 07 18:12 7970 Aug 02 20:56 7970 Aug 31 06:55 7970 Sep 01 22:14 7970 Sep 08 10:30 7970 Oct 10 20:18 7970 Oct 10 20:18 7970 Oct 20 20:25 7970 Oct 30 05:17 7970 Nov 08 00:52 7970 Nov 11 08:12 7970 Nov 11 18:12	2°≈34'57 1°≈57'30 3°≈12'24 9°≈41'04 0° € 21° € 43'29 0° ♀ 0° № 0° № 0° № 0° № 1° № 1° № 35'34 7° № 43'10 29° № 55'32 0° № 1° № 44'41 30° № 25° № 33'38 23° № 30'50 23° № 24'42 23° № 15'08	0°14'05 45°43'56 -4.7m -8°28'19 8°27'59
desc. node retrograde evening set min. Earth dist. inferior conj minimum elong morning rise direct greatest brilliancy morning max el asc. node  desc. node  superior conj minimum elong	7967 Aug 11 23:03 7967 Aug 12 03:38 7967 Aug 27 14:52 7967 Sep 01 20:11 7967 Sep 02 13:14 7967 Sep 02 03:55 7967 Sep 07 17:31 7967 Sep 23 22:15 7967 Oct 03 15:15 7967 Nov 03 03:05 7967 Nov 11 14:33 7967 Dec 02 22:37 7967 Dec 03 06:16 7967 Dec 30 00:26 7968 Jan 24 10:18 7968 Feb 18 03:31 7968 Mar 13 11:17 7968 Mar 23 15:27 7968 Apr 06 13:20 7968 Apr 30 12:11 7968 May 13 15:17 7968 May 13 15:17 7968 May 14 10:06 7968 Jun 17 09:10 7968 Jun 22 09:00 7968 Jun 22 19:25	24° m 26'32 24° m 26'34 19° m 47'27 16° m 38'50 16° m 12'08 16° m 26'43 13° m 03'43 8° m 05'11 9° m 47'36 0° Ω 7° Ω 50'11 29° Ω 39'25 0° M 0° ズ 0° ℧ 0° ズ 12° X 38'32 0° Y 0° ℧ 16° ℧ 28'27 0° Д 6° © 14'06 6° © 46'36	0.28611 AU -4°57'02 4°54'47 -4.7m 45°41'59	minimum elong behind sun begin behind sun end desc. node evening rise  asc. node  evening max el desc. node greatest brilliancy retrograde evening set inferior conj minimum elong min. Earth dist. morning rise	7970 Jan 21 00:16 7970 Jan 20 12:14 7970 Jan 20 12:18 7970 Jan 26 17:08 7970 Feb 12 00:01 7970 Mar 01 09:00 7970 Mar 07 23:40 7970 Mar 31 22:27 7970 Apr 24 22:35 7970 May 19 03:08 7970 Jun 12 15:53 7970 Jun 12 15:53 7970 Jul 07 18:12 7970 Aug 02 20:56 7970 Aug 31 06:55 7970 Sep 01 22:14 7970 Sep 08 10:30 7970 Oct 10 20:18 7970 Oct 10 20:18 7970 Oct 10 1:29 7970 Oct 20 20:25 7970 Nov 11 08:12 7970 Nov 11 08:12 7970 Nov 11 18:12 7970 Nov 11 18:12	2°≈34'57 1°≈57'30 3°≈12'24 9°≈41'04 0° € 21° € 43'29 0° ♀ 0° № 0° № 0° № 1° № 1° № 35'34 7° № 43'10 29° № 55'32 0° № 1° № 44'41 30° № 1 25° № 33'38 23° № 30'50 23° № 24'42 23° № 15'08 21° № 16'02	0°14'05 45°43'56 -4.7m -8°28'19 8°27'59
desc. node retrograde evening set min. Earth dist. inferior conj minimum elong morning rise direct greatest brilliancy morning max el asc. node  desc. node  superior conj minimum elong	7967 Aug 11 23:03 7967 Aug 22 03:38 7967 Aug 27 14:52 7967 Sep 01 20:11 7967 Sep 02 13:14 7967 Sep 02 03:55 7967 Sep 07 17:31 7967 Sep 23 22:15 7967 Oct 03 15:15 7967 Nov 03 03:05 7967 Nov 11 14:33 7967 Dec 02 22:37 7967 Dec 03 06:16 7967 Dec 30 00:26 7968 Jan 24 10:18 7968 Feb 18 03:31 7968 Mar 13 11:17 7968 Mar 23 15:27 7968 Apr 06 13:20 7968 Apr 30 12:11 7968 May 13 15:17 7968 May 13 15:17 7968 May 24 10:06 7968 Jun 22 09:00 7968 Jun 22 09:00 7968 Jun 22 19:25 7968 Jun 25 23:18	24° m 26'32 24° m 26'34 19° m 47'27 16° m 38'50 16° m 12'08 16° m 26'43 13° m 03'43 8° m 05'11 9° m 47'36 0° Ω 7° Ω 50'11 29° Ω 39'25 0° M 0° ズ 0° ℧ 0° ズ 12° X 38'32 0° Y 0° ℧ 16° ℧ 28'27 0° 別 6° © 14'06 6° © 46'36 10° © 43'18	0.28611 AU -4°57'02 4°54'47 -4.7m 45°41'59	minimum elong behind sun begin behind sun end desc. node evening rise  asc. node  evening max el desc. node greatest brilliancy retrograde evening set inferior conj minimum elong min. Earth dist. morning rise direct	7970 Jan 21 00:16 7970 Jan 20 12:14 7970 Jan 20 12:18 7970 Jan 26 17:08 7970 Feb 12 00:01 7970 Mar 01 09:00 7970 Mar 07 23:40 7970 Mar 31 22:27 7970 Apr 24 22:35 7970 May 19 03:08 7970 Jun 12 15:53 7970 Jun 12 15:53 7970 Jul 07 18:12 7970 Aug 02 20:56 7970 Aug 31 06:55 7970 Sep 01 22:14 7970 Sep 08 10:30 7970 Oct 10 20:18 7970 Oct 10 20:18 7970 Oct 10 10:29 7970 Oct 20 20:25 7970 Nov 11 08:12 7970 Nov 11 08:12 7970 Nov 11 12:06 7970 Nov 11 12:06 7970 Nov 14 23:12 7970 Dec 02 20:17	2°≈34'57 1°≈57'30 3°≈12'24 9°≈41'04 0° € 21° € 43'29 0° ♀ 0° № 0° № 0° № 1° № 1° № 35'34 7° № 43'10 29° № 55'32 0° ₹ 1° ₹ 44'41 30° № 25° № 33'38 23° № 30'50 23° № 24'42 23° № 15'08 21° № 12'07	0°14'05 45°43'56 -4.7m -8°28'19 8°27'59 0.29051 AU
desc. node retrograde evening set min. Earth dist. inferior conj minimum elong morning rise direct greatest brilliancy morning max el asc. node  desc. node  superior conj minimum elong max. Earth dist.	7967 Aug 11 23:03 7967 Aug 22 03:38 7967 Aug 27 14:52 7967 Sep 01 20:11 7967 Sep 02 13:14 7967 Sep 02 03:55 7967 Sep 07 17:31 7967 Sep 23 22:15 7967 Oct 03 15:15 7967 Nov 03 03:05 7967 Nov 11 14:33 7967 Dec 02 22:37 7967 Dec 03 06:16 7967 Dec 30 00:26 7968 Jan 24 10:18 7968 Feb 18 03:31 7968 Mar 13 11:17 7968 Mar 23 15:27 7968 Apr 06 13:20 7968 Apr 30 12:11 7968 May 13 15:17 7968 May 13 15:17 7968 May 24 10:06 7968 Jun 22 09:00 7968 Jun 22 09:00 7968 Jun 22 19:25 7968 Jun 25 23:18 7968 Jul 11 10:49	24° m 26'32 24° m 26'34 19° m 47'27 16° m 38'50 16° m 12'08 16° m 26'43 13° m 03'43 8° m 05'11 9° m 47'36 0° Ω 7° Ω 50'11 29° Ω 39'25 0° M 0° ズ 0° ℧ 0° ❤ 12° ★ 38'32 0° ϒ 0° ϒ 16° ℧ 28'27 0° 別 0° ©	0.28611 AU -4°57'02 4°54'47 -4.7m 45°41'59	minimum elong behind sun begin behind sun end desc. node evening rise  asc. node  evening max el desc. node greatest brilliancy retrograde evening set inferior conj minimum elong min. Earth dist. morning rise direct greatest brilliancy	7970 Jan 21 00:16 7970 Jan 20 12:14 7970 Jan 20 12:18 7970 Jan 26 17:08 7970 Feb 12 00:01 7970 Mar 01 09:00 7970 Mar 07 23:40 7970 Mar 31 22:27 7970 Apr 24 22:35 7970 May 19 03:08 7970 Jun 12 15:53 7970 Jun 12 15:53 7970 Jul 07 18:12 7970 Aug 02 20:56 7970 Aug 31 06:55 7970 Sep 01 22:14 7970 Sep 08 10:30 7970 Oct 10 20:18 7970 Oct 10 20:18 7970 Oct 10 10:29 7970 Oct 20 20:25 7970 Nov 11 08:12 7970 Nov 11 08:12 7970 Nov 11 12:06 7970 Nov 11 12:06 7970 Nov 14 23:12 7970 Dec 02 20:17 7970 Dec 03 20:17	2°≈34'57 1°≈57'30 3°≈12'24 9°≈41'04 0°)€ 21°)€43'29 0°° 0°©€40'19 0°© 0°™ 0°™ 1°™35'34 7°™43'10 29°™55'32 0°× 1°×44'41 30°°™ 25°™33'38 23°™30'50 23°™24'42 23°™15'08 21°™16'02 15°™12'07 17°™21'51	0°14'05 45°43'56 -4.7m -8°28'19 8°27'59 0.29051 AU
desc. node retrograde evening set min. Earth dist. inferior conj minimum elong morning rise direct greatest brilliancy morning max el asc. node  desc. node  superior conj minimum elong max. Earth dist. asc. node	7967 Aug 11 23:03 7967 Aug 22 03:38 7967 Aug 27 14:52 7967 Sep 01 20:11 7967 Sep 02 13:14 7967 Sep 02 03:55 7967 Sep 07 17:31 7967 Sep 23 22:15 7967 Oct 03 15:15 7967 Nov 03 03:05 7967 Nov 11 14:33 7967 Dec 02 22:37 7967 Dec 03 06:16 7967 Dec 03 06:16 7967 Dec 30 00:26 7968 Jan 24 10:18 7968 Feb 18 03:31 7968 Mar 13 11:17 7968 Mar 23 15:27 7968 Apr 06 13:20 7968 Apr 30 12:11 7968 May 13 15:17 7968 May 13 15:17 7968 May 24 10:06 7968 Jun 27 7968 Jun 17 7968 Jun 17 7968 Jun 22 7968 Jun 25 7968 Jun 25 7968 Jun 25 7968 Jul 11 7968 Jul 14 7968 Jul 14 7968 Jul 14	24° m 26'32 24° m 26'34 19° m 47'27 16° m 38'50 16° m 12'08 16° m 26'43 13° m 03'43 8° m 05'11 9° m 47'36 0° Ω 7° Ω 50'11 29° Ω 39'25 0° M 0° ¾ 12° ¥ 38'32 0° ¥ 12° ¥ 38'32 0° ¥ 10° ⑤ 16° Ø 28'27 0° Ⅱ 0° ⑤ 16° Ø 36'36 10° ⑤ 46'36 10° ⑥ 43'18 0° Ω 3° Ω 53'18	0.28611 AU -4°57'02 4°54'47 -4.7m 45°41'59	minimum elong behind sun begin behind sun end desc. node evening rise  asc. node  evening max el desc. node greatest brilliancy retrograde evening set inferior conj minimum elong min. Earth dist. morning rise direct greatest brilliancy	7970 Jan 21 00:16 7970 Jan 20 12:14 7970 Jan 20 12:18 7970 Jan 26 17:08 7970 Feb 12 00:01 7970 Mar 01 09:00 7970 Mar 07 23:40 7970 Mar 31 22:27 7970 Apr 24 22:35 7970 May 19 03:08 7970 Jun 12 15:53 7970 Jun 12 15:53 7970 Jul 07 18:12 7970 Aug 02 20:56 7970 Aug 31 06:55 7970 Sep 01 22:14 7970 Sep 08 10:30 7970 Oct 10 20:18 7970 Oct 10 20:18 7970 Oct 11 01:29 7970 Oct 20 20:25 7970 Oct 30 05:17 7970 Nov 11 08:12 7970 Nov 11 08:12 7970 Nov 11 12:06 7970 Nov 11 18:12 7970 Nov 14 23:12 7970 Dec 02 20:17 7970 Dec 13 17:49 7970 Dec 30 10:13	2°≈34'57 1°≈57'30 3°≈12'24 9°≈41'04 0°)€ 21°)€43'29 0°° 0°Ы 0°Ы 0°Ы 0°Ы 0°Ы 0°Ы 1°М35'34 7°М43'10 29°М55'32 0°% 1°%44'41 30°RM 25°M33'38 23°M30'50 23°M24'42 23°M15'08 21°M16'02 15°M12'07 17°M21'51 27°M04'09	0°14'05 45°43'56 -4.7m -8°28'19 8°27'59 0.29051 AU
desc. node retrograde evening set min. Earth dist. inferior conj minimum elong morning rise direct greatest brilliancy morning max el asc. node  desc. node  superior conj minimum elong max. Earth dist. asc. node	7967 Aug 11 23:03 7967 Aug 22 03:38 7967 Aug 27 14:52 7967 Sep 01 20:11 7967 Sep 02 13:14 7967 Sep 02 03:55 7967 Sep 07 17:31 7967 Sep 23 22:15 7967 Oct 03 15:15 7967 Nov 03 03:05 7967 Nov 11 14:33 7967 Dec 02 22:37 7967 Dec 03 06:16 7967 Dec 03 06:16 7968 Jan 24 10:18 7968 Feb 18 03:31 7968 Mar 13 11:17 7968 Mar 23 15:27 7968 Apr 06 13:20 7968 Apr 30 12:11 7968 May 13 15:17 7968 May 13 15:17 7968 May 24 10:06 7968 Jun 27 7968 Jun 27 7968 Jun 28 7968 Jun 29:00 7968 Jun 22 19:25 7968 Jun 25 23:18 7968 Jul 11 10:49 7968 Jul 14 13:55 7968 Jul 31 07:25	24° m 26'32 24° m 26'34 19° m 47'27 16° m 38'50 16° m 12'08 16° m 26'43 13° m 03'43 8° m 05'11 9° m 47'36 0° a 7° a 50'11 29° a 39'25 0° m 0° x' 0° \to	0.28611 AU -4°57'02 4°54'47 -4.7m 45°41'59	minimum elong behind sun begin behind sun end desc. node evening rise  asc. node  evening max el desc. node greatest brilliancy retrograde evening set inferior conj minimum elong min. Earth dist. morning rise direct greatest brilliancy asc. node	7970 Jan 21 00:16 7970 Jan 20 12:14 7970 Jan 20 12:14 7970 Jan 21 12:18 7970 Jan 26 17:08 7970 Feb 12 00:01 7970 Mar 01 09:00 7970 Mar 07 23:40 7970 Mar 31 22:27 7970 Apr 24 22:35 7970 May 19 03:08 7970 Jun 12 15:53 7970 Jun 12 15:53 7970 Jun 07 18:12 7970 Aug 02 20:56 7970 Aug 02 20:56 7970 Sep 01 22:14 7970 Sep 08 10:30 7970 Oct 10 20:18 7970 Oct 10 20:18 7970 Oct 11 01:29 7970 Oct 20 20:25 7970 Oct 30 05:17 7970 Nov 08 00:52 7970 Nov 11 08:12 7970 Nov 11 08:12 7970 Nov 11 12:06 7970 Nov 11 12:06 7970 Nov 11 12:06 7970 Nov 11 18:12 7970 Dec 02 20:17 7970 Dec 03 01:13 7971 Jan 03 04:44	2°≈34'57 1°≈57'30 3°≈12'24 9°≈41'04 0°)€ 21°)€43'29 0°° 0°Ы 0°Ы 0°Ы 0°Ы 0°Ы 1°М35'34 7°M43'10 29°M55'32 0°% 1°¾44'41 30°€M 25°M33'38 23°M30'50 23°M24'42 23°M15'08 21°M16'02 15°M12'07 17°M21'51 27°M04'09 0°%	0°14′05 45°43′56 -4.7m -8°28′19 8°27′59 0.29051 AU -4.8m

	7071 M 02 06.44	0900			7072 0-4 04 20.42	00.7	
	7971 Mar 02 06:44	0°≈			7973 Oct 04 20:43	0° <b>⊼</b>	
	7971 Mar 27 15:04	0° <b>∀</b>		desc. node	7973 Oct 05 21:59	1° <b>∡</b> 10'43	
desc. node	7971 Apr 21 03:42	29° <b>)</b> (49'20			7973 Nov 01 17:46	0°る	
	7971 Apr 21 07:10	0°Υ		evening max el	7973 Nov 12 11:51	10° <b>る</b> 39'31	45°51'19
	7971 May 15 14:57	0°8			7973 Dec 05 05:15	0° <b>≈</b>	
	7971 Jun 08 19:04	0° <b>I</b> I		greatest brilliancy	7973 Dec 21 19:44	9° <b>≈</b> 01'29	-4.8m
	7971 Jul 02 22:39	0°€		retrograde	7973 Dec 31 09:18	10° <b>≈</b> 41′25	
morning set	7971 Jul 26 16:23	29° <b>©</b> 26'05		evening set	7974 Jan 15 04:51	6° <b>≈</b> 25'48	
	7971 Jul 27 03:21	$0 ^{\circ} \Omega$		inferior conj	7974 Jan 21 06:38	2° <b>≈</b> 50'02	-1°25'24
asc. node	7971 Aug 12 01:50	19° <b>Ω</b> 43'15		minimum elong	7974 Jan 21 09:52	2° <b>≈</b> 45'03	
	7971 Aug 20 09:29	O° My		min. Earth dist.	7974 Jan 21 20:58		0.27535 AU
					7974 Jan 25 23:10	30°₹⋜	
superior conj	7971 Sep 02 12:10	16° Mp 11'35	0°48'44	asc. node	7974 Jan 26 21:55	29° <b>る</b> 27'49	
minimum elong	7971 Sep 02 03:17	15° Mp 44'09	0°48'20	morning rise	7974 Jan 27 14:16	29° <b>る</b> 05'24	
max. Earth dist.	7971 Sep 03 18:30	17° Mp 45'13	1.73122 AU	direct	7974 Feb 11 07:05	24° <b>る</b> 50'22	
	7971 Sep 13 16:45	0∘ <b>⊽</b>		greatest brilliancy	7974 Feb 22 02:01	27° <b>る</b> 01'19	-4.9m
	7971 Oct 08 01:07	0°M			7974 Feb 28 08:21	0° <b>≈</b>	
evening rise	7971 Oct 09 00:10	1°ML10'55		morning max el	7974 Apr 02 18:50	27° <b>≈</b> 44′01	46°54'40
	7971 Nov 01 11:15	0° <b>∡</b> ¹			7974 Apr 05 00:21	0° <b>∀</b>	
	7971 Nov 25 23:56	0°ರ			7974 May 02 13:02	$0$ ° $\Upsilon$	
desc. node	7971 Dec 01 19:21	7° <b>る</b> 05'04		desc. node	7974 May 18 15:54	18° <b>Ƴ</b> 39'58	
	7971 Dec 20 15:34	0° <b>≈</b>			7974 May 28 06:04	0° <b>႘</b>	
	7972 Jan 14 10:31	0° <b>∀</b>			7974 Jun 22 05:47	$\Pi^{\circ}0$	
	7972 Feb 08 10:58	$0$ ° $\Upsilon$			7974 Jul 16 22:18	$0$ $\circ$ $\odot$	
	7972 Mar 05 00:18	$8^{\circ}$			7974 Aug 10 12:09	$0^{\circ}\Omega$	
asc. node	7972 Mar 23 18:55	21° <b>8</b> 09'45			7974 Sep 04 00:41	0° <b>m</b> y	
	7972 Mar 31 23:27	$\Pi^{\circ}0$		asc. node	7974 Sep 08 14:07	5° <b>m</b> 35'07	
evening max el	7972 Apr 09 04:43	8° <b>Ⅲ</b> 30′53	47°00'21		7974 Sep 28 11:41	0∘ <b>ত</b>	
	7972 May 03 02:13	0°€		morning set	7974 Oct 04 01:51	6° <b>≙</b> 52'14	
greatest brilliancy	7972 May 19 12:29	9° <b>5</b> 30'26	-4.9m		7974 Oct 22 20:52	0° <b>M</b>	
retrograde	7972 May 29 18:31	11° <b>©</b> 29'27		max. Earth dist.	7974 Nov 08 13:03	20°M33'45	1.73219 AU
evening set	7972 Jun 14 20:36	6°\$24'49					
inferior conj	7972 Jun 19 15:14	3° <b>5</b> 32'09	5°38'30	superior conj	7974 Nov 09 14:33	21°M52'22	1°24'38
minimum elong	7972 Jun 20 01:46	3° <b>©</b> 15'57	5°35'43	minimum elong	7974 Nov 09 17:46	22°M02'17	1°24'44
min. Earth dist.	7972 Jun 19 14:28	3° <b>©</b> 33'21	0.27427 AU	C	7974 Nov 16 04:36	0° <b>∡</b> ¹	
morning rise	7972 Jun 25 07:15	0°ഇ10'23			7974 Dec 10 11:36	0°ರ	
C	7972 Jun 25 14:51	30° <b>Ŗ</b> Ⅱ		evening rise	7974 Dec 16 18:49	7° <b>る</b> 47'00	
direct	7972 Jul 10 10:56	25° <b>Ⅱ</b> 40'54		desc. node	7974 Dec 29 07:06	23° <b>る</b> 14'42	
desc. node	7972 Jul 13 13:17	25° <b>Ⅱ</b> 52'12			7975 Jan 03 18:16	0° <b>≈</b>	
greatest brilliancy	7972 Jul 20 06:35	27° <b>Ⅲ</b> 28'24	-4.8m		7975 Jan 28 00:31	0° <b>)</b> €	
,	7972 Jul 26 03:09	0°ಅ			7975 Feb 21 06:33	0° <b>Υ</b>	
morning max el	7972 Aug 28 19:43	26°529'20	46°00'39		7975 Mar 17 14:06	0° <b>႘</b>	
C	7972 Sep 01 09:55	$0^{\circ}\Omega$			7975 Apr 11 03:21	0° <b>I</b> I	
	7972 Sep 29 21:27	O° Mp		asc. node	7975 Apr 21 06:32	12° <b>Ⅱ</b> 13'04	
	7972 Oct 26 09:29	$0$ o $\overline{\mathbf{v}}$			7975 May 06 05:52	0°ಅ	
asc. node	7972 Nov 03 12:34	9° <b>£</b> 27'18			7975 Jun 01 12:48	$0^{\circ}\Omega$	
	7972 Nov 20 21:58	0°M		evening max el	7975 Jun 20 23:14	20° <b>Ω</b> 26'58	46°24'36
	7972 Dec 15 19:41	0° <b>√</b>		, and the second	7975 Jun 30 23:14	0° m)	
	7973 Jan 09 07:43	8°0		greatest brilliancy	7975 Jul 29 16:51	19° <b>m</b> 58'34	-4.8m
	7973 Feb 02 13:27	0° <b>≈</b>		retrograde	7975 Aug 09 19:07	22° m) 13'53	
desc. node	7973 Feb 23 05:11	25° <b>≈</b> 44'38		desc. node	7975 Aug 11 00:59	22° m/ 12'03	
morning set	7973 Feb 23 19:24	26° <b>≈</b> 29'03		evening set	7975 Aug 25 04:47	17° <b>m</b> ) 37'50	
C	7973 Feb 26 14:54	0° <b>∀</b>		min. Earth dist.	7975 Aug 30 12:19	14° <b>m</b> ) 26'16	0.28565 AU
	7973 Mar 22 13:19	$_{0}^{\circ}\Upsilon$		inferior conj	7975 Aug 31 05:01	14° <b>m</b> ) 00'07	
max. Earth dist.	7973 Apr 04 19:35	16° <b>Ƴ</b> 39'49	1.71228 AU	minimum elong	7975 Aug 30 20:00	14° <b>m</b> ) 14'14	
				morning rise	7975 Sep 05 11:44	10° <b>m</b> 48'05	
superior conj	7973 Apr 05 13:28	17° <b>Y</b> 36'02	-1°20'01	direct	7975 Sep 21 13:10	5° m 53'48	
minimum elong	7973 Apr 05 04:23	17° <b>Υ</b> 07'30		greatest brilliancy	7975 Oct 01 06:52	7° m/36'20	-4.7m
	7973 Apr 05 04:25	0°8		gy	7975 Nov 03 05:12	ე° <u>ი</u>	
	7973 May 09 06:52	0° <b>I</b>		morning max el	7975 Nov 09 04:30	ა <b>–</b> 5° <b>ჲ</b> 34'39	45°41'45
evening rise	7973 May 16 04:31	8° <b>∏</b> 39'36		asc. node	7975 Dec 02 00:31	28° <b>≏</b> 59'34	
	7973 Jun 02 05:55	0.2 0.2			7975 Dec 02 00:51	0°M	
asc. node	7973 Jun 16 03:57	17° <b>©</b> 20'07			7975 Dec 02 22:31 7975 Dec 29 14:09	0° <b>⊼</b> ¹	
	7973 Jun 26 09:06	0°Ω			7976 Jan 23 22:46	% ਰ∘ਰ	
	7973 Jul 20 18:10	0° <b>m</b>			7976 Feb 17 15:22	0° <b>≈</b>	
	7973 Aug 14 11:30	0∘ <b>ʊ</b> ○ '₩			7976 Mar 12 22:48	0° <b>∺</b>	
	7973 Sep 08 17:28	0°M.		desc. node	7976 Mar 12 22:48 7976 Mar 22 17:26	12° <b>∺</b> 09'12	
	, , , , 5 Sep 00 17.20	∪ IIU		desc. Houe	, , , O 1-101 22 1/.20	12 /(0) 12	

morning set	7976 Apr 06 00:39 7976 Apr 29 23:21 7976 May 11 02:39 7976 May 23 21:08 7976 Jun 16 20:06	0°Y 0°8 13°858'40 0°Ⅱ 0°©		inferior conj minimum elong min. Earth dist. morning rise direct	7978 Nov 09 00:19 7978 Nov 09 03:29 7978 Nov 09 08:44 7978 Nov 12 13:15 7978 Nov 30 13:04	21°M20'17 21°M15'19 21°M07'06 19°M08'45 13°M01'31	8°31'24 0.29080 AU
superior conj minimum elong	7976 Jun 19 22:17 7976 Jun 20 09:02	3° <b>©</b> 51'38 4° <b>©</b> 25'13		greatest brilliancy asc. node	7978 Dec 11 08:46 7978 Dec 29 12:10 7979 Jan 03 13:10	15°M09'53 25°M56'27 0°⊀	-4.8m
max. Earth dist.	7976 Jun 23 10:49 7976 Jul 10 21:42	$0^{\circ}\Omega$	1.71908 AU	morning max el	7979 Jan 19 05:03 7979 Feb 03 05:35	14° <b>渘</b> 25'19 0°る	46°11'48
asc. node evening rise	7976 Jul 13 15:48 7976 Jul 28 23:01	3° <b>\O</b> 25'21 22° <b>\O</b> 23'41			7979 Mar 01 21:14 7979 Mar 27 04:03	0° <b>≈</b> 0° <b>升</b>	
evening 1100	7976 Aug 04 02:35	0° mp		desc. node	7979 Apr 20 05:43	29° <b>∺</b> 18′09	
	7976 Aug 28 11:09	0° <b>⊽</b>			7979 Apr 20 19:21	0° <b>Υ</b>	
	7976 Sep 22 00:24	0°M.			7979 May 15 02:39	8°0	
desc. node	7976 Oct 16 20:20 7976 Nov 02 09:35	0° <b>₰</b> 19° <b>₰</b> 44'51			7979 Jun 08 06:27 7979 Jul 02 09:47	0°© 0°∏	
desc. flode	7976 Nov 11 01:40	0°중		morning set	7979 Jul 24 07:38	27° <b>©</b> 10'44	
	7976 Dec 06 20:30	0° <b>≈</b>		<i>5 5 1 1 1 1 1 1 1 1 1 1</i>	7979 Jul 26 14:17	$0^{\circ}\Omega$	
	7977 Jan 02 14:48	0° <b>)</b> €		asc. node	7979 Aug 11 03:54	19° <b>Ω</b> 16′09	
evening max el	7977 Jan 23 19:07	22° <b>₩</b> 08'56	46°37'03		7979 Aug 19 20:16	0° <b>m</b>	
asc. node	7977 Jan 31 22:47 7977 Feb 23 09:33	0° <b>Υ</b> 17° <b>Υ</b> 50'37		superior conj	7979 Aug 31 04:53	14° <b>m</b> 01'49	0°45'57
greatest brilliancy	7977 Mar 05 04:50	22° <b>Υ</b> 40'31	-4.9m	minimum elong	7979 Aug 31 04:33	13° <b>m</b> 35'13	0°45'32
retrograde	7977 Mar 14 23:59	24° <b>Y</b> 29'57		max. Earth dist.	7979 Sep 01 15:24	-	1.73095 AU
evening set	7977 Mar 31 19:01	19° <b>Y</b> 03'01			7979 Sep 13 03:27	0∘ <b>ত</b>	
inferior conj	7977 Apr 04 15:50	16° <b>Y</b> 42'56		evening rise	7979 Oct 06 17:57	29° <b>£</b> 04'53	
minimum elong min. Earth dist.	7977 Apr 04 07:10 7977 Apr 04 09:42	16° <b>Υ</b> 56'16 16° <b>Υ</b> 52'23	8°19'58 0.27015 AU		7979 Oct 07 11:52 7979 Oct 31 22:11	0° <b>M</b> 0° <i>≯</i>	
morning rise	7977 Apr 04 09:42 7977 Apr 07 19:19	16 <b>γ</b> 32 23	0.27013 AO		7979 Oct 31 22:11 7979 Nov 25 11:10	0°ਤ	
direct	7977 Apr 25 05:42	8° <b>Y</b> 56'05		desc. node	7979 Nov 30 21:14	6° <b>ප</b> 36'19	
greatest brilliancy	7977 May 04 20:38	10° <b>Ƴ</b> 40'54	-4.9m		7979 Dec 20 03:16	0° <b>≈</b>	
	7977 Jun 02 12:26	0°8			7980 Jan 13 22:56	0° <b>)</b> €	
morning max el desc. node	7977 Jun 14 13:18 7977 Jun 15 03:34	11° <b>8</b> 27'27 12° <b>8</b> 03'11	46°47'39		7980 Feb 08 00:29 7980 Mar 04 15:47	0° <b>႘</b>	
desc. flode	7977 Juli 13 03:34 7977 Jul 02 06:16	0° <b>I</b>		asc. node	7980 Mar 04 13.47 7980 Mar 22 20:59	20° <b>8</b> 25'41	
	7977 Jul 28 23:34	0ಂತಾ			7980 Mar 31 19:39	0°II	
	7977 Aug 23 16:58	$0^{\circ}\Omega$		evening max el	7980 Apr 06 19:33	6° <b>Ⅱ</b> 10′21	47°00'40
	7977 Sep 17 22:59	0° m)			7980 May 03 23:14	0.20	4.0
asc. node	7977 Oct 06 02:19 7977 Oct 12 21:13	21° <b>™</b> 47'50 0° <b>≏</b>		greatest brilliancy retrograde	7980 May 17 03:03 7980 May 27 08:52	7° <b>©</b> 08'37 9° <b>©</b> 06'52	-4.9m
	7977 Nov 06 12:52	0° <b>M</b>		evening set	7980 Jun 12 13:34	3°958'08	
	7977 Nov 30 23:09	0°⊀		inferior conj	7980 Jun 17 04:48		5°56'46
morning set	7977 Dec 11 14:42	13° <b>₹</b> 08′28		minimum elong	7980 Jun 17 15:32	0° <b>©</b> 53'29	5°54'01
	7977 Dec 25 05:35	0°ප ••••		min. Earth dist.	7980 Jun 17 04:04		0.27405 AU
max. Earth dist.	7978 Jan 15 16:39	26° <b>~3</b> 8'39	1.72270 AU	morning rise	7980 Jun 19 02:25 7980 Jun 22 17:52	30°RⅡ 27°Ⅱ52'20	
superior conj	7978 Jan 18 10:53	0°≈04'42	0°17'41	direct	7980 Jul	23° <b>II</b> 19'24	
minimum elong	7978 Jan 18 15:04	0°≈17'41	0°17'37	desc. node	7980 Jul 12 15:20	23° <b>Ⅱ</b> 44'07	
	7978 Jan 18 09:23	0° <b>≈</b>		greatest brilliancy	7980 Jul 17 19:01	25° <b>Ⅱ</b> 05'54	-4.8m
desc. node	7978 Jan 25 19:06	9°≈13'11			7980 Jul 27 21:42	0°95	4.000.010.1
evening rise	7978 Feb 11 11:00 7978 Feb 26 21:32	0° <b>∺</b> 19° <b>∺</b> 17'59		morning max el	7980 Aug 26 10:09 7980 Sep 01 07:11	24° <b>©</b> 12'30 0° <b>Ω</b>	46°02'01
evening rise	7978 Mar 07 10:45	0° <b>Υ</b>			7980 Sep 29 12:50	0°m/	
	7978 Mar 31 09:43	0°8			7980 Oct 25 22:35	0∘ <mark>ರ</mark>	
	7978 Apr 24 10:04	$\Pi^{\circ}0$		asc. node	7980 Nov 02 14:28	8° <b>£</b> 55'45	
asc. node	7978 May 18 18:06	0°909'40			7980 Nov 20 09:57	0°M	
	7978 May 18 14:58 7978 Jun 12 04:15	$0 {\circ} {f V}$			7980 Dec 15 07:04 7981 Jan 08 18:48	0°る	
	7978 Jul 12 04.13	0° <b>m</b>			7981 Jan 08 18.48 7981 Feb 02 00:24	0°≈	
	7978 Aug 02 12:27	0∘ <b>⊽</b>		morning set	7981 Feb 21 07:25	24°≈02'35	
evening max el	7978 Aug 30 14:05	29° <b>≏</b> 24'38	45°44'45	desc. node	7981 Feb 22 07:15	25° <b>≈</b> 17'02	
	7978 Aug 31 04:45	0°M			7981 Feb 26 01:49	0° <b>∀</b>	
desc. node	7978 Sep 07 12:34	6°M49'59	4.7		7981 Mar 22 00:14	0°Υ 12° <b>Υ</b> 49!10	1.71007 437
greatest brilliancy retrograde	7978 Oct 08 10:10 7978 Oct 18 12:55	27°M43'53 29°M34'56	-4./m	max. Earth dist.	7981 Apr 01 23:55	13~¥.48'19	1.71236 AU
evening set	7978 Oct 18 12.33 7978 Nov 05 17:39	29 IIL34 36 23°M22'11		superior conj	7981 Apr 03 00:18	15° <b>Ƴ</b> 04'58	-1°18'19
5		110 11			p. 05 00.10		

minimum elong	7981 Apr 02 14:34	14° <b>Y</b> 34'23	1°18'08	greatest brilliancy	7983 Sep 28 22:31	5° m 25'46	-4.7m
	7981 Apr 14 20:57	0°8		· ·	7983 Nov 03 05:36	0∘ <b>⊽</b>	
	7981 May 08 17:47	$\Pi^{\circ}0$		morning max el	7983 Nov 06 19:11	3° <b>₽</b> 21'47	45°41'37
evening rise	7981 May 13 15:07	6° <b>Ⅱ</b> 08'04		asc. node	7983 Dec 01 02:26	28° <b>≏</b> 21'06	
	7981 Jun 01 16:53	0°€			7983 Dec 02 14:47	0° <b>M</b> .	
asc. node	7981 Jun 15 05:52	16° <b>©</b> 51'48			7983 Dec 29 03:26	0° <b>∡</b>	
	7981 Jun 25 20:12	$0^{\circ}\Omega$			7984 Jan 23 10:51	8°0	
	7981 Jul 20 05:33	O° Mp			7984 Feb 17 02:50	0° <b>≈</b>	
	7981 Aug 13 23:23	0∘ <b>ত</b>			7984 Mar 12 09:57	0° <b>∀</b>	
	7981 Sep 08 06:17	$0^{\circ}$ M,		desc. node	7984 Mar 21 19:25	11° <b>∺</b> 41′02	
	7981 Oct 04 11:25	0° <b>∡</b> ¹			7984 Apr 05 11:36	$0^{\circ}\mathbf{\Upsilon}$	
desc. node	7981 Oct 04 23:59	0° <b>∡</b> ³34'58			7984 Apr 29 10:10	$9^{\circ}$ 8	
	7981 Nov 01 13:17	0°ಕ		morning set	7984 May 08 13:47	11° <b>8</b> 29'09	
evening max el	7981 Nov 10 01:42	8° <b>る</b> 23'05	45°50'11		7984 May 23 07:52	$\Pi^{\circ}0$	
	7981 Dec 06 03:24	0° <b>≈</b>			7984 Jun 16 06:46	$0$ $\circ$ $\odot$	
greatest brilliancy	7981 Dec 19 10:29	6° <b>≈</b> 44'42	-4.8m				
retrograde	7981 Dec 28 22:18	8° <b>≈</b> 23'18		superior conj	7984 Jun 17 11:07	1° <b>5</b> 28'33	
evening set	7982 Jan 12 20:30	4°≈05'15		minimum elong	7984 Jun 17 22:08	2° <b>©</b> 02'58	0°56'17
inferior conj	7982 Jan 18 20:47	0° <b>≈</b> 31'32		max. Earth dist.	7984 Jun 20 19:44	5° <b>©</b> 40'18	1.71863 AU
minimum elong	7982 Jan 19 00:48	0° <b>≈</b> 25′18	1°46'08		7984 Jul 10 08:20	$0$ $^{\circ}\Omega$	
min. Earth dist.	7982 Jan 19 12:19	0° <b>≈</b> 07'28	0.27587 AU	asc. node	7984 Jul 12 17:51	2° <b>Ω</b> 58'44	
	7982 Jan 19 17:09	30°Rる		evening rise	7984 Jul 26 14:08	20° <b>Ω</b> 09'02	
morning rise	7982 Jan 25 04:24	26° <b>る</b> 46'20			7984 Aug 03 13:14	0° <b>т</b> р	
asc. node	7982 Jan 25 23:57	26° <b>る</b> 20'19			7984 Aug 27 21:54	0。 <b>ত</b>	
direct	7982 Feb 08 21:16	22° <b>る</b> 30'55			7984 Sep 21 11:25	0°M₊	
greatest brilliancy	7982 Feb 19 18:01	24° <b>る</b> 42'58	-4.9m		7984 Oct 16 07:53	0° <b>∡</b> ″	
	7982 Mar 01 20:05	0° <b>≈</b>		desc. node	7984 Nov 01 11:30	19° <b>∡</b> 14'41	
morning max el	7982 Mar 31 08:01	25° <b>≈</b> 20'03	46°53'46		7984 Nov 10 14:08	0°ಕ	
	7982 Apr 04 21:24	0° <b>∀</b>			7984 Dec 06 10:34	0° <b>≈</b>	
	7982 May 02 04:44	0° <b>Υ</b>			7985 Jan 02 08:09	0° <b>∀</b>	
desc. node	7982 May 17 17:46	18° <b>Y</b> 03'43		evening max el	7985 Jan 21 08:50	19° <b>)(</b> 47'41	46°35'36
	7982 May 27 19:39	0° <b>8</b>			7985 Feb 01 02:25	0°Υ	
	7982 Jun 21 18:12	0° <b>Ⅱ</b>		asc. node	7985 Feb 22 11:34	16° <b>Y</b> 20'57	
	7982 Jul 16 10:00	0° <b>©</b>		greatest brilliancy	7985 Mar 02 16:57	20°Υ14'26	-4.9m
	7982 Aug 09 23:21	0° <b>N</b>		retrograde	7985 Mar 12 13:22	22°Υ04'52	
	7982 Sep 03 11:33	0° <b>m</b>		evening set	7985 Mar 29 03:17	16° <b>Y</b> 44'14	0010122
asc. node	7982 Sep 07 16:04	5° Mp 08'00		inferior conj	7985 Apr 02 04:38	14° <b>Υ</b> 17'44	
	7982 Sep 27 22:21	0° <b>⊡</b>		minimum elong	7985 Apr 01 19:22	14° <b>Υ</b> 31'56	8°09'08
morning set	7982 Oct 01 18:53	4° <b>£</b> 44'25		min. Earth dist.	7985 Apr 01 22:09	14° <b>Υ</b> 27'40	0.27008 AU
Fault die	7982 Oct 22 07:26	0° <b>ጤ</b> 18° <b>ጤ</b> 26'05	1 72224 ATT	morning rise direct	7985 Apr 05 11:28	12°Υ18'13 6°Υ30'45	
max. Earth dist.	7982 Nov 06 06:12	18 1162003	1.73234 AU		7985 Apr 22 18:45	8°Υ15'55	4.0
aumariar aani	7092 Nav. 07, 09:06	19° <b>M</b> .46'00	1°25'08	greatest brilliancy	7985 May 02 09:34 7985 Jun 02 16:44	0.8 8.11222	-4.9m
superior conj	7982 Nov 07 08:06		1°25'14	mamina may al		9° <b>8</b> 07'23	46°48'50
minimum elong	7982 Nov 07 10:38 7982 Nov 15 15:09	19° <b>™</b> 53'48 0° <b>₹</b>	1 23 14	morning max el desc. node	7985 Jun 12 03:50 7985 Jun 14 05:41	11° <b>8</b> 12'47	40 46 30
	7982 Nov 13 13:09 7982 Dec 09 22:13	0° <b>ਠ</b>		desc. Hode	7985 Jul 01 23:47	0° <b>Ⅱ</b>	
evening rise	7982 Dec 14 10:45	5° <b>云</b> 35'05			7985 Jul 28 13:47	0°©	
desc. node	7982 Dec 14 10:43 7982 Dec 28 09:07	22° <b>る</b> 47'42			7985 Aug 23 05:35	0°Ω	
dese. Hode	7983 Jan 03 05:04	0°≈			7985 Sep 17 10:39	0° m/y	
	7983 Jan 27 11:35	0° <b>)</b> €		asc. node	7985 Oct 05 04:13	21° Mp 19'47	
	7983 Jan 27 11:53 7983 Feb 20 17:58	0° <b>Υ</b>		use. Hode	7985 Oct 03 04:13 7985 Oct 12 08:17	ე∘ <u>ი</u>	
	7983 Mar 17 02:01	0°8			7985 Nov 05 23:35	0° <b>™</b>	
	7983 Apr 10 16:01	0°II			7985 Nov 30 09:42	0° <b>⊼</b> ¹	
asc. node	7983 Apr 20 08:23	11° <b>∏</b> 39'15		morning set	7985 Dec 09 07:14	10° <b>₹</b> 58'43	
use. Houe	7983 May 05 19:54	0°9		morning sec	7985 Dec 24 16:08	0°る	
	7983 Jun 01 05:50	$0^{\circ}\Omega$		max. Earth dist.	7986 Jan 13 08:52	24° <b>る</b> 26'58	1.72311 AU
evening max el	7983 Jun 18 13:11	18° <b>Ω</b> 08'02	46°26'22				
	7983 Jul 01 02:41	0°m		superior conj	7986 Jan 16 01:02	27° <b>ප්</b> 46'28	0°21'13
greatest brilliancy	7983 Jul 27 09:13	17° <b>m</b> ) 46'24	-4.8m	minimum elong	7986 Jan 16 05:58	28° <b>る</b> 01'49	0°21'06
retrograde	7983 Aug 07 10:46	20° mp 01'42	<del></del>	••••	7986 Jan 17 19:58	0°≈	
desc. node	7983 Aug 10 03:04	19° <b>m</b> 53'05		desc. node	7986 Jan 24 21:09	8°≈46'35	
evening set	7983 Aug 22 18:42	15° m 28'08			7986 Feb 10 21:40	0° <b>∀</b>	
min. Earth dist.	7983 Aug 28 04:19	12° <b>m</b> 14'03	0.28519 AU	evening rise	7986 Feb 24 10:17	16° <b>)</b> 54'13	
inferior conj	7983 Aug 28 20:40	11° mp 48'28		<i>5</i> -	7986 Mar 06 21:31	0°Υ	
minimum elong	7983 Aug 28 12:02	12° mp 01'59			7986 Mar 30 20:36	0°8	
morning rise	7983 Sep 03 05:49	8° m 33'02			7986 Apr 23 21:10	0°II	
direct	7983 Sep 19 03:45	3° m/42'37		asc. node	7986 May 17 20:06	29° <b>Ⅱ</b> 40′35	
	•	•			•		

	7006 M 10 02 24	000			7000 D 14 10 10	00.7	
	7986 May 18 02:24	0°©			7988 Dec 14 18:19	0°⊀ <sup>7</sup>	
	7986 Jun 11 16:15	$0$ $^{\circ}\Omega$			7989 Jan 08 05:45	0°る	
	7986 Jul 06 20:38	0° mp			7989 Feb 01 11:13	0° <b>≈</b>	
	7986 Aug 02 03:51	0∘ <b>⊽</b>		morning set	7989 Feb 18 19:33	21° <b>≈</b> 36′57	
evening max el	7986 Aug 28 06:39	27° <b>≏</b> 16'09	45°45'33	desc. node	7989 Feb 21 09:07	24° <b>≈</b> 49'11	
	7986 Aug 31 03:08	0°M₊			7989 Feb 25 12:35	0° <b>∀</b>	
desc. node	7986 Sep 06 14:33	5° <b>™</b> 56′23			7989 Mar 21 11:01	$0$ ° $\Upsilon$	
greatest brilliancy	7986 Oct 06 00:35	25° <b>™</b> 33'45	-4.7m	max. Earth dist.	7989 Mar 30 02:54	10° <b>Ƴ</b> 52'55	1.71252 AU
retrograde	7986 Oct 16 05:12	27°M26'00					
evening set	7986 Nov 03 10:14	21°M12'22		superior conj	7989 Mar 31 11:16	12° <b>Y</b> 34'38	-1°16'27
inferior conj	7986 Nov 06 16:30	19° <b>™</b> 10'50	-8°34'17	minimum elong	7989 Mar 31 00:57	12° <b>Y</b> ′02'12	1°16'13
minimum elong	7986 Nov 06 18:56	19° <b>™</b> 07'01	8°34'05		7989 Apr 14 07:46	0° <b>႘</b>	
min. Earth dist.	7986 Nov 06 23:19	19°M00'08	0.29102 AU		7989 May 08 04:39	$\Pi^{\circ}0$	
morning rise	7986 Nov 10 03:36	17°M02'00		evening rise	7989 May 11 01:47	3° <b>П</b> 36'53	
direct	7986 Nov 28 05:56	10°M52'12		Z .	7989 Jun 01 03:47	0° <b>©</b>	
greatest brilliancy	7986 Dec 08 23:14	12°M58'27	-4.8m	asc. node	7989 Jun 14 07:57	16°524'09	
asc. node	7986 Dec 28 14:17	24°M51'55	.,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		7989 Jun 25 07:13	$0^{\circ}\Omega$	
use. noue	7987 Jan 03 18:44	0° <b>⊼</b>			7989 Jul 19 16:49	0° m)	
morning max el	7987 Jan 16 21:00	12° <b>×</b> 13'07	46°10'06		7989 Aug 13 11:10	0° <b>ي</b> 0°	
morning max ci	7987 Feb 02 22:49	0°る	40 10 00		7989 Sep 07 19:03	0°M	
		0°≈		desc. node	•	29°M58'58	
	7987 Mar 01 11:15			desc. node	7989 Oct 04 01:52		
	7987 Mar 26 16:39	0° <b>)</b> (47/20			7989 Oct 04 02:15	0° <b>⊼</b>	
desc. node	7987 Apr 19 07:33	28° <b>)</b> 47'28			7989 Nov 01 09:23	0°る	45040104
	7987 Apr 20 07:10	0° <b>Υ</b>		evening max el	7989 Nov 07 15:14	6° <b>ප</b> 06'04	45°49'01
	7987 May 14 13:59	0°8			7989 Dec 07 10:03	0° <b>≈</b>	
	7987 Jun 07 17:27	$\Pi$ $^{\circ}0$		greatest brilliancy	7989 Dec 17 01:12	4° <b>≈</b> 28′05	-4.8m
	7987 Jul 01 20:32	0		retrograde	7989 Dec 26 11:35	6° <b>≈</b> 05'53	
morning set	7987 Jul 21 23:05	24° <b>©</b> 57'08		evening set	7990 Jan 10 12:25	1° <b>≈</b> 44'47	
	7987 Jul 26 00:52	$0^{\circ}\Omega$			7990 Jan 13 13:30	30°Ŗる	
asc. node	7987 Aug 10 05:51	18° <b>Ω</b> 49'42		inferior conj	7990 Jan 16 11:06	28° <b>る</b> 13'30	-2°09'19
	7987 Aug 19 06:44	0° Mp		minimum elong	7990 Jan 16 15:54	28° <b>る</b> 06'05	2°07'43
				min. Earth dist.	7990 Jan 17 03:53	27° <b>る</b> 47'31	0.27641 AU
superior conj	7987 Aug 28 21:37	11° <b>m</b> 52'59	0°43'05	morning rise	7990 Jan 22 18:32	24° <b>♂</b> 28'15	
minimum elong	7987 Aug 28 13:19	11° <b>m</b> 27'23	0°42'41	asc. node	7990 Jan 25 01:54	23° <b>る</b> 17'09	
max. Earth dist.	7987 Aug 30 12:14	13° m 52'14	1.73070 AU	direct	7990 Feb 06 11:30	20° <b>ට</b> 11'47	
	7987 Sep 12 13:54	0∘ <b>⊽</b>		greatest brilliancy	7990 Feb 17 10:31	22° <b>る</b> 25'37	-4.9m
evening rise	7987 Oct 04 11:39	26° <b>£</b> 59'19		· ·	7990 Mar 02 21:16	0° <b>≈</b>	
, and the second	7987 Oct 06 22:24	0°M		morning max el	7990 Mar 28 21:48	22° <b>≈</b> 57'40	46°52'51
	7987 Oct 31 08:53	0° <b>⊼</b>			7990 Apr 04 17:46	0° <b>)</b> €	
	7987 Nov 24 22:11	ි ව°0			7990 May 01 20:13	0°Υ	
desc. node	7987 Nov 29 23:16	6° <b>ろ</b> 08'39		desc. node	7990 May 16 19:50	17° <b>Y</b> 28'13	
dese. Hode	7987 Dec 19 14:46	0°≈		dese. Hode	7990 May 27 09:09	0°8	
	7988 Jan 13 11:10	0 <b>∞</b>			7990 May 27 09:09 7990 Jun 21 06:37	0°U	
	7988 Feb 07 13:53	0° <b>Υ</b>			7990 Jul 15 21:43	0°©	
	7988 Mar 04 07:18	0° <b>8</b>			7990 Jul 13 21.43 7990 Aug 09 10:35	0°Ω 0 €3	
1					· ·		
asc. node	7988 Mar 21 22:54	19° <b>8</b> 41'14			7990 Sep 02 22:27	0° Mp	
	7988 Mar 31 16:17	0°II	45000152	asc. node	7990 Sep 06 17:58	4° <b>m</b> 40'33	
evening max el	7988 Apr 04 10:09	3° <b>Ⅱ</b> 49'44	47°00'53		7990 Sep 27 09:02	0° <b>⊽</b>	
	7988 May 05 03:35	0.20		morning set	7990 Sep 29 12:16	2° <b>△</b> 37'26	
greatest brilliancy	7988 May 14 18:25	4°5548'38	-4.9m		7990 Oct 21 18:02	0° <b>M</b>	
retrograde	7988 May 24 22:52	6° <b>©</b> 45'21		max. Earth dist.	7990 Nov 04 01:26	16° <b>™</b> 24'42	1.73254 AU
evening set	7988 Jun 10 06:47	1° <b>©</b> 32'37					
	7988 Jun 12 20:42	30°Ŗ <b>Ⅱ</b>		superior conj	7990 Nov 05 01:57	17° <b>M</b> 40'20	1°25'31
inferior conj	7988 Jun 14 18:33	28° <b>Ⅱ</b> 49'19	6°14'20	minimum elong	7990 Nov 05 03:47	17° <b>M</b> 45'56	1°25'36
minimum elong	7988 Jun 15 05:26	28° <b>Ⅱ</b> 32'30	6°11'38		7990 Nov 15 01:46	0° <b>∡</b> ¹	
min. Earth dist.	7988 Jun 14 18:08	28° <b>Ⅱ</b> 49'57	0.27379 AU		7990 Dec 09 08:58	0°る	
morning rise	7988 Jun 20 04:25	25° <b>∏</b> 35'45		evening rise	7990 Dec 12 02:57	3° <b>る</b> 23'37	
direct	7988 Jul 05 14:17	20° <b>Ⅱ</b> 59′16		desc. node	7990 Dec 27 11:10	22° <b>る</b> 20'20	
desc. node	7988 Jul 11 17:20	21° <b>Ⅱ</b> 42'21			7991 Jan 02 16:02	0° <b>≈</b>	
greatest brilliancy	7988 Jul 15 07:56	22° <b>Ⅱ</b> 45′01	-4.8m		7991 Jan 26 22:50	0° <b>)</b> €	
•	7988 Jul 29 02:21	0ಂತಾ			7991 Feb 20 05:35	$0^{\circ}$ Y	
morning max el	7988 Aug 23 23:50	21° <b>©</b> 54'38	46°03'22		7991 Mar 16 14:08	0° <b>႘</b>	
-	7988 Sep 01 03:20	$0^{\circ}\Omega$			7991 Apr 10 04:56	0°II	
	7988 Sep 29 03:45	0° m/		asc. node	7991 Apr 19 10:24	11° <b>Ⅱ</b> 05'15	
	7988 Oct 25 11:25	0∘ <b>ರ</b>			7991 May 05 10:17	0.20 11 Zee 16	
asc. node	7988 Nov 01 16:24	ა <u>—</u> 8° <b>ჲ</b> 24'58			7991 May 31 23:29	$0^{\circ}\Omega$	
	7988 Nov 19 21:45	0° <b>™</b>		evening max el	7991 Jun 16 03:41	15° <b>Ω</b> 49'50	46°28'08
	.,001.07 1, 21.43	~ IIV		5 , J 111uA OI		10 00 17 50	.0 2000

4 41 70	7991 Jul 01 08:21	0° m/y	4.0	superior conj	7994 Jan 13 15:39	25° <b>る</b> 28'44	
greatest brilliancy retrograde	7991 Jul 25 01:08 7991 Aug 05 02:54	15° mp 32'55 17° mp 48'51	-4.8m	minimum elong	7994 Jan 13 21:16 7994 Jan 17 06:53	25°₹46'14 0°≈	0°24'30
desc. node	7991 Aug 09 05:01	17° Mp 28'36		desc. node	7994 Jan 23 23:03	0 ∞ 8°≈18'26	
evening set	7991 Aug 20 08:46	13° My 17'22		dese. Hode	7994 Feb 10 08:41	0° <b>∺</b>	
min. Earth dist.	7991 Aug 25 20:07		0.28471 AU	evening rise	7994 Feb 21 23:11	14° <b>)</b> 29'48	
inferior conj	7991 Aug 26 12:18	9° <b>m</b> 36'01		C	7994 Mar 06 08:41	0° <b>Υ</b>	
minimum elong	7991 Aug 26 04:04	9° <b>™</b> 48'52	4°02'18		7994 Mar 30 07:57	$0^{\circ}$ 8	
morning rise	7991 Aug 31 23:50	6° Mp 17′34			7994 Apr 23 08:47	$\Pi^{\circ}0$	
direct	7991 Sep 16 18:29	1° <b>m</b> 30'39		asc. node	7994 May 16 22:08	29° <b>Ⅱ</b> 10′03	
greatest brilliancy	7991 Sep 26 13:55	3° Mp 14'27	-4.7m		7994 May 17 14:22	0ಂಣ	
	7991 Nov 03 05:02	0∘ <b>⊽</b>			7994 Jun 11 04:49	$0$ $^{\circ}\Omega$	
morning max el	7991 Nov 04 10:44	1° <b>Ω</b> 10'39	45°41'35		7994 Jul 06 10:20	0° Mp	
asc. node	7991 Nov 30 04:33 7991 Dec 02 06:37	27° <b>£</b> 43'09 0° <b>IL</b>		avanina may al	7994 Aug 01 20:04	0° <b>ჲ</b> 25° <b>ჲ</b> 04'58	45°46'20
	7991 Dec 28 16:48	0° <b>⊼</b> 1		evening max el	7994 Aug 25 22:47 7994 Aug 31 03:12	25 <b>=</b> 04 58	43 40 20
	7992 Jan 22 23:08	%		desc. node	7994 Sep 05 16:30	5°M 00'02	
	7992 Feb 16 14:35	0° <b>≈</b>		greatest brilliancy	7994 Oct 03 15:38	23°M22'45	-4.7m
	7992 Mar 11 21:23	0° <b>∀</b>		retrograde	7994 Oct 13 20:57	25°M15'28	,
desc. node	7992 Mar 20 21:22	11° <b>)(</b> 11'44		evening set	7994 Nov 01 02:29	19° <b>M</b> 01'40	
	7992 Apr 04 22:51	$0^{\circ}\Upsilon$		inferior conj	7994 Nov 04 08:38	17° <b>M</b> 00'04	-8°36'10
	7992 Apr 28 21:17	$9^{\circ}$ 8		minimum elong	7994 Nov 04 10:19	16°M57'26	8°36'02
morning set	7992 May 06 00:42	8° <b>8</b> 57'57		min. Earth dist.	7994 Nov 04 14:12	16°M51'19	0.29117 AU
	7992 May 22 18:52	$\Pi^{\circ}0$		morning rise	7994 Nov 07 18:07	14°M53'27	
				direct	7994 Nov 25 22:31	8° <b>ጤ</b> 41'39	
superior conj	7992 Jun 14 23:43	29° <b>Ⅱ</b> 03'41		greatest brilliancy	7994 Dec 06 13:48	10°M45'49	-4.8m
minimum elong	7992 Jun 15 10:55	29° <b>∏</b> 38'45	0°59'09	asc. node	7994 Dec 27 16:10	23°M47'27	
max. Earth dist.	7992 Jun 15 17:44 7992 Jun 18 05:56	3° <b>©</b> 08'06 0°©	1.71821 AU	morning max el	7995 Jan 03 22:52 7995 Jan 14 12:02	0° <b>҂</b> 9° <b>҂</b> 757'39	46°08'34
max. Earm dist.	7992 Jul 18 03:36 7992 Jul 09 19:17	0°Ω	1./1821 AU	morning max er	7995 Feb 02 16:02	9 <b>x</b> ·3/39	40 08 34
asc. node	7992 Jul 11 19:48	2° <b>Ω</b> 30'46			7995 Mar 01 01:27	0°≈	
evening rise	7992 Jul 24 05:10	17° <b>Ω</b> 53'07			7995 Mar 26 05:31	0° <b>)</b> €	
	7992 Aug 03 00:13	0° m)		desc. node	7995 Apr 18 09:38	28° <b>¥</b> 16′25	
	7992 Aug 27 08:59	0∘ <b>⊽</b>			7995 Apr 19 19:20	$0^{\circ}$ $\Upsilon$	
	7992 Sep 20 22:47	$0^{\circ}$ M.			7995 May 14 01:44	$0^{\circ}$ 8	
	7992 Oct 15 19:45	0°⊀			7995 Jun 07 04:55	$\Pi$ °0	
desc. node	7992 Oct 31 13:35	18° <b>∡</b> ⁴44'10			7995 Jul 01 07:46	$0$ $\circ$	
	7992 Nov 10 02:56	0°る		morning set	7995 Jul 19 14:05	22° <b>©</b> 40'35	
	7992 Dec 06 01:04	0° <b>≈</b>			7995 Jul 25 11:53	0° <b>U</b>	
	7993 Jan 02 02:14	0° <b>∺</b>	46922154	asc. node	7995 Aug 09 07:45	18° <b>Ω</b> 21'39	
evening max el	7993 Jan 18 23:26 7993 Feb 01 08:29	17° <b>)</b> €27'42 0° <b>°</b>	40°33'34		7995 Aug 18 17:38	0° <b>m</b> )	
asc. node	7993 Feb 21 13:28	14° <b>Υ</b> 46'29		superior conj	7995 Aug 26 14:00	9° <b>m</b> 41'45	0°40'08
greatest brilliancy	7993 Feb 28 04:52	17° <b>Υ</b> 46'47	-4.9m	minimum elong	7995 Aug 26 06:06	9° m) 17'22	0°39'44
retrograde	7993 Mar 10 02:43	19° <b>Y</b> 37'59		max. Earth dist.	7995 Aug 28 08:14	11° <b>m</b> 52'10	1.73040 AU
evening set	7993 Mar 26 11:28	14° <b>Y</b> 23'54			7995 Sep 12 00:47	0∘ <b>⊽</b>	
inferior conj	7993 Mar 30 17:18	11° <b>Y</b> 50'51	7°58'48	evening rise	7995 Oct 02 05:11	24° <b>≏</b> 51'55	
minimum elong	7993 Mar 30 07:33	12° <b>Y</b> 05'48	7°57'13		7995 Oct 06 09:21	$0^{\circ}$ M	
min. Earth dist.	7993 Mar 30 10:29	12° <b>Y</b> 01'19	0.27003 AU		7995 Oct 30 20:01	0° <b>∡</b>	
morning rise	7993 Apr 03 03:41	9° <b>Υ</b> 46'15			7995 Nov 24 09:37	0°る	
direct	7993 Apr 20 08:06	4°Υ03'55	4.0	desc. node	7995 Nov 29 01:17	5° <b>る</b> 39'46	
greatest brilliancy	7993 Apr 29 22:14 7993 Jun 02 19:56	5° <b>Y</b> 48'55 0° <b>と</b>	-4.9m		7995 Dec 19 02:40 7996 Jan 12 23:47	0° <b>€</b>	
morning max el	7993 Jun 02 19:30 7993 Jun 09 18:12	6° <b>8</b> 45'30	46°49'56		7996 Feb 07 03:40	0°Υ	
desc. node	7993 Jun 13 07:43	10° <b>8</b> 21'49	40 47 30		7996 Mar 03 23:20	%8 0°8	
acce. noue	7993 Jul 01 17:23	0°II		asc. node	7996 Mar 21 00:54	18° <b>8</b> 55'40	
	7993 Jul 28 04:15	0∘ <b>©</b>			7996 Mar 31 14:01	$\Pi^{\circ}$	
	7993 Aug 22 18:31	$0^{\circ}\Omega$		evening max el	7996 Apr 01 23:34	1° <b>Ⅲ</b> 25′10	47°00'49
	7993 Sep 16 22:40	0° <b>m</b>			7996 May 06 21:43	0°9	
asc. node	7993 Oct 04 06:13	20° <b>m</b> 50'48		greatest brilliancy	7996 May 12 09:53	2° <b>©</b> 27'08	-4.9m
	7993 Oct 11 19:44	0∘ <b>⊽</b>		retrograde	7996 May 22 12:09	4° <b>©</b> 22'02	
	7993 Nov 05 10:41	0°M			7996 Jun 06 08:58	30°RⅡ	
	7993 Nov 29 20:37	0°×7 0°×740110		evening set	7996 Jun 07 23:50	29° <b>Ⅱ</b> 05'01	(021112
morning set	7993 Dec 07 00:10	8°♂49'10 0°る		inferior conj	7996 Jun 12 08:08 7996 Jun 12 19:04	26°Ⅱ26'44 26°Ⅱ09'48	6°31'13 6°28'37
max. Earth dist.	7993 Dec 24 03:00 7994 Jan 11 00:22		1.72352 AU	minimum elong min. Earth dist.	7996 Jun 12 19:04 7996 Jun 12 08:21	26°Щ09'48 26°Щ26'24	0.27360 AU
max. Darui uist.	1777 Jan 11 00.22	22 <b>U</b> 12 00	1.12332 AU	morning rise	7996 Jun 17 14:34	28 <b>H</b> 26 24 23° <b>H</b> 17'36	0.27300 AU
					,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	20 21/00	

direct	7996 Jul 03 03:13	18° <b>Ⅱ</b> 36'57		desc. node	7998 Dec 26 13:01	21° <b>る</b> 52'12	
desc. node	7996 Jul 10 19:16	19° <b>∏</b> 43'24			7999 Jan 02 03:03	0° <b>≈</b>	
greatest brilliancy	7996 Jul 12 21:23	20° <b>Ⅱ</b> 22'46	-4.8m		7999 Jan 26 10:08	0° <b>∀</b>	
	7996 Jul 30 00:03	0			7999 Feb 19 17:14	<b>0°</b> ℃	
morning max el	7996 Aug 21 13:00	19° <b>©</b> 33'47	46°04'50		7999 Mar 16 02:16	0°8	
	7996 Aug 31 23:25	$0 {\circ} \Omega$			7999 Apr 09 17:50	$\Pi$ $^{\circ}0$	
	7996 Sep 28 18:54	0° <b>m</b> ∕		asc. node	7999 Apr 18 12:29	10° <b>Ⅲ</b> 31'42	
	7996 Oct 25 00:32	0∘ <b>⊽</b>			7999 May 05 00:39	$0$ $\circ$ $\odot$	
asc. node	7996 Oct 31 18:30	7° <b>≏</b> 53'42			7999 May 31 17:19	$0^{\circ}\Omega$	
	7996 Nov 19 09:50	$0^{\circ}$ M.		evening max el	7999 Jun 13 19:02	13° <b>Ω</b> 34'23	46°29'53
	7996 Dec 14 05:51	0° <b>∡</b> ¹			7999 Jul 01 15:59	0° <b>m</b> )	
	7997 Jan 07 16:59	8°0		greatest brilliancy	7999 Jul 22 16:26	13° <b>m</b> 19'14	-4.8m
	7997 Jan 31 22:17	0° <b>≈</b>		retrograde	7999 Aug 02 19:19	15° Mp 36'17	
morning set	7997 Feb 16 08:04	19° <b>≈</b> 11'45		desc. node	7999 Aug 08 06:58	14° <b>m</b> 59'35	
desc. node	7997 Feb 20 11:07	24° <b>≈</b> 21'03		evening set	7999 Aug 17 22:59	11° <b>m</b> 06'39	
	7997 Feb 24 23:34	0° <b>∀</b>		min. Earth dist.	7999 Aug 23 11:36	7° <b>m</b> 49'02	0.28429 AU
	7997 Mar 20 21:59	0°Υ		inferior conj	7999 Aug 24 03:52	7° m) 23'42	
max. Earth dist.	7997 Mar 27 08:04	8° <b>Y</b> 03'59	1.71268 AU	minimum elong	7999 Aug 23 20:06	7° m) 35'47	
man. Darm dist.	7,5,7 1.141 27 00.01	0 , 05 57	1.,1200110	morning rise	7999 Aug 29 17:45	4° m) 02'25	3 .502
superior conj	7997 Mar 28 22:37	10° <b>Y</b> ′05′04	-1°14'27	morning rise	7999 Sep 08 12:50	30°RΩ	
minimum elong	7997 Mar 28 11:48	9° <b>Υ</b> 31'07		direct	7999 Sep 14 09:44	29° <b>Ω</b> 18'50	
minimum ciong	7997 Apr 13 18:45	0°8	1 1411	uncet	7999 Sep 20 11:23	0° m)	
	•	0°H		arantaat brillianav	1		4.7
avanina riaa	7997 May 07 15:39 7997 May 08 12:44	0 П 1°П06'09		greatest brilliancy	7999 Sep 24 04:55	1°My 02'51 29°My 01'19	-4.7m 45°41'28
evening rise	•			morning max el	7999 Nov 02 02:57	0° <b>⊽</b>	45-41-28
1	7997 May 31 14:53	0°9		1	7999 Nov 03 03:25		
asc. node	7997 Jun 13 09:51	15° <b>©</b> 55'18		asc. node	7999 Nov 29 06:27	27° <b>Ω</b> 05'04	
	7997 Jun 24 18:29	$\Omega^{\circ}\Omega$			7999 Dec 01 22:08	0° <b>™</b>	
	7997 Jul 19 04:24	0° <b>m</b> )			7999 Dec 28 05:59	0° <b>∡</b> 7	
	7997 Aug 12 23:18	0∘ <b>⊽</b>			8000 Jan 22 11:15	0°ප	
	7997 Sep 07 08:13	0° <b>M</b>			8000 Feb 16 02:10	0° <b>≈</b>	
desc. node	7997 Oct 03 03:59	29°M22'28			8000 Mar 11 08:40	0° <b>∀</b>	
	7997 Oct 03 17:34	0° <b>∡</b>		desc. node	8000 Mar 19 23:21	10° <b>)</b> 43′06	
	7997 Nov 01 06:30	0°る			8000 Apr 04 09:56	$0^{\circ}$ Y	
evening max el	7997 Nov 05 04:37	3°₹48'04	45°48'03		8000 Apr 28 08:12	$9^{\circ}$ 8	
	7997 Dec 09 07:48	0° <b>≈</b>		morning set	8000 May 03 11:41	6° <b>8</b> 27'34	
greatest brilliancy	7997 Dec 14 15:13	2°≈10'04	-4.8m		00000 1 6 00 05 10	ωπ	
	7777 Bee 11 13.13	2 7011004	-4.0111		8000 May 22 05:40	$\Pi$ $^{\circ}0$	
retrograde	7997 Dec 24 01:18	3° <b>≈</b> 47'53	-4.0111		8000 May 22 05:40	од	
retrograde			-4.0111	superior conj	8000 May 22 05:40 8000 Jun 12 12:30	0°П 26°П40'06	-1°02'08
retrograde evening set	7997 Dec 24 01:18	3° <b>≈</b> 47'53	-4.6III	superior conj minimum elong	·		
-	7997 Dec 24 01:18 7998 Jan 07 00:41	3°≈47'53 30°Rる		1 3	8000 Jun 12 12:30	26° <b>∏</b> 40'06	
evening set	7997 Dec 24 01:18 7998 Jan 07 00:41 7998 Jan 08 04:24	3°≈47'53 30°Rる 29°る23'15		1 3	8000 Jun 12 12:30 8000 Jun 12 23:50	26° <b>Ⅱ</b> 40'06 27° <b>Ⅱ</b> 15'34	
evening set inferior conj	7997 Dec 24 01:18 7998 Jan 07 00:41 7998 Jan 08 04:24 7998 Jan 14 01:18	3°≈47'53 30°₹♂ 29°♂23'15 25°♂54'37	-2°30'53	minimum elong	8000 Jun 12 12:30 8000 Jun 12 23:50 8000 Jun 15 04:26	26°∏40'06 27°∏15'34 0°©	1°01'53
evening set inferior conj minimum elong	7997 Dec 24 01:18 7998 Jan 07 00:41 7998 Jan 08 04:24 7998 Jan 14 01:18 7998 Jan 14 06:50	3°≈47'53 30°Rउ 29°उ23'15 25°उ54'37 25°उ46'03	-2°30'53 2°29'04	minimum elong	8000 Jun 12 12:30 8000 Jun 12 23:50 8000 Jun 15 04:26 8000 Jun 15 18:44	26°∏40'06 27°∏15'34 0°© 0°©44'42	1°01'53
evening set inferior conj minimum elong min. Earth dist.	7997 Dec 24 01:18 7998 Jan 07 00:41 7998 Jan 08 04:24 7998 Jan 14 01:18 7998 Jan 14 06:50 7998 Jan 14 19:03	3°≈47'53 30°RT 29°T23'15 25°T54'37 25°T646'03 25°T27'08	-2°30'53 2°29'04	minimum elong max. Earth dist.	8000 Jun 12 12:30 8000 Jun 12 23:50 8000 Jun 15 04:26 8000 Jun 15 18:44 8000 Jul 09 05:57	26°∏40'06 27°∏15'34 0°© 0°©44'42	1°01'53
evening set inferior conj minimum elong min. Earth dist. morning rise	7997 Dec 24 01:18 7998 Jan 07 00:41 7998 Jan 08 04:24 7998 Jan 14 01:18 7998 Jan 14 06:50 7998 Jan 14 19:03 7998 Jan 20 08:24	3°≈47'53 30°Rउ 29°उ23'15 25°उ54'37 25°उ46'03 25°उ27'08 22°उ09'51	-2°30'53 2°29'04	minimum elong max. Earth dist. asc. node	8000 Jun 12 12:30 8000 Jun 12 23:50 8000 Jun 15 04:26 8000 Jun 15 18:44 8000 Jul 09 05:57 8000 Jul 10 21:43	26° II 40'06 27° II 15'34 0° S 0° S44'42 0° N 2° N03'37	1°01'53
evening set inferior conj minimum elong min. Earth dist. morning rise asc. node	7997 Dec 24 01:18 7998 Jan 07 00:41 7998 Jan 08 04:24 7998 Jan 14 01:18 7998 Jan 14 06:50 7998 Jan 14 19:03 7998 Jan 20 08:24 7998 Jan 24 03:53	3°≈47'53 30°Rで 29°で23'15 25°で54'37 25°で46'03 25°で27'08 22°で09'51 20°で17'08	-2°30'53 2°29'04	minimum elong max. Earth dist. asc. node	8000 Jun 12 12:30 8000 Jun 12 23:50 8000 Jun 15 04:26 8000 Jun 15 18:44 8000 Jul 09 05:57 8000 Jul 10 21:43 8000 Jul 21 20:28	26° \$\Pi40'06\\ 27° \$\Pi 15'34\\ 0° \$\Sigma\\ 0° \$\Omega 44'42\\ 0° \$\Omega \\ 2° \$\Omega 03'37\\ 15° \$\Omega 38'53\\	1°01'53
evening set inferior conj minimum elong min. Earth dist. morning rise asc. node direct	7997 Dec 24 01:18 7998 Jan 07 00:41 7998 Jan 08 04:24 7998 Jan 14 01:18 7998 Jan 14 06:50 7998 Jan 14 19:03 7998 Jan 20 08:24 7998 Jan 24 03:53 7998 Feb 04 01:52	3°≈47'53 30°Rで 29°で23'15 25°で54'37 25°で46'03 25°で27'08 22°で09'51 20°で17'08 17°で551'44	-2°30'53 2°29'04 0.27696 AU	minimum elong max. Earth dist. asc. node	8000 Jun 12 12:30 8000 Jun 12 23:50 8000 Jun 15 04:26 8000 Jun 15 18:44 8000 Jul 09 05:57 8000 Jul 10 21:43 8000 Jul 21 20:28 8000 Aug 02 10:53 8000 Aug 26 19:48	26° \$\Pi40'06\\ 27° \$\Pi115'34\\ 0° \$\Sigma\\ 0° \$\Sigma4'42\\ 0° \$\Omega\\ 2° \$\Omega\\ 03'37\\ 15° \$\Omega\\\ 0° \$\Pi\\\ 0° \$\Pi\\\ 0° \$\Pi\\\ 0° \$\Pi\\\ 0° \$\Pi\\\ 0° \$\Pi\\\ 0° \$\Pi\\\\ 0° \$\Pi\\\\ 0° \$\Pi\\\\ 0° \$\Pi\\\\\ 0° \$\Pi\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	1°01'53
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evening set inferior conj minimum elong min. Earth dist. morning rise asc. node direct greatest brilliancy	7997 Dec 24 01:18 7998 Jan 07 00:41 7998 Jan 08 04:24 7998 Jan 14 01:18 7998 Jan 14 06:50 7998 Jan 14 19:03 7998 Jan 20 08:24 7998 Jan 24 03:53 7998 Feb 04 01:52 7998 Feb 15 02:45 7998 Mar 03 16:02 7998 Mar 26 12:33	3°≈47'53 30°R♂ 29°♂23'15 25°♂54'37 25°♂46'03 25°♂27'08 22°♂09'51 20°♂17'08 17°♂51'44 20°♂07'26 0°≈	-2°30'53 2°29'04 0.27696 AU -4.9m	minimum elong max. Earth dist. asc. node	8000 Jun 12 12:30 8000 Jun 12 23:50 8000 Jun 15 04:26 8000 Jun 15 18:44 8000 Jul 09 05:57 8000 Jul 10 21:43 8000 Jul 21 20:28 8000 Aug 02 10:53 8000 Aug 26 19:48 8000 Sep 20 09:54	26° II 40'06 27° II 15'34 0° © 644'42 0° Ω 2° Ω03'37 15° Ω38'53 0° III 0° IL	1°01'53
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evening set inferior conj minimum elong min. Earth dist. morning rise asc. node direct greatest brilliancy morning max el	7997 Dec 24 01:18 7998 Jan 07 00:41 7998 Jan 08 04:24 7998 Jan 14 01:18 7998 Jan 14 06:50 7998 Jan 14 19:03 7998 Jan 20 08:24 7998 Jan 24 03:53 7998 Feb 04 01:52 7998 Feb 15 02:45 7998 Mar 03 16:02 7998 Mar 26 12:33 7998 Apr 04 13:34 7998 May 01 11:29	3°&47'53 30°Rで 29°で23'15 25°で554'37 25°で327'08 22°で309'51 20°で317'08 17°で551'44 20°で307'26 0°≈ 20°≈37'33 0°升 0°Y	-2°30'53 2°29'04 0.27696 AU -4.9m	minimum elong max. Earth dist. asc. node evening rise	8000 Jun 12 12:30 8000 Jun 12 23:50 8000 Jun 15 04:26 8000 Jun 15 18:44 8000 Jul 09 05:57 8000 Jul 10 21:43 8000 Jul 21 20:28 8000 Aug 02 10:53 8000 Aug 26 19:48 8000 Oct 15 07:27 8000 Oct 30 15:32 8000 Nov 09 15:38	26° \$\Pi40'06\\ 27° \$\Pi15'34\\ 0° \$\Sigma\\ 0° \$\Sigma\\ 2° \$\O3'37\\ 15° \$\O38'53\\ 0° \$\mi\\ 0° \$\mi\\ 0° \$\mi\\ 18° \$\ni\\ 18° \$\ni\\ 18° \$\ni\\ 18° \$\ni\\ 0° \$\mi\\	1°01'53
evening set inferior conj minimum elong min. Earth dist. morning rise asc. node direct greatest brilliancy	7997 Dec 24 01:18 7998 Jan 07 00:41 7998 Jan 08 04:24 7998 Jan 14 01:18 7998 Jan 14 06:50 7998 Jan 14 19:03 7998 Jan 20 08:24 7998 Jan 24 03:53 7998 Feb 04 01:52 7998 Feb 15 02:45 7998 Mar 03 16:02 7998 Mar 26 12:33 7998 Apr 04 13:34 7998 May 01 11:29 7998 May 15 21:50	3°≈47'53 30°Rで 29°で23'15 25°で54'37 25°で346'03 25°で27'08 22°で309'51 20°で317'08 17°で551'44 20°で307'26 0°≈ 20°≈37'33 0°升 0°Y 16°Y'52'53	-2°30'53 2°29'04 0.27696 AU -4.9m	minimum elong max. Earth dist. asc. node evening rise	8000 Jun 12 12:30 8000 Jun 12 23:50 8000 Jun 15 04:26 8000 Jun 15 18:44 8000 Jul 09 05:57 8000 Jul 10 21:43 8000 Jul 21 20:28 8000 Aug 02 10:53 8000 Aug 26 19:48 8000 Sep 20 09:54 8000 Oct 15 07:27 8000 Oct 30 15:32 8000 Nov 09 15:38 8000 Dec 05 15:32	26° II 40'06 27° II 15'34 0° © 0° © 44'42 0° Ω 2° Ω 03'37 15° Ω 38'53 0° III 0° Ω 0° III 0° Ջ 18° Ӽ 13'45 0° ℧ 0° ズ	1°01'53
evening set inferior conj minimum elong min. Earth dist. morning rise asc. node direct greatest brilliancy morning max el	7997 Dec 24 01:18 7998 Jan 07 00:41 7998 Jan 08 04:24 7998 Jan 14 01:18 7998 Jan 14 06:50 7998 Jan 14 19:03 7998 Jan 20 08:24 7998 Jan 24 03:53 7998 Feb 04 01:52 7998 Feb 15 02:45 7998 Mar 03 16:02 7998 Mar 26 12:33 7998 Apr 04 13:34 7998 May 01 11:29 7998 May 15 21:50 7998 May 26 22:29	3°≈47'53 30°Rで 29°で23'15 25°で54'37 25°で346'03 25°で327'08 22°で39'51 20°で317'08 17°で551'44 20°で307'26 0°≈ 20°≈37'33 0°升 0°Y 16°Y52'53 0°႘	-2°30'53 2°29'04 0.27696 AU -4.9m	minimum elong max. Earth dist. asc. node evening rise  desc. node	8000 Jun 12 12:30 8000 Jun 12 23:50 8000 Jun 15 04:26 8000 Jun 15 18:44 8000 Jul 09 05:57 8000 Jul 10 21:43 8000 Jul 21 20:28 8000 Aug 02 10:53 8000 Aug 26 19:48 8000 Sep 20 09:54 8000 Oct 15 07:27 8000 Oct 30 15:32 8000 Dec 05 15:32 8001 Jan 01 20:34	26° II 40'06 27° II 15'34 0° © 0° © 44'42 0° Ω 2° Ω03'37 15° Ω38'53 0° ID 0° Ω 0° IL 0° ¾ 18° ¾ 13'45 0° ♂ 0° № 0° №	1°01'53 1.71775 AU
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evening set inferior conj minimum elong min. Earth dist. morning rise asc. node direct greatest brilliancy morning max el	7997 Dec 24 01:18 7998 Jan 07 00:41 7998 Jan 08 04:24 7998 Jan 14 01:18 7998 Jan 14 06:50 7998 Jan 14 19:03 7998 Jan 20 08:24 7998 Jan 24 03:53 7998 Feb 04 01:52 7998 Feb 15 02:45 7998 Mar 03 16:02 7998 Mar 26 12:33 7998 Apr 04 13:34 7998 May 01 11:29 7998 May 15 21:50 7998 May 26 22:29 7998 Jun 20 18:56 7998 Jul 15 09:24	3°≈47'53 30°R♂ 29°♂23'15 25°♂54'37 25°♂54'03 25°♂27'08 22°♂09'51 20°♂17'08 17°♂51'44 20°♂07'26 0°≈ 20°≈37'33 0°米 0°Y 16°Y'52'53 0°Ы 0°П	-2°30'53 2°29'04 0.27696 AU -4.9m	minimum elong max. Earth dist. asc. node evening rise  desc. node	8000 Jun 12 12:30 8000 Jun 12 23:50 8000 Jun 15 04:26 8000 Jun 15 18:44 8000 Jul 09 05:57 8000 Jul 10 21:43 8000 Jul 21 20:28 8000 Aug 02 10:53 8000 Aug 26 19:48 8000 Sep 20 09:54 8000 Oct 15 07:27 8000 Oct 30 15:32 8000 Dec 05 15:32 8001 Jan 01 20:34 8001 Jan 16 14:17 8001 Feb 01 16:37	26° II 40'06 27° II 15'34 0° © 0° © 44'42 0° N 2° N03'37 15° N38'53 0° M 0° № 0° M 0° № 18° № 13'45 0° № 0° № 15° ₩ 09'04 0° ₩	1°01'53 1.71775 AU
evening set inferior conj minimum elong min. Earth dist. morning rise asc. node direct greatest brilliancy morning max el	7997 Dec 24 01:18 7998 Jan 07 00:41 7998 Jan 08 04:24 7998 Jan 14 01:18 7998 Jan 14 06:50 7998 Jan 14 19:03 7998 Jan 20 08:24 7998 Jan 24 03:53 7998 Feb 04 01:52 7998 Feb 15 02:45 7998 Mar 03 16:02 7998 Mar 26 12:33 7998 Apr 04 13:34 7998 May 01 11:29 7998 May 15 21:50 7998 May 26 22:29 7998 Jun 20 18:56 7998 Jul 15 09:24 7998 Aug 08 21:51	3°≈47'53 30°R♂ 29°♂23'15 25°♂54'37 25°♂54'37 25°♂27'08 22°♂09'51 20°♂17'08 17°♂51'44 20°♂07'26 0°≈ 20°≈37'33 0°∀ 0°Y 16°Y52'53 0°Ы 0°П 0°© 0°П	-2°30'53 2°29'04 0.27696 AU -4.9m	minimum elong max. Earth dist. asc. node evening rise  desc. node evening max el asc. node	8000 Jun 12 12:30 8000 Jun 12 23:50 8000 Jun 15 04:26 8000 Jun 15 18:44 8000 Jul 09 05:57 8000 Jul 10 21:43 8000 Jul 21 20:28 8000 Aug 02 10:53 8000 Aug 26 19:48 8000 Sep 20 09:54 8000 Oct 15 07:27 8000 Oct 30 15:32 8000 Dec 05 15:32 8001 Jan 01 20:34 8001 Jan 16 14:17 8001 Feb 01 16:37 8001 Feb 20 15:32	26° II 40'06 27° II 15'34 0° © 0° © 44'42 0° Ω 2° Ω03'37 15° Ω38'53 0° ID 0° Ω 0° IL 0° ℤ 18° ℤ 13'45 0° ℤ 0° ℍ 15° ℋ 09'04 0° ♈ 13° ♈ 09'23	1°01'53 1.71775 AU 46°32'13
evening set inferior conj minimum elong min. Earth dist. morning rise asc. node direct greatest brilliancy morning max el  desc. node	7997 Dec 24 01:18 7998 Jan 07 00:41 7998 Jan 08 04:24 7998 Jan 14 01:18 7998 Jan 14 06:50 7998 Jan 14 19:03 7998 Jan 20 08:24 7998 Jan 24 03:53 7998 Feb 04 01:52 7998 Feb 15 02:45 7998 Mar 03 16:02 7998 Mar 26 12:33 7998 Apr 04 13:34 7998 May 01 11:29 7998 May 15 21:50 7998 May 26 22:29 7998 Jun 20 18:56 7998 Jul 15 09:24 7998 Aug 08 21:51 7998 Sep 02 09:26	3°≈47'53 30°R♂ 29°♂23'15 25°♂54'37 25°♂54'03 25°♂27'08 22°♂09'51 20°♂17'08 17°♂51'44 20°♂07'26 0°≈ 20°≈37'33 0°¥ 0°Y 16°Y52'53 0°Ы 0°Ы 0°Ы 0°Ы	-2°30'53 2°29'04 0.27696 AU -4.9m	minimum elong max. Earth dist. asc. node evening rise  desc. node evening max el asc. node greatest brilliancy	8000 Jun 12 12:30 8000 Jun 12 23:50 8000 Jun 15 04:26 8000 Jun 15 18:44 8000 Jul 09 05:57 8000 Jul 10 21:43 8000 Jul 21 20:28 8000 Aug 02 10:53 8000 Aug 26 19:48 8000 Sep 20 09:54 8000 Oct 15 07:27 8000 Oct 30 15:32 8000 Nov 09 15:38 8000 Dec 05 15:32 8001 Jan 01 20:34 8001 Feb 01 16:37 8001 Feb 20 15:32 8001 Feb 25 17:03	26° II 40'06 27° II 15'34 0° © 0° © 44'42 0° Ω 2° Ω03'37 15° Ω38'53 0° ID 0° Ω 0° IL 0° ℤ 18° ℤ 13'45 0° ℤ 0° ℋ 15° ℋ 09'04 0° ♈ 13° ♈ 09'23 15° ♈ 20'17	1°01'53 1.71775 AU
evening set inferior conj minimum elong min. Earth dist. morning rise asc. node direct greatest brilliancy morning max el	7997 Dec 24 01:18 7998 Jan 07 00:41 7998 Jan 08 04:24 7998 Jan 14 01:18 7998 Jan 14 06:50 7998 Jan 14 19:03 7998 Jan 20 08:24 7998 Jan 24 03:53 7998 Feb 04 01:52 7998 Feb 15 02:45 7998 Mar 03 16:02 7998 Mar 26 12:33 7998 Apr 04 13:34 7998 May 01 11:29 7998 May 15 21:50 7998 May 26 22:29 7998 Jun 20 18:56 7998 Jul 15 09:24 7998 Aug 08 21:51 7998 Sep 02 09:26 7998 Sep 05 20:01	3°&47'53 30°Rで 29°で23'15 25°で554'37 25°で54'03 25°で27'08 22°で309'51 20°で317'08 17°で51'44 20°で307'26 0°総 20°総37'33 0°光 0°Y 16°Y52'53 0°別 0°別 0°別 4°別13'14	-2°30'53 2°29'04 0.27696 AU -4.9m	minimum elong max. Earth dist. asc. node evening rise  desc. node evening max el asc. node greatest brilliancy retrograde	8000 Jun 12 12:30 8000 Jun 12 23:50 8000 Jun 15 04:26 8000 Jun 15 18:44 8000 Jul 09 05:57 8000 Jul 10 21:43 8000 Jul 21 20:28 8000 Aug 02 10:53 8000 Aug 26 19:48 8000 Sep 20 09:54 8000 Oct 15 07:27 8000 Oct 30 15:32 8000 Nov 09 15:38 8000 Dec 05 15:32 8001 Jan 01 20:34 8001 Feb 01 16:37 8001 Feb 20 15:32 8001 Feb 25 17:03 8001 Mar 07 15:40	26° II 40'06 27° II 15'34 0° © 0° © 44'42 0° Ω 2° Ω03'37 15° Ω38'53 0° II 0° № 0° II 0° № 18° № 13'45 0° № 15° ※ 13'45 0° № 15° ※ 09'04 0° № 13° № 09'23 15° № 20'17 17° № 11'36	1°01'53 1.71775 AU 46°32'13
evening set inferior conj minimum elong min. Earth dist. morning rise asc. node direct greatest brilliancy morning max el  desc. node	7997 Dec 24 01:18 7998 Jan 07 00:41 7998 Jan 08 04:24 7998 Jan 14 01:18 7998 Jan 14 06:50 7998 Jan 14 19:03 7998 Jan 20 08:24 7998 Jan 24 03:53 7998 Feb 04 01:52 7998 Feb 15 02:45 7998 Mar 03 16:02 7998 Mar 26 12:33 7998 Apr 04 13:34 7998 May 01 11:29 7998 May 15 21:50 7998 May 26 22:29 7998 Jun 20 18:56 7998 Jul 15 09:24 7998 Aug 08 21:51 7998 Sep 02 09:26 7998 Sep 05 20:01 7998 Sep 26 19:50	3°&47'53 30°Rで 29°で23'15 25°で554'37 25°で54'03 25°で27'08 22°で309'51 20°で317'08 17°で51'44 20°で307'26 0°& 20°≈37'33 0°升 0°か 16°か52'53 0°が 0°が 0°が 4°か13'14 0°・	-2°30'53 2°29'04 0.27696 AU -4.9m	minimum elong max. Earth dist. asc. node evening rise  desc. node evening max el asc. node greatest brilliancy retrograde evening set	8000 Jun 12 12:30 8000 Jun 12 23:50 8000 Jun 15 04:26 8000 Jun 15 18:44 8000 Jul 09 05:57 8000 Jul 10 21:43 8000 Jul 21 20:28 8000 Aug 02 10:53 8000 Aug 26 19:48 8000 Sep 20 09:54 8000 Oct 15 07:27 8000 Oct 30 15:32 8000 Nov 09 15:38 8000 Dec 05 15:32 8001 Jan 01 20:34 8001 Jan 16 14:17 8001 Feb 01 16:37 8001 Feb 20 15:32 8001 Mar 07 15:40 8001 Mar 23 19:45	26° II 40'06 27° II 15'34 0° \$\operatorname{\operatorname{\text{0}}} 0° \$\operatorname{\text{4}}4'42 0° \$\hat{\text{0}} 2° \$\hat{\text{0}}3'37 15° \$\hat{\text{0}}38'53 0° \$\operatorname{\text{m}} 0° \$\operatorname{\text{\text{0}}} 0° \$\operatorname{\text{\text{0}}} 18° \$\operatorname{\text{7}}13'45 0° \$\operatorname{\text{0}}\$ 0° \$\operatorname{\text{0}}\$ 15° \$\operatorname{\text{0}}9'04 0° \$\operatorname{\text{0}}\$ 15° \$\operatorname{\text{0}}9'04 17° \$\operatorname{\text{1}}13'6 12° \$\operatorname{\text{0}}9'4'16	1°01'53 1.71775 AU 46°32'13 -4.9m
evening set inferior conj minimum elong min. Earth dist. morning rise asc. node direct greatest brilliancy morning max el  desc. node	7997 Dec 24 01:18 7998 Jan 07 00:41 7998 Jan 08 04:24 7998 Jan 14 01:18 7998 Jan 14 06:50 7998 Jan 14 19:03 7998 Jan 20 08:24 7998 Jan 24 03:53 7998 Feb 04 01:52 7998 Feb 15 02:45 7998 Mar 03 16:02 7998 Mar 26 12:33 7998 Apr 04 13:34 7998 May 01 11:29 7998 May 15 21:50 7998 May 26 22:29 7998 Jun 20 18:56 7998 Jul 15 09:24 7998 Sep 02 09:26 7998 Sep 05 20:01 7998 Sep 26 19:50 7998 Sep 27 05:15	3°&47'53 30°Rで 29°で23'15 25°で554'37 25°で54'03 25°で27'08 22°で309'51 20°で317'08 17°で51'44 20°で307'26 0°& 20°≈37'33 0°升 0°か 16°か52'53 0°が 0°が 0°が 4°か13'14 0°・ 0°・ 0°・ 0°・ 0°・ 0°・ 0°・ 0°・ 0°・ 0°・	-2°30'53 2°29'04 0.27696 AU -4.9m	minimum elong max. Earth dist. asc. node evening rise  desc. node evening max el asc. node greatest brilliancy retrograde evening set inferior conj	8000 Jun 12 12:30 8000 Jun 12 23:50 8000 Jun 15 04:26 8000 Jun 15 18:44 8000 Jul 09 05:57 8000 Jul 10 21:43 8000 Jul 10 21:43 8000 Jul 21 20:28 8000 Aug 02 10:53 8000 Aug 26 19:48 8000 Sep 20 09:54 8000 Oct 15 07:27 8000 Oct 30 15:32 8000 Nov 09 15:38 8000 Dec 05 15:32 8001 Jan 01 20:34 8001 Jan 16 14:17 8001 Feb 01 16:37 8001 Feb 25 17:03 8001 Mar 07 15:40 8001 Mar 23 19:45 8001 Mar 28 05:57	26° II 40'06 27° II 15'34 0° \$\operatorname{9}\$ 0° \$\operatorname{4}\$ 2° \$\Omega 03'37 15° \$\Omega 38'53 0° \$\operatorname{9}\$ 0° \$\overatorname{7}\$ 18° \$\overatorname{7}\$ 18° \$\overatorname{7}\$ 13° \$\overatorname{9}\$ 15° \$\overatorname{9}\$ 15° \$\overatorname{9}\$ 17° \$\overatorname{9}\$ 11'36 12° \$\overatorname{9}\$ 16°	1°01'53 1.71775 AU 46°32'13 -4.9m 7°46'14
evening set inferior conj minimum elong min. Earth dist. morning rise asc. node direct greatest brilliancy morning max el  desc. node  asc. node  morning set	7997 Dec 24 01:18 7998 Jan 07 00:41 7998 Jan 08 04:24 7998 Jan 14 01:18 7998 Jan 14 06:50 7998 Jan 14 19:03 7998 Jan 20 08:24 7998 Jan 24 03:53 7998 Feb 04 01:52 7998 Feb 15 02:45 7998 Mar 03 16:02 7998 Mar 26 12:33 7998 Apr 04 13:34 7998 May 01 11:29 7998 May 15 21:50 7998 May 26 22:29 7998 Jun 20 18:56 7998 Jul 15 09:24 7998 Aug 08 21:51 7998 Sep 02 09:26 7998 Sep 05 20:01 7998 Sep 26 19:50 7998 Sep 27 05:15 7998 Oct 21 04:43	3°&47'53 30°Rで 29°で23'15 25°で524'37 25°で527'08 22°で309'51 20°で317'08 17°で51'44 20°で307'26 0°※ 20°※37'33 0°升 0°介 16°か52'53 0°が 0°ののののでする。 0°のののでする。 0°ののでする。 0°のでする。 0°ののでする。 0°00000000000000000000000000000000000	-2°30'53 2°29'04 0.27696 AU -4.9m 46°52'08	minimum elong max. Earth dist. asc. node evening rise  desc. node  evening max el asc. node greatest brilliancy retrograde evening set inferior conj minimum elong	8000 Jun 12 12:30 8000 Jun 12 23:50 8000 Jun 15 04:26 8000 Jun 15 18:44 8000 Jul 09 05:57 8000 Jul 10 21:43 8000 Jul 21 20:28 8000 Aug 02 10:53 8000 Aug 26 19:48 8000 Sep 20 09:54 8000 Oct 15 07:27 8000 Oct 30 15:32 8000 Nov 09 15:38 8000 Dec 05 15:32 8001 Jan 01 20:34 8001 Jan 16 14:17 8001 Feb 01 16:37 8001 Feb 20 15:32 8001 Mar 07 15:40 8001 Mar 23 19:45 8001 Mar 27 19:46	26° II 40'06 27° II 15'34 0° © 644'42 0° N 2° N03'37 15° N38'53 0° M 0° № 18° № 13° № 13° № 15° № 15° ₩ 09'04 0° № 13° № 09'23 15° № 20'17 17° № 11'36 12° № 04'16 9° № 24'42 9° № 40'20	1°01'53 1.71775 AU 46°32'13 -4.9m 7°46'14 7°44'28
evening set inferior conj minimum elong min. Earth dist. morning rise asc. node direct greatest brilliancy morning max el  desc. node	7997 Dec 24 01:18 7998 Jan 07 00:41 7998 Jan 08 04:24 7998 Jan 14 01:18 7998 Jan 14 06:50 7998 Jan 14 19:03 7998 Jan 20 08:24 7998 Jan 24 03:53 7998 Feb 04 01:52 7998 Feb 15 02:45 7998 Mar 03 16:02 7998 Mar 26 12:33 7998 Apr 04 13:34 7998 May 01 11:29 7998 May 15 21:50 7998 May 26 22:29 7998 Jun 20 18:56 7998 Jul 15 09:24 7998 Sep 02 09:26 7998 Sep 05 20:01 7998 Sep 26 19:50 7998 Sep 27 05:15	3°&47'53 30°Rで 29°で23'15 25°で554'37 25°で54'03 25°で27'08 22°で309'51 20°で317'08 17°で51'44 20°で307'26 0°& 20°≈37'33 0°升 0°か 16°か52'53 0°が 0°が 0°が 4°か13'14 0°・ 0°・ 0°・ 0°・ 0°・ 0°・ 0°・ 0°・ 0°・ 0°・	-2°30'53 2°29'04 0.27696 AU -4.9m	minimum elong max. Earth dist. asc. node evening rise  desc. node  evening max el asc. node greatest brilliancy retrograde evening set inferior conj minimum elong min. Earth dist.	8000 Jun 12 12:30 8000 Jun 12 23:50 8000 Jun 15 04:26 8000 Jun 15 18:44 8000 Jul 09 05:57 8000 Jul 10 21:43 8000 Jul 21 20:28 8000 Aug 02 10:53 8000 Aug 26 19:48 8000 Sep 20 09:54 8000 Oct 15 07:27 8000 Oct 30 15:32 8000 Nov 09 15:38 8000 Dec 05 15:32 8001 Jan 01 20:34 8001 Jan 16 14:17 8001 Feb 01 16:37 8001 Feb 20 15:32 8001 Mar 07 15:40 8001 Mar 23 19:45 8001 Mar 27 19:46 8001 Mar 27 19:46 8001 Mar 27 22:57	26° II 40'06 27° II 15'34 0° © 0° © 44'42 0° Ω 2° Ω03'37 15° Ω38'53 0° III 0° № 0° № 18° № 13'45 0° № 0° № 15° № 90'04 0° № 13° № 90'23 15° № 20'17 17° № 11'36 12° № 04'16 9° № 24'42 9° № 40'20 9° № 35'27	1°01'53 1.71775 AU 46°32'13 -4.9m 7°46'14
evening set inferior conj minimum elong min. Earth dist. morning rise asc. node direct greatest brilliancy morning max el  desc. node  asc. node  morning set max. Earth dist.	7997 Dec 24 01:18 7998 Jan 07 00:41 7998 Jan 08 04:24 7998 Jan 14 01:18 7998 Jan 14 06:50 7998 Jan 14 19:03 7998 Jan 20 08:24 7998 Jan 24 03:53 7998 Feb 04 01:52 7998 Mar 03 16:02 7998 Mar 03 16:02 7998 Mar 26 12:33 7998 Apr 04 13:34 7998 May 01 11:29 7998 May 15 21:50 7998 May 26 22:29 7998 Jun 20 18:56 7998 Jul 15 09:24 7998 Aug 08 21:51 7998 Sep 02 09:26 7998 Sep 05 20:01 7998 Sep 26 19:50 7998 Sep 27 05:15 7998 Nov 01 21:44	3°&47'53 30°Rで 29°で23'15 25°で554'37 25°で54'03 25°で27'08 22°で09'51 20°で17'08 17°で51'44 20°で07'26 0°※ 20°※37'33 0°米 0°Y 16°Y 52'53 0°と 0°肌 0°の 4°か13'14 0°の 0°か 4°か13'14 0°の 0°か 14°か126'18	-2°30'53 2°29'04 0.27696 AU -4.9m 46°52'08	minimum elong max. Earth dist. asc. node evening rise  desc. node  evening max el asc. node greatest brilliancy retrograde evening set inferior conj minimum elong min. Earth dist. morning rise	8000 Jun 12 12:30 8000 Jun 12 23:50 8000 Jun 15 04:26 8000 Jun 15 18:44 8000 Jul 19 05:57 8000 Jul 10 21:43 8000 Jul 21 20:28 8000 Aug 02 10:53 8000 Aug 26 19:48 8000 Sep 20 09:54 8000 Oct 15 07:27 8000 Oct 30 15:32 8000 Nov 09 15:38 8000 Dec 05 15:32 8001 Jan 01 20:34 8001 Jan 16 14:17 8001 Feb 01 16:37 8001 Feb 20 15:32 8001 Feb 20 15:32 8001 Mar 07 15:40 8001 Mar 23 19:45 8001 Mar 27 19:46 8001 Mar 27 22:57 8001 Mar 31 19:51	26° II 40'06 27° II 15'34 0° © 0° © 44'42 0° N 2° N03'37 15° N38'53 0° ID 0° № 0° № 18° № 13'45 0° № 0° № 15° Ж09'04 0° № 13° Y09'23 15° Y20'17 17° Y11'36 12° Y04'16 9° Y24'42 9° Y40'20 9° Y35'27 7° Y14'50	1°01'53 1.71775 AU 46°32'13 -4.9m 7°46'14 7°44'28
evening set inferior conj minimum elong min. Earth dist. morning rise asc. node direct greatest brilliancy morning max el  desc. node  asc. node  asc. node  asc. node  superior conj	7997 Dec 24 01:18 7998 Jan 07 00:41 7998 Jan 08 04:24 7998 Jan 14 01:18 7998 Jan 14 06:50 7998 Jan 14 19:03 7998 Jan 20 08:24 7998 Jan 24 03:53 7998 Feb 04 01:52 7998 Feb 15 02:45 7998 Mar 03 16:02 7998 Mar 26 12:33 7998 May 01 11:29 7998 May 15 21:50 7998 May 26 22:29 7998 Jun 20 18:56 7998 Jul 15 09:24 7998 Aug 08 21:51 7998 Sep 02 09:26 7998 Sep 05 20:01 7998 Sep 26 19:50 7998 Sep 27 05:15 7998 Nov 01 21:44	3°&47'53 30°Rで 29°で23'15 25°で554'37 25°で54'03 25°で27'08 22°で09'51 20°で17'08 17°で51'44 20°で07'26 0°※ 20°※37'33 0°升 0°Y 16°Y52'53 0°が 0°が 4°か13'14 0°・ 0°・ 14°か13'14 0°・ 14° 1126'18	-2°30'53 2°29'04 0.27696 AU -4.9m 46°52'08	minimum elong max. Earth dist. asc. node evening rise  desc. node  evening max el asc. node greatest brilliancy retrograde evening set inferior conj minimum elong min. Earth dist. morning rise direct	8000 Jun 12 12:30 8000 Jun 12 23:50 8000 Jun 15 04:26 8000 Jun 15 18:44 8000 Jul 09 05:57 8000 Jul 10 21:43 8000 Jul 10 21:43 8000 Jul 21 20:28 8000 Aug 02 10:53 8000 Aug 26 19:48 8000 Sep 20 09:54 8000 Oct 15 07:27 8000 Oct 30 15:32 8000 Nov 09 15:38 8000 Dec 05 15:32 8001 Jan 01 20:34 8001 Jan 16 14:17 8001 Feb 01 16:37 8001 Feb 20 15:32 8001 Feb 20 15:32 8001 Feb 25 17:03 8001 Mar 07 15:40 8001 Mar 23 19:45 8001 Mar 27 19:46 8001 Mar 27 22:57 8001 Mar 31 19:51 8001 Apr 17 21:29	26° II 40'06 27° II 15'34 0° © 0° S44'42 0° N 2° N03'37 15° N38'53 0° ID 0° IL 0° X 18° X 13'45 0° IS 0° IS 0° IS 15° Y09'23 15° Y20'17 17° Y11'36 12° Y04'16 9° Y24'42 9° Y40'20 9° Y35'27 7° Y14'50 1° Y37'56	1°01'53 1.71775 AU 46°32'13 -4.9m 7°46'14 7°44'28 0.26995 AU
evening set inferior conj minimum elong min. Earth dist. morning rise asc. node direct greatest brilliancy morning max el  desc. node  asc. node  morning set max. Earth dist.	7997 Dec 24 01:18 7998 Jan 07 00:41 7998 Jan 08 04:24 7998 Jan 14 01:18 7998 Jan 14 06:50 7998 Jan 14 19:03 7998 Jan 20 08:24 7998 Jan 24 03:53 7998 Feb 04 01:52 7998 Feb 15 02:45 7998 Mar 03 16:02 7998 Mar 26 12:33 7998 May 01 11:29 7998 May 15 21:50 7998 May 26 22:29 7998 Jun 20 18:56 7998 Jul 15 09:24 7998 Aug 08 21:51 7998 Sep 02 09:26 7998 Sep 05 20:01 7998 Sep 26 19:50 7998 Sep 27 05:15 7998 Oct 21 04:43 7998 Nov 02 19:24 7998 Nov 02 19:24	3°&47'53 30°Rで 29°で23'15 25°で554'37 25°で54'03 25°で27'08 22°で09'51 20°で17'08 17°で51'44 20°で07'26 0°※ 20°※37'33 0°米 0°Y 16°Y52'53 0°B 0°II 0°© 0°A 0°ID 4°ID 13'14 0° 0° 14°ID 15°IL36'34	-2°30'53 2°29'04 0.27696 AU -4.9m 46°52'08	minimum elong max. Earth dist. asc. node evening rise  desc. node  evening max el asc. node greatest brilliancy retrograde evening set inferior conj minimum elong min. Earth dist. morning rise	8000 Jun 12 12:30 8000 Jun 12 23:50 8000 Jun 15 04:26 8000 Jun 15 18:44 8000 Jul 09 05:57 8000 Jul 10 21:43 8000 Jul 10 21:43 8000 Jul 21 20:28 8000 Aug 02 10:53 8000 Aug 26 19:48 8000 Sep 20 09:54 8000 Oct 15 07:27 8000 Oct 30 15:32 8000 Nov 09 15:38 8000 Dec 05 15:32 8001 Jan 01 20:34 8001 Jan 16 14:17 8001 Feb 01 16:37 8001 Feb 20 15:32 8001 Feb 20 15:32 8001 Mar 07 15:40 8001 Mar 23 19:45 8001 Mar 27 19:46 8001 Mar 27 22:57 8001 Mar 31 19:51 8001 Apr 17 21:29 8001 Apr 27 11:00	26° II 40'06 27° II 15'34 0° © 0° S44'42 0° N 2° N03'37 15° N38'53 0° M 0° № 0° № 18° № 13'45 0° № 15° ₩09'04 0° Ψ 13° ₩09'23 15° ₩20'17 17° ₩11'36 12° ₩04'16 9° ₩24'42 9° ₩40'20 9° ₩35'27 7° ₩14'50 1° ₩37'56 3° ₩22'36	1°01'53 1.71775 AU 46°32'13 -4.9m 7°46'14 7°44'28
evening set inferior conj minimum elong min. Earth dist. morning rise asc. node direct greatest brilliancy morning max el  desc. node  asc. node  asc. node  asc. node  superior conj	7997 Dec 24 01:18 7998 Jan 07 00:41 7998 Jan 08 04:24 7998 Jan 14 01:18 7998 Jan 14 06:50 7998 Jan 14 19:03 7998 Jan 20 08:24 7998 Jan 24 03:53 7998 Feb 04 01:52 7998 Feb 15 02:45 7998 Mar 03 16:02 7998 Mar 26 12:33 7998 Apr 04 13:34 7998 May 01 11:29 7998 May 15 21:50 7998 May 26 22:29 7998 Jul 15 09:24 7998 Aug 08 21:51 7998 Sep 02 09:26 7998 Sep 02 09:26 7998 Sep 05 20:01 7998 Sep 26 19:50 7998 Sep 27 05:15 7998 Oct 21 04:43 7998 Nov 02 19:24 7998 Nov 02 19:24 7998 Nov 02 19:24 7998 Nov 02 20:30 7998 Nov 14 12:27	3°≈47'53 30°R♂ 29°♂23'15 25°♂54'37 25°♂54'37 25°♂46'03 25°♂27'08 22°♂09'51 20°♂17'08 17°♂51'44 20°♂07'26 0°≈ 20°≈37'33 0°∀ 16°Y52'53 0°¥ 0°¶ 0°¶ 4°№13'14 0°Ω 0°Ω 14°№26'18 15°™33'09 15°™36'34 0°♂	-2°30'53 2°29'04 0.27696 AU -4.9m 46°52'08	minimum elong max. Earth dist. asc. node evening rise  desc. node  evening max el asc. node greatest brilliancy retrograde evening set inferior conj minimum elong min. Earth dist. morning rise direct greatest brilliancy	8000 Jun 12 12:30 8000 Jun 12 23:50 8000 Jun 15 04:26 8000 Jun 15 18:44 8000 Jul 09 05:57 8000 Jul 10 21:43 8000 Jul 10 21:43 8000 Jul 21 20:28 8000 Aug 02 10:53 8000 Aug 26 19:48 8000 Sep 20 09:54 8000 Oct 15 07:27 8000 Oct 30 15:32 8000 Nov 09 15:38 8000 Dec 05 15:32 8001 Jan 01 20:34 8001 Jan 16 14:17 8001 Feb 01 16:37 8001 Feb 20 15:32 8001 Feb 25 17:03 8001 Mar 07 15:40 8001 Mar 23 19:45 8001 Mar 23 19:45 8001 Mar 27 19:46 8001 Mar 27 12:29 8001 Apr 27 11:00 8001 Jun 02 21:18	26° II 40'06 27° II 15'34 0° © 0° © 44'42 0° Ω 2° Ω03'37 15° Ω38'53 0° ID 0° № 0° № 18° № 13'45 0° № 15° № 09'04 0° № 15° № 09'17 17° № 11'36 12° № 04'16 9° № 24'42 9° № 40'20 9° № 35'27 7° № 14'50 1° № 37'56 3° № 22'36 0° ₺	1°01'53 1.71775 AU 46°32'13 -4.9m 7°46'14 7°44'28 0.26995 AU -4.9m
evening set inferior conj minimum elong min. Earth dist. morning rise asc. node direct greatest brilliancy morning max el  desc. node  asc. node  asc. node  asc. node  superior conj	7997 Dec 24 01:18 7998 Jan 07 00:41 7998 Jan 08 04:24 7998 Jan 14 01:18 7998 Jan 14 06:50 7998 Jan 14 19:03 7998 Jan 20 08:24 7998 Jan 24 03:53 7998 Feb 04 01:52 7998 Feb 15 02:45 7998 Mar 03 16:02 7998 Mar 26 12:33 7998 May 01 11:29 7998 May 15 21:50 7998 May 26 22:29 7998 Jun 20 18:56 7998 Jul 15 09:24 7998 Aug 08 21:51 7998 Sep 02 09:26 7998 Sep 05 20:01 7998 Sep 26 19:50 7998 Sep 27 05:15 7998 Oct 21 04:43 7998 Nov 02 19:24 7998 Nov 02 19:24	3°&47'53 30°Rで 29°で23'15 25°で554'37 25°で54'03 25°で27'08 22°で09'51 20°で17'08 17°で51'44 20°で07'26 0°※ 20°※37'33 0°米 0°Y 16°Y52'53 0°と 0°肌 0°の 4°か13'14 0°の 0°の 14°か13'14 0°の 14°™26'18	-2°30'53 2°29'04 0.27696 AU -4.9m 46°52'08	minimum elong max. Earth dist. asc. node evening rise  desc. node  evening max el asc. node greatest brilliancy retrograde evening set inferior conj minimum elong min. Earth dist. morning rise direct	8000 Jun 12 12:30 8000 Jun 12 23:50 8000 Jun 15 04:26 8000 Jun 15 18:44 8000 Jul 09 05:57 8000 Jul 10 21:43 8000 Jul 10 21:43 8000 Jul 21 20:28 8000 Aug 02 10:53 8000 Aug 26 19:48 8000 Sep 20 09:54 8000 Oct 15 07:27 8000 Oct 30 15:32 8000 Nov 09 15:38 8000 Dec 05 15:32 8001 Jan 01 20:34 8001 Jan 16 14:17 8001 Feb 01 16:37 8001 Feb 20 15:32 8001 Feb 20 15:32 8001 Mar 07 15:40 8001 Mar 23 19:45 8001 Mar 27 19:46 8001 Mar 27 22:57 8001 Mar 31 19:51 8001 Apr 17 21:29 8001 Apr 27 11:00	26° II 40'06 27° II 15'34 0° © 0° S44'42 0° N 2° N03'37 15° N38'53 0° M 0° № 0° № 18° № 13'45 0° № 15° ₩09'04 0° Ψ 13° ₩09'23 15° ₩20'17 17° ₩11'36 12° ₩04'16 9° ₩24'42 9° ₩40'20 9° ₩35'27 7° ₩14'50 1° ₩37'56 3° ₩22'36	1°01'53 1.71775 AU 46°32'13 -4.9m 7°46'14 7°44'28 0.26995 AU

	8001 Jul 01 10:14	$\Pi^{\circ}0$		asc. node	8004 Mar 20 02:58	18° <b>8</b> 10'24	
	8001 Jul 27 18:09	0° <b>©</b>		evening max el	8004 Mar 30 12:07	28° <b>8</b> 59'09	47°00'50
	8001 Aug 22 06:55	0° <b>N</b>			8004 Mar 31 12:17	0°II	
aca mada	8001 Sep 16 10:12	0°Mp 20°m-22115		areatest brillianess	8004 May 09 18:34	0°ഇ 0° <b>ഇ</b> 06'04	-4.9m
asc. node	8001 Oct 03 08:13 8001 Oct 11 06:44	20° <b>™</b> 23'15 0° <b>₽</b>		greatest brilliancy retrograde	8004 May 10 01:11 8004 May 20 01:20	1°959'35	-4.9111
	8001 Nov 04 21:23	0° <b>m</b>		retrograde	8004 May 29 23:06	30°RII	
	8001 Nov 29 07:13	0° <b>∡</b> 7		evening set	8004 Jun 05 16:48	26° <b>Ⅲ</b> 37'52	
morning set	8001 Dec 04 17:00	6° <b>∡</b> ¹40'23		inferior conj	8004 Jun 09 21:38	24° <b>Ⅱ</b> 04'52	6°47'28
	8001 Dec 23 13:35	5°0		minimum elong	8004 Jun 10 08:32	23° <b>Ⅱ</b> 48′00	6°44'59
max. Earth dist.	8002 Jan 08 13:35	19° <b>る</b> 51'10	1.72394 AU	min. Earth dist.	8004 Jun 09 22:31	24° <b>Ⅱ</b> 03′28	0.27342 AU
		_		morning rise	8004 Jun 15 00:25	21° <b>I</b> I00'39	
superior conj	8002 Jan 11 06:10	23°₹11'47		direct	8004 Jun 30 15:47	16° <b>Ⅱ</b> 15'07	
minimum elong	8002 Jan 11 12:27	23° <b>る</b> 31'18	0°27'53	desc. node	8004 Jul 09 21:19	17° <b>Ⅲ</b> 50'00 18° <b>Ⅲ</b> 01'42	4.0
desc. node	8002 Jan 16 17:30 8002 Jan 23 01:02	0° <b>≈</b> 7° <b>≈</b> 51'28		greatest brilliancy	8004 Jul 10 11:07 8004 Jul 30 15:42	18° <b>ப</b> 0142 0° <b>9</b>	-4.8m
desc. flode	8002 Feb 09 19:23	0° <b>∺</b>		morning max el	8004 Aug 19 02:28	17° <b>©</b> 14'33	46°06'29
evening rise	8002 Feb 19 11:53	12° <b>₩</b> 05'49		morning max er	8004 Aug 31 18:27	0° <b>Ω</b>	10 00 25
e vennig 1190	8002 Mar 05 19:31	0°Υ			8004 Sep 28 09:25	0° mp	
	8002 Mar 29 19:00	0°8			8004 Oct 24 13:06	0∘ <u>⊽</u>	
	8002 Apr 22 20:04	$\Pi^{\circ}0$		asc. node	8004 Oct 30 20:21	7° <b>≙</b> 23'10	
asc. node	8002 May 16 00:02	28° <b>Ⅱ</b> 40′06			8004 Nov 18 21:25	0° <b>M</b> ₊	
	8002 May 17 02:01	0			8004 Dec 13 16:54	0° <b>∡</b> ¹	
	8002 Jun 10 17:03	$0$ $\circ$ $\Omega$			8005 Jan 07 03:46	0°ප	
	8002 Jul 05 23:42	0° <b>m</b> y			8005 Jan 31 08:58	0° <b>≈</b>	
	8002 Aug 01 12:02	0∘ <b>⊽</b>	45047114	morning set	8005 Feb 13 20:37	16°≈47'46	
evening max el	8002 Aug 23 14:15 8002 Aug 31 03:42	22° <b>£</b> 53'45 0° <b>IL</b>	45*4/14	desc. node	8005 Feb 19 13:09 8005 Feb 24 10:16	23°≈54'01 0° <b>)</b> €	
desc. node	8002 Aug 31 03.42 8002 Sep 04 18:35	4°M04'39			8005 Mar 20 08:42	0°Υ	
greatest brilliancy	8002 Oct 01 07:07	21°M14'17	-4 7m	max. Earth dist.	8005 Mar 24 14:21		1.71292 AU
retrograde	8002 Oct 11 12:33	23°M07'19		man. Barur diot.	0000 1/101 2 1 1 1.21	0 1171.	1.,12,2110
evening set	8002 Oct 29 18:36	16°M53'51		superior conj	8005 Mar 26 09:35	7° <b>Ƴ</b> 35′02	-1°12'16
inferior conj	8002 Nov 02 01:03	14°M51'39	-8°37'15	minimum elong	8005 Mar 25 22:23	6° <b>Ƴ</b> 59'51	1°11'58
minimum elong	8002 Nov 02 01:56	14°M50'16	8°37'09		8005 Apr 13 05:29	$9^{\circ}$ 8	
min. Earth dist.	8002 Nov 02 05:33	14°M44'34	0.29134 AU	evening rise	8005 May 05 23:14	28° <b>8</b> 34'42	
morning rise	8002 Nov 05 09:14	12° <b>™</b> 46'47			8005 May 07 02:26	0°II	
direct	8002 Nov 23 14:58	6°M33'21	4.0		8005 May 31 01:44	0°©	
greatest brilliancy	8002 Dec 04 05:17	8°M36'06	-4.8m	asc. node	8005 Jun 12 11:48	15°927'23	
asc. node	8002 Dec 26 18:09 8003 Jan 04 00:46	22°M46'14 0°⊀			8005 Jun 24 05:30 8005 Jul 18 15:43	0° <b>Ω</b> 0° <b>m</b>	
morning max el	8003 Jan 12 02:27	7° <b>∡</b> 741'52	46°06'52		8005 Aug 12 11:10	0∘ <b>⊽</b>	
morning man vi	8003 Feb 02 08:32	0°る	.0 0002		8005 Sep 06 21:08	0° <b>M</b>	
	8003 Feb 28 15:10	0° <b>≈</b>		desc. node	8005 Oct 02 05:56	28°M46'18	
	8003 Mar 25 17:58	0° <b>)</b> €			8005 Oct 03 08:44	0° <b>∡</b> ¹	
desc. node	8003 Apr 17 11:37	27° <b>)</b> 46′15			8005 Nov 01 03:52	0°ರ	
	8003 Apr 19 07:06	$0$ ° $\Upsilon$		evening max el	8005 Nov 02 18:55	1° <b>る</b> 33'52	45°47'19
	8003 May 13 13:04	0°B		greatest brilliancy	8005 Dec 12 04:51	29° <b>る</b> 53'49	-4.8m
	8003 Jun 06 15:57	0° <b>I</b> I			8005 Dec 12 12:23	0° <b>≈</b>	
	8003 Jun 30 18:34	0°©		retrograde	8005 Dec 21 15:45	1°≈32'16	
morning set	8003 Jul 17 05:03 8003 Jul 24 22:30	20° <b>©</b> 25'04 0° <b>Ω</b>		evening set	8005 Dec 30 10:15 8006 Jan 05 20:50	30°Rる 27°る03'58	
asc. node	8003 Aug 08 09:48	17° <b>Ω</b> 55'26		inferior conj	8006 Jan 11 15:48	27 <b>3</b> 03 36 23° <b>3</b> 37'56	-2°51'47
use. Hode	8003 Aug 18 04:07	0° m)		minimum elong	8006 Jan 11 22:01	23° <b>ට</b> 28'19	
	C	•		min. Earth dist.	8006 Jan 12 10:02		0.27755 AU
superior conj	8003 Aug 24 06:35	7° m 32'26	0°37'08	morning rise	8006 Jan 17 22:24	19° <b>ප</b> 54'04	
minimum elong	8003 Aug 23 23:07	7° m 09'23	0°36'44	asc. node	8006 Jan 23 05:54	17° <b>る</b> 24'14	
max. Earth dist.	8003 Aug 26 02:32	9° <b>™</b> 48'10	1.73004 AU	direct	8006 Feb 01 17:10	15° <b>る</b> 34'04	
	8003 Sep 11 11:12	0∘ <b>ত</b>		greatest brilliancy	8006 Feb 12 18:41	17° <b>る</b> 50'53	-4.8m
evening rise	8003 Sep 29 23:01	22° <b>Ω</b> 46'57			8006 Mar 04 05:22	0°≈	4.0000150
	8003 Oct 05 19:49	0°M 0°. <b>7</b>		morning max el	8006 Mar 24 04:11	18°≈20'42	46°50'58
	8003 Oct 30 06:39 8003 Nov 23 20:36	0°る			8006 Apr 04 08:33 8006 May 01 02:24	0° <b>∀</b> 0° <b>Υ</b>	
desc. node	8003 Nov 28 03:11	5° <b>る</b> 11'54		desc. node	8006 May 14 23:41	0° <b>γ</b> 16° <b>Υ</b> 17'35	
3050. Hode	8003 Dec 18 14:11	0°≈		acoc. node	8006 May 26 11:39	0° <b>8</b>	
	8004 Jan 12 12:06	0° <b>)</b> €			8006 Jun 20 07:06	0°II	
	8004 Feb 06 17:17	0° <b>Υ</b>			8006 Jul 14 20:56	0ංම	
	8004 Mar 03 15:21	$0^{\circ}$ 8			8006 Aug 08 08:57	$0^{\circ}\Omega$	

	8006 Sep 01 20:14	0° <b>m</b>		greatest brilliancy	8009 Feb 23 06:00	12° <b>Υ</b> 55'16	4 0m
asc. node	8006 Sep 04 21:57	3°Mp46'13		retrograde	8009 Mar 05 04:23	$12^{\circ}$ $73510$ $14^{\circ}$ $746'02$	-4.9111
	•	28° M) 21'07		•		9° <b>Υ</b> 45'24	
morning set	8006 Sep 24 22:16			evening set	8009 Mar 21 04:26		7022157
	8006 Sep 26 06:26	0∘ <b>亚</b>		inferior conj	8009 Mar 25 18:51	6° <b>Y</b> 59'31	7°32'56
The state of	8006 Oct 20 15:13	0°M	1 72200 177	minimum elong	8009 Mar 25 08:20	7° <b>Y</b> 15'42	
max. Earth dist.	8006 Oct 30 18:47	12°M30'50	1.73280 AU	min. Earth dist.	8009 Mar 25 11:59	7°Υ10'05	0.26988 AU
				morning rise	8009 Mar 29 12:17	4° <b>Υ</b> 44'16	
superior conj	8006 Oct 31 13:03	13°M27'11	1°25'54		8009 Apr 09 06:02	30° <b>₹</b> ₩	
minimum elong	8006 Oct 31 13:28	13°M28'25	1°26'00	direct	8009 Apr 15 10:39	29° <b>)</b> 12′56	
	8006 Nov 13 22:57	0° <b>∡</b> 7			8009 Apr 21 18:54	0° <b>Υ</b>	
evening rise	8006 Dec 07 11:14	29° <b>∡</b> 00'56		greatest brilliancy	8009 Apr 25 00:25	0° <b>Y</b> 57'32	-4.9m
	8006 Dec 08 06:22	0°₹			8009 Jun 02 21:27	0°8	
desc. node	8006 Dec 25 15:03	21° <b>る</b> 25'20		morning max el	8009 Jun 04 20:25	1° <b>8</b> 56'57	46°51'56
	8007 Jan 01 13:51	0° <b>≈</b>		desc. node	8009 Jun 11 11:40	8° <b>8</b> 43'55	
	8007 Jan 25 21:13	0° <b>∀</b>			8009 Jul 01 02:55	$\Pi^{\circ}0$	
	8007 Feb 19 04:43	0° <b>Υ</b>			8009 Jul 27 08:09	0ංම	
	8007 Mar 15 14:18	0°8			8009 Aug 21 19:33	$0^{\circ}\Omega$	
	8007 Apr 09 06:47	$\Pi^{\circ 0}$			8009 Sep 15 21:59	0° <b>т</b> р	
asc. node	8007 Apr 17 14:19	9° <b>∏</b> 57'15		asc. node	8009 Oct 02 10:07	19° <b>m</b> 54'29	
	8007 May 04 15:15	0ಂ <b>ತಾ</b>			8009 Oct 10 17:58	0∘ <b>ত</b>	
	8007 May 31 11:43	$0^{\circ}\Omega$			8009 Nov 04 08:19	0°M₊	
evening max el	8007 Jun 11 11:00	11° <b>Ω</b> 20′03	46°31'36		8009 Nov 28 18:00	0° <b>∡</b> ¹	
	8007 Jul 02 02:45	O° My		morning set	8009 Dec 02 09:39	4° <b>∡</b> ³30′22	
greatest brilliancy	8007 Jul 20 07:47	11°Mp04'56	-4.8m		8009 Dec 23 00:21	0°₹	
retrograde	8007 Jul 31 11:38	13° Mp 22'37		max. Earth dist.	8010 Jan 06 02:47	17° <b>る</b> 29'41	1.72437 AU
desc. node	8007 Aug 07 09:01	12° Mp 24'35					
evening set	8007 Aug 15 13:14	8° Mp 54'58		superior conj	8010 Jan 08 20:49	20°る54'42	
min. Earth dist.	8007 Aug 21 02:44	5° Mp 36'03	0.28379 AU	minimum elong	8010 Jan 09 03:43	21° <b>る</b> 16'08	0°31'13
inferior conj	8007 Aug 21 19:11	5° Mp 10′28	-3°26'57		8010 Jan 16 04:19	0° <b>≈</b>	
minimum elong	8007 Aug 21 11:57	5° Mp 21'43	3°24'58	desc. node	8010 Jan 22 03:04	7° <b>≈</b> 24'01	
morning rise	8007 Aug 27 11:19	1°Mp46'27			8010 Feb 09 06:17	0° <b>ℋ</b>	
	8007 Aug 30 22:24	30° <b>ŖΩ</b>		evening rise	8010 Feb 17 00:52	9° <b>)</b> 42′13	
direct	8007 Sep 12 01:09	27° <b>Ω</b> 06′23			8010 Mar 05 06:33	$0$ ° $\mathbf{\gamma}$	
greatest brilliancy	8007 Sep 21 19:09	28° <b>Ω</b> 49'54	-4.7m		8010 Mar 29 06:12	$9^{\circ}$ 8	
	8007 Sep 24 20:29	O° My			8010 Apr 22 07:31	$\Pi^{\circ}0$	
morning max el	8007 Oct 30 18:52	26° Mp 51'25	45°41'26	asc. node	8010 May 15 02:02	28° <b>Ⅱ</b> 10′02	
	8007 Nov 03 00:53	0∘ <b>ರಾ</b>			8010 May 16 13:50	$0$ $\circ$ $\odot$	
asc. node	8007 Nov 28 08:23	26° <b>≏</b> 27'41			8010 Jun 10 05:32	$0$ $^{\circ}$ $\Omega$	
	8007 Dec 01 13:21	0°M₊			8010 Jul 05 13:28	0° m/	
	8007 Dec 27 18:58	0° <b>∡</b> ″			8010 Aug 01 04:41	0∘ <b>ত</b>	
	8008 Jan 21 23:13	0°₹		evening max el	8010 Aug 21 04:47	20° <b>≏</b> 38'49	45°48'02
	8008 Feb 15 13:36	0° <b>≈</b>			8010 Aug 31 06:12	0°M₊	
	8008 Mar 10 19:48	0° <b>∀</b>		desc. node	8010 Sep 03 20:32	3°M06'12	
desc. node	8008 Mar 19 01:19	10° <b>)</b> 14'42		greatest brilliancy	8010 Sep 28 22:32	19°M03'53	-4.7m
	8008 Apr 03 20:54	$0$ ° $\mathbf{\gamma}$		retrograde	8010 Oct 09 04:00	20°M57'27	
	8008 Apr 27 19:04	0°8		evening set	8010 Oct 27 10:10	14°M44'39	
morning set	8008 Apr 30 22:41	3° <b>8</b> 57'20		inferior conj	8010 Oct 30 17:16	12°M41'30	-8°37'39
	8008 May 21 16:30	$\Pi^{\circ}0$		minimum elong	8010 Oct 30 17:21	12°M41'22	8°37'33
				min. Earth dist.	8010 Oct 30 20:54	12°M35'46	0.29147 AU
superior conj	8008 Jun 10 00:52	24° <b>Ⅱ</b> 14'48		morning rise	8010 Nov 03 00:28	10°MJ38'01	
minimum elong	8008 Jun 10 12:13	24° <b>∏</b> 50′20		direct	8010 Nov 21 06:43	4°M23'11	
max. Earth dist.	8008 Jun 13 08:07		1.71736 AU	greatest brilliancy	8010 Dec 01 21:02	6°M25'18	-4.8m
	8008 Jun 14 15:14	$0 {\circ} \mathfrak{S}$		asc. node	8010 Dec 25 20:15	21°M45'33	
	8008 Jul 08 16:45	$0$ $^{\circ}$ $\Omega$			8011 Jan 04 01:49	0°⊀	
asc. node	8008 Jul 09 23:46	1° <b>Ω</b> 36′26		morning max el	8011 Jan 09 16:32	5° <b>҂</b> 24'17	46°05'23
evening rise	8008 Jul 19 11:03	13° <b>Ω</b> 21'52			8011 Feb 02 01:02	0°₹	
	8008 Aug 01 21:43	O° My			8011 Feb 28 05:02	0° <b>≈</b>	
	8008 Aug 26 06:45	0∘ <b>ত</b>			8011 Mar 25 06:37	0° <b>∀</b>	
	8008 Sep 19 21:11	0°M₊		desc. node	8011 Apr 16 13:28	27° <b>₩</b> 14'55	
	8008 Oct 14 19:19	0°⊀			8011 Apr 18 19:05	0°Υ	
desc. node	8008 Oct 29 17:26	17° <b>∡</b> ′42'48			8011 May 13 00:38	0°8	
	8008 Nov 09 04:31	0°ರ			8011 Jun 06 03:12	$\Pi^{\circ}0$	
	8008 Dec 05 06:17	0° <b>≈</b>			8011 Jun 30 05:36	0ංම	
	8009 Jan 01 15:24	0° <b>∀</b>		morning set	8011 Jul 14 20:05	18° <b>©</b> 08'54	
evening max el	8009 Jan 14 04:46	12° <b>) (</b> 49′37	46°30'34		8011 Jul 24 09:22	$0$ $^{\circ}$ $\Omega$	
	8009 Feb 02 03:33	0° <b>Υ</b>		asc. node	8011 Aug 07 11:45	17° <b>Ω</b> 27'55	
asc. node	8009 Feb 19 17:31	11° <b>Y</b> 28'59			8011 Aug 17 14:55	0° <b>m</b>	

superior conj	8011 Aug 21 23:02	5° mp 21'45	0°34'04		8014 Mar 04 15:55	0° <b>≈</b>	
minimum elong	8011 Aug 21 25:02 8011 Aug 21 16:03	5° My 00'10	0°33'41	morning max el	8014 Mar 21 19:42	0 ≈ 16°≈02'29	46°49'51
max. Earth dist.	8011 Aug 21 10:03 8011 Aug 23 19:20	7° Mp 38'32	1.72976 AU	morning max er	8014 Mai 21 19:42 8014 Apr 04 03:26	10 ≈02 29 0° <b>H</b>	40 49 31
max. Earm dist.	8011 Aug 23 19.20 8011 Sep 10 22:00	0° <b>ʊ</b>	1.72976 AU		8014 Apr 30 17:26	0 <del>Υ</del> 0° <b>Υ</b>	
	•			JJ.	•	0 γ 15° <b>Υ</b> 42'19	
evening rise	8011 Sep 27 16:37	20° <b>Ω</b> 40'03		desc. node	8014 May 14 01:47		
	8011 Oct 05 06:42	0°M			8014 May 26 01:00	0° <b>B</b>	
	8011 Oct 29 17:44	0° <b>∡</b>			8014 Jun 19 19:30	0° <b>Ⅱ</b>	
	8011 Nov 23 08:00	0°る			8014 Jul 14 08:44	0°©	
desc. node	8011 Nov 27 05:12	4° <b>පි</b> 43'05			8014 Aug 07 20:19	$0$ $^{\circ}$ $\Omega$	
	8011 Dec 18 02:08	0° <b>≈</b>			8014 Sep 01 07:17	0°Що	
	8012 Jan 12 00:53	0° <b>∀</b>		asc. node	8014 Sep 03 23:52	3°Mp18'14	
	8012 Feb 06 07:25	0° <b>Υ</b>		morning set	8014 Sep 22 15:29	26° m 13'09	
	8012 Mar 03 08:02	0°8			8014 Sep 25 17:16	0ಂ <b>ರ</b>	
asc. node	8012 Mar 19 04:51	17° <b>8</b> 22'59			8014 Oct 20 01:58	0°M₊	
evening max el	8012 Mar 28 00:44	26° <b>8</b> 32'24	47°00'54	max. Earth dist.	8014 Oct 28 16:21	10°M36'06	1.73292 AU
	8012 Mar 31 11:54	$\Pi$ $^{\circ}0$					
greatest brilliancy	8012 May 07 15:58	27° <b>Ⅱ</b> 43'32	-4.9m	superior conj	8014 Oct 29 06:49	11°M20'42	1°25'54
retrograde	8012 May 17 14:56	29° <b>∏</b> 36′33		minimum elong	8014 Oct 29 06:29	11°MJ19'43	1°26'00
evening set	8012 Jun 03 09:51	24° <b>∏</b> 09'44			8014 Nov 13 09:44	0° <b>∡</b> ¹	
inferior conj	8012 Jun 07 11:10	21° <b>Ⅱ</b> 42'11	7°03'00	evening rise	8014 Dec 05 03:31	26° <b>⊀</b> ¹49'22	
minimum elong	8012 Jun 07 21:59	21° <b>Ⅱ</b> 25'29	7°00'39		8014 Dec 07 17:19	0°ರ	
min. Earth dist.	8012 Jun 07 12:27	21° <b>Ⅱ</b> 40′12	0.27324 AU	desc. node	8014 Dec 24 17:05	20° <b>ප</b> 57'21	
morning rise	8012 Jun 12 10:14	18° <b>∏</b> 43'24			8015 Jan 01 01:02	0° <b>≈</b>	
direct	8012 Jun 28 04:31	13° <b>∏</b> 52'25			8015 Jan 25 08:42	0° <b>∀</b>	
greatest brilliancy	8012 Jul 08 00:36	15° <b>Ⅱ</b> 39'47	-4.8m		8015 Feb 18 16:34	$0$ $^{\circ}$ $\mathbf{\Upsilon}$	
desc. node	8012 Jul 08 23:18	16° <b>Ⅱ</b> 00'22			8015 Mar 15 02:43	$9^{\circ}$ 8	
	8012 Jul 31 03:39	0°50			8015 Apr 08 20:06	0°II	
morning max el	8012 Aug 16 16:40	14°956'17	46°08'05	asc. node	8015 Apr 16 16:21	9° <b>Ⅱ</b> 22'25	
	8012 Aug 31 13:16	$0^{\circ}\Omega$			8015 May 04 06:18	0°ಅ	
	8012 Sep 28 00:05	0° mp			8015 May 31 06:53	0°N	
	8012 Oct 24 02:00	0∘ <del>ত</del> مالا		evening max el	8015 Jun 09 03:09	9° <b>Ω</b> 05'21	46°33'16
asc. node	8012 Oct 29 22:20	° <b>-</b> 6° <b>-</b> 251'56		evening max er	8015 Jul 02 17:35	0° m	40 33 10
asc. node	8012 Oct 27 22:20 8012 Nov 18 09:23	0°M		greatest brilliancy	8015 Jul 17 23:48	8° <b>m</b> ) 50'45	-4.8m
	8012 Nov 18 09:23 8012 Dec 13 04:22	0° <b>⊼</b> ¹		retrograde	8015 Jul 29 03:45	11° Mp 08'07	-4.0111
	8012 Dec 13 04:22 8013 Jan 06 14:58	% ਨ ਹ		desc. node	8015 Aug 06 10:58	9° <b>m</b> )44'08	
	8013 Jan 30 20:03	0°≈		evening set	8015 Aug 10 10:38 8015 Aug 13 03:44	6° Mp 42'33	
mamina aat				•	-	-	2907129
morning set	8013 Feb 11 09:13	14°≈22'53		inferior conj	8015 Aug 19 10:32	2° My 56'37	
desc. node	8013 Feb 18 15:01	23°≈25'19		minimum elong	8015 Aug 19 03:53		3°05'38
	8013 Feb 23 21:18	0° <b>∀</b> 0° <b>Υ</b>		min. Earth dist.	8015 Aug 18 18:05		0.28327 AU
T d F d	8013 Mar 19 19:46		1.71216 ATT		8015 Aug 24 07:21	30°R <b>Ω</b>	
max. Earth dist.	8013 Mar 21 23:54	2 4342	1.71316 AU	morning rise	8015 Aug 25 04:46	29° <b>£</b> 29'52	
	001011 00 00 00	500000110	1000155	direct	8015 Sep 09 16:43	24° <b>£</b> 53'32	4.5
superior conj	8013 Mar 23 20:30	5°Υ03'49		greatest brilliancy	8015 Sep 19 09:17	26° <b>Ω</b> 36'11	-4.7m
minimum elong	8013 Mar 23 09:00	4° <b>Y</b> 27'39	1°09'36		8015 Sep 27 01:24	0° <b>m</b> )	
	8013 Apr 12 16:35	0°8		morning max el	8015 Oct 28 09:56	24° m 38'59	45°41'25
evening rise	8013 May 03 09:54	26° <b>8</b> 02'38		_	8015 Nov 02 21:45	0∘ <b>⊽</b>	
	8013 May 06 13:33	0°П		asc. node	8015 Nov 27 10:29	25° <b>≙</b> 50'36	
	8013 May 30 12:56	0∘ <b>ௐ</b>			8015 Dec 01 04:30	0° <b>M</b>	
asc. node	8013 Jun 11 13:51	14° <b>©</b> 58'48			8015 Dec 27 08:04	0° <b>∡</b>	
	8013 Jun 23 16:51	$0 ^{\circ} \Omega$			8016 Jan 21 11:23	0°₹	
	8013 Jul 18 03:22	0° <b>m</b> )			8016 Feb 15 01:18	0° <b>≈</b>	
	8013 Aug 11 23:23	0∘ <b>⊽</b>			8016 Mar 10 07:14	0° <b>∀</b>	
	8013 Sep 06 10:29	$0^{\circ}$ M		desc. node	8016 Mar 18 03:15	9° <b>)</b> 45′23	
desc. node	8013 Oct 01 07:51	28°№08'38			8016 Apr 03 08:08	$0$ ° $\mathbf{\gamma}$	
	8013 Oct 03 00:32	0°⊀			8016 Apr 27 06:10	$0^{\circ}S$	
evening max el	8013 Oct 31 09:58	29° <b>₹</b> 20'11	45°46'23	morning set	8016 Apr 28 09:22	1° <b>8</b> 25'25	
	8013 Nov 01 02:41	0°ප			8016 May 21 03:30	$\Pi^{\circ}0$	
greatest brilliancy	8013 Dec 09 18:10	27° <b>る</b> 35'39	-4.8m				
retrograde	8013 Dec 19 06:09	29° <b>る</b> 14'36		superior conj	8016 Jun 07 13:05	21° <b>Ⅱ</b> 48'37	-1°07'19
evening set	8014 Jan 03 13:15	24° <b>る</b> 42'47		minimum elong	8016 Jun 08 00:21	22° <b>Ⅱ</b> 23'52	1°07'05
inferior conj	8014 Jan 09 06:05	21° <b>る</b> 19'19	-3°12'34	max. Earth dist.	8016 Jun 10 22:06	26° <b>Ⅲ</b> 02′03	1.71692 AU
minimum elong	8014 Jan 09 12:58	21° <b>る</b> 08'41	3°10'25		8016 Jun 14 02:11	0°€	
min. Earth dist.	8014 Jan 10 00:33	20° <b>る</b> 50'47	0.27813 AU		8016 Jul 08 03:40	$0^{\circ}\Omega$	
morning rise	8014 Jan 15 11:58	17° <b>る</b> 36'38		asc. node	8016 Jul 09 01:41	1° <b>Ω</b> 08′26	
asc. node	8014 Jan 22 07:51	14° <b>る</b> 34'08		evening rise	8016 Jul 17 01:33	11° <b>Ω</b> 04'06	
direct	8014 Jan 30 08:37	13° <b>る</b> 14'44			8016 Aug 01 08:40	0° <b>m</b>	
greatest brilliancy	8014 Feb 10 09:49	15° <b>⋜</b> 31'45	-4.8m		8016 Aug 25 17:51	0∘ <del>⊽</del>	
_ ,					Č		

						2 50 1/1 1/22	
	8016 Sep 19 08:36	0°M₊		desc. node	8019 Apr 15 15:33	26° <b>)</b> 44′53	
	8016 Oct 14 07:19	0° <b>⊼</b>			8019 Apr 18 06:52	$0^{\circ}$ Y	
desc. node	8016 Oct 28 19:33	17° <b>√</b> 12'12			8019 May 12 12:03	$9^{\circ}$ 8	
	8016 Nov 08 17:33	0°る			8019 Jun 05 14:21	$\Pi$ $^{\circ}0$	
	8016 Dec 04 21:17	0° <b>≈</b>			8019 Jun 29 16:30	$0$ $\circ$ $\odot$	
	8017 Jan 01 10:55	0° <b>∀</b>		morning set	8019 Jul 12 10:39	15° <b>©</b> 51'29	
evening max el	8017 Jan 11 18:04	10° <b>) (</b> 26'47	46°28'37	C	8019 Jul 23 20:06	$0^{\circ}\Omega$	
o ronning man or	8017 Feb 02 18:38	0°Υ	.0 2037	asc. node	8019 Aug 06 13:38	17° <b>Ω</b> 00'46	
asc. node	8017 Feb 18 19:26	9° <b>Υ</b> 43'22		asc. node	8019 Aug 17 01:31	0°m	
			4.0		6019 Aug 17 01.51	עוו ט	
greatest brilliancy	8017 Feb 20 19:15	10° <b>Y</b> 29′26	-4.9m				
retrograde	8017 Mar 02 16:27	12° <b>Y</b> 19′07		superior conj	8019 Aug 19 15:11	3° Mp 10'35	0°30'55
evening set	8017 Mar 18 12:55	7° <b>℃</b> 24'57		minimum elong	8019 Aug 19 08:43	2° Mp 50'36	0°30'33
inferior conj	8017 Mar 23 07:32	4° <b>Ƴ</b> 33'03	7°18'31	max. Earth dist.	8019 Aug 21 12:01	5° <b>™</b> 29'07	1.72942 AU
minimum elong	8017 Mar 22 20:45	4° <b>Ƴ</b> 49'40	7°16'23		8019 Sep 10 08:35	0∘ <b>ত</b>	
min. Earth dist.	8017 Mar 23 01:17	4° <b>Ƴ</b> 42'40	0.26985 AU	evening rise	8019 Sep 25 10:15	18° <b>≏</b> 33'58	
morning rise	8017 Mar 27 04:35	2° <b>Υ</b> 12'15		C	8019 Oct 04 17:22	0°M	
morning rise	8017 Mar 31 06:25	30° <b>₹</b>			8019 Oct 29 04:35	0° <b>⊼</b> 7	
direct		26° <b>)</b> (46'20			8019 Nov 22 19:12	%ਰ	
direct	8017 Apr 12 23:02		4.0				
greatest brilliancy	8017 Apr 22 14:25	28° <b>)</b> (31'50	-4.9m	desc. node	8019 Nov 26 07:13	4°る15'05	
	8017 Apr 26 05:16	$0^{\circ}\mathbf{\Upsilon}$			8019 Dec 17 13:51	0° <b>≈</b>	
morning max el	8017 Jun 02 08:10	29° <b>Ƴ</b> 28'18	46°53'00		8020 Jan 11 13:25	0° <b>∀</b>	
	8017 Jun 02 20:47	$9^{\circ}$ 8			8020 Feb 05 21:19	$0^{\circ}\mathbf{\Upsilon}$	
desc. node	8017 Jun 10 13:40	7° <b>8</b> 55'35			8020 Mar 03 00:37	$9^{\circ}$ 8	
	8017 Jun 30 19:24	$\Pi^{\circ}0$		asc. node	8020 Mar 18 06:53	16° <b>8</b> 36'18	
	8017 Jul 26 22:03	0°ಅ		evening max el	8020 Mar 25 13:56	24° <b>8</b> 08'12	47°00'45
	8017 Aug 21 08:04	$0^{\circ}\Omega$		evening man er	8020 Mar 31 12:14	0°II	., 00 .5
	-	0° <b>m</b>		araataat brillianay		25° <b>Ⅱ</b> 20'31	-4.9m
,	8017 Sep 15 09:41			greatest brilliancy	8020 May 05 05:53		-4.9m
asc. node	8017 Oct 01 12:06	19° Mp 26'07		retrograde	8020 May 15 04:52	27° <b>Ⅱ</b> 13'48	
	8017 Oct 10 05:10	0∘ <b>ত</b>		evening set	8020 Jun 01 02:45	21° <b>∏</b> 41'38	
	8017 Nov 03 19:13	$0^{\circ}$ M		inferior conj	8020 Jun 05 00:32	19° <b>Ⅱ</b> 19'30	7°17'46
	8017 Nov 28 04:45	0° <b>∡</b> ¹		minimum elong	8020 Jun 05 11:12	19° <b>Ⅱ</b> 03'04	7°15'34
morning set	8017 Nov 30 02:42	2° <b>∡</b> ¹21'45		min. Earth dist.	8020 Jun 05 01:51	19° <b>Ⅱ</b> 17'29	0.27312 AU
	8017 Dec 22 11:03	0°ප		morning rise	8020 Jun 09 19:44	16° <b>Ⅱ</b> 26'33	
max. Earth dist.	8018 Jan 03 18:50	15°る17'15	1.72482 AU	direct	8020 Jun 25 17:39	11° <b>Ⅱ</b> 29'43	
				greatest brilliancy	8020 Jul 05 13:31	13° <b>Ⅱ</b> 17'23	-4.8m
superior conj	8018 Jan 06 11:56	18° <b>ප</b> 39'21	0°34'39	desc. node	8020 Jul 08 01:14	14° <b>Ⅱ</b> 15'01	4.0111
	8018 Jan 06 19:24			desc. node		0°95	
minimum elong		19° <b>る</b> 02'30	0°34'26		8020 Jul 31 12:20		
	8018 Jan 15 15:04	0° <b>≈</b>		morning max el	8020 Aug 14 07:38	12° <b>©</b> 40'19	46°09'44
desc. node	8018 Jan 21 04:58	6°≈56'22			8020 Aug 31 07:23	$0$ $^{\circ}$ $\Omega$	
	8018 Feb 08 17:09	0° <b>ℋ</b>			8020 Sep 27 14:19	0° <b>m</b> y	
evening rise	8018 Feb 14 14:10	7° <b>₩</b> 19'48			8020 Oct 23 14:29	0∘ <b>ত</b>	
	8018 Mar 04 17:36	$0^{\circ}\mathbf{\Upsilon}$		asc. node	8020 Oct 29 00:23	6° <b>£</b> 21'57	
	8018 Mar 28 17:27	0°8			8020 Nov 17 20:57	0° <b>M</b>	
	8018 Apr 21 19:01	0° <b>I</b> I			8020 Dec 12 15:26	0° <b>∡</b> ¹	
asc. node	8018 May 14 04:04	27° <b>I</b> I39'52			8021 Jan 06 01:47	0°ਰ	
asc. node	•	0°95				0°≈	
	8018 May 16 01:43			. ,	8021 Jan 30 06:45		
	8018 Jun 09 18:05	$\Omega^{\circ}\Omega$		morning set	8021 Feb 08 22:25	12°≈01'07	
	8018 Jul 05 03:19	0° <b>т</b> р		desc. node	8021 Feb 17 17:02	22°≈58'14	
	8018 Jul 31 21:34	0∘ <b>ಹ</b>			8021 Feb 23 07:59	0° <b>∀</b>	
evening max el	8018 Aug 18 18:56	18° <b>≏</b> 23'23	45°49'06		8021 Mar 19 06:25	$0$ ° $\Upsilon$	
	8018 Aug 31 10:07	0°M		max. Earth dist.	8021 Mar 19 11:04	0° <b>Ƴ</b> 14'35	1.71337 AU
desc. node	8018 Sep 02 22:29	2°M06'59					
greatest brilliancy	8018 Sep 26 13:45	16°M53'58	-4.7m	superior conj	8021 Mar 21 07:56	2° <b>Y</b> 35'27	-1°07'31
retrograde	8018 Oct 06 20:00	18° <b>M</b> 48'45		minimum elong	8021 Mar 20 20:13	1° <b>Y</b> ′58'40	
evening set	8018 Oct 25 01:34	12°M36'52		minimum crong	8021 Apr 12 03:15	0°8	1 07 05
inferior conj	8018 Oct 28 09:39	12 IIC30 32 10°M32'24	Q027!15	evening rise	8021 Apr 30 20:55	23° <b>8</b> 32'59	
·				evening rise	•		
minimum elong	8018 Oct 28 08:57	10°M33'29	8°37'10		8021 May 06 00:17	0° <b>I</b>	
min. Earth dist.	8018 Oct 28 12:21	10°M28'08	0.29158 AU		8021 May 29 23:46	0ა <b>ௐ</b>	
morning rise	8018 Oct 31 16:17	8°M29'51		asc. node	8021 Jun 10 15:45	14° <b>©</b> 30'48	
direct	8018 Nov 18 22:30	2°M13'58			8021 Jun 23 03:53	$0$ $^{\circ}\Omega$	
greatest brilliancy	8018 Nov 29 13:08	4°M15'59	-4.8m		8021 Jul 17 14:44	0° <b>™</b>	
asc. node	8018 Dec 24 22:06	20°M46'35			8021 Aug 11 11:21	0∘ <b>ত</b>	
	8019 Jan 04 01:18	0° <b>⊼</b> ¹			8021 Sep 05 23:37	0°M	
morning max el	8019 Jan 07 07:29	3° <b>х</b> 09'45	46°04'04	desc. node	8021 Sep 30 09:58	27°M32'13	
	8019 Feb 01 16:58	0° <b>ろ</b>		3000. 11000	8021 Oct 02 16:13	27 11032 13 0° <b>⊼</b> ¹	
				avanina ma1			15015120
	8019 Feb 27 18:31	0° <b>≈</b>		evening max el	8021 Oct 29 01:29	27° <b>₹</b> 08'56	43 43 38
	8019 Mar 24 19:00	0° <b>∀</b>			8021 Nov 01 02:00	0°ප	

greatest brilliancy	8021 Dec 07 08:00	25° <b>♂</b> 19'56	-4.8m	superior conj	8024 Jun 05 01:31	19° <b>Ⅲ</b> 23'58	-1°09'41
retrograde	8021 Dec 16 20:35	26° <b>る</b> 58'46		minimum elong	8024 Jun 05 12:37	19° <b>∏</b> 58'43	1°09'30
evening set	8022 Jan 01 06:03	22° <b>る</b> 23'35		max. Earth dist.	8024 Jun 08 09:42	23° <b>Ⅱ</b> 34'57	1.71645 AU
inferior conj	8022 Jan 06 20:36	19° <b>る</b> 02'43	-3°32'50		8024 Jun 13 12:48	0ಂಣ	
minimum elong	8022 Jan 07 04:04	18° <b>る</b> 51'09	3°30'33		8024 Jul 07 14:15	$0^{\circ}\Omega$	
min. Earth dist.	8022 Jan 07 15:14	18° <b>る</b> 33'52	0.27869 AU	asc. node	8024 Jul 08 03:37	0° <b>Ω</b> 41'34	
morning rise	8022 Jan 13 01:29	15° <b>る</b> 21'15		evening rise	8024 Jul 14 16:08	8° <b>Ω</b> 47'32	
asc. node	8022 Jan 21 09:49	11° <b>る</b> 51'02			8024 Jul 31 19:17	0° <b>™</b>	
direct	8022 Jan 28 00:14	10°る57'33			8024 Aug 25 04:39	0∘ <b>⊽</b>	
greatest brilliancy	8022 Feb 08 00:44	13° <b>る</b> 14'00	-4.8m		8024 Sep 18 19:45	$0^{\circ}$ M	
	8022 Mar 04 23:01	0° <b>≈</b>			8024 Oct 13 19:06	0°⊀	
morning max el	8022 Mar 19 10:59	13° <b>≈</b> 45′08	46°48'43	desc. node	8024 Oct 27 21:28	16° <b>∡</b> ¹41'37	
	8022 Apr 03 21:19	0° <b>ℋ</b>			8024 Nov 08 06:26	0°ප	
	8022 Apr 30 07:48	$0$ ° $\mathbf{\gamma}$			8024 Dec 04 12:14	0° <b>≈</b>	
desc. node	8022 May 13 03:45	15° <b>Ƴ</b> 08'19			8025 Jan 01 06:43	0° <b>∀</b>	
	8022 May 25 13:46	0°8		evening max el	8025 Jan 09 06:49	8° <b>)</b> €03'37	46°26'54
	8022 Jun 19 07:22	$\Pi^{\circ}0$			8025 Feb 03 14:12	0° <b>Υ</b>	
	8022 Jul 13 20:03	0°छ		asc. node	8025 Feb 17 21:30	7° <b>Y</b> ′54'59	
	8022 Aug 07 07:16	$0$ $^{\circ}$ $\Omega$		greatest brilliancy	8025 Feb 18 08:43	8° <b>Y</b> 05'08	-4.9m
	8022 Aug 31 17:57	0°Щ		retrograde	8025 Feb 28 04:39	9° <b>Y</b> ′54'02	
asc. node	8022 Sep 03 01:54	2° <b>m</b> 51'47		evening set	8025 Mar 15 21:44	5° <b>Y</b> ′05'37	
morning set	8022 Sep 20 08:32	24° m 05'43		inferior conj	8025 Mar 20 20:26	2° <b>Y</b> ′08'13	7°03'19
	8022 Sep 25 03:46	0∘ <b>⊽</b>		minimum elong	8025 Mar 20 09:27	2°Υ25'06	7°01'02
T 4 1	8022 Oct 19 12:22	0°M	1 52200 1 11	min. Earth dist.	8025 Mar 20 14:54	2°Υ16'43	0.26984 AU
max. Earth dist.	8022 Oct 26 12:19	8°11L37/37/	1.73298 AU		8025 Mar 24 08:50	30° <b>₹</b>	
	0000 0 4 07 00 07	0070 15101	1005145	morning rise	8025 Mar 24 21:06	29° <b>)</b> (42'02	
superior conj	8022 Oct 27 00:27	9°M15'01		direct	8025 Apr 10 11:23	24° <b>)</b> (21'02	4.0
minimum elong	8022 Oct 26 23:25	9°M11'49	1°25′53	greatest brilliancy	8025 Apr 20 04:57	26° <b>)</b> €08'04 0° <b>°</b>	-4.9m
	8022 Nov 12 20:10	0°⊀ <sup>7</sup>			8025 Apr 28 10:05		46954100
evening rise	8022 Dec 02 19:46	24°♂38'55 0°♂		morning max el	8025 May 30 20:38	27° <b>Y</b> 02'13 0° <b>と</b>	46°54'00
desc. node	8022 Dec 07 03:53	0°る 20°る30'07		desc. node	8025 Jun 02 18:51	7° <b>8</b> 08'30	
desc. node	8022 Dec 23 18:56 8022 Dec 31 11:49	20 <b>3</b> 3007 0° <b>≈</b>		desc. node	8025 Jun 09 15:33 8025 Jun 30 11:20	7 <b>О</b> 08 30	
	8022 Dec 31 11:49 8023 Jan 24 19:47	0 <b>≫</b>			8025 Jul 26 11:34	0°©	
	8023 Feb 18 04:04	0° <b>Υ</b>			8025 Aug 20 20:17	0°Ω	
	8023 Mar 14 14:47	0°8			8025 Sep 14 21:07	0° <b>m</b> )	
	8023 Apr 08 09:06	0°II		asc. node	8025 Sep 30 14:07	18° <b>m</b> 58'32	
asc. node	8023 Apr 15 18:25	8° <b>∏</b> 48'48		use. Houe	8025 Oct 09 16:08	0° <b>ರ</b>	
use. Houe	8023 May 03 21:04	0°9			8025 Nov 03 05:56	0° <b>™</b>	
	8023 May 31 02:02	$0^{\circ}\Omega$		morning set	8025 Nov 27 19:39	0° <b>√</b> 13'11	
evening max el	8023 Jun 06 18:49	6° <b>Ω</b> 50'45	46°34'49		8025 Nov 27 15:22	0° <b>⊼</b> 7	
Č	8023 Jul 03 12:39	0° <b>m</b> p			8025 Dec 21 21:40	0°ಕ	
greatest brilliancy	8023 Jul 15 16:24	6° m 38'39	-4.8m	max. Earth dist.	8026 Jan 01 11:54	13° <b>ප්</b> 08'16	1.72525 AU
retrograde	8023 Jul 26 19:28	8° <b>m</b> 54'55					
desc. node	8023 Aug 05 12:56	7° <b>m</b> 00'17		superior conj	8026 Jan 04 02:55	16° <b>පි</b> 23'51	0°37'51
evening set	8023 Aug 10 18:29	4° <b>m</b> /31'17		minimum elong	8026 Jan 04 10:53	16° <b>る</b> 48'35	0°37'37
min. Earth dist.	8023 Aug 16 09:51	1° <b>m</b> 09'18	0.28279 AU		8026 Jan 15 01:43	0° <b>≈</b>	
inferior conj	8023 Aug 17 01:57	0° <b>™</b> 44'11	-2°47'42	desc. node	8026 Jan 20 06:58	6° <b>≈</b> 29'23	
minimum elong	8023 Aug 16 19:55	0° <b>т</b> 53'35	2°46'02		8026 Feb 08 03:55	0° <b>)</b> €	
	8023 Aug 18 06:22	$30^\circ$ R $\Omega$		evening rise	8026 Feb 12 03:22	4° <b>)</b> €57'38	
morning rise	8023 Aug 22 22:07	27° <b>Ω</b> 14'38			8026 Mar 04 04:31	$0$ ° $\Upsilon$	
direct	8023 Sep 07 08:02	22° <b>Ω</b> 42'01			8026 Mar 28 04:35	$9^{\circ}$ 8	
greatest brilliancy	8023 Sep 16 23:53	24° <b>Ω</b> 23'55	-4.7m		8026 Apr 21 06:26	$\Pi$ °0	
	8023 Sep 28 11:20	O° My		asc. node	8026 May 13 05:56	27° <b>Ⅱ</b> 09'27	
morning max el	8023 Oct 26 00:21	22° <b>m</b> 25'47	45°41'26		8026 May 15 13:33	0ა <b>ௐ</b>	
	8023 Nov 02 17:34	0∘ <b>ಹ</b>			8026 Jun 09 06:38	$0$ $^{\circ}$ $\Omega$	
asc. node	8023 Nov 26 12:21	25° <b>≏</b> 14'04			8026 Jul 04 17:15	0° <b>™</b>	
	8023 Nov 30 19:08	0°M			8026 Jul 31 14:44	0° <b>⊽</b>	45050110
	8023 Dec 26 20:45	0° <b>⊼</b>		evening max el	8026 Aug 16 09:41	16° <b>Ω</b> 09'37	45°50'18
	8024 Jan 20 23:09	5°0		1 1	8026 Aug 31 15:55	0°M	
	8024 Feb 14 12:35	0° <b>≈</b>		desc. node	8026 Sep 02 00:36	1°M06'51	4.7
d 1	8024 Mar 09 18:15	0° <b>)</b> (		greatest brilliancy	8026 Sep 24 04:13	14°M43'26	-4.7m
desc. node	8024 Mar 17 05:16	9° <b>)</b> 17′26		retrograde	8026 Oct 04 12:24	16°M40'14	
	8024 Apr 02 19:00	0°Υ 20°Υ54121		evening set	8026 Oct 22 16:33	10°M29'35	0026102
morning set	8024 Apr 25 20:04	28° <b>Y</b> 54'31		inferior conj	8026 Oct 26 01:58	8°M23'16	
	8024 Apr 26 16:55	0°B 0°B		minimum elong	8026 Oct 26 00:30	8°M25'35 8°M21'00	
	8024 May 20 14:11	υщ		min. Earth dist.	8026 Oct 26 03:25	o 11621 00	0.27107 AU

	8026 Oct 29 08:23	6° <b>M</b> 21'14		aca mada	8029 Jun 09 17:43	14°901'59	
morning rise				asc. node			
direct	8026 Nov 16 14:36	0°M04'44			8029 Jun 22 15:16	$\Omega^{\circ}\Omega$	
greatest brilliancy	8026 Nov 27 04:52	2°M06'28	-4.7m		8029 Jul 17 02:28	0° <b>m</b> )	
asc. node	8026 Dec 24 00:07	19° <b>™</b> 49'10			8029 Aug 10 23:43	0∘ <b>⊽</b>	
	8027 Jan 03 23:51	0° <b>∡</b> ¹			8029 Sep 05 13:14	0° <b>™</b>	
morning max el	8027 Jan 04 23:19	0° <b>∡</b> ′57′24	46°02'37	desc. node	8029 Sep 29 11:55	26°M53'53	
	8027 Feb 01 08:44	0°る			8029 Oct 02 08:35	0° <b>∡</b> 7	
	8027 Feb 27 08:00	0° <b>≈</b>		evening max el	8029 Oct 26 16:54	24° <b>∡</b> 56′25	45°44'53
	8027 Mar 24 07:24	0° <b>∀</b>			8029 Nov 01 02:53	0°る	
desc. node	8027 Apr 14 17:32	26° <b>∺</b> 14′28		greatest brilliancy	8029 Dec 04 22:28	23° <b>る</b> 04'17	-4.8m
	8027 Apr 17 18:40	$0$ ° $\Upsilon$		retrograde	8029 Dec 14 10:36	24° <b>る</b> 42'21	
	8027 May 11 23:28	$9^{\circ}$ 8		evening set	8029 Dec 29 23:03	20° <b>る</b> 03'50	
	8027 Jun 05 01:30	$\Pi$ $\circ 0$		inferior conj	8030 Jan 04 11:15	16° <b>る</b> 45'48	-3°52'28
	8027 Jun 29 03:27	$0$ $\circ$ $\odot$		minimum elong	8030 Jan 04 19:16	16° <b>る</b> 33'22	3°50'05
morning set	8027 Jul 10 01:06	13° <b>©</b> 33'28		min. Earth dist.	8030 Jan 05 06:16	16° <b>る</b> 16'18	0.27925 AU
	8027 Jul 23 06:54	$0^{\circ}\Omega$		morning rise	8030 Jan 10 14:53	13° <b>る</b> 05'34	
asc. node	8027 Aug 05 15:42	16° <b>Ω</b> 33'53		asc. node	8030 Jan 20 11:52	9° <b>る</b> 12'30	
	8027 Aug 16 12:14	0° <b>m</b> )		direct	8030 Jan 25 15:38	8° <b>ප</b> 40'03	
		•		greatest brilliancy	8030 Feb 05 15:56	10° <b>る</b> 55'56	-4.8m
superior conj	8027 Aug 17 07:16	0° m 58'52	0°27'43	· ·	8030 Mar 05 04:20	0° <b>≈</b>	
minimum elong	8027 Aug 17 01:23	0° m/40'39		morning max el	8030 Mar 17 01:19	11° <b>≈</b> 24'17	46°47'20
max. Earth dist.	8027 Aug 19 05:12	3° m/20'51	1.72910 AU	. <i>&amp;</i>	8030 Apr 03 15:14	0° <b>)</b> €	
man. Darun dige.	8027 Sep 09 19:16	0∘ <b>⊽</b>	1.,2,10110		8030 Apr 29 22:28	0° <b>Υ</b>	
evening rise	8027 Sep 23 03:59	ა <b>—</b> 16° <b>ჲ</b> 27'57		desc. node	8030 May 12 05:38	14° <b>Υ</b> 32'46	
evening rise	8027 Oct 04 04:07	0°M		dese. Hode	8030 May 25 02:55	0°8	
	8027 Oct 28 15:31	0° <b>⊼</b> ¹			8030 Jun 18 19:40	0°II	
	8027 Nov 22 06:31	0°る			8030 Jul 13 07:47	0°©	
JJ.		0 3 3° <b>る</b> 46'21				0°Ω	
desc. node	8027 Nov 25 09:08	3 <b>3</b> 4621 0° <b>≈</b>			8030 Aug 06 18:36		
	8027 Dec 17 01:46			1	8030 Aug 31 05:01	0°M)	
	8028 Jan 11 02:15	0° <b>)</b> €		asc. node	8030 Sep 02 03:50	2° m/23'51	
	8028 Feb 05 11:37	0° <b>Υ</b>		morning set	8030 Sep 18 01:27	21° T 56'39	
	8028 Mar 02 17:50	0°8			8030 Sep 24 14:38	0∘ <b>⊽</b>	
asc. node	8028 Mar 17 08:56	15° <b>8</b> 48'02			8030 Oct 18 23:11	0° <b>M</b>	
evening max el	8028 Mar 23 04:08	21° <b>8</b> 45'50	47°00'42				
	8028 Mar 31 14:11	$0$ ° $\Pi$		superior conj	8030 Oct 24 18:09		1°25'33
greatest brilliancy	8028 May 02 19:27	22° <b>Ⅱ</b> 56'24	-4.9m	mainimassma alama			1°25'38
	00201114, 02 17.27		-4.7111	minimum elong	8030 Oct 24 16:25	7° <b>™</b> 02'57	
retrograde	8028 May 12 19:07	24° <b>Ⅱ</b> 50′04	<del>-4</del> .9III	max. Earth dist.	8030 Oct 24 16:25 8030 Oct 24 06:33	6°M32'30	1.73304 AU
retrograde evening set	•		-4.9111	•			
•	8028 May 12 19:07	24° <b>Ⅱ</b> 50′04		•	8030 Oct 24 06:33	6°M32'30 0°⊀ 22°⊀27'43	
evening set	8028 May 12 19:07 8028 May 29 19:38	24° <b>∏</b> 50'04 19° <b>∏</b> 12'41		max. Earth dist.	8030 Oct 24 06:33 8030 Nov 12 07:01	6°M32'30 0°⊀	
evening set inferior conj	8028 May 12 19:07 8028 May 29 19:38 8028 Jun 02 13:50	24°Ⅲ50'04 19°Ⅲ12'41 16°Ⅲ55'50	7°31'45	max. Earth dist.	8030 Oct 24 06:33 8030 Nov 12 07:01 8030 Nov 30 12:09	6°M32'30 0°⊀ 22°⊀27'43	
evening set inferior conj minimum elong	8028 May 12 19:07 8028 May 29 19:38 8028 Jun 02 13:50 8028 Jun 03 00:14	24°Д50'04 19°Д12'41 16°Д55'50 16°Д39'49	7°31'45 7°29'44	max. Earth dist.	8030 Oct 24 06:33 8030 Nov 12 07:01 8030 Nov 30 12:09 8030 Dec 06 14:51	6°M32'30 0°♂ 22°♂27'43 0°♂	
evening set inferior conj minimum elong min. Earth dist.	8028 May 12 19:07 8028 May 29 19:38 8028 Jun 02 13:50 8028 Jun 03 00:14 8028 Jun 02 14:46	24°Д50'04 19°Д12'41 16°Д55'50 16°Д39'49 16°Д54'23	7°31'45 7°29'44	max. Earth dist.	8030 Oct 24 06:33 8030 Nov 12 07:01 8030 Nov 30 12:09 8030 Dec 06 14:51 8030 Dec 22 20:59	6°M32'30 0°ダ 22°ダ27'43 0°उ 20°उ02'15	
evening set inferior conj minimum elong min. Earth dist. morning rise	8028 May 12 19:07 8028 May 29 19:38 8028 Jun 02 13:50 8028 Jun 03 00:14 8028 Jun 02 14:46 8028 Jun 07 05:00	24°Д50'04 19°Д12'41 16°Д55'50 16°Д39'49 16°Д54'23 14°Д08'58	7°31'45 7°29'44	max. Earth dist.	8030 Oct 24 06:33 8030 Nov 12 07:01 8030 Nov 30 12:09 8030 Dec 06 14:51 8030 Dec 22 20:59 8030 Dec 30 23:00	6°肌32'30 0°♂ 22°♂27'43 0°♂ 20°♂02'15 0°≈	
evening set inferior conj minimum elong min. Earth dist. morning rise direct	8028 May 12 19:07 8028 May 29 19:38 8028 Jun 02 13:50 8028 Jun 03 00:14 8028 Jun 02 14:46 8028 Jun 07 05:00 8028 Jun 23 07:10	24°Д50'04 19°Д12'41 16°Д55'50 16°Д39'49 16°Д54'23 14°Д08'58 9°Д06'18	7°31'45 7°29'44 0.27297 AU	max. Earth dist.	8030 Oct 24 06:33 8030 Nov 12 07:01 8030 Nov 30 12:09 8030 Dec 06 14:51 8030 Dec 22 20:59 8030 Dec 30 23:00 8031 Jan 24 07:16	6°M32'30 0°♂ 22°♂27'43 0°♂ 20°♂02'15 0°≈ 0°∺	
evening set inferior conj minimum elong min. Earth dist. morning rise direct greatest brilliancy	8028 May 12 19:07 8028 May 29 19:38 8028 Jun 02 13:50 8028 Jun 03 00:14 8028 Jun 02 14:46 8028 Jun 07 05:00 8028 Jun 23 07:10 8028 Jul 03 01:41	24° II 50'04 19° II 12'41 16° II 55'50 16° II 39'49 16° II 54'23 14° II 08'58 9° II 06'118 10° II 53'23	7°31'45 7°29'44 0.27297 AU	max. Earth dist.	8030 Oct 24 06:33 8030 Nov 12 07:01 8030 Nov 30 12:09 8030 Dec 06 14:51 8030 Dec 22 20:59 8030 Dec 30 23:00 8031 Jan 24 07:16 8031 Feb 17 15:57	6°№32'30 0°♂ 22°♂27'43 0°♂ 20°♂02'15 0°≈ 0°升 0°Ŷ	
evening set inferior conj minimum elong min. Earth dist. morning rise direct greatest brilliancy	8028 May 12 19:07 8028 May 29 19:38 8028 Jun 02 13:50 8028 Jun 03 00:14 8028 Jun 02 14:46 8028 Jun 07 05:00 8028 Jun 23 07:10 8028 Jul 03 01:41 8028 Jul 07 03:19	24° II 50'04 19° II 12'41 16° II 55'50 16° II 39'49 16° II 54'23 14° II 08'58 9° II 06'18 10° II 53'23 12° II 33'06	7°31'45 7°29'44 0.27297 AU	max. Earth dist.	8030 Oct 24 06:33 8030 Nov 12 07:01 8030 Nov 30 12:09 8030 Dec 06 14:51 8030 Dec 22 20:59 8030 Dec 30 23:00 8031 Jan 24 07:16 8031 Feb 17 15:57 8031 Mar 14 03:18	6°M32'30 0°♂ 22°♂27'43 0°♂ 20°♂02'15 0°≈ 0°升 0°Y 0°∀	
evening set inferior conj minimum elong min. Earth dist. morning rise direct greatest brilliancy desc. node	8028 May 12 19:07 8028 May 29 19:38 8028 Jun 02 13:50 8028 Jun 03 00:14 8028 Jun 02 14:46 8028 Jun 07 05:00 8028 Jun 23 07:10 8028 Jul 03 01:41 8028 Jul 07 03:19 8028 Jul 31 18:50	24° Д 50'04 19° Д 12'41 16° Д 55'50 16° Д 39'49 16° Д 54'23 14° Д 08'58 9° Д 06'18 10° Д 53'23 12° Д 33'06 0° С	7°31'45 7°29'44 0.27297 AU -4.8m	max. Earth dist. evening rise desc. node	8030 Oct 24 06:33 8030 Nov 12 07:01 8030 Nov 30 12:09 8030 Dec 06 14:51 8030 Dec 22 20:59 8030 Dec 30 23:00 8031 Jan 24 07:16 8031 Feb 17 15:57 8031 Mar 14 03:18 8031 Apr 07 22:39	6°™32'30 0°҂ 22°҂27'43 0°♂ 20°♂02'15 0°≈ 0°भ 0°भ 0°भ 0°Ы 0°Ы	
evening set inferior conj minimum elong min. Earth dist. morning rise direct greatest brilliancy desc. node	8028 May 12 19:07 8028 May 29 19:38 8028 Jun 02 13:50 8028 Jun 03 00:14 8028 Jun 02 14:46 8028 Jun 07 05:00 8028 Jun 23 07:10 8028 Jul 03 01:41 8028 Jul 07 03:19 8028 Jul 31 18:50 8028 Aug 11 22:48	24°	7°31'45 7°29'44 0.27297 AU -4.8m	max. Earth dist. evening rise desc. node	8030 Oct 24 06:33 8030 Nov 12 07:01 8030 Nov 30 12:09 8030 Dec 06 14:51 8030 Dec 22 20:59 8030 Dec 30 23:00 8031 Jan 24 07:16 8031 Feb 17 15:57 8031 Mar 14 03:18 8031 Apr 07 22:39 8031 Apr 14 20:15	6°™32'30 0°҂ 22°҂27'43 0°♂ 20°♂02'15 0°₩ 0°ዅ 0°₩ 0°™ 8°™12'53	
evening set inferior conj minimum elong min. Earth dist. morning rise direct greatest brilliancy desc. node	8028 May 12 19:07 8028 May 29 19:38 8028 Jun 02 13:50 8028 Jun 03 00:14 8028 Jun 02 14:46 8028 Jun 07 05:00 8028 Jun 03 01:41 8028 Jul 03 01:41 8028 Jul 07 03:19 8028 Jul 31 18:50 8028 Aug 11 22:48 8028 Aug 31 01:19 8028 Sep 27 04:38	24° II 50'04 19° II 12'41 16° II 55'50 16° II 39'49 16° II 54'23 14° II 08'58 9° II 06'18 10° II 53'23 12° II 33'06 0° II 0° II 53'23	7°31'45 7°29'44 0.27297 AU -4.8m	max. Earth dist. evening rise desc. node	8030 Oct 24 06:33 8030 Nov 12 07:01 8030 Nov 30 12:09 8030 Dec 06 14:51 8030 Dec 22 20:59 8030 Dec 30 23:00 8031 Jan 24 07:16 8031 Feb 17 15:57 8031 Mar 14 03:18 8031 Apr 07 22:39 8031 Apr 14 20:15 8031 May 03 12:35 8031 May 30 22:27	6°M32'30 0°₹ 22°₹27'43 0°₹ 20°₹02'15 0°≈ 0°¥ 0°Y 0°\$ 0°I 8°II12'53 0°\$ 0°Ω	
evening set inferior conj minimum elong min. Earth dist. morning rise direct greatest brilliancy desc. node morning max el	8028 May 12 19:07 8028 May 29 19:38 8028 Jun 02 13:50 8028 Jun 03 00:14 8028 Jun 02 14:46 8028 Jun 07 05:00 8028 Jun 03 01:41 8028 Jul 03 01:41 8028 Jul 07 03:19 8028 Jul 31 18:50 8028 Aug 11 22:48 8028 Aug 31 01:19 8028 Sep 27 04:38 8028 Oct 23 03:08	24°	7°31'45 7°29'44 0.27297 AU -4.8m	max. Earth dist. evening rise desc. node	8030 Oct 24 06:33 8030 Nov 12 07:01 8030 Nov 30 12:09 8030 Dec 06 14:51 8030 Dec 22 20:59 8030 Dec 30 23:00 8031 Jan 24 07:16 8031 Feb 17 15:57 8031 Mar 14 03:18 8031 Apr 07 22:39 8031 Apr 14 20:15 8031 May 03 12:35 8031 May 30 22:27 8031 Jun 04 09:29	6°M32'30 0° ₹ 22° ₹27'43 0° ₹ 20° ₹02'15 0° ≈ 0° ¥ 0° ¥ 0° ¥ 0° ¥ 0° ¶ 8° ¶12'53 0° ♀ 0° Ω 4° Ω31'46	1.73304 AU
evening set inferior conj minimum elong min. Earth dist. morning rise direct greatest brilliancy desc. node	8028 May 12 19:07 8028 May 29 19:38 8028 Jun 02 13:50 8028 Jun 03 00:14 8028 Jun 02 14:46 8028 Jun 07 05:00 8028 Jun 03 01:41 8028 Jul 03 01:41 8028 Jul 07 03:19 8028 Jul 31 18:50 8028 Aug 11 22:48 8028 Aug 31 01:19 8028 Sep 27 04:38 8028 Oct 23 03:08 8028 Oct 28 02:15	24° II 50'04 19° II 12'41 16° II 55'50 16° II 39'49 16° II 54'23 14° II 08'58 9° II 06'18 10° II 53'23 12° II 33'06 0° II 0° II	7°31'45 7°29'44 0.27297 AU -4.8m	max. Earth dist. evening rise desc. node asc. node	8030 Oct 24 06:33 8030 Nov 12 07:01 8030 Nov 30 12:09 8030 Dec 06 14:51 8030 Dec 22 20:59 8030 Dec 30 23:00 8031 Jan 24 07:16 8031 Feb 17 15:57 8031 Mar 14 03:18 8031 Apr 07 22:39 8031 Apr 14 20:15 8031 May 03 12:35 8031 May 03 22:27 8031 Jun 04 09:29 8031 Jul 04 16:09	6°M32'30 0° ₹ 22° ₹27'43 0° ₹ 20° ₹02'15 0° ≈ 0° ¥ 0° ¥ 0° ¥ 0° ¶ 8° ¶12'53 0° ♀ 0° Ω 4° Ω31'46 0° №	1.73304 AU 46°36'19
evening set inferior conj minimum elong min. Earth dist. morning rise direct greatest brilliancy desc. node morning max el	8028 May 12 19:07 8028 May 29 19:38 8028 Jun 02 13:50 8028 Jun 03 00:14 8028 Jun 07 05:00 8028 Jun 07 05:00 8028 Jun 03 01:41 8028 Jul 03 01:41 8028 Jul 07 03:19 8028 Jul 31 18:50 8028 Aug 11 22:48 8028 Aug 31 01:19 8028 Sep 27 04:38 8028 Oct 23 03:08 8028 Oct 28 02:15 8028 Nov 17 08:44	24° II 50'04 19° II 12'41 16° II 55'50 16° II 39'49 16° II 54'23 14° II 08'58 9° II 06'18 10° II 53'23 12° II 33'06 0° II 0° II	7°31'45 7°29'44 0.27297 AU -4.8m	max. Earth dist. evening rise desc. node asc. node evening max el greatest brilliancy	8030 Oct 24 06:33 8030 Nov 12 07:01 8030 Nov 30 12:09 8030 Dec 06 14:51 8030 Dec 22 20:59 8030 Dec 30 23:00 8031 Jan 24 07:16 8031 Feb 17 15:57 8031 Mar 14 03:18 8031 Apr 07 22:39 8031 Apr 14 20:15 8031 May 03 12:35 8031 May 30 22:27 8031 Jun 04 09:29 8031 Jul 04 16:09 8031 Jul 13 09:23	6°M32'30 0° ₹ 22° ₹27'43 0° ₹ 20° ₹302'15 0° ≈ 0° ₹ 0° ₹ 0° ₹ 0° ₹ 0° ₹ 0° ₹ 0° ₹ 0° ₹	1.73304 AU
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evening set inferior conj minimum elong min. Earth dist. morning rise direct greatest brilliancy desc. node morning max el	8028 May 12 19:07 8028 May 29 19:38 8028 Jun 02 13:50 8028 Jun 03 00:14 8028 Jun 07 05:00 8028 Jun 07 05:00 8028 Jun 03 01:41 8028 Jul 03 01:41 8028 Jul 07 03:19 8028 Jul 31 18:50 8028 Aug 11 22:48 8028 Aug 31 01:19 8028 Sep 27 04:38 8028 Oct 23 03:08 8028 Oct 28 02:15 8028 Nov 17 08:44 8029 Jan 05 12:50	24° II 50'04 19° II 12'41 16° II 55'50 16° II 39'49 16° II 54'23 14° II 08'58 9° II 06'18 10° II 53'23 12° II 33'06 0° II 0°	7°31'45 7°29'44 0.27297 AU -4.8m	max. Earth dist.  evening rise  desc. node  asc. node  evening max el  greatest brilliancy retrograde desc. node	8030 Oct 24 06:33 8030 Nov 12 07:01 8030 Nov 30 12:09 8030 Dec 06 14:51 8030 Dec 22 20:59 8030 Dec 30 23:00 8031 Jan 24 07:16 8031 Feb 17 15:57 8031 Mar 14 03:18 8031 Apr 07 22:39 8031 Apr 14 20:15 8031 May 03 12:35 8031 May 30 22:27 8031 Jun 04 09:29 8031 Jul 04 16:09 8031 Jul 04 10:40 8031 Jul 24 10:40 8031 Aug 04 15:00	6°M32'30 0° ፟፟ 22° ፟፟/27'43 0° ፟ 20° ፟ 302'15 0°  © 0°   0°   0°   0°   18°  112'53 0°  0°  0°  4°  131'46 0°  10°  4°  10°  14°  10°  14°  10°  14°  10°  14°  16°  10°  10°  10°  10°  10°  10°  10°  10	1.73304 AU 46°36'19
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evening set inferior conj minimum elong min. Earth dist. morning rise direct greatest brilliancy desc. node morning max el  asc. node	8028 May 12 19:07 8028 May 29 19:38 8028 Jun 02 13:50 8028 Jun 03 00:14 8028 Jun 07 05:00 8028 Jun 07 05:00 8028 Jun 03 01:41 8028 Jul 03 01:41 8028 Jul 07 03:19 8028 Jul 31 18:50 8028 Aug 11 22:48 8028 Aug 31 01:19 8028 Sep 27 04:38 8028 Oct 23 03:08 8028 Oct 23 03:08 8028 Oct 28 02:15 8028 Nov 17 08:44 8028 Dec 12 02:44 8029 Jan 05 12:50 8029 Jan 29 17:44 8029 Feb 06 11:37	24° II 50'04 19° II 12'41 16° II 55'50 16° II 39'49 16° II 54'23 14° II 08'58 9° II 06'18 10° II 53'23 12° II 33'06 0° II 0°	7°31'45 7°29'44 0.27297 AU -4.8m	max. Earth dist.  evening rise  desc. node  asc. node  evening max el  greatest brilliancy retrograde desc. node evening set	8030 Oct 24 06:33 8030 Nov 12 07:01 8030 Nov 30 12:09 8030 Dec 06 14:51 8030 Dec 22 20:59 8030 Dec 30 23:00 8031 Jan 24 07:16 8031 Feb 17 15:57 8031 Mar 14 03:18 8031 Apr 07 22:39 8031 Apr 14 20:15 8031 May 03 12:35 8031 May 30 22:27 8031 Jun 04 09:29 8031 Jul 04 16:09 8031 Jul 13 09:23 8031 Aug 04 15:00 8031 Aug 08 09:12 8031 Aug 12 07:03	6°M32'30 0°   22°   22°   22°   20°   302'15 0°   0°   0°   0°   0°   0°   4°   0°   4°   0°   4°  0°   4°  0°  14°  0°  14°  14°  14°  14°  14°  16°  18°  18°  19°  19°  19°  19°  19°  19°  19°  19	1.73304 AU 46°36'19 -4.8m
evening set inferior conj minimum elong min. Earth dist. morning rise direct greatest brilliancy desc. node morning max el  asc. node	8028 May 12 19:07 8028 May 29 19:38 8028 Jun 02 13:50 8028 Jun 03 00:14 8028 Jun 02 14:46 8028 Jun 07 05:00 8028 Jun 03 01:41 8028 Jul 03 01:41 8028 Jul 07 03:19 8028 Jul 31 18:50 8028 Aug 11 22:48 8028 Aug 11 22:48 8028 Aug 31 01:19 8028 Sep 27 04:38 8028 Oct 23 03:08 8028 Oct 23 03:08 8028 Oct 28 02:15 8028 Nov 17 08:44 8028 Dec 12 02:44 8029 Jan 05 12:50 8029 Jan 29 17:44 8029 Feb 06 11:37 8029 Feb 16 19:05	24° II 50'04 19° II 12'41 16° II 55'50 16° II 39'49 16° II 54'23 14° II 08'58 9° II 06'18 10° II 53'23 12° II 33'06 0° II 0°	7°31'45 7°29'44 0.27297 AU -4.8m	max. Earth dist.  evening rise  desc. node  asc. node  evening max el  greatest brilliancy retrograde desc. node evening set min. Earth dist.	8030 Oct 24 06:33 8030 Nov 12 07:01 8030 Nov 30 12:09 8030 Dec 06 14:51 8030 Dec 22 20:59 8030 Dec 30 23:00 8031 Jan 24 07:16 8031 Feb 17 15:57 8031 Mar 14 03:18 8031 Apr 07 22:39 8031 Apr 14 20:15 8031 May 03 12:35 8031 May 03 12:35 8031 Jun 04 09:29 8031 Jul 04 16:09 8031 Jul 13 09:23 8031 Aug 04 15:00 8031 Aug 08 09:12 8031 Aug 12 07:03 8031 Aug 14 01:48	6°M32'30 0° ₹ 22° ₹27'43 0° ₹ 20° ₹02'15 0° ≈ 0° ¥ 0° ¥ 0° ¥ 0° ¶ 8° ∏12'53 0° © 0° Ω 4° £31'46 0° № 4° № 24'47 6° № 39'32 4° № 09'19 2° № 17'27 30° ₹Ω 28° £53'44	1.73304 AU 46°36'19 -4.8m
evening set inferior conj minimum elong min. Earth dist. morning rise direct greatest brilliancy desc. node morning max el  asc. node  morning set desc. node	8028 May 12 19:07 8028 May 29 19:38 8028 Jun 02 13:50 8028 Jun 03 00:14 8028 Jun 02 14:46 8028 Jun 07 05:00 8028 Jun 03 01:41 8028 Jul 03 01:41 8028 Jul 07 03:19 8028 Jul 31 18:50 8028 Aug 11 22:48 8028 Aug 11 22:48 8028 Aug 31 01:19 8028 Sep 27 04:38 8028 Oct 23 03:08 8028 Oct 23 03:08 8028 Oct 28 02:15 8028 Nov 17 08:44 8028 Dec 12 02:44 8029 Jan 05 12:50 8029 Feb 06 11:37 8029 Feb 16 19:05 8029 Feb 22 18:58	24° II 50'04 19° II 12'41 16° II 55'50 16° II 39'49 16° II 54'23 14° II 08'58 9° II 06'18 10° II 53'23 12° II 33'06 0° II 0°	7°31'45 7°29'44 0.27297 AU -4.8m 46°11'16	max. Earth dist.  evening rise  desc. node  asc. node  evening max el  greatest brilliancy retrograde desc. node evening set  min. Earth dist. inferior conj	8030 Oct 24 06:33 8030 Nov 12 07:01 8030 Nov 30 12:09 8030 Dec 06 14:51 8030 Dec 22 20:59 8030 Dec 30 23:00 8031 Jan 24 07:16 8031 Feb 17 15:57 8031 Mar 14 03:18 8031 Apr 07 22:39 8031 Apr 14 20:15 8031 May 03 12:35 8031 May 03 12:35 8031 May 04 09:29 8031 Jul 04 16:09 8031 Jul 04 16:09 8031 Jul 24 10:40 8031 Aug 04 15:00 8031 Aug 08 09:12 8031 Aug 12 07:03 8031 Aug 14 01:48 8031 Aug 14 17:12	6°M32'30 0° ₹ 22° ₹27'43 0° ₹ 20° ₹02'15 0° ≈ 0° ¥ 0° ¥ 0° ¥ 0° ¶ 8° ∏12'53 0° © 0° Ω 4° Ω31'46 0° № 4° №24'47 6° №39'32 4° №09'19 2° №17'27 30° ₹Ω 28° Ω53'44 28° Ω29'42	1.73304 AU 46°36'19 -4.8m  0.28228 AU -2°27'35
evening set inferior conj minimum elong min. Earth dist. morning rise direct greatest brilliancy desc. node morning max el  asc. node	8028 May 12 19:07 8028 May 29 19:38 8028 Jun 02 13:50 8028 Jun 03 00:14 8028 Jun 02 14:46 8028 Jun 07 05:00 8028 Jun 03 01:41 8028 Jul 03 01:41 8028 Jul 07 03:19 8028 Jul 31 18:50 8028 Aug 11 22:48 8028 Aug 11 22:48 8028 Aug 31 01:19 8028 Sep 27 04:38 8028 Oct 23 03:08 8028 Oct 23 03:08 8028 Oct 28 02:15 8028 Nov 17 08:44 8028 Dec 12 02:44 8029 Jan 05 12:50 8029 Jan 29 17:44 8029 Feb 06 11:37 8029 Feb 16 19:05	24° II 50'04 19° II 12'41 16° II 55'50 16° II 39'49 16° II 54'23 14° II 08'58 9° II 06'18 10° II 53'23 12° II 33'06 0° II 0°	7°31'45 7°29'44 0.27297 AU -4.8m	max. Earth dist.  evening rise  desc. node  asc. node  evening max el  greatest brilliancy retrograde desc. node evening set  min. Earth dist. inferior conj minimum elong	8030 Oct 24 06:33 8030 Nov 12 07:01 8030 Nov 30 12:09 8030 Dec 06 14:51 8030 Dec 22 20:59 8030 Dec 30 23:00 8031 Jan 24 07:16 8031 Feb 17 15:57 8031 Mar 14 03:18 8031 Apr 07 22:39 8031 Apr 14 20:15 8031 May 03 12:35 8031 May 03 12:35 8031 May 04 09:29 8031 Jul 04 16:09 8031 Jul 13 09:23 8031 Jul 24 10:40 8031 Aug 04 15:00 8031 Aug 08 09:12 8031 Aug 12 07:03 8031 Aug 14 01:48 8031 Aug 14 17:12 8031 Aug 14 11:49	6°M32'30 0° ₹ 22° ₹27'43 0° ₹ 20° ₹02'15 0° ≈ 0° ₹ 0° ₹ 0° ₹ 0° ₹ 0° ¶ 8° ∏12'53 0° © 0° Ω 4° Ω31'46 0° № 4° №24'47 6° №39'32 4° №09'19 2° № 17'27 30° ₹Ω 28° Ω53'44 28° Ω29'42 28° Ω38'05	1.73304 AU 46°36'19 -4.8m  0.28228 AU -2°27'35
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evening set inferior conj minimum elong min. Earth dist. morning rise direct greatest brilliancy desc. node morning max el  asc. node  morning set desc. node  max. Earth dist.  superior conj	8028 May 12 19:07 8028 May 29 19:38 8028 Jun 02 13:50 8028 Jun 03 00:14 8028 Jun 07 05:00 8028 Jun 07 05:00 8028 Jun 03 01:41 8028 Jul 03 01:41 8028 Jul 07 03:19 8028 Jul 31 18:50 8028 Aug 11 22:48 8028 Aug 31 01:19 8028 Aug 31 01:19 8028 Oct 23 03:08 8028 Oct 23 03:08 8028 Oct 28 02:15 8028 Nov 17 08:44 8028 Dec 12 02:44 8029 Jan 05 12:50 8029 Jan 29 17:44 8029 Feb 06 11:37 8029 Feb 16 19:05 8029 Feb 22 18:58 8029 Mar 18 19:01 8029 Mar 18 07:14 8029 Mar 18 07:14	24° II 50'04 19° II 12'41 16° II 55'50 16° II 39'49 16° II 54'23 14° II 08'58 9° II 06'18 10° II 53'23 12° II 33'06 0° II 0° II 00' II	7°31'45 7°29'44 0.27297 AU -4.8m 46°11'16	max. Earth dist.  evening rise  desc. node  asc. node  evening max el  greatest brilliancy retrograde desc. node evening set  min. Earth dist. inferior conj minimum elong morning rise direct greatest brilliancy	8030 Oct 24 06:33 8030 Nov 12 07:01 8030 Nov 30 12:09 8030 Dec 06 14:51 8030 Dec 22 20:59 8030 Dec 30 23:00 8031 Jan 24 07:16 8031 Feb 17 15:57 8031 Mar 14 03:18 8031 Apr 07 22:39 8031 Apr 14 20:15 8031 May 03 12:35 8031 May 30 22:27 8031 Jun 04 09:29 8031 Jul 04 16:09 8031 Jul 13 09:23 8031 Jul 24 10:40 8031 Aug 04 15:00 8031 Aug 04 15:00 8031 Aug 14 01:48 8031 Aug 14 11:49 8031 Aug 14 11:49 8031 Aug 20 15:09 8031 Sep 04 22:30 8031 Sep 14 14:48 8031 Sep 29 12:19	6°M32'30 0° ₹ 22° ₹27'43 0° ₹ 20° ₹02'15 0° ≈ 0° ₹ 0° ₹ 0° ₹ 0° ¶ 8° ∏12'53 0° € 0° ₹ 4° ₹31'46 0° ₹ 4° ₹31'46 0° ₹ 4° ₹92'47 6° ₹939'32 4° ₹909'19 2° ₹917'27 30° ₹\$\$ 28° ₹53'44 28° ₹29'42 28° ₹38'05 24° ₹57'26 20° ₹28'19 22° ₹10'07 0° ₹0	1.73304 AU 46°36'19 -4.8m  0.28228 AU -2°27'35 2°26'04 -4.7m
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evening set inferior conj minimum elong min. Earth dist. morning rise direct greatest brilliancy desc. node morning max el  asc. node  morning set desc. node  max. Earth dist.  superior conj	8028 May 12 19:07 8028 May 29 19:38 8028 Jun 02 13:50 8028 Jun 03 00:14 8028 Jun 07 05:00 8028 Jun 07 05:00 8028 Jun 03 01:41 8028 Jul 03 01:41 8028 Jul 07 03:19 8028 Jul 07 03:19 8028 Jul 31 18:50 8028 Aug 11 22:48 8028 Aug 31 01:19 8028 Sep 27 04:38 8028 Oct 23 03:08 8028 Oct 28 02:15 8028 Nov 17 08:44 8028 Dec 12 02:44 8029 Jan 05 12:50 8029 Jan 29 17:44 8029 Feb 06 11:37 8029 Feb 16 19:05 8029 Feb 22 18:58 8029 Mar 18 19:01 8029 Mar 18 07:14 8029 Mar 18 17:26 8029 Apr 11 14:17 8029 Apr 28 07:25	24° II 50'04 19° II 12'41 16° II 55'50 16° II 39'49 16° II 54'23 14° II 08'58 9° II 06'18 10° II 53'23 12° II 33'06 0° II 0° II 00' II	7°31'45 7°29'44 0.27297 AU -4.8m 46°11'16	max. Earth dist.  evening rise  desc. node  asc. node  evening max el  greatest brilliancy retrograde desc. node evening set  min. Earth dist. inferior conj minimum elong morning rise direct greatest brilliancy morning max el	8030 Oct 24 06:33 8030 Nov 12 07:01 8030 Nov 30 12:09 8030 Dec 06 14:51 8030 Dec 22 20:59 8030 Dec 30 23:00 8031 Jan 24 07:16 8031 Feb 17 15:57 8031 Mar 14 03:18 8031 Apr 07 22:39 8031 Apr 14 20:15 8031 May 03 12:35 8031 May 30 22:27 8031 Jul 04 09:29 8031 Jul 04 16:09 8031 Jul 13 09:23 8031 Jul 24 10:40 8031 Aug 04 15:00 8031 Aug 04 15:00 8031 Aug 12 07:03 8031 Aug 14 01:48 8031 Aug 14 11:49 8031 Aug 14 11:49 8031 Aug 15:09 8031 Sep 04 22:30 8031 Sep 14 14:48 8031 Sep 29 12:19 8031 Oct 23 14:09 8031 Nov 02 13:17	6°M32'30 0°   22°   22°   27'43 0°   20°   30'21'15 0°   0°   0°   18°  112'53 0°  0°  0°  0°  0°  14°  0°  17'27 30°  18°  10'91'9 2°  10'17'27 30°  10'27 30°  10'27 30°  10'27 30°  10'27 30°  10'27 30°  10'27 30°  10'27 30°  10'27 30°  10'27 30°  10'27 30°  10'27 30°  10'27 30°  10'27 30°  10'27 30°  10'27 30°  10'27 30°  10'28'  10'27 30°  10'28'  10'28'  10'28'  10'29'  10'2	1.73304 AU 46°36'19 -4.8m  0.28228 AU -2°27'35 2°26'04 -4.7m
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evening set inferior conj minimum elong min. Earth dist. morning rise direct greatest brilliancy desc. node morning max el  asc. node  morning set desc. node  max. Earth dist.  superior conj minimum elong	8028 May 12 19:07 8028 May 29 19:38 8028 Jun 02 13:50 8028 Jun 03 00:14 8028 Jun 07 05:00 8028 Jun 07 05:00 8028 Jun 03 01:41 8028 Jul 03 01:41 8028 Jul 07 03:19 8028 Jul 07 03:19 8028 Jul 31 18:50 8028 Aug 11 22:48 8028 Aug 31 01:19 8028 Sep 27 04:38 8028 Oct 23 03:08 8028 Oct 28 02:15 8028 Nov 17 08:44 8028 Dec 12 02:44 8029 Jan 05 12:50 8029 Jan 29 17:44 8029 Feb 06 11:37 8029 Feb 16 19:05 8029 Feb 22 18:58 8029 Mar 18 19:01 8029 Mar 18 07:14 8029 Mar 18 17:26 8029 Apr 11 14:17 8029 Apr 28 07:25	24° II 50'04 19° II 12'41 16° II 55'50 16° II 39'49 16° II 54'23 14° II 08'58 9° II 06'18 10° II 53'23 12° II 33'06 0° II 0° II 00' II	7°31'45 7°29'44 0.27297 AU -4.8m 46°11'16	max. Earth dist.  evening rise  desc. node  asc. node  evening max el  greatest brilliancy retrograde desc. node evening set  min. Earth dist. inferior conj minimum elong morning rise direct greatest brilliancy morning max el	8030 Oct 24 06:33 8030 Nov 12 07:01 8030 Nov 30 12:09 8030 Dec 06 14:51 8030 Dec 22 20:59 8030 Dec 30 23:00 8031 Jan 24 07:16 8031 Feb 17 15:57 8031 Mar 14 03:18 8031 Apr 07 22:39 8031 Apr 14 20:15 8031 May 03 12:35 8031 May 30 22:27 8031 Jul 04 09:29 8031 Jul 04 16:09 8031 Jul 13 09:23 8031 Jul 24 10:40 8031 Aug 04 15:00 8031 Aug 04 15:00 8031 Aug 12 07:03 8031 Aug 14 01:48 8031 Aug 14 11:49 8031 Aug 14 11:49 8031 Aug 15:09 8031 Sep 04 22:30 8031 Sep 14 14:48 8031 Sep 29 12:19 8031 Oct 23 14:09 8031 Nov 02 13:17	6°M32'30 0°   22°   22°   27'43 0°   20°   30'21'15 0°   0°   0°   18°  112'53 0°  0°  0°  0°  0°  14°  0°  17'27 30°  18°  10'91'9 2°  10'17'27 30°  10'27 30°  10'27 30°  10'27 30°  10'27 30°  10'27 30°  10'27 30°  10'27 30°  10'27 30°  10'27 30°  10'27 30°  10'27 30°  10'27 30°  10'27 30°  10'27 30°  10'27 30°  10'27 30°  10'28'  10'27 30°  10'28'  10'28'  10'28'  10'29'  10'2	1.73304 AU 46°36'19 -4.8m  0.28228 AU -2°27'35 2°26'04 -4.7m

	8031 Dec 26 09:47	0° <b>∡</b> 7			8034 Jul 31 08:31	0∘ <b>⊽</b>	
	8032 Jan 20 11:17	8°0		evening max el	8034 Aug 14 01:29	13° <b>≏</b> 57'52	45°51'25
	8032 Feb 14 00:14	0°≈		desc. node	8034 Sep 01 02:31	0°M04'06	
	8032 Mar 09 05:37	0° <b>)</b> €			8034 Sep 01 00:26	$0^{\circ}$ M	
desc. node	8032 Mar 16 07:13	8° <b>)</b> (48′15		greatest brilliancy	8034 Sep 21 18:26	12°M31'58	-4.7m
	8032 Apr 02 06:11	$0^{\circ}$ $\Upsilon$		retrograde	8034 Oct 02 05:12	14°MJ30'58	
morning set	8032 Apr 23 06:45	26° <b>Y</b> °22′28		evening set	8034 Oct 20 07:16	8°M22'09	
	8032 Apr 26 04:01	$9^{\circ}$ 8		inferior conj	8034 Oct 23 18:17	6° <b>™</b> 13'29	-8°34'11
	8032 May 20 01:14	$\Pi$ $^{\circ}0$		minimum elong	8034 Oct 23 16:02	6° <b>™</b> 17'00	8°34'02
				min. Earth dist.	8034 Oct 23 18:11	6° <b>M</b> 13'37	0.29175 AU
superior conj	8032 Jun 02 13:45	16° <b>Ⅱ</b> 57'28		morning rise	8034 Oct 27 00:48	4°M11'31	
minimum elong	8032 Jun 03 00:36	17° <b>Ⅱ</b> 31'27			8034 Nov 04 02:07	30°Ŗ <b>죠</b>	
max. Earth dist.	8032 Jun 05 17:55		1.71604 AU	direct	8034 Nov 14 07:05	27° <b>≏</b> 55'06	
	8032 Jun 12 23:50	0ა <b>ௐ</b>		greatest brilliancy	8034 Nov 24 19:59	29° <b>≏</b> 55'54	-4.7m
asc. node	8032 Jul 07 05:41	0° <b>Ω</b> 13'47			8034 Nov 25 00:27	0° <b>™</b>	
	8032 Jul 07 01:15	$0$ ° $\Omega$		asc. node	8034 Dec 23 02:12	18° <b>™</b> 52'44	
evening rise	8032 Jul 12 06:13	6° <b>Ω</b> 28'05		morning max el	8035 Jan 02 15:48	28°M46'30	46°01'10
	8032 Jul 31 06:20	0° m/			8035 Jan 03 21:39	0° <b>∡</b> 7	
	8032 Aug 24 15:52	0∘ <b>亚</b>			8035 Feb 01 00:20	0°ರ	
	8032 Sep 18 07:20	0°M			8035 Feb 26 21:27	0° <b>≈</b>	
	8032 Oct 13 07:20	0° <b>∡</b> 7			8035 Mar 23 19:50	0° <b>)</b> {	
desc. node	8032 Oct 26 23:24	16° <b>₹</b> 09'48		desc. node	8035 Apr 13 19:23	25° <b>)</b> (43′23	
	8032 Nov 07 19:49	5°0			8035 Apr 17 06:31	0°Υ •••	
	8032 Dec 04 03:50	0° <b>≈</b>			8035 May 11 10:55	0° <b>B</b>	
·	8033 Jan 01 03:37	0° <b>)</b> (30)43	46005116		8035 Jun 04 12:39	0° <b>©</b>	
evening max el	8033 Jan 06 19:37	5° <b>)</b> 39'43 0° <b>Υ</b>	46°25'16		8035 Jun 28 14:22	11° <b>©</b> 16'29	
areatast brillianav	8033 Feb 04 17:31	5° <b>Υ</b> 39'41	-4.9m	morning set	8035 Jul 07 15:53 8035 Jul 22 17:40	0°Ω	
greatest brilliancy asc. node	8033 Feb 15 21:53 8033 Feb 16 23:29	5 1 3941 6° <b>Υ</b> 01'18	-4.9111	asc. node	8035 Aug 04 17:38	0 8ℓ 16°Ω06'41	
	8033 Feb 16 23:29 8033 Feb 25 17:18	7° <b>Υ</b> 28'30		asc. node	6033 Aug 04 17.36	10 860041	
retrograde evening set	8033 Mar 13 06:46	2° <b>Υ</b> 45'11		superior conj	8035 Aug 14 23:30	28° <b>Ω</b> 47'33	0°24'28
evening set	8033 Mar 17 22:07	2 1 43 11 30° <b>₹</b>		minimum elong	8035 Aug 14 25:30 8035 Aug 14 18:12	28° <b>Ω</b> 31'11	0°24'08
inferior conj	8033 Mar 18 09:22	29° <b>)</b> 42'43	6°47'24	minimum clong	8035 Aug 15 22:56	0°m)	0 24 08
minimum elong	8033 Mar 17 22:16	29° <b>H</b> 59'46	6°44'59	max. Earth dist.	8035 Aug 17 00:34	وران 1°10/19′18	1.72879 AU
min. Earth dist.	8033 Mar 18 04:25	29° <b>H</b> 50'19		max. Earth dist.	8035 Sep 09 05:58	0∘ <del>ت</del>	1.72077710
morning rise	8033 Mar 22 13:39	27° <b>)</b> 11'26	0.20001110	evening rise	8035 Sep 09 03:36 8035 Sep 20 21:48	ა <b>—</b> 14° <b>ჲ</b> 22'06	
direct	8033 Apr 07 23:56	21° <b>)</b> 55'02		evening rise	8035 Oct 03 14:53	0° <b>M</b>	
greatest brilliancy	8033 Apr 17 19:21	23° <b>¥</b> 43'45	-4.9m		8035 Oct 28 02:30	0° <b>₹</b>	
8	8033 Apr 29 21:04	0°Υ			8035 Nov 21 17:52	ਰ°0 ਰ°0	
morning max el	8033 May 28 10:04	24° <b>Y</b> '37'57	46°54'56	desc. node	8035 Nov 24 11:10	3° <b>ට</b> 17'55	
S	8033 Jun 02 16:20	0°8			8035 Dec 16 13:43	0° <b>≈</b>	
desc. node	8033 Jun 08 17:39	6° <b>8</b> 22'04			8036 Jan 10 15:08	0° <b>)</b>	
	8033 Jun 30 03:16	$\Pi$ $^{\circ}0$			8036 Feb 05 02:03	$0^{\circ}$ $\Upsilon$	
	8033 Jul 26 01:15	0° <b>©</b>			8036 Mar 02 11:25	0°8	
	8033 Aug 20 08:46	$0^{\circ}\Omega$		asc. node	8036 Mar 16 10:49	14° <b>8</b> 58'33	
	8033 Sep 14 08:51	0° <b>m</b> )		evening max el	8036 Mar 20 19:07	19° <b>8</b> 25'24	47°00'26
asc. node	8033 Sep 29 16:00	18° <b>m</b> 29'37			8036 Mar 31 17:38	$\Pi$ $\circ 0$	
	8033 Oct 09 03:24	0∘ <b>⊽</b>		greatest brilliancy	8036 Apr 30 09:11	20° <b>Ⅲ</b> 32'33	-4.9m
	8033 Nov 02 16:55	$0^{\circ}$ M		retrograde	8036 May 10 09:18	22° <b>Ⅱ</b> 26′05	
morning set	8033 Nov 25 12:33	28°M03'48		evening set	8036 May 27 12:30	16° <b>Ⅱ</b> 43'55	
	8033 Nov 27 02:13	0° <b>⊀</b>		inferior conj	8036 May 31 03:05	14° <b>Ⅲ</b> 32'13	7°45'04
	8033 Dec 21 08:30	0° <b>ろ</b>		minimum elong	8036 May 31 13:09	14° <b>Ⅱ</b> 16'42	
max. Earth dist.	8033 Dec 30 06:26	11° <b>る</b> 03'08	1.72567 AU	min. Earth dist.	8036 May 31 03:38		0.27278 AU
		—		morning rise	8036 Jun 04 14:00	11° <b>Ⅱ</b> 51'31	
superior conj	8034 Jan 01 17:56	14° <b>る</b> 07'46		direct	8036 Jun 20 20:45	6° <b>Ⅱ</b> 43'12	
minimum elong	8034 Jan 02 02:22	14°₹33'54	0°40'44	greatest brilliancy	8036 Jun 30 13:32	8° <b>Ⅱ</b> 29'07	-4.8m
	8034 Jan 14 12:38	0° <b>≈</b>		desc. node	8036 Jul 06 05:15	10° <b>Ⅱ</b> 55'03	
desc. node	8034 Jan 19 08:59	6° <b>≈</b> 01'39			8036 Jul 31 23:05	0°95	46010152
· · ·	8034 Feb 07 14:56	0° <b>)</b> {		morning max el	8036 Aug 09 13:27	8°907'10	46°12'53
evening rise	8034 Feb 09 16:45	2° <b>)</b> 35′17 0° <b>°</b>			8036 Aug 30 18:37	0° <b>Ω</b>	
	8034 Mar 03 15:41				8036 Sep 26 18:35	0° <b>m</b> )	
	8034 Mar 27 15:56	0° <b>Η</b>		aga nodo	8036 Oct 22 15:33	0∘ <b>⊽</b>	
asa nada	8034 Apr 20 18:01	0° <b>П</b> 26° <b>П</b> 39'03		asc. node	8036 Oct 27 04:14	5° <b>ჲ</b> 20'34 0° <b>ጤ</b>	
asc. node	8034 May 12 07:59 8034 May 15 01:33	26°Щ3903			8036 Nov 16 20:19 8036 Dec 11 13:52	0°111. 0° <b>√</b> 1	
	8034 Jun 08 19:23	0°Ω			8037 Jan 04 23:45	0 ×. 0°ਤ	
	8034 Jul 04 07:30	0°m)			8037 Jan 04 23.43 8037 Jan 29 04:33	0°≈	
	505 T Jul   OT   U/.JU	עווי			505 / Juli 27 04.33	· ~	

	9027 E-L 04 00.54	70 1 (147			9020 A 06 02-44	2005	
morning set desc. node	8037 Feb 04 00:54 8037 Feb 15 20:56	7°≈16'47 22°≈02'25		min. Earth dist.	8039 Aug 06 02:44 8039 Aug 11 17:54	30°RN 26° Ω38'20	0.28178 AU
desc. Hode	8037 Feb 13 20:36 8037 Feb 22 05:46	0° <b>\</b>		inferior conj	8039 Aug 11 17:34 8039 Aug 12 08:21	26° <b>Ω</b> 15'57	
max. Earth dist.	8037 New 22 03:40 8037 Mar 14 02:54		1.71389 AU	minimum elong	8039 Aug 12 03:41	26° <b>Ω</b> 23'14	
max. Earm dist.	8037 Wai 14 02.34	24 /(3430	1./1369 AU	morning rise	8039 Aug 12 03:41 8039 Aug 18 08:00	20° <b>Ω</b> 41'12	2 03 41
superior conj	8037 Mar 16 06:12	27° <b>)</b> 35′26	-1°02'13	direct	8039 Sep 02 12:33	$18^{\circ}\Omega 15'05$	
minimum elong	8037 Mar 15 18:25	26° <b>H</b> 58'29		greatest brilliancy	8039 Sep 02 12:33 8039 Sep 12 06:10	19° <b>Ω</b> 57'39	-4 7m
minimum ciong	8037 Mar 18 04:15	0° <b>Υ</b>	1 01 47	greatest of financy	8039 Sep 30 06:08	0°m/	4.7III
	8037 Apr 11 01:09	0°8		morning max el	8039 Oct 21 04:15	17° mp 55'27	45°42'01
evening rise	8037 Apr 25 17:55	18° <b>8</b> 28'23			8039 Nov 02 07:56	0∘ <b>ಹ</b>	
<i>8</i> 11	8037 May 04 22:18	0° <b>I</b> I		asc. node	8039 Nov 24 16:25	24° <b>£</b> 01'34	
	8037 May 28 22:00	0ංම			8039 Nov 30 00:14	0° <b>M</b>	
asc. node	8037 Jun 08 19:46	13° <b>©</b> 33'56			8039 Dec 25 22:16	0° <b>∡</b> ¹	
	8037 Jun 22 02:29	$0^{\circ}\Omega$			8040 Jan 19 22:57	8°0	
	8037 Jul 16 14:00	0° <b>m</b>			8040 Feb 13 11:29	0° <b>≈</b>	
	8037 Aug 10 11:51	0∘ <b>⊽</b>			8040 Mar 08 16:37	0° <b>)</b> €	
	8037 Sep 05 02:38	0°M		desc. node	8040 Mar 15 09:10	8° <b>升</b> 20′05	
desc. node	8037 Sep 28 13:50	26°M16'04			8040 Apr 01 17:03	$0$ ° $\Upsilon$	
	8037 Oct 02 00:53	0°⊀		morning set	8040 Apr 20 17:08	23° <b>Y</b> 50'24	
evening max el	8037 Oct 24 07:41	22° <b>∡¹</b> 43'17	45°44'01		8040 Apr 25 14:48	$9^{\circ}$ 8	
	8037 Nov 01 04:45	0°ප			8040 May 19 11:57	$\Pi$ $^{\circ}0$	
greatest brilliancy	8037 Dec 02 13:24	20°る50'09	-4.8m				
retrograde	8037 Dec 12 00:13	22° <b>る</b> 27'12		superior conj	8040 May 31 01:42	14° <b>Ⅱ</b> 31'07	
evening set	8037 Dec 27 16:15	17° <b>る</b> 45'03		minimum elong	8040 May 31 12:12	15° <b>Ⅱ</b> 04'02	1°13'57
inferior conj	8038 Jan 02 02:04	14° <b>る</b> 30'10		max. Earth dist.	8040 Jun 03 00:26	18° <b>Ⅱ</b> 12'43	1.71566 AU
minimum elong	8038 Jan 02 10:33	14° <b>る</b> 16'58			8040 Jun 12 10:30	0ಂತ	
min. Earth dist.	8038 Jan 02 21:43		0.27983 AU	asc. node	8040 Jul 06 07:35	29°5946'32	
morning rise	8038 Jan 08 04:12	10° <b>ろ</b> 51'23			8040 Jul 06 11:55	$0^{\circ}\Omega$	
asc. node	8038 Jan 19 13:47	6° <b>る</b> 40'18		evening rise	8040 Jul 09 20:06	4° <b>Ω</b> 09'03	
direct	8038 Jan 23 06:44	6° <b>る</b> 23'39	4.0		8040 Jul 30 17:04	0° <b>m</b> )	
greatest brilliancy	8038 Feb 03 07:51	8° <b>る</b> 39'44	-4.8m		8040 Aug 24 02:47	0° <b>™</b>	
	8038 Mar 05 07:29	0° <b>≈</b> 9° <b>≈</b> 02'39	46045150		8040 Sep 17 18:35	0° <b>M</b> 0° <b>⊀</b>	
morning max el	8038 Mar 14 15:00	9° <b>₩</b> 02′39	46°45'59	JJ.	8040 Oct 12 19:13	0° <b>x</b> ¹ 15° <b>x</b> ¹39'36	
	8038 Apr 03 08:26	0° <b>π</b> 0° <b>Υ</b>		desc. node	8040 Oct 26 01:30 8040 Nov 07 08:51	0°る	
desc. node	8038 Apr 29 12:39 8038 May 11 07:43	13° <b>Y</b> 58'59			8040 Nov 07 08.31 8040 Dec 03 19:09	0°≈	
desc. Hode	8038 May 24 15:42	0° <b>8</b>			8040 Dec 03 19:09 8041 Jan 01 00:43	0 <b>≈</b> 0° <b>H</b>	
	8038 Jun 18 07:38	0°II		evening max el	8041 Jan 04 09:00	3° <b>¥</b> 18'53	46°23'34
	8038 Jul 12 19:13	0°©		evening max er	8041 Feb 06 07:36	0° <b>Υ</b>	40 23 34
	8038 Aug 06 05:38	$0^{\circ}\Omega$		greatest brilliancy	8041 Feb 13 10:17	3° <b>Υ</b> 14'26	-4.9m
	8038 Aug 30 15:44	0° <b>m</b> )		asc. node	8041 Feb 16 01:24	4°Υ03'50	,
asc. node	8038 Sep 01 05:45	1° m/ 56'48		retrograde	8041 Feb 23 06:17	5° <b>Ƴ</b> 03'50	
morning set	8038 Sep 15 18:34	19° <b>m</b> ) 49'10		evening set	8041 Mar 10 15:52	0° <b>Υ</b> 25'08	
S	8038 Sep 24 01:09	0∘ <u>⊽</u>		Ü	8041 Mar 11 09:44	30° <b>₹</b> ₩	
	8038 Oct 18 09:36	0° <b>M</b> ₊		inferior conj	8041 Mar 15 22:11	27° <b>)</b> 17'47	6°30'32
max. Earth dist.	8038 Oct 22 00:47	4°M28'39	1.73309 AU	minimum elong	8041 Mar 15 11:05	27° <b>)</b> 34'48	6°27'59
				min. Earth dist.	8041 Mar 15 17:37	27° <b>)(</b> 24'47	0.26991 AU
superior conj	8038 Oct 22 12:09	5°ML03'40	1°25'12	morning rise	8041 Mar 20 06:10	24° <b>)</b> 41′26	
minimum elong	8038 Oct 22 09:44	4°M56'13	1°25'16	direct	8041 Apr 05 13:00	19° <b>∺</b> 29'35	
	8038 Nov 11 17:30	0° <b>∡</b> ¹		greatest brilliancy	8041 Apr 15 09:25	21° <b>∺</b> 19'38	-4.9m
evening rise	8038 Nov 28 04:51	20° <b>≯</b> 18'36			8041 Apr 30 21:40	$0$ ° $\mathbf{\gamma}$	
	8038 Dec 06 01:30	0°ರ		morning max el	8041 May 26 00:19	22° <b>Y</b> 16'25	46°55'45
desc. node	8038 Dec 21 23:00	19° <b>る</b> 35'17			8041 Jun 02 12:49	$8^{\circ 0}$	
	8038 Dec 30 09:53	0° <b>≈</b>		desc. node	8041 Jun 07 19:38	5° <b>8</b> 36'32	
	8039 Jan 23 18:27	0° <b>∀</b>			8041 Jun 29 18:41	$\Pi^{\circ}0$	
	8039 Feb 17 03:35	0° <b>Υ</b>			8041 Jul 25 14:32	0°©	
	8039 Mar 13 15:35	8°0			8041 Aug 19 20:52	$\Omega^{\circ}\Omega$	
	8039 Apr 07 12:00	0°II			8041 Sep 13 20:15	0° Mp	
asc. node	8039 Apr 13 22:18	7° <b>Ⅱ</b> 38'20		asc. node	8041 Sep 28 18:01	18° Mp 02'01	
	8039 May 03 03:59	0.ಲ			8041 Oct 08 14:20	0∘ <b>™</b>	
i	8039 May 30 19:11	0°Ω	46927140		8041 Nov 02 03:35	0°M	
evening max el	8039 Jun 01 23:22	2° <b>Ω</b> 11'37	40-3/49	morning set	8041 Nov 23 05:42	25°M56'14	
greatest brilliancy	8039 Jul 06 07:01 8039 Jul 11 02:11	0° Mp 2° Mp 11'15	-4.8m		8041 Nov 26 12:45 8041 Dec 20 18:58	0°⋜	
retrograde	8039 Jul 22 01:41	4° Mp 24'54	-4.0III	max. Earth dist.	8041 Dec 20 18:38 8041 Dec 28 01:39	9° <b>ろ</b> 01'19	1.72603 AU
desc. node	8039 Aug 03 16:56	4 11/2434 1° Mp 14'47		max. Earth tist.	50-11 DCC 26 U1.39	) <b>(</b> 01 19	1.72003 AU
evening set	8039 Aug 05 10.50 8039 Aug 05 23:58	0° Mp 03'47		superior conj	8041 Dec 30 09:20	11° <b>る</b> 54'00	0°44'00
evening set	5057 11ug 05 45.50	√ 11 CO yılı 0		superior conj	3071 DCC 30 03.20	11 05400	0 7700

minimum elong	8041 Dec 30 18:09 8042 Jan 13 23:10	12°る21'21 0°≈	0°43'46	greatest brilliancy desc. node	8044 Jun 28 01:50 8044 Jul 05 07:13	6°П05'13 9°П20'30	-4.8m
desc. node	8042 Jan 18 10:52	5°≈34'40		desc. Hode	8044 Aug 01 01:42	0°95	
evening rise	8042 Jan 18 10:32 8042 Feb 07 06:28	0° <b>)</b> 15′09		morning max el	8044 Aug 07 03:14	5° <b>©</b> 47'43	46°14'22
evening rise	8042 Feb 07 00:28	0° <b>X</b> 1303		morning max cr	8044 Aug 30 11:36	0°Ω	40 14 22
	8042 Mar 03 02:33	0° <b>Υ</b>			8044 Sep 26 08:26	0° mp	
	8042 Mar 27 03:01	0°8			8044 Oct 22 03:53	0° <del>ت</del>	
	8042 Apr 20 05:25	0°II		asc. node	8044 Oct 26 06:17	ა <b>—</b> 4° <b>ჲ</b> 50'37	
asc. node	8042 May 11 09:59	26° <b>Ⅱ</b> 09'05		use. Houe	8044 Nov 16 07:50	0°M	
	8042 May 14 13:23	0ಂಕಾ			8044 Dec 11 00:57	0° <b>⊼</b>	
	8042 Jun 08 08:01	$0^{\circ}\Omega$			8045 Jan 04 10:38	0°ెవ	
	8042 Jul 03 21:41	0° <b>m</b> )			8045 Jan 28 15:21	0° <b>≈</b>	
	8042 Jul 31 02:30	0° <del>ٽ</del>		morning set	8045 Feb 01 14:21	4° <b>≈</b> 55'37	
evening max el	8042 Aug 11 17:46	11° <b>≏</b> 47'47	45°52'37	desc. node	8045 Feb 14 22:56	21° <b>≈</b> 35′04	
desc. node	8042 Aug 31 04:29	29° <b>≏</b> 00'23			8045 Feb 21 16:32	0° <b>∀</b>	
	8042 Sep 01 11:45	0°M₊		max. Earth dist.	8045 Mar 11 08:02	22° <b>)</b> €06′20	1.71413 AU
greatest brilliancy	8042 Sep 19 08:41	10°M21'01	-4.7m				
retrograde	8042 Sep 29 21:48	12°M21'46		superior conj	8045 Mar 13 17:47	25° <b>)</b> €07'29	-0°59'24
evening set	8042 Oct 17 21:36	6°M15'25		minimum elong	8045 Mar 13 06:07	24° <b>)</b> 30′51	0°58'57
inferior conj	8042 Oct 21 10:25	4°M03'55	-8°31'39		8045 Mar 17 15:01	$0^{\circ}$ Y	
minimum elong	8042 Oct 21 07:27	4°M08'35	8°31'26		8045 Apr 10 11:56	0°8	
min. Earth dist.	8042 Oct 21 08:44	4°M06'35	0.29175 AU	evening rise	8045 Apr 23 04:50	15° <b>8</b> 57'55	
morning rise	8042 Oct 24 17:20	2°M01'26			8045 May 04 09:09	$\Pi$ $^{\circ}0$	
	8042 Oct 28 05:36	30° <b>₹</b> Ω			8045 May 28 08:59	$0$ $\circ$ $\odot$	
direct	8042 Nov 11 23:43	25° <b>≙</b> 45'51		asc. node	8045 Jun 07 21:39	13° <b>©</b> 05'29	
greatest brilliancy	8042 Nov 22 10:26	27° <b>≙</b> 45'00	-4.7m		8045 Jun 21 13:42	$0$ $\circ$ $\Omega$	
	8042 Nov 27 14:39	0° <b>M</b> .			8045 Jul 16 01:35	0° <b>™</b>	
asc. node	8042 Dec 22 04:03	17° <b>M</b> 57'39			8045 Aug 10 00:08	0∘ <b>ত</b>	
morning max el	8042 Dec 31 08:05	26°M36'00	45°59'52		8045 Sep 04 16:18	$0^{\circ}$ M	
	8043 Jan 03 18:20	0° <b>∡</b> ¹		desc. node	8045 Sep 27 15:58	25°M37'55	
	8043 Jan 31 15:23	0°ರ			8045 Oct 01 17:43	0° <b>∡</b>	
	8043 Feb 26 10:29	0° <b>≈</b>		evening max el	8045 Oct 21 21:23	20° <b>∡</b> 27′02	45°43'19
	8043 Mar 23 07:54	0° <b>∀</b>			8045 Nov 01 08:26	0°る	
desc. node	8043 Apr 12 21:28	25° <b>)</b> 14′01		greatest brilliancy	8045 Nov 30 04:15	18° <b>る</b> 35'26	-4.8m
	8043 Apr 16 18:04	0° <b>Υ</b>		retrograde	8045 Dec 09 13:45	20° <b>る</b> 11'46	
	8043 May 10 22:08	0° <b>B</b>		evening set	8045 Dec 25 09:25	15°る25'27	4020120
	8043 Jun 03 23:38	0°Ⅱ		inferior conj	8045 Dec 30 16:48	12°る14'02	
	8043 Jun 28 01:10	0°95		minimum elong	8045 Dec 31 01:42	12°る00'11	
morning set	8043 Jul 05 06:07	8°958'04		min. Earth dist.	8045 Dec 31 13:13		0.28043 AU
aga mada	8043 Jul 22 04:20 8043 Aug 03 19:32	0° <b>Ω</b> 15° <b>Ω</b> 39'44		morning rise asc. node	8046 Jan 05 17:16 8046 Jan 18 15:47	8°る37'07 4°る12'31	
asc. node	6043 Aug 03 19.32	13 663944			8046 Jan 20 21:26		
aumariar aani	9042 Aug 12 15:05	26° <b>Ω</b> 34'32	0021100	direct	8046 Feb 01 00:13	4°る06'30 6°る23'36	-4.8m
superior conj minimum elong	8043 Aug 12 15:05 8043 Aug 12 10:27	26° <b>Ω</b> 20'12		greatest brilliancy	8046 Mar 05 09:19	0°≈	-4.0111
max. Earth dist.	8043 Aug 14 20:42		1.72844 AU	morning max el	8046 Mar 12 04:47	0 ∞ 6°≈40'49	46°44'52
max. Latin dist.	8043 Aug 15 09:30	0° m)	1.72044 AC	morning max cr	8046 Apr 03 01:22	0° <b>)</b>	40 44 32
	8043 Sep 08 16:31	0∘ <b>ʊ</b> ೧ װ⁄			8046 Apr 29 02:44	0°Υ	
evening rise	8043 Sep 18 15:09	0 <b>—</b> 12° <b>Ω</b> 15'10		desc. node	8046 May 10 09:39	13° <b>Y</b> 24'47	
e vennig rise	8043 Oct 03 01:32	0°M		dese. Hode	8046 May 24 04:24	0°8	
	8043 Oct 27 13:23	0° <b>∡</b> ¹			8046 Jun 17 19:34	0°II	
	8043 Nov 21 05:09	0°る			8046 Jul 12 06:38	0°೯	
desc. node	8043 Nov 23 13:09	2° <b>⋜</b> 49'37			8046 Aug 05 16:43	$0^{\circ}\Omega$	
	8043 Dec 16 01:36	0° <b>≈</b>			8046 Aug 30 02:34	0° m/y	
	8044 Jan 10 03:56	0° <b>)</b> €		asc. node	8046 Aug 31 07:47	1° <b>m</b> 29'46	
	8044 Feb 04 16:25	$0^{\circ}\Upsilon$		morning set	8046 Sep 13 11:23	17° <b>m</b> ) 40'14	
	8044 Mar 02 05:05	0°8		C	8046 Sep 23 11:51	0∘ <u>v</u>	
asc. node	8044 Mar 15 12:53	14° <b>8</b> 09'27			8046 Oct 17 20:15	0°M	
evening max el	8044 Mar 18 09:41	17° <b>8</b> 04'40	47°00'01				
-	8044 Mar 31 22:33	$\Pi^{\circ}0$		superior conj	8046 Oct 20 05:50	2°M57'26	1°24'43
greatest brilliancy	8044 Apr 27 23:11	18° <b>耳</b> 09'33	-4.9m	minimum elong	8046 Oct 20 02:43	2°M47'51	1°24'46
retrograde	8044 May 07 22:53	20° <b>Ⅲ</b> 02'17		max. Earth dist.	8046 Oct 19 18:20	2°M22'02	1.73316 AU
evening set	8044 May 25 05:19	14° <b>Ⅱ</b> 15'31			8046 Nov 11 04:11	0° <b>∡</b> ¹	
inferior conj	8044 May 28 16:19	12° <b>Ⅱ</b> 08'53	7°57'31	evening rise	8046 Nov 25 21:17	18° <b>≯</b> 08'08	
minimum elong	8044 May 29 01:59	11° <b>Ⅱ</b> 53'59	7°55'49		8046 Dec 05 12:21	0°ප	
min. Earth dist.	8044 May 28 16:40	12° <b>Ⅱ</b> 08′22	0.27264 AU	desc. node	8046 Dec 21 00:51	19° <b>る</b> 07'09	
morning rise	8044 Jun 01 22:50	9° <b>Ⅱ</b> 34'17			8046 Dec 29 20:58	0° <b>≈</b>	
direct	8044 Jun 18 10:10	4° <b>Ⅱ</b> 20′18			8047 Jan 23 05:54	0° <b>∀</b>	

	0047 F 1 16 15 20	0°Υ			0040 1 1 25 04 00	000	
	8047 Feb 16 15:30				8049 Jul 25 04:00	0°99	
	8047 Mar 13 04:09	0° <b>8</b>			8049 Aug 19 09:11	0°N	
_	8047 Apr 07 01:38	0°П			8049 Sep 13 07:51	0° <b>m</b> )	
asc. node	8047 Apr 13 00:21	7° <b>Ⅱ</b> 02'59		asc. node	8049 Sep 27 20:00	17° <b>m</b> 33'42	
	8047 May 02 19:44	$0$ $\circ$ $\odot$			8049 Oct 08 01:31	0∘ <b>⊽</b>	
evening max el	8047 May 30 13:15	29° <b>©</b> 51'20	46°39'29		8049 Nov 01 14:32	$0^{\circ}$ M	
	8047 May 30 16:42	$0 { m s} \Omega$		morning set	8049 Nov 20 22:58	23°M48'06	
	8047 Jul 08 21:24	0° <b>m</b> ∕			8049 Nov 25 23:35	0° <b>∡</b> ¹	
greatest brilliancy	8047 Jul 08 18:24	29° <b>Ω</b> 57'06	-4.8m		8049 Dec 20 05:50	0°₹	
retrograde	8047 Jul 19 17:06	2° Mp 10'40		max. Earth dist.	8049 Dec 25 18:54	6° <b>る</b> 52'14	1.72643 AU
	8047 Jul 30 02:57	$30^\circ$ R $\Omega$					
desc. node	8047 Aug 02 18:54	28° <b>Ω</b> 16'45		superior conj	8049 Dec 28 00:45	9° <b>る</b> 39'10	0°46'57
evening set	8047 Aug 03 15:03	27° <b>Ω</b> 49'50		minimum elong	8049 Dec 28 09:53	10° <b>る</b> 07'28	0°46'42
inferior conj	8047 Aug 09 23:40	24° <b>Ω</b> 02'12	-1°46'13		8050 Jan 13 10:06	0° <b>≈</b>	
minimum elong	8047 Aug 09 19:43	24° <b>Ω</b> 08′21	1°45'07	desc. node	8050 Jan 17 12:54	5° <b>≈</b> 06'58	
min. Earth dist.	8047 Aug 09 09:56	24° <b>Ω</b> 23'35	0.28134 AU	evening rise	8050 Feb 04 20:00	27°≈53'13	
morning rise	8047 Aug 16 00:55	20° <b>Ω</b> 25′24		-	8050 Feb 06 12:41	0° <b>∀</b>	
direct	8047 Aug 31 02:52	16° <b>Ω</b> 01'41			8050 Mar 02 13:48	$0^{\circ}\Upsilon$	
greatest brilliancy	8047 Sep 09 21:46	17° <b>Ω</b> 45'16	-4.7m		8050 Mar 26 14:30	0°8	
8	8047 Sep 30 19:34	0° m)			8050 Apr 19 17:11	0°II	
morning max el	8047 Oct 18 19:23	15° <b>m</b> ) 42'59	45°42'18	asc. node	8050 May 10 11:52	25° <b>I</b> 37'29	
morning man vi	8047 Nov 02 02:24	0° <b>⊽</b>	210	use. noue	8050 May 14 01:39	0°9	
asc. node	8047 Nov 23 18:16	23° <b>≏</b> 25'00			8050 Jun 07 21:06	0°Ω	
asc. node	8047 Nov 29 14:37	0°M			8050 Jul 03 12:24	0° <b>m</b> )	
	8047 Nov 29 14:37 8047 Dec 25 11:00	0° <b>⊼</b> 1			8050 Jul 30 21:16	0∘ <del>ত</del> اللا	
		0° <b>ठ</b>					45052157
	8048 Jan 19 10:53			evening max el	8050 Aug 09 10:27	9° <b>₽</b> 37'52	45°53'57
	8048 Feb 12 22:59	0° <b>≈</b>		desc. node	8050 Aug 30 06:34	27° <b>£</b> 54'44	
	8048 Mar 08 03:53	0° <b>)</b> (			8050 Sep 02 03:16	0°M	
desc. node	8048 Mar 14 11:10	7° <b>)</b> €51'17		greatest brilliancy	8050 Sep 16 23:42	8°M10'45	-4./m
	8048 Apr 01 04:11	0° <b>Υ</b>		retrograde	8050 Sep 27 14:19	10°ML12'35	
morning set	8048 Apr 18 03:27	21° <b>Y</b> 17'16		evening set	8050 Oct 15 11:59	4° <b>ጤ</b> 09'24	
	8048 Apr 25 01:52	0°B		inferior conj	8050 Oct 19 02:52	1°M.54'34	
	8048 May 18 22:56	$\Pi$ °0		minimum elong	8050 Oct 18 23:11	2°M00'22	
				min. Earth dist.	8050 Oct 18 23:38	1°M59'39	0.29171 AU
superior conj	8048 May 28 13:42	12° <b>∏</b> 04'02		morning rise	8050 Oct 22 10:26	29° <b>≏</b> 51'02	
minimum elong	8048 May 28 23:47	12° <b>Ⅱ</b> 35'39			8050 Oct 22 04:32	30° <b>₹</b> Ω	
max. Earth dist.	8048 May 31 07:31	15° <b>Ⅱ</b> 30′20	1.71526 AU	direct	8050 Nov 09 16:43	23° <b>≏</b> 37′00	
	8048 Jun 11 21:24	0∘ <b>ௐ</b>		greatest brilliancy	8050 Nov 20 00:58	25° <b>≏</b> 34'03	-4.7m
asc. node	8048 Jul 05 09:32	29° <b>©</b> 18'49			8050 Nov 29 05:20	0° <b>M</b>	
	8048 Jul 05 22:47	$0^{\circ}\Omega$		asc. node	8050 Dec 21 06:04	17°ML03'21	
evening rise	8048 Jul 07 10:11	1° <b>Ω</b> 49'59		morning max el	8050 Dec 28 23:41	24°M23'11	45°58'19
	8048 Jul 30 04:00	0° <b>m</b> y			8051 Jan 03 14:39	0° <b>∡</b> ¹	
	8048 Aug 23 13:55	0∘ <b>⊽</b>			8051 Jan 31 06:37	0°రె	
	8048 Sep 17 06:07	0°M			8051 Feb 25 23:50	0° <b>≈</b>	
	8048 Oct 12 07:27	0° <b>∡</b> ¹			8051 Mar 22 20:21	0° <b>₩</b>	
desc. node	8048 Oct 25 03:24	15° <b>∡</b> '07'39		desc. node	8051 Apr 11 23:26	24° <b>)</b> 43′06	
	8048 Nov 06 22:21	0°ಕ			8051 Apr 16 05:59	0° <b>Υ</b>	
	8048 Dec 03 11:09	0° <b>≈</b>			8051 May 10 09:42	0°8	
	8048 Dec 31 23:09	0° <b>)</b> €			8051 Jun 03 10:56	0°II	
evening max el	8049 Jan 01 23:17	0° <b>¥</b> 59'14	46°21'54		8051 Jun 27 12:17	0°ಅ	
e venning man er	8049 Feb 08 20:50	0°Υ	.0 210.	morning set	8051 Jul 02 20:17	6°938'24	
greatest brilliancy	8049 Feb 10 22:13	0° <b>Υ</b> 47'38	-4.9m	morning sec	8051 Jul 21 15:19	0° <b>Ω</b>	
asc. node	8049 Feb 15 03:27	2° <b>Υ</b> 00'19	4.7111	asc. node	8051 Aug 02 21:36	15° <b>Ω</b> 12'21	
	8049 Feb 20 19:30	2° <b>Υ</b> 37'50		asc. node	0031 Aug 02 21.30	13 661221	
retrograde	8049 Mar 04 04:50	2 13/30 30° <b>₹</b>		aumariar aani	8051 Aug 10 06:46	24° <b>Ω</b> 20'48	0°17'46
avanina aat	8049 Mar 08 01:10	28° <b>∺</b> 03'39		superior conj	•	$24^{\circ}\Omega_{08'37}$	0°17'40 0°17'29
evening set			(012)52	minimum elong	8051 Aug 10 02:50		
inferior conj	8049 Mar 13 10:54	24° <b>)</b> 51'31		max. Earth dist.	8051 Aug 12 16:32	27° <b>Ω</b> 19'34	1.72804 AU
minimum elong	8049 Mar 12 23:53	25° <b>)</b> (08'23	6°10'15		8051 Aug 14 20:24	0° <b>m</b> )	
min. Earth dist.	8049 Mar 13 06:28	24° <b>)</b> 58'19	0.26997 AU		8051 Sep 08 03:23	0° <b>™</b>	
morning rise	8049 Mar 17 22:31	22° <b>)</b> 10′13		evening rise	8051 Sep 16 08:43	10° <b>£</b> 07'59	
direct	8049 Apr 03 02:30	17° <b>)</b> €03'04			8051 Oct 02 12:28	0° <b>M</b> ₊	
greatest brilliancy	8049 Apr 12 22:53	18° <b>¥</b> 53'37	-4.9m		8051 Oct 27 00:31	0° <b>∡</b> ¹	
	8049 May 01 16:21	0° <b>Υ</b>			8051 Nov 20 16:41	0°ਰ	
morning max el	8049 May 23 14:54	19° <b>Ƴ</b> 54'41	46°56'30	desc. node	8051 Nov 22 15:05	2° <b>る</b> 20'25	
	8049 Jun 02 09:03	$9^{\circ}$ 8			8051 Dec 15 13:48	0° <b>≈</b>	
desc. node	8049 Jun 06 21:31	4° <b>8</b> 50'22			8052 Jan 09 17:09	0° <b>¥</b>	
	8049 Jun 29 10:13	$\Pi$ °0			8052 Feb 04 07:22	$0^{\circ}$ Y	

	8052 Mar 01 23:41	0°8			8054 Sep 22 22:34	0∘ <b>⊽</b>	
asc. node	8052 Mar 14 14:52	13° <b>8</b> 17'52	4.6050105		8054 Oct 17 06:56	0°M	
evening max el	8052 Mar 15 23:24	14° <b>8</b> 40'18	46°59'27		0054.0 + 17.22.22	00% 51115	1024107
greatest brilliancy	8052 Apr 01 06:18	0°Ⅱ 15°Ⅱ45'36	-4.9m	superior conj	8054 Oct 17 23:33 8054 Oct 17 19:47	0°M51'15 0°M39'38	1°24'07 1°24'10
retrograde	8052 Apr 25 13:41 8052 May 05 11:50	13 <b>H</b> 43 30	-4.9111	minimum elong max. Earth dist.	8054 Oct 17 19:47 8054 Oct 17 13:08	0°MJ9'07	1.73321 AU
evening set	8052 May 03 11:50 8052 May 22 21:57	11° <b>II</b> 45'53		max. Lartii dist.	8054 Nov 10 14:55	0° <b>x</b> 7	1.73321 AU
inferior conj	8052 May 26 05:31	9° <b>I</b> I44'16	8°09'01	evening rise	8054 Nov 23 14:04	15° <b>₹</b> 58'50	
minimum elong	8052 May 26 14:40	9° <b>Ⅱ</b> 30'07	8°07'32	<i>5</i>	8054 Dec 04 23:12	0°ರ	
min. Earth dist.	8052 May 26 05:56	9° <b>Ⅱ</b> 43'37	0.27248 AU	desc. node	8054 Dec 20 02:55	18° <b>る</b> 39'48	
morning rise	8052 May 30 07:32	7° <b>Ⅱ</b> 15'54			8054 Dec 29 08:01	0° <b>≈</b>	
direct	8052 Jun 15 23:03	1° <b>Ⅱ</b> 56′02			8055 Jan 22 17:15	0° <b>∀</b>	
greatest brilliancy	8052 Jun 25 14:35	3° <b>Ⅱ</b> 40'35	-4.8m		8055 Feb 16 03:19	0° <b>Υ</b>	
desc. node	8052 Jul 04 09:17	7° <b>Ⅱ</b> 48'21			8055 Mar 12 16:42	0° <b>8</b>	
	8052 Aug 01 03:16	0°€	46015150	1	8055 Apr 06 15:21	0°II	
morning max el	8052 Aug 04 16:05 8052 Aug 30 04:31	3° <b>©</b> 24'53 0° <b>Ω</b>	46°15'59	asc. node	8055 Apr 12 02:11 8055 May 02 11:47	6°∏26′50 0°©	
	8052 Sep 25 22:23	0° <b>m</b> )		evening max el	8055 May 28 03:37	0 <del>3</del> 27° <b>9</b> 31'50	46°40'59
	8052 Oct 21 16:22	0∘ <b>⊽</b>		evening max er	8055 May 30 15:17	0°Ω	40 40 37
asc. node	8052 Oct 25 08:07	ა — 4° <b>ჲ</b> 19'34		greatest brilliancy	8055 Jul 06 09:58	27° <b>Ω</b> 41'06	-4.8m
	8052 Nov 15 19:30	0° <b>M</b> .		retrograde	8055 Jul 17 08:47	29° <b>Ω</b> 55'03	
	8052 Dec 10 12:11	0° <b>∡</b> ¹		evening set	8055 Aug 01 06:01	25° <b>Ω</b> 34'13	
	8053 Jan 03 21:39	0°ಕ		desc. node	8055 Aug 01 20:57	25° <b>Ω</b> 13'37	
	8053 Jan 28 02:19	0° <b>≈</b>		min. Earth dist.	8055 Aug 07 01:23		0.28089 AU
morning set	8053 Jan 30 04:09	2° <b>≈</b> 35'03		inferior conj	8055 Aug 07 14:37	21° <b>Ω</b> 47'02	
desc. node	8053 Feb 14 00:59	21°≈07'15		minimum elong	8055 Aug 07 11:26	21° <b>Ω</b> 52'00	1°24'10
Tr. al. 11 a	8053 Feb 21 03:31	0° <b>\</b>	1 71440 ATT	morning rise	8055 Aug 13 17:24	18° <b>Ω</b> 08'35	
max. Earth dist.	8053 Mar 08 14:01	19° <b>∺</b> 20′09	1.71449 AU	direct greatest brilliancy	8055 Aug 28 17:10 8055 Sep 07 12:39	13° <b>Ω</b> 46'57 15° <b>Ω</b> 31'22	4.7m
superior conj	8053 Mar 11 05:23	22° <b>)</b> 38'47	-0°56'27	greatest offinancy	8055 Oct 01 05:40	0° m	<del>-4</del> ./III
minimum elong	8053 Mar 10 17:53	22°\(\frac{1}{100}\)		morning max el	8055 Oct 16 10:57	13° <b>m</b> y 31'37	45°42'43
	8053 Mar 17 02:02	0° <b>Υ</b>			8055 Nov 01 20:22	0∘ <b>ʊ</b>	
	8053 Apr 09 23:00	0°8		asc. node	8055 Nov 22 20:17	22° <b>₽</b> 49'28	
evening rise	8053 Apr 20 15:24	13° <b>8</b> 25'26			8055 Nov 29 04:45	$0^{\circ}$ M	
	8053 May 03 20:18	$\Pi^{\circ}0$			8055 Dec 24 23:32	0° <b>∡</b> ″	
	8053 May 27 20:16	0ಂಣ			8056 Jan 18 22:37	0°ಕ	
asc. node	8053 Jun 06 23:38	12° <b>©</b> 36'30			8056 Feb 12 10:16	0° <b>≈</b>	
	8053 Jun 21 01:10	$\Omega^{\circ}\Omega$			8056 Mar 07 14:55	0° <b>)</b> (22102	
	8053 Jul 15 13:25	0° <b>m</b> )		desc. node	8056 Mar 13 13:07	7° <b>)</b> €23'03	
	8053 Aug 09 12:42 8053 Sep 04 06:18	0° <b>ሆ</b> 0° <b>亚</b>		morning set	8056 Mar 31 15:05 8056 Apr 15 14:09	0° <b>Υ'</b> 18° <b>Υ</b> 46'07	
desc. node	8053 Sep 04 00:18 8053 Sep 26 17:52	24°M58'21		morning set	8056 Apr 24 12:42	0° <b>8</b>	
dese. Hode	8053 Oct 01 11:03	0°×7			8056 May 18 09:43	0°II	
evening max el	8053 Oct 19 10:57	18° <b>∡</b> 10'27	45°42'51		,		
_	8053 Nov 01 14:01	ರ∘ರ		superior conj	8056 May 26 01:37	9° <b>Ⅱ</b> 37'03	-1°17'56
greatest brilliancy	8053 Nov 27 18:58	16° <b>පි</b> 21'10	-4.8m	minimum elong	8056 May 26 11:12	10° <b>Ⅱ</b> 07'06	1°17'52
retrograde	8053 Dec 07 04:04	17° <b>る</b> 57'34		max. Earth dist.	8056 May 28 17:02	12° <b>Ⅱ</b> 55'57	1.71497 AU
evening set	8053 Dec 23 02:56	13°る06'41			8056 Jun 11 08:10	0°95	
inferior conj	8053 Dec 28 07:51	9°る58'57		asc. node	8056 Jul 04 11:35	28°951'41	
minimum elong min. Earth dist.	8053 Dec 28 17:07 8053 Dec 29 04:48	9° <b>る</b> 44'31 9° <b>る</b> 26'21	4°45'43 0.28103 AU	evening rise	8056 Jul 04 23:51 8056 Jul 05 09:34	29° <b>©</b> 29'49 0° <b>Ω</b>	
morning rise	8054 Jan 03 06:33	9 <b>3</b> 2621 6° <b>3</b> 24'25	0.28103 AU		8056 Jul 29 14:53	0° <b>m</b>	
asc. node	8054 Jan 17 17:47	1°る51'07			8056 Aug 23 00:59	0∘ <b>ʊ</b> 0 ıı⁄ı	
direct	8054 Jan 18 12:28	1°る50'23			8056 Sep 16 17:34	0°M	
greatest brilliancy	8054 Jan 29 16:52	4° <b>ට</b> 08'49	-4.8m		8056 Oct 11 19:36	0° <b>∡</b> 7	
	8054 Mar 05 09:45	0° <b>≈</b>		desc. node	8056 Oct 24 05:22	14° <b>∡</b> ³36′15	
morning max el	8054 Mar 09 19:17	4° <b>≈</b> 21'04	46°43'30		8056 Nov 06 11:48	5°0	
	8054 Apr 02 18:02	0° <b>∀</b>			8056 Dec 03 03:12	0° <b>≈</b>	
	8054 Apr 28 16:49	0° <b>Υ</b>		evening max el	8056 Dec 30 14:18	28°≈42'23	46°20'18
desc. node	8054 May 09 11:33	12° <b>Y</b> 50'12			8056 Dec 31 22:13	0° <b>)</b> (22102	4.0
	8054 May 23 17:13	0°B 8°0		greatest brilliancy	8057 Feb 08 10:40	28° <b>H</b> 23'03 29° <b>H</b> 53'20	-4.9m
	8054 Jun 17 07:39 8054 Jul 11 18:13	0ംമ 0.п		asc. node	8057 Feb 14 05:26 8057 Feb 14 23:44	29° <b>π</b> 53′20 0° <b>Υ</b>	
	8054 Aug 05 03:54	0° <b>U</b>		retrograde	8057 Feb 18 08:56	0° <b>Υ</b> 13'32	
	8054 Aug 29 13:28	0° <b>m</b> )			8057 Feb 21 16:45	30° <b>₹</b>	
asc. node	8054 Aug 30 09:43	1° Mp 02'14		evening set	8057 Mar 05 11:03	25° <b>)</b> 43′56	
morning set	8054 Sep 11 04:02	15° <b>m</b> 30'32		inferior conj	8057 Mar 10 23:53	22° <b>)</b> €27'14	5°54'42

minimum elong	8057 Mar 10 13:02	22° <b>)</b> (43'52	5052102	behind sun end	8059 Aug 08 06:39	22° <b>Ω</b> 33'51	
min. Earth dist.	8057 Mar 10 19:35	22°\(\frac{43}{32}\)	0.26998 AU	max. Earth dist.	8059 Aug 10 11:51	$25^{\circ}\Omega 18'30$	1.72767 AU
	8057 Mar 15 14:59	19° <b>)</b> (41'01	0.20998 AU	max. Earm dist.	•	0°m)	1./2/0/ AU
morning rise		19 <b>X</b> 4101 14° <b>X</b> 38'50			8059 Aug 14 06:51	0∘ <del>ত</del> اللا	
direct	8057 Mar 31 16:21		4.0		8059 Sep 07 13:51		
greatest brilliancy	8057 Apr 10 12:17	16° <b>米</b> 29'18 0° <b>Υ</b>	-4.9m	evening rise	8059 Sep 14 02:16	8° <b>亞</b> 01'56	
	8057 May 02 05:31		4.60.5.50.0		8059 Oct 01 23:02	0°M	
morning max el	8057 May 21 04:59	17° <b>Ƴ</b> 33'11	46°57'02		8059 Oct 26 11:21	0° <b>∡</b> 7	
	8057 Jun 02 04:09	0° <b>8</b>			8059 Nov 20 03:57	0°る	
desc. node	8057 Jun 05 23:39	4° <b>8</b> 06'55		desc. node	8059 Nov 21 17:07	1° <b>る</b> 52'27	
	8057 Jun 29 01:06	$\Pi^{\circ}0$			8059 Dec 15 01:43	0° <b>≈</b>	
	8057 Jul 24 17:02	0°€			8060 Jan 09 06:06	0° <b>∺</b>	
	8057 Aug 18 21:12	$0^{\circ}\Omega$			8060 Feb 03 22:05	0° <b>Υ</b>	
	8057 Sep 12 19:13	0°Щ			8060 Mar 01 18:20	0° <b>8</b>	
asc. node	8057 Sep 26 21:54	17° <b>m</b> 05'45		evening max el	8060 Mar 13 12:05	12° <b>8</b> 14'31	46°58'54
	8057 Oct 07 12:28	0∘ <b>ত</b>		asc. node	8060 Mar 13 16:47	12° <b>8</b> 26'23	
	8057 Nov 01 01:13	0°M₊			8060 Apr 01 16:13	$\Pi$ $\circ 0$	
morning set	8057 Nov 18 16:02	21°M40'14		greatest brilliancy	8060 Apr 23 04:24	13° <b>Ⅲ</b> 23′04	-4.9m
	8057 Nov 25 10:09	0° <b>∡</b> ¹		retrograde	8060 May 03 00:41	15° <b>Ⅱ</b> 13′08	
	8057 Dec 19 16:22	0°ರ		evening set	8060 May 20 14:31	9° <b>Ⅱ</b> 17'41	
max. Earth dist.	8057 Dec 23 10:46	4° <b>る</b> 39'57	1.72679 AU	inferior conj	8060 May 23 18:46	7° <b>Ⅲ</b> 21′03	8°19'40
				minimum elong	8060 May 24 03:20	7° <b>Ⅲ</b> 07'49	8°18'23
superior conj	8057 Dec 25 16:12	7° <b>る</b> 25'30	0°49'49	min. Earth dist.	8060 May 23 19:24	7° <b>Ⅲ</b> 20′05	0.27231 AU
minimum elong	8057 Dec 26 01:35	7° <b>る</b> 54'35	0°49'35	morning rise	8060 May 27 16:15	4° <b>Ⅱ</b> 59'09	
	8058 Jan 12 20:44	0° <b>≈</b>		•	8060 Jun 08 18:09	30° <b>₹</b> 8	
desc. node	8058 Jan 16 14:54	4° <b>≈</b> 40'06		direct	8060 Jun 13 11:30	29° <b>8</b> 32'58	
evening rise	8058 Feb 02 09:37	25° <b>≈</b> 32'37			8060 Jun 18 07:18	$\Pi^{\circ}0$	
C	8058 Feb 05 23:27	0° <b>)</b> €		greatest brilliancy	8060 Jun 23 03:45	1° <b>Ⅱ</b> 17'48	-4.8m
	8058 Mar 02 00:44	$0^{\circ}\Upsilon$		desc. node	8060 Jul 03 11:14	6° <b>Ⅱ</b> 20'39	
	8058 Mar 26 01:36	0°8			8060 Aug 01 02:58	0°9	
	8058 Apr 19 04:34	0°II		morning max el	8060 Aug 02 04:49	1° <b>©</b> 03'02	46°17'44
asc. node	8058 May 09 13:55	25° <b>I</b> 107'45		morning max or	8060 Aug 29 20:35	0°Ω	10 17 11
use. node	8058 May 13 13:30	0°95			8060 Sep 25 11:43	0° m)	
	8058 Jun 07 09:50	$0^{\circ}\Omega$			8060 Oct 21 04:23	0∘ <del>ت</del> مار	
	8058 Jul 03 02:52	0°m)		asc. node	8060 Oct 24 10:09	ა <u>~</u> 3° <b>ჲ</b> 50'18	
	8058 Jul 30 16:11	0∘ <b>⊽</b>		asc. nouc	8060 Nov 15 06:49	0°M	
avaning may al		0 <b>==</b> 7° <b>£</b> 26'48	45°54'58			0° <b>∕</b> 7¹	
evening max el	8058 Aug 07 02:24	26° <b>£</b> 47'33	43 34 38		8060 Dec 09 23:07	0 x. 0°ਤ	
desc. node	8058 Aug 29 08:30				8061 Jan 03 08:25		
4 41 711	8058 Sep 02 23:57	0°M	4.7	morning set	8061 Jan 27 17:49	0°≈15'00	
greatest brilliancy	8058 Sep 14 15:15	6°M01'17	-4./m	44-	8061 Jan 27 13:00	0°≈ 20°≈ •20!51	
retrograde	8058 Sep 25 06:14	8°M03'24		desc. node	8061 Feb 13 02:51	20°≈39'51	
evening set	8058 Oct 13 01:54	2°M03'59		P. 4. P.	8061 Feb 20 14:10	0° <b>)</b> {	
	8058 Oct 16 09:52	30° <b>₹</b> Ω	000 411 7	max. Earth dist.	8061 Mar 05 23:22	16°大45'33	1.71484 AU
inferior conj	8058 Oct 16 19:07	29° <b>£</b> 45'26					
minimum elong	8058 Oct 16 14:42			superior conj	8061 Mar 08 16:48	20° <b>)</b> 10'38	
min. Earth dist.	8058 Oct 16 14:43	29° <b>£</b> 52'21	0.29164 AU	minimum elong	8061 Mar 08 05:35	19° <b>¥</b> 35'30	0°52'56
morning rise	8058 Oct 20 03:35	27° <b>£</b> 40'21			8061 Mar 16 12:43	0° <b>Υ</b>	
direct	8058 Nov 07 09:09	21° <b>≏</b> 28'23			8061 Apr 09 09:45	0°B	
greatest brilliancy	8058 Nov 17 15:42	23° <b>Ω</b> 23'38	-4.7m	evening rise	8061 Apr 18 02:01	10° <b>8</b> 54'12	
_	8058 Nov 30 07:57	0°M			8061 May 03 07:08	0°Щ	
asc. node	8058 Dec 20 08:09	16°M10'58			8061 May 27 07:13	0∘ <b>©</b>	
morning max el	8058 Dec 26 14:08	22°M08'21	45°56'57	asc. node	8061 Jun 06 01:41	12° <b>©</b> 08'40	
	8059 Jan 03 10:01	0° <b>∡</b>			8061 Jun 20 12:19	$0$ $\circ$ $\Omega$	
	8059 Jan 30 21:16	0°₹			8061 Jul 15 00:56	0° <b>™</b>	
	8059 Feb 25 12:43	0° <b>≈</b>			8061 Aug 09 00:56	0∘ <b>ত</b>	
	8059 Mar 22 08:21	0° <b>∀</b>			8061 Sep 03 20:03	0°M	
desc. node	8059 Apr 11 01:18	24° <b>∺</b> 13'12		desc. node	8061 Sep 25 19:51	24° <b>™</b> 19'38	
	8059 Apr 15 17:27	$0$ ° $\mathbf{\gamma}$			8061 Oct 01 04:24	0° <b>∡</b> ¹	
	8059 May 09 20:48	0°8		evening max el	8061 Oct 17 00:49	15° <b>₹</b> 55'34	45°42'16
	8059 Jun 02 21:46	$\Pi^{\circ}0$			8061 Nov 01 21:34	0°ප	
	8059 Jun 26 22:56	$0$ $\circ$ $\odot$		greatest brilliancy	8061 Nov 25 08:51	14° <b>る</b> 06'31	-4.8m
morning set	8059 Jun 30 10:42	4° <b>5</b> 20'53		retrograde	8061 Dec 04 18:41	15° <b>る</b> 43'37	
	8059 Jul 21 01:49	$0^{\circ}\Omega$		evening set	8061 Dec 20 20:22	10° <b>る</b> 47'54	
asc. node	8059 Aug 01 23:30	14° <b>Ω</b> 45′52		inferior conj	8061 Dec 25 22:43	7° <b>る</b> 43'53	
				minimum elong	8061 Dec 26 08:17	7° <b>る</b> 29'00	5°03'11
superior conj	8059 Aug 07 22:38	22° <b>Ω</b> 09′01	0°14'24	min. Earth dist.	8061 Dec 26 19:53	7° <b>る</b> 11'00	0.28167 AU
minimum elong	8059 Aug 07 19:25	21° <b>Q</b> 59'04	0°14'08	morning rise	8061 Dec 31 19:31	4° <b>る</b> 12'12	
behind sun begin	8059 Aug 07 08:11	21° <b>Ω</b> 24'17			8062 Jan 11 13:38	30°₽ <b>⋌</b>	
=							

T' .	00/2 1 1/ 02 44	200 72417			0064 1 1 20 01 40	00 <b>m</b> .	
direct	8062 Jan 16 03:44	29° 🗷 34'17			8064 Jul 29 01:48	0° <b>m</b>	
asc. node	8062 Jan 16 19:44	29° <b>₹</b> 34'49			8064 Aug 22 12:07	0∘ <b>ѿ</b>	
	8062 Jan 20 20:24	0°る	4.0		8064 Sep 16 05:05	0°M	
greatest brilliancy	8062 Jan 27 09:01	1° <b>る</b> 53'45	-4.8m		8064 Oct 11 07:50	0° <b>∡</b> 7	
	8062 Mar 05 08:56	0° <b>≈</b>		desc. node	8064 Oct 23 07:28	14° <b>∡</b> °05′01	
morning max el	8062 Mar 07 10:39	2°≈03'58	46°42'13		8064 Nov 06 01:22	0°ಕ	
	8062 Apr 02 10:12	0° <b>∀</b>			8064 Dec 02 19:34	0° <b>≈</b>	
	8062 Apr 28 06:31	$0$ ° $\mathbf{\Upsilon}$		evening max el	8064 Dec 28 05:02	26° <b>≈</b> 24'45	46°18'27
desc. node	8062 May 08 13:40	12° <b>Ƴ</b> 17'12			8064 Dec 31 22:25	0° <b>∀</b>	
	8062 May 23 05:43	$9^{\circ}$ 8		greatest brilliancy	8065 Feb 05 23:29	25° <b>)</b> 58′23	-4.8m
	8062 Jun 16 19:26	$\Pi$ $^{\circ}0$		asc. node	8065 Feb 13 07:21	27° <b>) (</b> 40′16	
	8062 Jul 11 05:31	$0$ $\circ$ $\odot$		retrograde	8065 Feb 15 21:43	27° <b>)</b> 48′14	
	8062 Aug 04 14:50	$0^{\circ}\Omega$		evening set	8065 Mar 02 21:02	23° <b>∺</b> 23′07	
asc. node	8062 Aug 29 11:38	0° Mp35′21		inferior conj	8065 Mar 08 12:45	20° <b>)</b> €02'03	5°35'49
	8062 Aug 29 00:08	0° <b>m</b>		minimum elong	8065 Mar 08 02:09	20° <b>) (</b> 18′19	5°33'07
morning set	8062 Sep 08 20:56	13° <b>m</b> 22'15		min. Earth dist.	8065 Mar 08 08:59	20° <b>)</b> 07'49	0.27006 AU
•	8062 Sep 22 09:04	0∘ <b>⊽</b>		morning rise	8065 Mar 13 07:15	17° <b>₩</b> 10'46	
	1			direct	8065 Mar 29 05:52	12° <b>)</b> 13'34	
superior conj	8062 Oct 15 17:29	28° <b>≏</b> 46'21	1°23'24	greatest brilliancy	8065 Apr 08 02:06	14° <b>¥</b> 04'09	-4.9m
minimum elong	8062 Oct 15 13:05	28° <b>£</b> 32'46		8	8065 May 02 15:50	0°Υ	
max. Earth dist.	8062 Oct 15 10:17		1.73326 AU	morning max el	8065 May 18 18:04	15° <b>Y</b> 07'57	46°57'33
max. Earth dist.	8062 Oct 16 17:23	0°M	1.75520110	morning max or	8065 Jun 01 23:07	0°8	10 27 33
	8062 Nov 10 01:26	0° <b>⊼</b> ¹		desc. node	8065 Jun 05 01:35	3° <b>8</b> 22'26	
evening rise	8062 Nov 21 07:04	13° <b>х</b> 50'44		desc. node	8065 Jun 28 16:05	0°II	
evening rise	8062 Dec 04 09:53	0°る			8065 Jul 24 06:12	0°©	
desc. node	8062 Dec 19 04:56	18°る12'35				0°Ω	
desc. node		18 <b>⊘</b> 1233			8065 Aug 18 09:20		
	8062 Dec 28 18:59	0° <b>∀</b>		1-	8065 Sep 12 06:43	0°M)	
	8063 Jan 22 04:35	0° <b>Υ</b>		asc. node	8065 Sep 25 23:55	16° <b>m</b> 37'47	
	8063 Feb 15 15:10				8065 Oct 06 23:33	0∘ <b>亚</b>	
	8063 Mar 12 05:15	0° <b>8</b>			8065 Oct 31 12:03	0°M	
	8063 Apr 06 05:07	0°Ⅱ		morning set	8065 Nov 16 09:25	19°M32'50	
asc. node	8063 Apr 11 04:16	5° <b>∏</b> 51′25			8065 Nov 24 20:52	0° <b>∡</b>	
	8063 May 02 04:01	0°€			8065 Dec 19 03:05	0°ಕ	
evening max el	8063 May 25 18:47	25° <b>©</b> 14'40	46°42'35	max. Earth dist.	8065 Dec 21 02:21	2° <b>℃</b> 26'24	1.72714 AU
	8063 May 30 14:40	$0^{\circ}\Omega$				_	
greatest brilliancy	8063 Jul 04 01:20	25° <b>Ω</b> 25'13	-4.8m	superior conj	8065 Dec 23 08:10	5° <b>ප</b> 13'04	
retrograde	8063 Jul 15 00:45	27° <b>Ω</b> 39'38		minimum elong	8065 Dec 23 17:45	5° <b>る</b> 42'45	0°52'21
evening set	8063 Jul 29 21:12	23° <b>Ω</b> 18'43			8066 Jan 12 07:31	0° <b>≈</b>	
desc. node	8063 Jul 31 22:54	22° <b>Ω</b> 08'17		desc. node	8066 Jan 15 16:47	4°≈12'23	
min. Earth dist.	8063 Aug 04 16:33	19° <b>Ω</b> 52'08	0.28043 AU	evening rise	8066 Jan 30 23:37	23° <b>≈</b> 12'49	
inferior conj	8063 Aug 05 05:33	19° <b>Ω</b> 31'59			8066 Feb 05 10:24	0° <b>ℋ</b>	
minimum elong	8063 Aug 05 03:09	19° <b>Ω</b> 35'42	1°02'58		8066 Mar 01 11:53	$0$ ° $\Upsilon$	
morning rise	8063 Aug 11 09:44	15° <b>Ω</b> 52'09			8066 Mar 25 13:01	$9^{\circ}$ 8	
direct	8063 Aug 26 08:02	11° <b>Ω</b> 32′28			8066 Apr 18 16:19	$\Pi$ $^{\circ}0$	
greatest brilliancy	8063 Sep 05 02:58	13° <b>Ω</b> 17′02	-4.8m	asc. node	8066 May 08 15:54	24° <b>∏</b> 36′29	
	8063 Oct 01 12:51	O° Mp			8066 May 13 01:48	$0$ $\circ$ $\odot$	
morning max el	8063 Oct 14 02:52	11° <b>m</b> 21'29	45°43'13		8066 Jun 06 23:03	$0^{\circ}\Omega$	
	8063 Nov 01 13:46	0∘ <b>ত</b>			8066 Jul 02 17:56	0° <b>m</b>	
asc. node	8063 Nov 21 22:20	22° <b>≙</b> 14'39			8066 Jul 30 12:04	0∘ <b>ত</b>	
	8063 Nov 28 18:36	0°M		evening max el	8066 Aug 04 17:23	5° <b>£</b> 12'20	45°56'16
	8063 Dec 24 11:55	0° <b>⊼</b> ¹		desc. node	8066 Aug 28 10:28	25° <b>≏</b> 37'51	
	8064 Jan 18 10:17	8°0			8066 Sep 04 05:06	0°M	
	8064 Feb 11 21:34	0° <b>≈</b>		greatest brilliancy	8066 Sep 12 07:16	3°M51'34	-4.7m
	8064 Mar 07 02:02	0° <b>)</b> €		retrograde	8066 Sep 22 22:03	5°M53'48	
desc. node	8064 Mar 12 15:05	6° <b>)</b> 54'37		evening set	8066 Oct 10 15:46	29° <b>≙</b> 58'18	
	8064 Mar 31 02:07	0° <b>Υ</b>		<i>5</i>	8066 Oct 10 14:38	30° <b>Ŗ</b> Ω	
morning set	8064 Apr 13 00:26	16° <b>Ƴ</b> 13'17		inferior conj	8066 Oct 14 11:29	27° <b>≏</b> 35'53	-8°19'40
	8064 Apr 23 23:38	0°8		minimum elong	8066 Oct 14 11:23	27° <b>⊆</b> 43'55	
	8064 May 17 20:35	0°II		min. Earth dist.	8066 Oct 14 06:15	27° <b>-</b> 43′33	0.29153 AU
	5001 111ay 17 20.55	ν <u>н</u>		morning rise	8066 Oct 17 21:04	27 <b>=</b> 44 09 25° <b>£</b> 28'55	J.27133 AU
					8066 Nov 05 01:07	23 <b>=</b> 28 33 19° <b>£</b> 19'12	
superior coni	8064 May 23 13:07	7°∏08'30	-1°19'40				
superior conj	8064 May 23 13:07 8064 May 23 22:06	7° <b>Ⅱ</b> 08'30 7° <b>Ⅲ</b> 36'41		direct			-4.7m
minimum elong	8064 May 23 22:06	7° <b>Ⅱ</b> 36'41	1°19'36	greatest brilliancy	8066 Nov 15 07:05	21° <b>≏</b> 13'21	-4.7m
	8064 May 23 22:06 8064 May 26 04:06	7° <b>Ⅱ</b> 36'41 10° <b>Ⅱ</b> 26'07		greatest brilliancy	8066 Nov 15 07:05 8066 Dec 01 03:39	21° <b>£</b> 13′21 0° <b>M</b>	-4.7m
minimum elong max. Earth dist.	8064 May 23 22:06 8064 May 26 04:06 8064 Jun 10 18:59	7°∏36'41 10°∏26'07 0°©	1°19'36	greatest brilliancy asc. node	8066 Nov 15 07:05 8066 Dec 01 03:39 8066 Dec 19 10:00	21° <b>2</b> 13'21 0° <b>M</b> 15° <b>M</b> 18'27	
minimum elong max. Earth dist.	8064 May 23 22:06 8064 May 26 04:06 8064 Jun 10 18:59 8064 Jul 02 13:19	7°Ⅱ36'41 10°Ⅱ26'07 0°ᢒ 27°ᢒ08'47	1°19'36	greatest brilliancy	8066 Nov 15 07:05 8066 Dec 01 03:39 8066 Dec 19 10:00 8066 Dec 24 04:15	21° <b>2</b> 13'21 0° <b>M</b> 15° <b>M</b> 18'27 19° <b>M</b> 52'00	-4.7m 45°55'46
minimum elong max. Earth dist.	8064 May 23 22:06 8064 May 26 04:06 8064 Jun 10 18:59	7°∏36'41 10°∏26'07 0°©	1°19'36	greatest brilliancy asc. node	8066 Nov 15 07:05 8066 Dec 01 03:39 8066 Dec 19 10:00	21° <b>2</b> 13'21 0° <b>M</b> 15° <b>M</b> 18'27	

	8067 Feb 25 01:44	0° <b>≈</b>			8069 Aug 08 13:41	0∘ <b>ত</b>	
	8067 Mar 21 20:32	0° <b>∺</b>			8069 Sep 03 10:25	0° <b>m</b> .	
desc. node	8067 Apr 10 03:24	23° <b>)</b> 43'17		desc. node	8069 Sep 24 21:56	23°M39'33	
dese. Hode	8067 Apr 15 05:10	0° <b>Υ</b>		dese. Hode	8069 Sep 30 22:39	0° <b>⊼</b> ¹	
	8067 May 09 08:14	0°8		evening max el	8069 Oct 14 15:40	13° <b>х</b> 42'02	45°41'58
	8067 Jun 02 08:59	0°II		evening max er	8069 Nov 02 08:28	0°る	45 41 50
	8067 Jun 26 10:00	0°©		greatest brilliancy	8069 Nov 22 22:32	ਾਰ 11°ਰ51'15	-4 7m
morning set	8067 Jun 28 00:33	2°900'06		retrograde	8069 Dec 02 09:50	13° <b>る</b> 29'18	7.7111
morning sec	8067 Jul 20 12:46	0° <b>Ω</b>		evening set	8069 Dec 18 14:04	8° <b>ට</b> 28'51	
asc. node	8067 Aug 01 01:26	14° <b>Ω</b> 18'08		inferior conj	8069 Dec 23 13:46	5° <b>る</b> 28'28	-5°22'37
asc. node	000/ Aug 01 01.20	14 861000		minimum elong	8069 Dec 23 23:35	5°る13'12	
superior conj	8067 Aug 05 14:02	19° <b>Ω</b> 54'29	0°10'57	min. Earth dist.	8069 Dec 24 10:43	4°පි55'55	0.28228 AU
minimum elong	8067 Aug 05 11:34	19° <b>Ω</b> 46'51	0°10'44	morning rise	8069 Dec 29 08:28	1°る59'53	0.20220710
behind sun begin	8067 Aug 04 17:44	18° <b>Ω</b> 51'36	0 10 44	morning risc	8070 Jan 02 06:25	30°R. <b>₹</b>	
behind sun end	8067 Aug 06 05:25	20°Ω42'06		direct	8070 Jan 13 19:39	27° <b>√</b> 18′03	
max. Earth dist.	8067 Aug 08 04:35	20° <b>£</b> 42'00 23° <b>£</b> 08'06	1.72723 AU	asc. node	8070 Jan 15 19:39 8070 Jan 15 21:44	27° 🖈 1803 27° 🖈 23'15	
max. Earth dist.		0° Mp	1.72723 AU	greatest brilliancy	8070 Jan 25 00:38	27 <b>x</b> 23 13 29° <b>x</b> 37'41	-4.8m
	8067 Aug 13 17:42	0∘ <b>⊽</b>		greatest brilliancy		29 x・3/41 0°る	-4.0111
	8067 Sep 07 00:41				8070 Jan 25 22:30		46040150
evening rise	8067 Sep 11 19:33	5° <b>£</b> 53'53		morning max el	8070 Mar 05 02:52	29° <b>る</b> 48'29	46°40'50
	8067 Oct 01 09:59	0° <b>M</b> ○○ <b>3</b>			8070 Mar 05 07:27	0° <b>≈</b>	
	8067 Oct 25 22:33	0° <b>∡</b> 7			8070 Apr 02 02:21	0° <b>)</b> €	
	8067 Nov 19 15:35	0° <b>ろ</b>			8070 Apr 27 20:21	0° <b>Υ</b>	
desc. node	8067 Nov 20 19:05	1° <b>る</b> 23'05		desc. node	8070 May 07 15:34	11° <b>Y</b> 42'58	
	8067 Dec 14 14:02	0° <b>≈</b>			8070 May 22 18:23	0°B	
	8068 Jan 08 19:27	0° <b>∀</b>			8070 Jun 16 07:24	$\Pi^{\circ}0$	
	8068 Feb 03 13:18	$0^{\circ}\mathbf{\Upsilon}$			8070 Jul 10 17:01	0ಂತಿ	
	8068 Mar 01 13:46	$0^{\circ}S$			8070 Aug 04 02:00	$0$ $^{\circ}$ $\Omega$	
evening max el	8068 Mar 11 00:13	9° <b>8</b> 46'40	46°58'18		8070 Aug 28 11:05	O°My	
asc. node	8068 Mar 12 18:52	11° <b>8</b> 33'35		asc. node	8070 Aug 28 13:41	0° <b>™</b> 07'59	
	8068 Apr 02 05:59	$\Pi$ $\circ 0$		morning set	8070 Sep 06 13:42	11° Mp 12'35	
greatest brilliancy	8068 Apr 20 18:39	10° <b>Ⅲ</b> 59'01	-4.9m		8070 Sep 21 19:53	0。 <b>ত</b>	
retrograde	8068 Apr 30 13:42	12° <b>∏</b> 48′28					
evening set	8068 May 18 06:52	6° <b>Ⅱ</b> 48'26		superior conj	8070 Oct 13 11:09	26° <b>≏</b> 39'36	1°22'34
inferior conj	8068 May 21 08:00	4° <b>Ⅱ</b> 56'40	8°29'20	minimum elong	8070 Oct 13 06:07	26° <b>£</b> 24'06	1°22'34
minimum elong	8068 May 21 15:56	4° <b>Ⅱ</b> 44'25	8°28'14	max. Earth dist.	8070 Oct 13 07:37	26° <b>£</b> 28'45	1.73327 AU
min. Earth dist.	8068 May 21 08:45	4° <b>Ⅱ</b> 55'30	0.27223 AU		8070 Oct 16 04:09	$0^{\circ}$ M	
morning rise	8068 May 25 01:03	2° <b>Ⅱ</b> 41'18			8070 Nov 09 12:16	0° <b>∡</b> ¹	
	8068 May 30 01:50	30° <b>₹</b> 8		evening rise	8070 Nov 18 23:50	11° <b>∡</b> ¹41'06	
direct	8068 Jun 10 23:53	27° <b>8</b> 08'24		•	8070 Dec 03 20:51	8°0	
greatest brilliancy	8068 Jun 20 17:05	28° <b>8</b> 53'53	-4.8m	desc. node	8070 Dec 18 06:47	17° <b>る</b> 44'06	
· ·	8068 Jun 23 12:56	$\Pi^{\circ}0$			8070 Dec 28 06:12	0° <b>≈</b>	
desc. node	8068 Jul 02 13:11	4° <b>Ⅱ</b> 54'32			8071 Jan 21 16:11	0° <b>)</b> €	
morning max el	8068 Jul 30 18:21	28° <b>Ⅱ</b> 41'26	46°19'26		8071 Feb 15 03:17	$_0$ ° $\gamma$	
Ü	8068 Aug 01 02:15	0ം <b>ഉ</b>			8071 Mar 11 18:08	0°8	
	8068 Aug 29 12:55	$0^{\circ}\Omega$			8071 Apr 05 19:15	0°Ⅲ	
	8068 Sep 25 01:26	0° <b>m</b> p		asc. node	8071 Apr 10 06:17	5° <b>Ⅱ</b> 14'49	
	8068 Oct 20 16:45	0∘ <u>⊽</u>			8071 May 01 20:44	0ಂತಾ	
asc. node	8068 Oct 23 12:11	3° <b>Ω</b> 19'54		evening max el	8071 May 23 10:37	22°958'42	46°44'07
	8068 Nov 14 18:27	0°M		<i>5</i>	8071 May 30 15:22	0° <b>Ω</b>	- '
	8068 Dec 09 10:22	0° <b>∡</b> ¹		greatest brilliancy	8071 Jul 01 16:56	23° <b>Ω</b> 09'16	-4.8m
	8069 Jan 02 19:29	0°ප		retrograde	8071 Jul 12 16:41	25° <b>Ω</b> 23'34	
morning set	8069 Jan 25 07:51	27° <b>る</b> 55'08		evening set	8071 Jul 27 12:38	21° <b>Ω</b> 02'41	
morning sec	8069 Jan 27 00:00	0°≈		desc. node	8071 Jul 31 00:52	19° <b>Ω</b> 00'30	
desc. node	8069 Feb 12 04:52	20°≈11'54		inferior conj	8071 Aug 02 20:28	17° <b>Ω</b> 16'25	-0°42'00
dese. Houe	8069 Feb 20 01:09	20 ≈11 34 0° <b>H</b>		minimum elong	8071 Aug 02 20:28 8071 Aug 02 18:52	17° <b>Ω</b> 18'53	0°41'37
max. Earth dist.	8069 Mar 03 11:22		1.71517 AU	min. Earth dist.	8071 Aug 02 07:39	17° <b>Ω</b> 36'17	0.27998 AU
max. Larm dist.	000) Wai 03 11.22	14 /(1010	1./131/ AU	morning rise	8071 Aug 02 07:57 8071 Aug 09 01:52	17° <b>£</b> 3017	0.21776 AC
superior conj	8069 Mar 06 04:36	17° <b>)</b> 42'43	-0°50'17	direct	8071 Aug 09 01.32 8071 Aug 23 23:10	9° <b>Ω</b> 17'44	
	8069 Mar 05 17:45	17° <b>X</b> 42'43	-0°30°17 0°49'47			11° <b>Ω</b> 01'39	-4.8m
minimum elong	8069 Mar 15 23:42	0°Υ	U 774/	greatest brilliancy	8071 Sep 02 16:49	0° m	<del>1</del> .0111
				morning mass -1	8071 Oct 01 18:04		15012125
avaniei	8069 Apr 08 20:47	0° <b>8</b>		morning max el	8071 Oct 11 18:29	9° Mp 10'01	45 45 55
evening rise	8069 Apr 15 13:09	8° <b>8</b> 23'43		000 m-J-	8071 Nov 01 07:01	0∘ <b>⊽</b>	
	8069 May 02 18:16	0° <b>I</b>		asc. node	8071 Nov 21 00:11	21° <b>Ω</b> 38'52	
aca mc 1-	8069 May 26 18:30	0.20116			8071 Nov 28 08:33	0°M 0°. <b>7</b>	
asc. node	8069 Jun 05 03:34	11°939'18			8071 Dec 24 00:26	0°⊀ 0° <b>=</b>	
	8069 Jun 19 23:50	0° <b>Ω</b>			8072 Jan 17 22:03	5°0	
	8069 Jul 14 12:53	0° <b>т</b> р			8072 Feb 11 08:57	0° <b>≈</b>	

		>/					
	8072 Mar 06 13:13	0° <b>∀</b>		retrograde	8074 Sep 20 13:58	3°M44'53	
desc. node	8072 Mar 11 17:04	6° <b>)</b> €26'04			8074 Oct 04 11:07	30°Ŗ <b>죠</b>	
	8072 Mar 30 13:11	$0$ ° $\mathbf{\Upsilon}$		evening set	8074 Oct 08 05:23	27° <b>≏</b> 53'22	
morning set	8072 Apr 10 10:48	13° <b>Ƴ</b> 40'33		inferior conj	8074 Oct 12 03:51	25° <b>≏</b> 26'59	-8°14'11
-	8072 Apr 23 10:39	0° <b>႘</b>		minimum elong	8074 Oct 11 22:06	25° <b>≏</b> 36'02	8°13'38
	8072 May 17 07:32	0°П		min. Earth dist.	8074 Oct 11 21:52	25° <b>£</b> 36'25	0.29141 AU
	0072 May 17 07.52	v <b>2</b>		morning rise	8074 Oct 15 14:52	23° <b>⊆</b> 17'49	0.27111110
	0072 M 21 00 42	40 <b>T</b> 2015	1001112	=			
superior conj	8072 May 21 00:43	4° <b>Ⅱ</b> 39'56		direct	8074 Nov 02 16:41	17° <b>Ω</b> 10'33	
minimum elong	8072 May 21 09:00	5° <b>Ⅱ</b> 05'56		greatest brilliancy	8074 Nov 12 22:51	19° <b>≏</b> 04'16	-4.7m
max. Earth dist.	8072 May 23 14:50	7° <b>Ⅱ</b> 54'50	1.71428 AU		8074 Dec 01 17:56	0°M	
	8072 Jun 10 05:53	$0_{\circ}$ වෙ		asc. node	8074 Dec 18 12:03	14° <b>M</b> 27'57	
evening rise	8072 Jun 30 02:44	24°9547'20		morning max el	8074 Dec 21 18:40	17° <b>M</b> 37'04	45°54'33
asc. node	8072 Jul 02 15:27	27° <b>©</b> 56'09		-	8075 Jan 02 23:26	0° <b>∡</b> ¹	
	8072 Jul 04 07:18	$0^{\circ}\Omega$			8075 Jan 30 02:23	5°0	
	8072 Jul 28 12:47	0° <b>m</b> )			8075 Feb 24 14:34	0° <b>≈</b>	
		0∘ <del>ʊ</del>			8075 Mar 21 08:34	0° <b>∺</b>	
	8072 Aug 21 23:18						
	8072 Sep 15 16:41	0° <b>M</b>		desc. node	8075 Apr 09 05:19	23° <b>)</b> 13′20	
	8072 Oct 10 20:12	0°⊀			8075 Apr 14 16:43	$0$ ° $\Upsilon$	
desc. node	8072 Oct 22 09:20	13° <b>∡</b> ³32'41			8075 May 08 19:26	$9^{\circ}$ 8	
	8072 Nov 05 15:11	0°ರ			8075 Jun 01 19:58	$\Pi^{\circ}0$	
	8072 Dec 02 12:23	0° <b>≈</b>		morning set	8075 Jun 25 14:12	29° <b>∏</b> 39′20	
evening max el	8072 Dec 25 19:12	24°≈05'31	46°16'41	Ü	8075 Jun 25 20:50	0° <b>©</b>	
evening max er	8073 Jan 01 00:01	0° <b>∀</b>	40 1041		8075 Jul 19 23:29	$0^{\circ}\Omega$	
4 4 2111			4.0	,			
greatest brilliancy	8073 Feb 03 13:02	23° <b>)</b> (34'40	-4.8m	asc. node	8075 Jul 31 03:30	13° <b>Ω</b> 51′28	
asc. node	8073 Feb 12 09:25	25° <b>∺</b> 22'02					
retrograde	8073 Feb 13 10:10	25° <b>∺</b> 23'18		superior conj	8075 Aug 03 05:21	17° <b>Ω</b> 40'17	0°07'28
evening set	8073 Feb 28 07:22	21° <b>)</b> 02'17		minimum elong	8075 Aug 03 03:39	17° <b>Ω</b> 35′03	0°07'17
inferior conj	8073 Mar 06 01:45	17° <b>)</b> 37'24	5°16'19	behind sun begin	8075 Aug 02 06:13	16° <b>Ω</b> 28'39	
minimum elong	8073 Mar 05 15:30	17° <b>¥</b> 53'11	5°13'38	behind sun end	8075 Aug 04 01:05	18° <b>Ω</b> 41'27	
min. Earth dist.	8073 Mar 05 22:54	17° <b>){</b> 41'47	0.27014 AU	max. Earth dist.	8075 Aug 05 19:11	20° <b>Ω</b> 51'47	1.72683 AU
morning rise	8073 Mar 10 23:31	14° <b>)</b> (41'08	0.27011110	max. Earth dist.	8075 Aug 13 04:20	0° m)	1.72005710
					=	-	
direct	8073 Mar 26 18:51	9° <b>)</b> (48'43			8075 Sep 06 11:18	0∘ <b>⊽</b>	
greatest brilliancy	8073 Apr 05 16:33	11° <b>)</b> 40′02	-4.9m	evening rise	8075 Sep 09 12:51	3° <b>≏</b> 46'34	
	8073 May 02 23:17	$0$ ° $\mathbf{\gamma}$			8075 Sep 30 20:42	0°M₊	
morning max el	8073 May 16 06:29	12° <b>Ƴ</b> 41′05	46°57'56		8075 Oct 25 09:31	0° <b>∡</b> 7	
	8073 Jun 01 17:32	$B_{\circ 0}$			8075 Nov 19 02:59	0°る	
desc. node	8073 Jun 04 03:30	2° <b>8</b> 38'40		desc. node	8075 Nov 19 21:02	0°る54'29	
	8073 Jun 28 06:51	0°II			8075 Dec 14 02:08	0°≈	
	8073 Jul 23 19:15	0°9			8076 Jan 08 08:41	0° <b>∀</b>	
	8073 Aug 17 21:23	$0^{\circ}\Omega$			8076 Feb 03 04:33	0° <b>Υ</b>	
	8073 Sep 11 18:08	O° My			8076 Mar 01 09:40	$0^{\circ}S$	
asc. node	8073 Sep 25 01:54	16° <b>™</b> 09'56		evening max el	8076 Mar 08 12:56	7° <b>8</b> 20'47	46°57'41
	8073 Oct 06 10:33	0∘ <b>ত</b>		asc. node	8076 Mar 11 20:51	10° <b>8</b> 39'52	
	8073 Oct 30 22:49	0°M			8076 Apr 03 00:19	$\Pi^{\circ}0$	
morning set	8073 Nov 14 02:41	17°M25'12		greatest brilliancy	8076 Apr 18 08:13	8°∏34'14	-4.9m
Ü	8073 Nov 24 07:32	0° <b>√</b>		retrograde	8076 Apr 28 03:01	10° <b>Ⅱ</b> 23'48	
max. Earth dist.	8073 Dec 18 17:37	0° <b>ਰ</b> 11'54	1.72753 AU	evening set	8076 May 15 22:49	4° <b>∏</b> 19'18	
max. Latin dist.		0°ਰ 1134	1.72733 AO	-			8°38'02
	8073 Dec 18 13:47	0.0		inferior conj	8076 May 18 21:01	2° <b>∏</b> 32'10	
		<del>-</del>		minimum elong	8076 May 19 04:15	2° <b>Ⅱ</b> 21'00	
superior conj	8073 Dec 21 00:02	3° <b>⋜</b> 00′24		min. Earth dist.	8076 May 18 21:35	2° <b>∏</b> 31'17	0.27212 AU
minimum elong	8073 Dec 21 09:45	3° <b>る</b> 30'30	0°55'01	morning rise	8076 May 22 09:44	0° <b>Ⅱ</b> 23'25	
	8074 Jan 11 18:19	0° <b>≈</b>			8076 May 23 01:43	30° <b>₹</b> 8	
desc. node	8074 Jan 14 18:50	3° <b>≈</b> 45'11		direct	8076 Jun 08 12:25	24° <b>8</b> 43'47	
evening rise	8074 Jan 28 13:26	20°≈52'36		greatest brilliancy	8076 Jun 18 05:44	26° <b>8</b> 29'41	-4.9m
e vennig nise	8074 Feb 04 21:20	0° <b>∀</b>		greatest crimane,	8076 Jun 25 21:59	0°II	,
	8074 Feb 28 22:59	0° <b>Υ</b>		desc. node	8076 Jul 01 15:15	3° <b>∏</b> 32′10	
							46921100
	8074 Mar 25 00:20	8°0		morning max el	8076 Jul 28 08:35	26° <b>Ⅱ</b> 22'27	46°21'09
	8074 Apr 18 03:59	$\Pi^{\circ}0$			8076 Aug 01 00:14	0°€	
asc. node	8074 May 07 17:48	24° <b>Ⅲ</b> 05′12			8076 Aug 29 04:38	$0$ $^{\circ}\Omega$	
	8074 May 12 14:01	$0$ $\circ$ $\odot$			8076 Sep 24 14:41	0° <b>m</b> ∤	
	8074 Jun 06 12:14	$0^{\circ}\Omega$			8076 Oct 20 04:45	0∘ <b>⊽</b>	
	8074 Jul 02 09:04	0° <b>m</b> )		asc. node	8076 Oct 22 14:00	2° <b>£</b> 49'58	
	8074 Jul 30 08:25	0∘ <b>⊽</b>			8076 Nov 14 05:44	0°M	
evening max el		0 <b>=</b> 2° <b>£</b> 56'59	15057128		8076 Dec 08 21:17	0° <b>⊼</b> 7	
•	8074 Aug 02 07:54		<del>1</del> 0 0/00				
desc. node	8074 Aug 27 12:35	24° <b>£</b> 26'54			8077 Jan 02 06:13	0°る	
	8074 Sep 05 23:19	0°M		morning set	8077 Jan 22 22:08	25° <b>る</b> 37'12	
greatest brilliancy	8074 Sep 09 23:03	1°M41'56	-4.7m		8077 Jan 26 10:40	0° <b>≈</b>	

desc. node	8077 Feb 11 06:53	19° <b>≈</b> 44'54		inferior conj	8079 Jul 31 11:13	15° <b>Ω</b> 00'53	-0°20'08
	8077 Feb 19 11:49	0° <b>∺</b>		minimum elong	8079 Jul 31 10:27	15° <b>Ω</b> 02'05	0°20'01
max. Earth dist.	8077 Mar 01 00:13	11° <b>∺</b> 54'36	1.71555 AU	min. Earth dist.	8079 Jul 30 22:55	15° <b>Ω</b> 19'59	0.27950 AU
				morning rise	8079 Aug 06 17:36	11° <b>Ω</b> 18′29	
superior conj	8077 Mar 03 16:17	15° <b>)</b> 15′20		direct	8079 Aug 21 13:55	7° <b>Ω</b> 03'09	
minimum elong	8077 Mar 03 05:53	14° <b>)</b> 42′43	0°46'33	greatest brilliancy	8079 Aug 31 06:39	8° <b>Ω</b> 46'20	-4.8m
	8077 Mar 15 10:26	0° <b>Υ</b>			8079 Oct 01 21:10	0° m/y	
	8077 Apr 08 07:35	0° <b>8</b>		morning max el	8079 Oct 09 09:05	6° TQ 56'46	45°44'01
evening rise	8077 Apr 12 23:57	5° <b>8</b> 52'55			8079 Oct 31 23:37	0∘ <b>⊽</b>	
	8077 May 02 05:10	0°II		asc. node	8079 Nov 20 02:13	21° <b>Ω</b> 04'49	
1-	8077 May 26 05:30	0°95			8079 Nov 27 22:04	0° <b>ጤ</b> 0° <b>ዶ</b>	
asc. node	8077 Jun 04 05:34	11°©11'07 0° <b>Ω</b>			8079 Dec 23 12:35 8080 Jan 17 09:31	0° <b>ਨ</b>	
	8077 Jun 19 11:03 8077 Jul 14 00:32	0° <b>m</b> p				0°≈	
	8077 Aug 08 02:11	0∘ <del>ত</del> الله			8080 Feb 10 20:03 8080 Mar 06 00:07	0 <b>∞</b> 0° <b>∺</b>	
	8077 Sep 03 00:37	0°M		desc. node	8080 Mar 10 19:00	5° <b>¥</b> 58'14	
desc. node	8077 Sep 23 23:50	22°M59'28		desc. node	8080 Mar 10 13:00 8080 Mar 29 23:58	0° <b>Υ</b>	
dese. Hode	8077 Sep 23 23:30 8077 Sep 30 17:00	0° <b>√</b>		morning set	8080 Apr 07 21:30	11° <b>Υ</b> 09'51	
evening max el	8077 Oct 12 07:24	11° <b>×</b> 731'41	45°41'41	morning set	8080 Apr 07 21:30 8080 Apr 22 21:20	0°8	
evening max er	8077 Nov 02 22:32	0° <b>ਰ</b>	73 71 71		8080 May 16 18:11	0°II	
greatest brilliancy	8077 Nov 20 12:19	。。 9° <b>る</b> 37'23	-4 7m		0000 May 10 10.11	· <u> </u>	
retrograde	8077 Nov 30 00:57	11° <b>る</b> 16'05	,	superior conj	8080 May 18 12:30	2° <b>Ⅱ</b> 12'50	-1°22'36
evening set	8077 Dec 16 07:54	6° <b>ਰ</b> 11'10		minimum elong	8080 May 18 20:01	2° <b>I</b> I36'26	
inferior conj	8077 Dec 21 04:49	3° <b>ට</b> 14'21	-5°38'54	max. Earth dist.	8080 May 21 00:23		1.71397 AU
minimum elong	8077 Dec 21 14:50	2° <b>る</b> 58'48			8080 Jun 09 16:32	0° <b>©</b>	
min. Earth dist.	8077 Dec 22 01:22	2° <b>る</b> 42'24		evening rise	8080 Jun 27 15:54	22° <b>5</b> 25'43	
morning rise	8077 Dec 26 21:15	29° <b>∡</b> ¹49'00		asc. node	8080 Jul 01 17:30	27° <b>©</b> 29'19	
C	8077 Dec 26 13:28	30°₽ <b>⋌</b> ¹			8080 Jul 03 17:59	$0^{\circ}\Omega$	
direct	8078 Jan 11 11:47	25° <b>х</b> 03′25			8080 Jul 27 23:34	0° <b>m</b>	
asc. node	8078 Jan 14 23:44	25° <b>∡</b> 17'54			8080 Aug 21 10:18	0∘ <b>⊽</b>	
greatest brilliancy	8078 Jan 22 15:35	27° <b>∡</b> ¹22'14	-4.8m		8080 Sep 15 04:07	$0^{\circ}$ M	
	8078 Jan 28 05:26	0°ರ			8080 Oct 10 08:26	0° <b>∡</b> ¹	
morning max el	8078 Mar 02 18:44	27° <b>る</b> 33'30	46°39'17	desc. node	8080 Oct 21 11:19	13° <b>尽</b> 01'12	
	8078 Mar 05 04:37	0° <b>≈</b>			8080 Nov 05 04:56	0° <b>ප</b>	
	8078 Apr 01 17:51	0° <b>)</b> €			8080 Dec 02 05:20	0°≈	
	8078 Apr 27 09:45	$0$ ° $\mathbf{\gamma}$		evening max el	8080 Dec 23 08:33	21° <b>≈</b> 45′00	46°14'55
desc. node	8078 May 06 17:28	11° <b>Y</b> 09'52			8081 Jan 01 02:48	0° <b>∀</b>	
	8078 May 22 06:44	$0^{\circ}S$		greatest brilliancy	8081 Feb 01 03:00	21° <b>¥</b> 12′07	-4.8m
	8078 Jun 15 19:06	$\Pi^{\circ}0$		retrograde	8081 Feb 10 22:25	22° <b>¥</b> 59'27	
	8078 Jul 10 04:14	0ංම		asc. node	8081 Feb 11 11:23	22° <b>米</b> 59′06	
	8078 Aug 03 12:52	$0$ $^{\circ}$ $\Omega$		evening set	8081 Feb 25 17:57	18° <b>)</b> 41′51	
asc. node	8078 Aug 27 15:35	29° <b>Ω</b> 41'12		inferior conj	8081 Mar 03 14:50	15° <b>)</b> 13'49	4°56'15
	8078 Aug 27 21:41	0° <b>m</b> )		minimum elong	8081 Mar 03 04:58	15° <b>)</b> €29'01	4°53'35
morning set	8078 Sep 04 06:14	9° <b>m</b> 03'17		min. Earth dist.	8081 Mar 03 13:14	15° <b>)</b> 16'17	0.27023 AU
	8078 Sep 21 06:22	0∘ <b>⊽</b>		morning rise	8081 Mar 08 15:45	12° <b>)</b> 12'46	
	00500	240 2 22122	1001106	direct	8081 Mar 24 07:35	7° <b>)</b> €24'35	4.0
superior conj	8078 Oct 11 04:41	24° <b>£</b> 33'32		greatest brilliancy	8081 Apr 03 07:40	9° <b>光</b> 17'36 0° <b>Ƴ</b>	-4.9m
minimum elong	8078 Oct 10 23:04	24° <b>£</b> 16'13		mamina may al	8081 May 03 04:09		16050120
max. Earth dist.	8078 Oct 11 04:52	24° <b>≥≥</b> 34°04 0°M	1.73326 AU	morning max el	8081 May 13 18:50 8081 Jun 01 11:11	10° <b>Y</b> 14'50 0° <b>႘</b>	40-38-29
	8078 Oct 15 14:37 8078 Nov 08 22:47	0° <b>⊼</b> 7		desc. node	8081 Jun 03 05:36	1° <b>8</b> 56'53	
evening rise	8078 Nov 16 16:38	9° <b>∡</b> ³32'30		desc. node	8081 Jun 27 21:09	0°Ⅱ	
evening rise	8078 Dec 03 07:31	9×3230			8081 Jul 23 07:59	0ಂ <b>ತಾ</b>	
desc. node	8078 Dec 17 08:51	ਾਰ 17°ਰ17'16			8081 Aug 17 09:13	0°€0	
dese. Hode	8078 Dec 27 17:06	0°≈			8081 Sep 11 05:23	0° <b>m</b> )	
	8079 Jan 21 03:27	0° <b>₩</b>		asc. node	8081 Sep 24 03:47	15° mp 42'13	
	8079 Feb 14 15:04	0° <b>Υ</b>		use. Hode	8081 Oct 05 21:26	0∘ <del>ত</del> 13 س	
	8079 Mar 11 06:42	0°8			8081 Oct 30 09:27	o° <b>m</b>	
	8079 Apr 05 09:09	0°II		morning set	8081 Nov 11 19:48	15°M17'33	
asc. node	8079 Apr 09 08:08	4° <b>Ⅱ</b> 38'34		<i>3 ,</i>	8081 Nov 23 18:04	0° <b>∡</b> 7	
	8079 May 01 13:28	0°ಅ		max. Earth dist.	8081 Dec 16 10:46	28° <b>₹</b> '03'43	1.72793 AU
evening max el	8079 May 21 02:21	20°542'54	46°45'25		8081 Dec 18 00:20	0°ප	
Č	8079 May 30 17:09	$0^{\circ}\Omega$					
greatest brilliancy	8079 Jun 29 09:08	20° <b>£</b> 54′09	-4.8m	superior conj	8081 Dec 18 15:56	0° <b>る</b> 48'17	0°57'50
retrograde	8079 Jul 10 08:09	23° <b>Ω</b> 07'14		minimum elong	8081 Dec 19 01:44	1° <b>る</b> 18'37	0°57'37
evening set	8079 Jul 25 04:07	18° <b>Ω</b> 46′27			8082 Jan 11 05:00	0° <b>≈</b>	
desc. node	8079 Jul 30 02:55	15° <b>Ω</b> 50'59		desc. node	8082 Jan 13 20:48	3° <b>≈</b> 18′06	

SMS   SMS   Feb   SMS   MS   MS   MS   MS   MS   MS	evening rise	8082 Jan 26 03:27	18° <b>≈</b> 33'28		greatest brilliancy	8084 Jun 15 17:50	24° <b>8</b> 04'15	-4.9m
1908   1908	C		0° <b>)</b> €		,			
1908   1908					desc. node			
Since   Sin								46°22'59
Section   Sing May 16   1951   1974								
SMS   SMS   10   10   10   10   10   10   10   1	asc. node							
Sept		•						
Section   Sect		•				•	-	
centing manel         308.1 Jul 30 of 519 of Pa         "Pa         SIRS INVESTIGATION TO THE PART OF THE PART					asc. node			
evening max of desc. node         8082 Jaug 2013 02.22         0°4-21/8         49°8-59         14 more part of the part of th			-				0° <b>M</b> L	
gene         gene         SNB 2 No P of 1417 19         23° 24° 1478 19         23° 24° 1479 19         23° 24° 1479 19         23° 25° 10° 1479 19         23° 25° 10° 1479 19         23° 25° 10° 1479 19         23° 25° 10° 1479 19         23° 25° 10° 1479 19         30° 25° 26° 10° 18° 18° 18° 18° 18° 18° 18° 18° 18° 18	evening max el			45°58'59				
genetic brillinne   808   28 cm of 14:19   29° 23'149   4.7m   morning set   805   21 cm   21:36   23° 51'900   1.7m   200	•	8082 Aug 26 14:27	23° <b>£</b> 13'47			8085 Jan 01 17:10		
Sept 2 Sep 08 22-24   0"H   Sep 08 22-24   0"H   Sep 27 0-544   30% Δ   Sep 27 0-544   3	greatest brilliancy	•	29° <b>£</b> 31'49	-4.7m	morning set	8085 Jan 20 12:36		
Performance   1908   1978	· ·	-	0°M		C	8085 Jan 25 21:33	0° <b>≈</b>	
cerwining sets         8082 Sep 27 65-44         30°8-Δ         contact sets         8082 Oct 60 28-15         22°4-48*14         max. Earth dist.         8085 Feb 18 12.74         9°1-20° A         1.71 90 AU           inferior conj         8082 Oct 60 20 13-23         23°4-28*19         8°075 Sep         superior conj         8082 Oct 10 30-85         22°4-28*27         8°071 Sep         8082 Oct 10 30-85         22°4-28*37         0.2913 OAU         minimum long         8085 Aur 10 10-30         32°2-110-10         0°4-31         12°4-10*3         0°4-31         10°4-31         0°4-31         10°4-31         0°4-31	retrograde	8082 Sep 18 06:15	1°M36'15		desc. node	8085 Feb 10 08:45	19° <b>≈</b> 16'47	
Inferior coror   1982	•	8082 Sep 27 05:44	30° <b>Ŗ</b> Ω			8085 Feb 18 22:42	0° <b>∀</b>	
minimin artholis   8082 Cot 10 13-53   33°42812   80°715   80°85 Mar 10 10-403   12°44735   04°3415   minimin flase   8082 Cot 13 08.58   21°40635   54°40151   8085 Mar 14 21:22   07°4   04°3115   80°85 Mar 14 21:22   07°4   04°3115   04°3	evening set	8082 Oct 05 18:50	25° <b>≏</b> 48'41		max. Earth dist.	8085 Feb 26 11:58	9° <b>∺</b> 26'57	1.71590 AU
minimin artholis   8082 Cot 10 13-53   33°42812   80°715   80°85 Mar 10 10-403   12°44735   04°3415   minimin flase   8082 Cot 13 08.58   21°40635   54°40151   8085 Mar 14 21:22   07°4   04°3115   80°85 Mar 14 21:22   07°4   04°3115   04°3	inferior conj	8082 Oct 09 20:16	23° <b>≏</b> 18'09	-8°07'55				
morning rise   Mos2 Oct   13 08.58   15° ±0075   15° ±0075   16° ±075   1	minimum elong	8082 Oct 09 13:53	23° <b>≏</b> 28'12	8°07'15	superior conj	8085 Mar 01 04:03	12° <b>)</b> 47′35	-0°43'43
Greet   May 2	min. Earth dist.	8082 Oct 09 13:24	23° <b>≏</b> 28'57	0.29130 AU	minimum elong	8085 Feb 28 18:11	12° <b>)</b> 16′41	0°43'15
greatest brillianov   Soc Nov 10 1447   1626593   4.7m   evening rise   8085 Apr 10 10.50   39°2140   10.5	morning rise	8082 Oct 13 08:58	21° <b>≏</b> 06'35			8085 Mar 14 21:22	$0^{\circ}\mathbf{\Upsilon}$	
greatest brillianow   So22 Nov 10 1447   16°£5533 4.7m   evening risse   So85 Apr 10 10:50   3*8'21'40   3*8'21   40°14'   3*8'18'18'   3*8'18'18'   3*8'18'   3*8'18'   3*8'18'   3*8'18'   3*8'18'   3*8'18'   3*8'18'   3*8'18'   3*8'18'   3*8'18'   3*		8082 Oct 31 08:23	15° <b>≏</b> 01'51			8085 Apr 07 18:38	0°8	
Second	greatest brilliancy	8082 Nov 10 14:47	16° <b>≏</b> 55'33	-4.7m	evening rise	-	3° <b>8</b> 21'40	
Moning max el   8082 Dec 17 1405   13°IL382°S   38°S anode   8085 Jun 18 2236   10°S arc 17 140°S   10°S arc 18 10°S arc 19		8082 Dec 02 04:28	0° <b>M</b>			-	$\Pi^{\circ}0$	
8083 Jan   2   71-19   0°\$\frac{2}{3}	asc. node	8082 Dec 17 14:05	13°M38'25				0°ಅ	
Section   Sec	morning max el	8082 Dec 19 10:04	15°M24'39	45°53'24	asc. node	8085 Jun 03 07:35	10°9642'03	
Sec. node		8083 Jan 02 17:19	0° <b>∡</b> ¹			8085 Jun 18 22:36	$0^{\circ}\Omega$	
Most of the part of the par		8083 Jan 29 16:37	0°ರ			8085 Jul 13 12:31		
desc. node   8083 Apr 08 07:12   22°H43'17   desc. node   8085 Scp 23 01:51   22°H18'42		8083 Feb 24 03:18	0° <b>≈</b>				0∘ <b>ত</b>	
desc. node   8083 Apr 08 07.12   22°H317   0 desc. node   8085 Sep 23 01.51   22°H.1842   1 desc. node   8085 Sep 30 12.50   0°P		8083 Mar 20 20:33	0° <b>∀</b>			8085 Sep 02 15:12	0° <b>M</b>	
8083 Apr 14 04.14	desc. node	8083 Apr 08 07:12	22° <b>)</b> 43′17		desc. node	-	22°M18'42	
Morning set   8083 Jun   01 06:58   0°T   Sequest brilliancy   8085 Nov 18 17:49   0°T   7*23'40   4.7m		8083 Apr 14 04:14	$0^{\circ}\mathbf{\Upsilon}$			=	0° <b>∡</b> ¹	
moming set   8083 Jun 23 04:04   27° II 19′09   retrograde   8085 Nov 18 02:32   7° 52340   4.7m		8083 May 08 06:39	$8^{\circ}$ 0		evening max el	8085 Oct 09 23:22	9° <b>∡</b> 121'19	45°41'19
Robert		8083 Jun 01 06:58	$\Pi^{\circ}0$			8085 Nov 03 17:49	0°ප	
8083 Jul 8 9 10:11 0°\$\mathcal{Q}\$   evening set   sole 14 01:54 0°\$\mathcal{S}\$   3°\$\mathcal{S}\$314   sole 14 01:54 0°\$\mathcal{S}\$   5°\$\mathcal{S}\$   5	morning set	8083 Jun 23 04:04	27° <b>Ⅱ</b> 19'09		greatest brilliancy	8085 Nov 18 02:32	7° <b>る</b> 23'40	-4.7m
Superior conj   Superior conj   Suberior c		8083 Jun 25 07:39	0° <b>©</b>		retrograde	8085 Nov 27 15:45	9° <b>ට</b> 02'25	
superior conj 8083 Jul 31 20:52 15°Q26'42 0°04'01 minimum elong 8085 Dec 19 06:10 0°₹4'10 5°52'03 op 30'14 minimum elong 8083 Jul 31 19:58 15°Q23'56 0°04'01 minimum elong 8083 Jul 31 19:58 15°Q23'56 0°03'51 8085 Dec 20 10:36 30°8.72 028344 AU minimum elong 8083 Jul 31 19:58 15°Q23'56 0°03'51 morning rise 8085 Dec 24 09:59 27°,73'74'8 1		8083 Jul 19 10:11	$0^{\circ}\Omega$		evening set	8085 Dec 14 01:54	3° <b>る</b> 53'14	
minimum clong 8083 Jul 31 2 0.52 15°\(\alpha\)26'\(\alpha\)27'\(\beta\)275'\(\alpha\)	asc. node	8083 Jul 30 05:23	13° <b>Ω</b> 24'21		inferior conj	8085 Dec 18 20:04	0° <b>る</b> 59'56	-5°54'28
minimum elong   behind sun begin   behind sun begin   behind sun begin   behind sun end   8083 Jul   30 20:39   14°Ω11'38   direct   8085 Dec 20 10:36   30°κ ₹   14°Ω11'38   direct   8086 Dec 24 109:59   27°×37'37'48   14° Ω11'38   direct   8086 Dec 24 109:59   27°×37'37'48   14° Ω1'34   14° Ω1'41   14° Ω2°×37'163   16°Ω36'13   16°Ω36'13   16°Ω36'13   16°Ω36'13   16°Ω36'13   172643 AU   asc. node   8086 Jan   40 01:41   23°×716'36   14° Ω1'41   23°×716'36   14° Ω					minimum elong	8085 Dec 19 06:10	0° <b>る</b> 44'10	5°52'03
behind sun begin   8083 Jul   30   20:39   14° Ω11'38   morning rise   8085 Dec 24   40:59   27° ₹37'48   behind sun end   8083 Aug   01   19:17   16° Ω36'13   82° Ω38'53   1.72643 AU   asc. node   8086 Jan   14   01:41   22° ₹48'29   8083 Aug   21   14:57   0° №   greatest brilliancy   8086 Jan   29   17:20   0° ₹   8083 Aug   21   14:57   0° №   8086 Jan   29   17:20   0° ₹   8083 Aug   21   14:57   0° №   8086 Jan   29   17:20   0° ₹   8086 Jan   29   17	superior conj	8083 Jul 31 20:52	15° <b>Ω</b> 26'42	0°04'01	min. Earth dist.	8085 Dec 19 16:16	0° <b>る</b> 28'27	0.28344 AU
Dehind sun end max. Earth dist.   8083 Aug 01 19:17   16° Ω36'13   18° Ω38'53   1.72643 AU   asc. node   8086 Jan 14 01:41   22° ₹48'29   4.8m   8083 Aug 03 10:53   18° Ω38'53   1.72643 AU   asc. node   8086 Jan 12 06:42   22° ₹06'08   4.8m   8083 Sep 05 21:56   0° Ω   8083 Sep 05 21:56   0° Ω   8086 Jan 29 17:20   0° ₹   8083 Sep 07 06:24   1° Ω39'59   8086 Mar 05 01:29   0° ₹   8083 Sep 07 06:24   1° Ω39'59   8086 Mar 05 01:29   0° ₹   8083 Sep 07 06:24   1° Ω39'59   8086 Mar 05 01:29   0° ₹   808	minimum elong	8083 Jul 31 19:58	15° <b>Ω</b> 23'56	0°03'51		8085 Dec 20 10:36	30°₹ <b>҂</b> 7	
Max. Earth dist.   8083 Aug 03 10:53   18° \$\ 0.38*53   1.72643 AU   asc. node   8086 Jan 14 01:41   23° \$\ 7.1643 AU   8083 Sep 05 21:56   0° \$\ 8083 Sep 05 21:56   0° \$\ 8083 Sep 05 21:56   0° \$\ 8083 Sep 07 06:24   1° \$\ 9.39*59   morning max el   8086 Feb 28 10:03   25° \$\ 7.1613   46° 37′41   8085 Aug 07 10 0°.30   0° \$\ 8083 Sep 30 07:28   0° \$\ 8083 Nov 18 23:04   0° \$\ 7.25′44   0° \$\ 8083 Nov 18 14:32   0° \$\ 8083 Nov 18 14:32   0° \$\ 8084 Jan 07 22:07   0° \$\ 8084 Jan 07 22:07   0° \$\ 8084 Jan 07 22:07   0° \$\ 8084 May 10 06:22   0° \$\ 8084 May 10 06:22   0° \$\ 8084 May 10 10:21   0° \$\ 8084 May 10 10:31   0° \$\ 8084 May 10 10:31   0° \$\ 8084 May 10 12:11   0° \$\ 8084 May 10 12:11   0° \$\ 8084 May 10 10:131   0° \$\ 8084 May 10 10:131   0° \$\ 8084 May 10 10:28   0° \$\ 8084 May 10 10:29   0° \$\ 8084 May 10 10:20   0° \$\ 8084 M	behind sun begin	8083 Jul 30 20:39	14° <b>Ω</b> 11'38		morning rise	8085 Dec 24 09:59	27° <b>∡</b> ³37'48	
8083 Aug 12 14:57 0°№ greatest brilliancy 8086 Jan 20 06:42 25°×306'08 4.8m 8083 Sep 05 21:56 0°£ morning max el 8086 Jan 29 17:20 0°₹ 8083 Sep 07 06:24 1°£39'59 morning max el 8086 Feb 28 10:03 25°₹16'03 46°37'41 8083 Sep 30 07:28 0°M 8086 Apr 08 201:29 0°≈ 8083 Sep 30 07:28 0°M 8086 Apr 08 201:29 0°≈ 8083 Sep 30 07:28 0°M 8086 Apr 08 201:29 0°≈ 8083 Sep 30 07:28 0°M 8086 Apr 08 201:29 0°≈ 8083 Nov 18 23:04 0°₹25'44 8086 Apr 10 99:30 0°↑  8083 Nov 18 14:32 0°₹ desc. node 8086 May 05 19:36 10°Y36'38 8883 Dec 13 14:24 0°≈ 8086 May 05 19:36 10°Y36'38 8883 Dec 13 14:24 0°≈ 8086 May 15 07:04 0°¶ 8086 May 1 19:20 0°₹ 8086 May 1 19:34 0°¶ 8086 May 1 19:24 0°¶ 8086 May 1 19:34 0°¶ 8086 May 1 19:34 0	behind sun end	8083 Aug 01 19:17	16° <b>Ω</b> 36'13		direct	8086 Jan 09 04:01	22° <b>∡</b> ⁴48'29	
evening rise   8083 Sep 05 21:56   0°♣   morning max el   8086 Jan 29 17:20   0°₹   8083 Sep 07 06:24   1°♣39'59   morning max el   8086 Feb 28 10:03   25°₹16'03   46°37'41   8083 Sep 30 07:28   0°™   8086 Mar 05 01:29   0°♠   8083 Nov 18 23:04   0°₹25'44   8086 Apr 05 01:29   0°♠   8083 Nov 18 23:04   0°₹25'44   8086 Apr 05 01:29   0°♠   8083 Nov 18 14:32   0°₹   8086 Apr 05 01:29   0°♠   8083 Nov 18 14:32   0°₹   8086 Apr 05 01:29   0°♠   8083 Nov 18 14:32   0°₹   8086 Apr 05 01:29   0°♠   8083 Nov 18 14:32   0°₹   8086 Apr 05 01:29   0°♠   8083 Nov 18 14:32   0°₹   8086 Apr 05 01:29   0°♠   8083 Nov 18 14:32   0°₹   8086 Apr 05 01:29   0°♠   8084 Jan 07 22:07   0°♣   8086 May 05 19:36   10°¶36'38   8084 Jan 07 22:07   0°♣   8086 May 11 19:20   0°♣   8084 Peb 02 20:08   0°¶   8086 May 11 50':04   0°¶   8084 Peb 02 20:08   0°¶   8086 Aug 20 00:04   0°¶   8084 Mar 01 06:22   0°♣   8086 Aug 26 17:31   29°¶31'23   8084 Mar 10 22:45   9°♣44'30   0°¶   8086 Aug 27 08:39   0°¶   8084 Mar 10 22:45   9°♣44'30   0°¶   8086 Aug 27 08:39   0°¶   8084 Mar 10 22:45   9°♣44'30   49m   8086 Sep 01 22:59   6°¶53'32   8084 May 10 16:28   0°¶0 ¶   1°¶1   8086 May 10 12:59   6°¶53'32   8084 May 10 16:28   0°¶0 ¶   1°¶1   8086 May 10 16:28   22°♣27'35   1°20'33   8084 May 10 16:28   29°♣56'58   8°45'04   max. Earth dist.   8086 Nov 08 09:35   0°♠   8086 Nov 08 09:35   0°♠   1.73319 AU   8086 May 16 16:28   20°♣56'58   8°45'04   max. Earth dist.   8086 Nov 08 09:35   0°♠   8086 Nov 08 09:35   0°♠   1.73319 AU   8086 May 16 16:29   30°♠8   8086 Nov 14 09:49   7°♠24'09   7°♠24'09	max. Earth dist.	8083 Aug 03 10:53	18° <b>Ω</b> 38'53	1.72643 AU	asc. node	8086 Jan 14 01:41	23° <b>х</b> 16′36	
Revening rise   8083 Sep 07 06:24   1°\$\text{23}'\$\text{15}'\$\text{0}'\$\t		8083 Aug 12 14:57	O° My		greatest brilliancy	8086 Jan 20 06:42	25° <b>҂</b> ¹06′08	-4.8m
8083 Sep 30 07:28   0°M   8086 Mar 05 01:29   0°≈   8086 Mar 05 01:29   0°≈   8086 Mar 05 01:29   0°≈   8086 Mar 05 01:29   0°%		8083 Sep 05 21:56	0∘ <b>ত</b>			8086 Jan 29 17:20	ರ°0	
8083 Oct 24 20:35   0°\$\frac{7}{\$\cupe\$}   8088 Apr 01 09:30   0°\$\cupe\$   8088 Nov 18 23:04   0°\$\cupe\$25'44   6882 Nov 18 14:32   0°\$\cup\$   6883 Nov 18 14:32   0°\$\cup\$   6883 Nov 18 14:32   0°\$\cup\$   6883 Nov 18 14:34   0°\$\cup\$   6884 Jan 07 22:07   0°\$\cup\$   8084 Jan 07 22:07   0°\$\cup\$   8084 Jan 07 22:07   0°\$\cup\$   8084 Mar 01 06:22   0°\$\cup\$   8084 Mar 01 06:22   0°\$\cup\$   8084 Mar 01 06:22   0°\$\cup\$   8084 Mar 01 02:45   9°\$\cup\$44'30   8086 Aug 27 08:39   0°\$\cup\$   8086 Sep 01 22:59   6°\$\cup\$5'332   9°\$\cupe\$6 morning set   8084 May 16 16:28   29°\$\cup\$6'58   8°45'04   max. Earth dist.   8086 Nov 08 09:35   0°\$\cup\$   17:31 9°\$\cup\$8   17:31 9 AU 17:31 9 AU 18:28   8086 May 19 18:28   28°\$\cupe\$0'44'   6°\$\cupe\$1.   6°\$\cup\$1.   6°\$\cup\$1	evening rise	8083 Sep 07 06:24	1° <b>≏</b> 39'59		morning max el	8086 Feb 28 10:03	25° <b>පි</b> 16'03	46°37'41
desc. node   8083 Nov 18 23:04   0°₹25'44   desc. node   8086 Apr 26 23:23   0°°↑		8083 Sep 30 07:28				8086 Mar 05 01:29		
8083 Nov 18 14:32 0°♂ desc. node 8086 May 05 19:36 10°Y36'38 8086 May 1 19:20 0°♂ 8086 May 1 19:20 0° 8 8086 Ma			0° <b>∡</b>			8086 Apr 01 09:30		
8083 Dec 13 14:24 0°≈ 8086 May 21 19:20 0°∀ 8086 Jun 15 07:04 0° ∏ 8084 Jun 07 22:07 0° ∀ 8086 Jun 15 07:04 0° ∏ 8086 Jun 15 07:04 0° ∏ 8086 Jun 15 07:04 0° ∭ 90.04 0° © © © © © © © © © © © © © © © © © ©	desc. node	8083 Nov 18 23:04	0°る25'44			8086 Apr 26 23:23		
8084 Jan 07 22:07 0° ★ 8086 Jan 15 07:04 0° Ⅲ 8086 Feb 02 20:08 0° ♀ 8086 Jan 15 07:04 0° Ⅲ 8086 Feb 02 20:08 0° ♀ 8086 Jan 10 09:15:46 0° ♀ 8086 Jan 10 09:10 0° № 8086 Jan 10 09:		8083 Nov 18 14:32			desc. node	8086 May 05 19:36		
8084 Feb 02 20:08 0°Y 8084 Mar 01 06:22 0°と 8086 Aug 03 00:04 0°		8083 Dec 13 14:24				8086 May 21 19:20		
8084 Mar 01 06:22 0°号 46°56′58 asc. node 8086 Aug 03 00:04 0°和 29°和3′23 asc. node 8084 Mar 10 22:45 9°号44′30 8086 Aug 26 17:31 29°和3′23 8086 Aug 27 08:39 0°顺 20°顶 20°顶 20°顶 20°顶 20°顶 20°顶 20°顶 20°顶		8084 Jan 07 22:07				8086 Jun 15 07:04	$\Pi^{\circ}0$	
evening max el 8084 Mar 06 02:42 4°\begin{align*} 46\begin{align*} 56\begin{align*} 58\begin{align*} 8084 Mar 10 22:45  9°\begin{align*} 44\begin{align*} 30\begin{align*} 90\begin{align*} 46\begin{align*} 56\begin{align*} 58\begin{align*} 8086 Aug 26 17:31  29\begin{align*} \Omega 13'23  8086 Aug 27 08:39  0°\begin{align*} 90\begin{align*} 9		8084 Feb 02 20:08						
Solid   Sol		8084 Mar 01 06:22	$9^{\circ}$ 8			8086 Aug 03 00:04	$0 {\circ} \Omega$	
morning set 8084 Apr 04 01:31 0°Ⅱ morning set 8086 Sep 01 22:59 6°№53'32 greatest brilliancy 8084 Apr 15 21:11 6°Ⅱ08'20 -4.9m 8086 Sep 20 17:11 0°₤ retrograde 8084 Apr 25 16:45 7°Ⅱ58'33 evening set 8084 May 13 14:30 1°Ⅱ49'51 superior conj 8086 Oct 08 22:35 22°₤27'35 1°20'33 inferior conj 8084 May 16 09:59 0°Ⅱ06'56 8°45'48 minimum elong 8086 Oct 08 16:25 22°₤08'37 1°20'30 minimum elong 8084 May 16 16:28 29°₺56'58 8°45'04 max. Earth dist. 8086 Oct 09 01:41 22°₤37'09 1.73319 AU min. Earth dist. 8084 May 16 10:01 0° Ⅱ06'53 0.27200 AU 8086 Nov 08 09:35 0°⊀ morning rise 8084 May 1 18:28 28°₺04'41 evening rise 8086 Nov 14 09:49 7°⊀24'09	evening max el	8084 Mar 06 02:42		46°56'58	asc. node	8086 Aug 26 17:31		
greatest brilliancy 8084 Apr 15 21:11 6° \$\text{T08'20}\$ -4.9m 8086 Sep 20 17:11 0° \$\text{\ti}\text{\text{\text{\text{\text{\text{	asc. node	8084 Mar 10 22:45				•		
retrograde 8084 Apr 25 16:45 7° \$\Pi\$58'33 evening set 8084 May 13 14:30 1° \$\Pi\$49'51 superior conj 8086 Oct 08 22:35 22° \$\Pi\$27'35 1°20'33 inferior conj 8084 May 16 09:59 0° \$\Pi\$06'56 8°45'48 minimum elong 8086 Oct 08 16:25 22° \$\Pi\$08'37 1°20'30 minimum elong 8084 May 16 16:28 29° \$\Pi\$56'58 8°45'04 max. Earth dist. 8086 Oct 09 01:41 22° \$\Pi\$37'09 1.73319 AU min. Earth dist. 8084 May 16 10:01 0° \$\Pi\$06'53 0.27200 AU 8086 Oct 15 01:22 0° \$\Pi\$ morning rise 8084 May 19 18:28 28° \$\Pi\$04'41 evening rise 8086 Nov 14 09:49 7° \$\Pi\$24'09		•			morning set	-		
evening set 8084 May 13 14:30 1°II49'51 superior conj 8086 Oct 08 22:35 22°\(\omega\)27'35 1°20'33 inferior conj 8084 May 16 09:59 0°II06'56 8°45'48 minimum elong 8086 Oct 08 16:25 22°\(\omega\)20'37 1°20'30 minimum elong 8084 May 16 16:28 29°\(\omega\)56'58 8°45'04 max. Earth dist. 8086 Oct 09 01:41 22°\(\omega\)37'09 1.73319 AU min. Earth dist. 8084 May 16 10:01 0°II06'53 0.27200 AU 8086 Oct 15 01:22 0°IL 8084 May 16 14:29 30°R\(\omega\)30'R\(\omega\)30'R\(\omega\)8086 Nov 08 09:35 0°\(\omega\)7'\(\omega\)24'09 romorning rise 8084 May 19 18:28 28°\(\omega\)04'41 evening rise 8086 Nov 14 09:49 7°\(\omega\)24'09		-		-4.9m		8086 Sep 20 17:11	0∘ <b>⊽</b>	
inferior conj 8084 May 16 09:59 0° \$\textsf{16:26}\$ 8°45'48 minimum elong 8084 May 16 16:28 29° \$\textsf{26'58}\$ 8°45'04 max. Earth dist. 8086 Oct 09 01:41 22° \$\textsf{23'709}\$ 1.73319 AU 8086 Oct 15 01:22 0° \$\textsf{16:26}\$ 8084 May 16 14:29 30° \$\textsf{808'}\$ May 16 14:29 30° \$\textsf{808'}\$ May 19 18:28 28° \$\textsf{804'41}\$ evening rise 8086 Nov 14 09:49 7° \$\textsf{24'09'}\$ 1.73319 AU	•	-						
minimum elong min. Earth dist. 8084 May 16 16:28 29°\$56'58 8°45'04 max. Earth dist. 8086 Oct 09 01:41 22° ♣37'09 1.73319 AU 8086 May 16 10:01 0° Д06'53 0.27200 AU 8086 Oct 15 01:22 0° Д 70 № № № № № № № № № № № № № № № № № №	evening set	•			superior conj	8086 Oct 08 22:35	22° <b>≏</b> 27'35	
min. Earth dist. 8084 May 16 10:01 0° \$\Pi\06'53\ 0.27200 AU 8086 Oct 15 01:22 0° \$\Pi\\$ 8084 May 16 14:29 30° R\$\Scite 8084 May 19 18:28 28° \$\Scite 04'41\ evening rise 8086 Nov 14 09:49 7° \$\scite 24'09\	·	•			minimum elong			
8084 May 16 14:29 30°R♥ 8086 Nov 08 09:35 0°♥ morning rise 8084 May 19 18:28 28°♥04'41 evening rise 8086 Nov 14 09:49 7°♥24'09	-	•			max. Earth dist.			1.73319 AU
morning rise 8084 May 19 18:28 28°804'41 evening rise 8086 Nov 14 09:49 7°\$\sqrt{2}4'09	min. Earth dist.			0.27200 AU				
		•				8086 Nov 08 09:35		
direct 8084 Jun 06 01:29 22°8 18'38 8086 Dec 02 18:30 0°る	•	•			evening rise			
	direct	8084 Jun 06 01:29	22° <b>8</b> 18'38			8086 Dec 02 18:30	0° <b>ර</b>	

desc. node	8086 Dec 16 10:51	16° <b>පි</b> 49'05		desc. node	8089 Jun 02 07:32	1° <b>8</b> 13'45	
	8086 Dec 27 04:23	0° <b>≈</b>			8089 Jun 27 11:44	$\Pi^{\circ}0$	
	8087 Jan 20 15:09	0° <b>∀</b>			8089 Jul 22 21:01	$0$ $\circ$ $\odot$	
	8087 Feb 14 03:19	$0^{\circ}\mathbf{\Upsilon}$			8089 Aug 16 21:21	$0^{\circ}\Omega$	
	8087 Mar 10 19:46	0°8			8089 Sep 10 16:57	o∘ <b>m</b> p	
	8087 Apr 04 23:38	$\Pi^{\circ}0$		asc. node	8089 Sep 23 05:48	15° m 13'55	
asc. node	8087 Apr 08 10:13	4° <b>Ⅱ</b> 01'30			8089 Oct 05 08:36	0∘ <u>v</u>	
	8087 May 01 07:01	0ಂತಾ			8089 Oct 29 20:24	0°M	
evening max el	8087 May 18 17:14	18° <b>©</b> 23'39	46°46'39	morning set	8089 Nov 09 13:02	13° <b>M</b> 09'13	
Ü	8087 May 30 21:01	$0^{\circ}\Omega$		Č	8089 Nov 23 04:55	0° <b>∡</b> ¹	
greatest brilliancy	8087 Jun 27 01:46	18° <b>Ω</b> 38'03	-4.8m	max. Earth dist.	8089 Dec 14 05:43		1.72826 AU
retrograde	8087 Jul 07 23:00	20° <b>Ω</b> 49'21	.,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,				
evening set	8087 Jul 22 19:42	16° <b>Ω</b> 28'25		superior conj	8089 Dec 16 08:08	28° <b>∡</b> ³36'16	1°00'18
min. Earth dist.	8087 Jul 28 14:32	13° <b>Ω</b> 01'41	0.27904 AU	minimum elong	8089 Dec 16 17:58	29°×706'42	
inferior conj	8087 Jul 29 01:56	12°Ω43'58	0°01'50	minimum ciong	8089 Dec 17 11:11	0°る	1 00 00
minimum elong	8087 Jul 29 02:00	12° <b>Ω</b> 43'52	0°01'42		8090 Jan 10 15:55	0° <b>≈</b>	
transit middle	8087 Jul 29 02:00	12°Ω43'52	0°01'42	desc. node	8090 Jan 12 22:42	2°≈50'04	
transit begin	8087 Jul 28 21:58	12°Ω50'08	0 01 42	evening rise	8090 Jan 23 17:53	16°≈15'02	
transit end	8087 Jul 29 06:02	12° <b>Ω</b> 37'35		evening rise	8090 Feb 03 19:15	0° <b>₩</b>	
desc. node	8087 Jul 29 00:02 8087 Jul 29 04:52	12° <b>Ω</b> 37'35			8090 Feb 03 19:15 8090 Feb 27 21:16	0°Υ	
		9° <b>Ω</b> 00'16			8090 Feb 27 21:16 8090 Mar 23 23:07	0° <b>8</b>	
morning rise	8087 Aug 04 09:04						
direct	8087 Aug 19 04:11	4° <b>Ω</b> 46'58	4.0	1	8090 Apr 17 03:30	0°П	
greatest brilliancy	8087 Aug 28 21:02	6° <b>Ω</b> 29'59	-4.8m	asc. node	8090 May 05 21:50	23° <b>Ⅱ</b> 03'06	
	8087 Oct 01 23:17	0° m/y	4504440		8090 May 11 14:41	0° <b>©</b>	
morning max el	8087 Oct 06 23:03	4° m/40'34	45°44'42		8090 Jun 05 14:56	$0^{\circ}\Omega$	
_	8087 Oct 31 16:17	0∘ <b>⊽</b>			8090 Jul 01 16:01	0° <b>m</b>	
asc. node	8087 Nov 19 04:14	20° <b>Ω</b> 29'54		evening max el	8090 Jul 28 13:37	28° m) 27'38	46°00'30
	8087 Nov 27 11:47	0°M₊			8090 Jul 30 03:30	0∘ <b>⊽</b>	
	8087 Dec 23 00:59	0°⊀		desc. node	8090 Aug 25 16:28	21° <b>≏</b> 57'34	
	8088 Jan 16 21:17	0°ಕ		greatest brilliancy	8090 Sep 05 04:50	27° <b>≏</b> 19'35	-4.7m
	8088 Feb 10 07:29	0° <b>≈</b>		retrograde	8090 Sep 15 22:49	29° <b>≏</b> 26'09	
	8088 Mar 05 11:24	0° <b>∀</b>		evening set	8090 Oct 03 07:58	23° <b>≏</b> 42'34	
desc. node	8088 Mar 09 20:59	5° <b>∺</b> 29'19		min. Earth dist.	8090 Oct 07 04:25	21° <b>≏</b> 20′20	0.29115 AU
	8088 Mar 29 11:10	$0$ ° $\mathbf{\Upsilon}$		inferior conj	8090 Oct 07 12:26	21° <b>≏</b> 07'46	-8°01'02
morning set	8088 Apr 05 07:47	8° <b>Ƴ</b> 36'26		minimum elong	8090 Oct 07 05:27	21° <b>≙</b> 18'43	8°00'14
	8088 Apr 22 08:28	$9^{\circ}$ 8		morning rise	8090 Oct 11 03:00	18° <b>≏</b> 53'38	
				direct	8090 Oct 29 00:19	12° <b>≙</b> 51'39	
superior conj	8088 May 15 23:52	29° <b>8</b> 43'06	-1°23'50	greatest brilliancy	8090 Nov 08 06:09	14° <b>≏</b> 45'09	-4.7m
minimum elong	8088 May 16 06:34	0° <b>Ⅱ</b> 04'06	1°23'53		8090 Dec 02 12:35	0°M	
	8088 May 16 05:15	$\Pi$ $^{\circ}0$		asc. node	8090 Dec 16 15:57	12° <b>M</b> 48'37	
max. Earth dist.	8088 May 18 06:37	2° <b>Ⅱ</b> 34'57	1.71365 AU	morning max el	8090 Dec 17 02:08	13°M13'19	45°52'26
	8088 Jun 09 03:35	$0$ $\circ$ $\odot$			8091 Jan 02 11:03	0° <b>∡</b> ¹	
evening rise	8088 Jun 25 04:38	20° <b>©</b> 01'24			8091 Jan 29 06:51	8°0	
asc. node	8088 Jun 30 19:21	27° <b>©</b> 00'38			8091 Feb 23 16:05	0° <b>≈</b>	
	8088 Jul 03 05:04	$0^{\circ}\Omega$			8091 Mar 20 08:34	0° <b>∀</b>	
	8088 Jul 27 10:47	0° <b>m</b>		desc. node	8091 Apr 07 09:19	22° <b>) (</b> 13′45	
	8088 Aug 20 21:45	0∘ <b>ত</b>			8091 Apr 13 15:48	$0^{\circ}\mathbf{\Upsilon}$	
	8088 Sep 14 16:00	0°M			8091 May 07 17:57	0° <b>႘</b>	
	8088 Oct 09 21:07	0° <b>∡</b> ¹			8091 May 31 18:06	$\Pi^{\circ}0$	
desc. node	8088 Oct 20 13:25	12° <b>∡</b> ¹28'49		morning set	8091 Jun 20 17:30	24° <b>Ⅲ</b> 57′00	
	8088 Nov 04 19:10	o°ප			8091 Jun 24 18:39	$0$ $\circ$ $\mathfrak{S}$	
	8088 Dec 01 22:58	0° <b>≈</b>			8091 Jul 18 21:03	$0^{\circ}\Omega$	
evening max el	8088 Dec 20 21:23	19° <b>≈</b> 22'42	46°13'13				
C	8089 Jan 01 07:40	0° <b>)</b> €		superior conj	8091 Jul 29 11:47	13° <b>Ω</b> 10′36	0°00'27
greatest brilliancy	8089 Jan 29 16:30	18° <b>)</b> 48′23	-4.8m	minimum elong	8091 Jul 29 11:43	13° <b>Ω</b> 10′23	0°00'20
retrograde	8089 Feb 08 10:47	20° <b>)</b> 35′11		behind sun begin	8091 Jul 28 11:52	11° <b>Ω</b> 56'24	
asc. node	8089 Feb 10 13:18	20° <b>)</b> €29'51		behind sun end	8091 Jul 30 11:34	14° <b>Ω</b> 24'21	
evening set	8089 Feb 23 04:47	16° <b>₩</b> 20'08		asc. node	8091 Jul 29 07:20	12° <b>Ω</b> 56'45	
inferior conj	8089 Mar 01 03:58	12° <b>)</b> 49'25	4°35'41	max. Earth dist.	8091 Aug 01 03:13	16° <b>Ω</b> 27'13	1.72603 AU
minimum elong	8089 Feb 28 18:33	13° <b>)</b> €03'53	4°33'04	2000.	8091 Aug 12 01:45	0° my	2005 110
min. Earth dist.	8089 Mar 01 03:31	12° <b>H</b> 50'05	0.27041 AU	evening rise	8091 Sep 04 23:31	البات 29° <b>m</b> ر31'35	
morning rise	8089 Mar 06 07:59	9° <b>)</b> 43'58	0.2,011110	0.0mmg 1100	8091 Sep 05 08:44	0° <b>⊽</b>	
direct	8089 Mar 21 20:29	4° <b>H</b> 59'23			8091 Sep 29 18:25	0° <b>m</b> .	
greatest brilliancy	8089 Mar 31 23:06	6° <b>¥</b> 54'35	-4.9m		8091 Oct 24 07:49	0° <b>√</b> 7	
grounds of mancy	8089 May 03 07:47	0 <b>γ</b> (3433	7.7111	desc. node	8091 Nov 18 01:02	29° <b>∡</b> 56′22	
morning max el	8089 May 11 07:59	7° <b>Υ</b> 49'12	16058152	dese. Houe	8091 Nov 18 01:02 8091 Nov 18 02:14	29 <b>メ</b> ・30 22	
morning max ci	8089 Jun 01 04:55	0° <b>8</b>	TU JU JJ		8091 Dec 13 02:50	0°≈	
	5007 Juli 01 04.33	v O			0071 DCC 13 02.30	· ~	

	8092 Jan 07 11:44	0° <b>)</b> {			8094 Jun 14 18:38	0°Щ	
		0° <b>π</b> 0° <b>Υ</b>					
	8092 Feb 02 11:58				8094 Jul 09 02:53	0°©	
	8092 Mar 01 03:41	0°8	46056110		8094 Aug 02 10:52	0°N	
evening max el	8092 Mar 03 17:19	2° <b>8</b> 36'20	46°56'19	asc. node	8094 Aug 25 19:34	28° <b>Ω</b> 46'59	
asc. node	8092 Mar 10 00:51	8° <b>8</b> 48'58			8094 Aug 26 19:16	0° <b>m</b> )	
	8092 Apr 05 12:33	0°П		morning set	8094 Aug 30 15:42	4° <b>m</b> 44'38	
greatest brilliancy	8092 Apr 13 09:57	3° <b>Ⅱ</b> 43'01	-4.9m		8094 Sep 20 03:42	0∘ <b>⊽</b>	
retrograde	8092 Apr 23 06:42	5° <b>∏</b> 33'53					
	8092 May 10 04:16	30° <b>₹</b> 8		superior conj	8094 Oct 06 16:19	20° <b>≏</b> 22'04	1°19'22
evening set	8092 May 11 06:05	29° <b>8</b> 21'37		minimum elong	8094 Oct 06 09:39	20° <b>≏</b> 01'30	
inferior conj	8092 May 13 23:06	27° <b>8</b> 42'21		max. Earth dist.	8094 Oct 06 20:09		1.73316 AU
minimum elong	8092 May 14 04:46	27° <b>8</b> 33'38	8°52'02		8094 Oct 14 11:51	0° <b>M</b>	
min. Earth dist.	8092 May 13 22:19	27° <b>8</b> 43'33	0.27190 AU		8094 Nov 07 20:08	0° <b>∡</b> ¹	
morning rise	8092 May 17 03:32	25° <b>8</b> 46'14		evening rise	8094 Nov 12 02:44	5° <b>∡</b> 15'52	
direct	8092 Jun 03 15:05	19° <b>8</b> 54'22			8094 Dec 02 05:13	0°₹	
greatest brilliancy	8092 Jun 13 05:45	21° <b>8</b> 39'00	-4.9m	desc. node	8094 Dec 15 12:43	16° <b>る</b> 21'25	
	8092 Jun 28 12:54	$\Pi$ $^{\circ}0$			8094 Dec 26 15:24	0° <b>≈</b>	
desc. node	8092 Jun 29 19:11	0° <b>Ⅱ</b> 54'29			8095 Jan 20 02:34	0° <b>∀</b>	
morning max el	8092 Jul 23 14:25	21° <b>Ⅱ</b> 46′56	46°24'28		8095 Feb 13 15:19	$0^{\circ}$ Y	
	8092 Jul 31 18:04	$0$ $\circ$ $\mathfrak{S}$			8095 Mar 10 08:36	$9^{\circ}$ 8	
	8092 Aug 28 11:31	$0^{\circ}\Omega$			8095 Apr 04 13:55	$\Pi^{\circ}0$	
	8092 Sep 23 17:05	o∘mp		asc. node	8095 Apr 07 12:13	3° <b>Ⅱ</b> 24'55	
	8092 Oct 19 04:50	0∘ <u>⊽</u>			8095 May 01 00:30	0°©	
asc. node	8092 Oct 20 18:04	1° <b>≏</b> 50'48		evening max el	8095 May 16 07:21	16° <b>©</b> 03'37	46°48'02
	8092 Nov 13 04:33	0°M		Z .	8095 May 31 02:05	$0^{\circ}\Omega$	
	8092 Dec 07 19:26	0° <b>⊼</b>		greatest brilliancy	8095 Jun 24 18:39	16° <b>Ω</b> 23'57	-4.8m
	8093 Jan 01 04:02	ਨੂੰ ਹ°ਰ		retrograde	8095 Jul 05 13:41	18° <b>£</b> 33'38	
morning set	8093 Jan 18 03:03	21° <b>る</b> 01'23		evening set	8095 Jul 20 11:37	14° <b>Ω</b> 12'00	
morning sec	8093 Jan 25 08:21	0°≈		inferior conj	8095 Jul 26 16:51	10° <b>Ω</b> 29'09	0°23'44
desc. node	8093 Feb 09 10:48	18° <b>≈</b> 49'25		minimum elong	8095 Jul 26 17:45	10° <b>Ω</b> 27'45	0°23'20
desc. node	8093 Feb 18 09:30	0° <b>∀</b>		min. Earth dist.	8095 Jul 26 06:30	10° <b>Ω</b> 45'15	0.27860 AU
max. Earth dist.	8093 Feb 23 20:56	6° <b>∺</b> 50'59	1.71622 AU	desc. node	8095 Jul 28 06:51	9° <b>Ω</b> 30'17	0.27600 AC
max. Earth dist.	8093 FC0 23 20.30	0 1 30 39	1./1022 AU	morning rise	8095 Aug 02 00:33	6° <b>Ω</b> 44'24	
aumorior comi	8093 Feb 26 16:02	10° <b>)</b> 20′56	0940120	direct	•	2° <b>Ω</b> 32'43	
superior conj					8095 Aug 16 18:12	2 <b>δι</b> 32 43 4° <b>Ω</b> 16'14	4 0
minimum elong	8093 Feb 26 06:46	9° <b>升</b> 51′56	0-39-52	greatest brilliancy	8095 Aug 26 12:04		-4.8m
	8093 Mar 14 08:12	$^{\circ \gamma}$			8095 Oct 01 23:23	0°M) 20 m, 2 €142	45045116
	8093 Apr 07 05:30	0°8		morning max el	8095 Oct 04 12:59	2° m/25'42	45°45'16
evening rise	8093 Apr 07 21:59	0° <b>8</b> 51'45		•	8095 Oct 31 08:11	0° <b>⊽</b>	
	8093 May 01 03:16	0°∏		asc. node	8095 Nov 18 06:06	19° <b>≏</b> 55'56	
	8093 May 25 03:53	0.2			8095 Nov 27 01:01	0° <b>M</b> ₊	
asc. node	8093 Jun 02 09:29	10° <b>©</b> 13'19			8095 Dec 22 12:59	0° <b>∡</b>	
	8093 Jun 18 09:57	$0$ $\circ$ $\Omega$			8096 Jan 16 08:39	0°ಕ	
	8093 Jul 13 00:22	0° <b>m</b>			8096 Feb 09 18:32	0° <b>≈</b>	
	8093 Aug 07 03:47	0∘ <b>⊽</b>			8096 Mar 04 22:17	0° <b>∀</b>	
	8093 Sep 02 05:51	0°M₊		desc. node	8096 Mar 08 22:59	5° <b>米</b> 01'39	
desc. node	8093 Sep 22 03:56	21° <b>M</b> 37'57			8096 Mar 28 21:58	$0^{\circ}$ Y	
	8093 Sep 30 07:38	0° <b>∡</b>		morning set	8096 Apr 02 17:55	6° <b>Y</b> 03'43	
evening max el	8093 Oct 07 14:35	7° <b>∡</b> ¹09'18	45°40'58		8096 Apr 21 19:12	$0^{\circ}$ 8	
	8093 Nov 04 20:04	0°ಕ					
greatest brilliancy	8093 Nov 15 17:14	5° <b>る</b> 10'47	-4.7m	superior conj	8096 May 13 11:13	27° <b>8</b> 14'25	-1°24'55
retrograde	8093 Nov 25 06:00	6° <b>る</b> 49'04		minimum elong	8096 May 13 17:00	27° <b>8</b> 32'36	1°24'58
evening set	8093 Dec 11 19:52	1° <b>る</b> 35'39		max. Earth dist.	8096 May 15 10:15	29° <b>8</b> 42'07	1.71336 AU
	8093 Dec 14 11:40	30°₽ <b>⋌</b>			8096 May 15 15:56	$\Pi^{\circ}0$	
inferior conj	8093 Dec 16 11:15	28° <b>∡</b> ¹46′01	-6°09'27		8096 Jun 08 14:14	0ංම	
minimum elong	8093 Dec 16 21:23	28° <b>∡</b> ³30′11	6°07'08	evening rise	8096 Jun 22 17:25	17° <b>©</b> 38'32	
min. Earth dist.	8093 Dec 17 07:20	28° <b>∡</b> 14'40	0.28400 AU	asc. node	8096 Jun 29 21:22	26° <b>©</b> 33'44	
morning rise	8093 Dec 21 22:29	25° <b>∡</b> ¹27'14			8096 Jul 02 15:44	$0^{\circ}\Omega$	
direct	8094 Jan 06 19:47	20° <b>∡</b> ³34′02			8096 Jul 26 21:31	0° <b>m</b> y	
asc. node	8094 Jan 13 03:41	21° <b>≯</b> 20′13			8096 Aug 20 08:42	0∘ <b>⊽</b>	
greatest brilliancy	8094 Jan 17 22:06	22° <b>х</b> 50′53	-4.8m		8096 Sep 14 03:24	$0^{\circ}$ M	
,	8094 Jan 30 18:25	8°0			8096 Oct 09 09:24	0° <b>∡</b> ¹	
morning max el	8094 Feb 26 00:18	22° <b>る</b> 56'34	46°36'08	desc. node	8096 Oct 19 15:18	11° <b>∡</b> 757'00	
Č	8094 Mar 04 21:25	0° <b>≈</b>			8096 Nov 04 09:09	ರ°0	
	8094 Apr 01 00:40	0° <b>∀</b>			8096 Dec 01 16:38	0° <b>≈</b>	
	.r						
	8094 Apr 26 12:38	$0^{\circ}\mathbf{Y}$		evening max el	8096 Dec 18 10:37	17° <b>≈</b> 02'36	46°11'34
desc. node	8094 Apr 26 12:38 8094 May 04 21:28			evening max el	8096 Dec 18 10:37 8097 Jan 01 14:10	17°≈02'36 0°¥	46°11'34
desc. node	8094 Apr 26 12:38 8094 May 04 21:28 8094 May 21 07:33	0°Y 10°Y03'37 0°8		evening max el greatest brilliancy	8096 Dec 18 10:37 8097 Jan 01 14:10 8097 Jan 27 05:29	17°≈02'36 0°¥ 16°¥25'13	

retrograde	8097 Feb 05 23:43	18° <b>¥</b> 12'12		behind sun begin	8099 Jul 26 03:43	9° <b>Ω</b> 43'44	
asc. node	8097 Feb 03 23:43 8097 Feb 09 15:23	17° <b>H</b> 56'00		behind sun end	8099 Jul 28 03:01	12°Ω10'30	
evening set	8097 Feb  20 15:52	17 <b>X</b> 50 00		asc. node	8099 Jul 28 09:23	$12^{\circ}\Omega 30'15$	
•	8097 Feb 20 13:32 8097 Feb 26 17:03	13 ★3910 10°¥26'02	1011125		8099 Jul 28 09.23 8099 Jul 29 21:04	$12^{\circ} \Omega 30^{\circ} 13$ $14^{\circ} \Omega 20^{\circ} 53$	1.72562 AU
inferior conj				max. Earth dist.			1.72302 AU
minimum elong	8097 Feb 26 08:10	10° <b>)</b> (39'40			8099 Aug 11 12:19	0° Mp	
min. Earth dist.	8097 Feb 26 17:30	10° <b>₩</b> 25'21	0.27061 AU	evening rise	8099 Sep 02 16:42	27° m/24'03	
morning rise	8097 Mar 04 00:07	7° <b>₩</b> 16'35			8099 Sep 04 19:19	0° <b>™</b>	
direct	8097 Mar 19 09:43	2° <b>)</b> ₹35'16			8099 Sep 29 05:07	0° <b>M</b> ₊	
greatest brilliancy	8097 Mar 29 14:06	4° <b>)</b> (32′20	-4.9m		8099 Oct 23 18:47	0° <b>∡</b> ¹	
	8097 May 03 09:23	0° <b>Υ</b>		desc. node	8099 Nov 17 02:59	29° <b>∡</b> ¹27'51	
morning max el	8097 May 08 22:03	5° <b>Y</b> 27'12	46°59'12		8099 Nov 17 13:39	0° <b>ප</b>	
	8097 May 31 21:51	0°8			8099 Dec 12 15:01	0° <b>≈</b>	
desc. node	8097 Jun 01 09:29	0° <b>8</b> 32'26			8100 Jan 07 01:14	0° <b>∀</b>	
	8097 Jun 27 01:44	$\Pi$ $^{\circ}0$			8100 Feb 02 03:55	$0^{\circ}$ Y	
	8097 Jul 22 09:34	$0$ $\circ$ $\odot$			8100 Mar 02 01:49	$0^{\circ}S$	
	8097 Aug 16 09:01	$0$ $^{\circ}$ $\Omega$		evening max el	8100 Mar 02 08:00	_	46°55'17
	8097 Sep 10 04:01	O° Mp		asc. node	8100 Mar 10 02:48	7° <b>8</b> 51'43	
asc. node	8097 Sep 22 07:47	14° Mp 46'56			8100 Apr 08 18:40	$\Pi$ $^{\circ}$ 0	
	8097 Oct 04 19:17	0° <b>⊽</b>		greatest brilliancy	8100 Apr 11 22:53	1° <b>Ⅱ</b> 17'19	-4.9m
	8097 Oct 29 06:52	0° <b>M</b>		retrograde	8100 Apr 21 20:03	3° <b>Ⅱ</b> 08′05	
morning set	8097 Nov 07 06:35	11°ML03'17			8100 May 04 06:02	30° <b>₹</b> 8	
	8097 Nov 22 15:20	0° <b>∡</b> 7		evening set	8100 May 09 21:05	26° <b>8</b> 53'07	
max. Earth dist.	8097 Dec 12 01:40	24° <b>₹</b> 01'01	1.72864 AU	inferior conj	8100 May 12 11:56	25° <b>8</b> 16'56	8°58'29
				minimum elong	8100 May 12 16:45	25° <b>8</b> 09'31	8°58'02
superior conj	8097 Dec 14 00:28	26° <b>₹</b> ¹25'50	1°02'40	min. Earth dist.	8100 May 12 10:31	25° <b>8</b> 19'08	0.27177 AU
minimum elong	8097 Dec 14 10:15	26° <b>₹</b> ¹56'08	1°02'29	morning rise	8100 May 15 12:31	23° <b>8</b> 26'28	
C	8097 Dec 16 21:39	6°0		direct	8100 Jun 02 04:23	17° <b>8</b> 29'23	
	8098 Jan 10 02:31	0° <b>≈</b>		greatest brilliancy	8100 Jun 11 17:29	19° <b>8</b> 12'53	-4.9m
desc. node	8098 Jan 12 00:46	2° <b>≈</b> 23'33		desc. node	8100 Jun 29 21:15	29° <b>8</b> 39'28	
evening rise	8098 Jan 21 08:15	13° <b>≈</b> 57'23			8100 Jun 30 08:04	$0^{\circ}\Pi$	
8 21	8098 Feb 03 06:00	0° <b>)</b> €		morning max el	8100 Jul 22 04:03	19° <b>Ⅱ</b> 25'51	46°26'03
	8098 Feb 27 08:13	$0^{\circ}\Upsilon$		3	8100 Aug 01 13:54	0°ම	
	8098 Mar 23 10:20	0°8			8100 Aug 29 02:33	0°N	
	8098 Apr 16 15:08	0°II			8100 Sep 24 06:03	0° <b>m</b> )	
asc. node	8098 May 04 23:43	22° <b>I</b> 32'04			8100 Oct 19 16:42	0∘ <del>⊽</del>	
use. Houe	8098 May 11 02:56	0°95		asc. node	8100 Oct 20 19:54	° <b>-</b> 21'03	
	8098 Jun 05 04:17	$0^{\circ}\Omega$		use. Houe	8100 Nov 13 15:48	0° <b>M</b>	
	8098 Jul 01 07:41	0° m/y			8100 Dec 08 06:20	0° <b>⊼</b> ¹	
evening max el	8098 Jul 26 05:49	26° M) 16'46	46°02'08		8101 Jan 01 14:46	0∘ਤ	
evening max er	8098 Jul 30 02:06	0° <b>٩</b>	40 02 00	morning set	8101 Jan 16 18:00	18° <b>る</b> 45'37	
desc. node	8098 Aug 24 18:34	0 <b>=</b> 20° <b>£</b> 40'36		morning set	8101 Jan 25 19:02	0°≈	
	8098 Sep 02 19:26	20 <b>≗</b> 40 30 25° <b>£</b> 09'02	-4.7m	daga mada	8101 Jan 23 19:02 8101 Feb 09 12:47	0 ≈ 18°≈22'12	
greatest brilliancy retrograde	8098 Sep 02 19:20 8098 Sep 13 15:52	23 <b>⊆</b> 09 02 27° <b>⊆</b> 17'42	-4./111	desc. node	8101 Feb 19 12.47 8101 Feb 18 20:14	18 <b>≈</b> 22 12 0° <b>H</b>	
evening set	8098 Sep 30 21:16	21° <b>⊆</b> 38'25		max. Earth dist.	8101 Feb 18 20:14 8101 Feb 22 05:25		1.71664 AU
inferior conj	8098 Oct 05 04:46	21 <b>=</b> 38 23 18° <b>£</b> 59'09	7052120	max. Earm dist.	8101 Feb 22 03.23	4 <b>八</b> 1347	1./1004 AU
·	8098 Oct 03 04.40 8098 Oct 04 21:17	18 <b>=</b> 3909 19° <b>£</b> 10'54		superior conj	8101 Feb 25 04:19	7° <b>¥</b> 55'32	0926154
minimum elong min. Earth dist.	8098 Oct 04 21:17 8098 Oct 04 19:20	19 <b>⊆</b> 10 34 19° <b>⊆</b> 13'58	7°52'32 0.29094 AU	minimum elong	8101 Feb 23 04:19 8101 Feb 24 19:42	7° <b>∺</b> 28'36	
	8098 Oct 04 19:20 8098 Oct 08 21:25	19 <b>⊆</b> 13 38 16° <b>⊆</b> 42'12	0.29094 AU	minimum ciong	8101 Mar 14 19:01	7 <b>Λ</b> 2830	0 30 20
morning rise		10° <b>⊆</b> 4212 10° <b>⊆</b> 43'33		ovening rice		28° <b>Y</b> 21'12	
direct greatest brilliancy	8098 Oct 26 16:49 8098 Nov 05 20:58	10° <b>22</b> 43′33 12° <b>2</b> 35′59	4.7m	evening rise	8101 Apr 06 08:58 8101 Apr 07 16:26	0° <b>8</b>	
greatest offinality		0° <b>M</b>	-4./111		-	0°I	
mamina may al	8098 Dec 02 17:37 8098 Dec 14 18:31	11° <b>M</b> .04'19	15051116		8101 May 01 14:18	0°©	
morning max el asc. node		12°M01'34	43 31 10	aga mada	8101 May 25 15:05	0 5 9°5644'33	
asc. node	8098 Dec 15 18:01	12 IIG01 34 0° <b>√</b>		asc. node	8101 Jun 02 11:29	9 <b>3</b> 44 33 0° <b>Ω</b>	
	8099 Jan 02 03:55				8101 Jun 18 21:25		
	8099 Jan 28 20:37	ි. ව°0			8101 Jul 13 12:21	0° <b>m</b> )	
	8099 Feb 23 04:32	0° <b>≈</b>			8101 Aug 07 16:43	0∘ <b>亚</b>	
	8099 Mar 19 20:20	0° <b>)</b> (44112		1 1	8101 Sep 02 20:46	0°M	
desc. node	8099 Apr 06 11:14	21° <b>)</b> 44'12		desc. node	8101 Sep 22 05:49	20°M56'01	
	8099 Apr 13 03:10	0° <b>Υ</b>			8101 Oct 01 03:50	0° <b>⊼</b> ¹	45040140
	8099 May 07 05:02	0° <b>B</b>		evening max el	8101 Oct 06 05:06	4° <b>∡</b> 755'31	45°40'48
	8099 May 31 04:59	0°II			8101 Nov 07 09:13	0°る	
morning set	8099 Jun 18 06:45	22° <b>Ⅲ</b> 34'58		greatest brilliancy	8101 Nov 14 08:33	2°る59'04	-4.7m
	8099 Jun 24 05:23	0°©		retrograde	8101 Nov 23 20:24	4° <b>る</b> 36'52	
	8099 Jul 18 07:41	$0^{\circ}\Omega$			8101 Dec 09 09:18	30°R <b>∡</b> 7	
		_		evening set	8101 Dec 10 14:07	29° <b>∡</b> 18'59 −	
superior conj	8099 Jul 27 02:37	10° <b>Ω</b> 54'50		inferior conj	8101 Dec 15 02:46	26° <b>∡</b> ³33'13	
minimum elong	8099 Jul 27 03:22	10° <b>Ω</b> 57'08	0°03'13	minimum elong	8101 Dec 15 12:53	26° <b>∡</b> 17′25	6°21'30

## Planetary Phenomena of Venus from 7600 through 8102 (UT), Astrodienst AG 18-Feb-2025 14:22, page 101

min. Earth dist.	8101 Dec 15 22:53	26° <b>∡</b> *01'46	0.28452 AU
morning rise	8101 Dec 20 11:10	23° <b>₹</b> 18′02	
direct	8102 Jan 05 11:21	18° <b>⊀</b> 20'38	
asc. node	8102 Jan 13 05:42	19° <b>∡</b> ¹29'03	