superior conj	2000 Jun 11 10:31	20° <b>I</b> I48'01		minimum elong	2002 Oct 31 22:27	7°M37'40	
minimum elong	2000 Jun 11 09:15	20° <b>Ⅱ</b> 44'07	0°06'03	min. Earth dist.	2002 Nov 01 08:07	7°M22'57	0.27088 AU
behind sun begin	2000 Jun 10 12:07	19° <b>∏</b> 39'13		morning rise	2002 Nov 06 03:21	4°M34'19	
behind sun end	2000 Jun 12 06:22	21° <b>Ⅱ</b> 49'02		direct	2002 Nov 21 07:13	0°M03'13	
max. Earth dist.	2000 Jun 11 07:54	20° <b>Ⅱ</b> 39'59	1.73566 AU	asc. node	2002 Nov 24 15:57	0°M16′50	
	2000 Jun 18 22:15	0ංම		greatest brilliancy	2002 Dec 02 06:44	2°M20'20	-4.9m
	2000 Jul 13 08:02	$0^{\circ}\Omega$			2003 Jan 07 13:07	0°⊀	
evening rise	2000 Jul 17 11:57	5° <b>Ω</b> 07'05		morning max el	2003 Jan 11 02:27	3° <b>∡</b> ³34'33	46°57'41
	2000 Aug 06 17:32	0° <b>m</b>			2003 Feb 04 13:27	0°ಕ	
	2000 Aug 31 03:35	0∘ <b>ত</b>			2003 Mar 02 12:40	0° <b>≈</b>	
	2000 Sep 24 15:26	0°M		desc. node	2003 Mar 16 05:37	16° <b>≈</b> 13'47	
desc. node	2000 Sep 28 10:29	4° <b>M</b> ₊38'07			2003 Mar 27 18:14	0° <b>)</b> €	
	2000 Oct 19 06:18	0°⋪			2003 Apr 21 16:18	$0$ ° $\Upsilon$	
	2000 Nov 13 02:14	0°ප			2003 May 16 10:58	0°8	
	2000 Dec 08 08:48	0° <b>≈</b>			2003 Jun 10 03:32	$\Pi$ °0	
	2001 Jan 03 18:14	0° <b>ℋ</b>			2003 Jul 04 17:39	0∘ <b>ௐ</b>	
evening max el	2001 Jan 17 06:09	14° <b>升</b> 17'16	47°05'36	asc. node	2003 Jul 07 08:53	3° <b>©</b> 13'28	
asc. node	2001 Jan 19 13:39	16° <b>)</b> 37′30		morning set	2003 Jul 13 09:02	10° <b>©</b> 34'52	
	2001 Feb 02 19:14	$0$ $^{\circ}$ $\Upsilon$			2003 Jul 29 04:25	$0^{\circ}\Omega$	
greatest brilliancy	2001 Feb 26 15:12	15° <b>Ƴ</b> 39'55	-4.9m	max. Earth dist.	2003 Aug 15 16:06	21° <b>Ω</b> 34'19	1.73042 AU
retrograde	2001 Mar 09 01:07	17° <b>Ƴ</b> 43'46					
evening set	2001 Mar 26 16:11	11° <b>Y</b> 42'31		superior conj	2003 Aug 18 18:05	25° <b>Ω</b> 23'02	1°18'47
inferior conj	2001 Mar 30 04:17	9° <b>Ƴ</b> 31'43	8°01'17	minimum elong	2003 Aug 18 11:53	25° <b>Ω</b> 03'53	1°18'41
minimum elong	2001 Mar 30 11:43	9° <b>Ƴ</b> 19'59	8°00'24		2003 Aug 22 11:36	o° mp	
min. Earth dist.	2001 Mar 29 22:20	9° <b>Ƴ</b> 41'04	0.28187 AU		2003 Sep 15 15:58	0∘ <b>⊽</b>	
morning rise	2001 Apr 03 07:29	6° <b>Ƴ</b> 58'33		evening rise	2003 Sep 24 10:22	10° <b>£</b> 53'51	
direct	2001 Apr 20 04:34	1° <b>Ƴ</b> 27'23		C	2003 Oct 09 18:56	0°M	
greatest brilliancy	2001 Apr 29 17:22	3° <b>Ƴ</b> 07'39	-4.8m	desc. node	2003 Oct 26 22:22	21°M19'37	
desc. node	2001 May 11 03:00	8° <b>Ƴ</b> 41'20			2003 Nov 02 21:42	0° <b>√</b>	
	2001 Jun 06 10:25	0°8			2003 Nov 27 01:07	0° <b>ට</b>	
morning max el	2001 Jun 08 04:41		45°50'18		2003 Dec 21 06:32	0° <b>≈</b>	
8	2001 Jul 05 16:44	0°II			2004 Jan 14 17:16	0° <b>)</b> €	
	2001 Aug 01 12:18	0ಂತಾ			2004 Feb 08 16:20	$0^{\circ}\Upsilon$	
	2001 Aug 27 04:12	$0^{\circ}\Omega$		asc. node	2004 Feb 17 01:36	9° <b>Υ</b> 50'16	
asc. node	2001 Sep 01 06:39	6° <b>Ω</b> 04'47		use. House	2004 Mar 05 18:12	0°8	
use. Hous	2001 Sep 21 02:09	0° <b>m</b> )		evening max el	2004 Mar 29 16:40	25° <b>8</b> 14'45	46°00'16
	2001 Oct 15 11:42	0∘ <b>⊽</b>		evening max er	2004 Apr 03 14:57	0°II	10 00 10
	2001 Nov 08 13:28	0° <b>M</b>		greatest brilliancy	2004 May 06 21:39	23° <b>I</b> I56'09	-4.7m
greatest brilliancy	2001 Nov 26 05:38	22°M10'09	-3 9m	retrograde	2004 May 17 22:28	26° <b>∏</b> 08'18	4.7III
greatest orimancy	2001 Nov 20 03:30 2001 Dec 02 11:11	0°×7	5.7111	evening set	2004 Jun 02 00:07	21° <b>II</b> 43'16	
morning set	2001 Dec 02 11:11 2001 Dec 03 22:56	1° <b>×</b> 752'22		desc. node	2004 Jun 07 14:51	18° <b>Ⅲ</b> 21′26	
desc. node	2001 Dec 21 19:55	24° <b>×</b> <sup>7</sup> 21'47		inferior conj	2004 Jun 08 08:43	17° <b>Ⅲ</b> 53'21	0°10'34
desc. flode	2001 Dec 21 17:35 2001 Dec 26 07:25	0°る		minimum elong	2004 Jun 08 08:20	17° <b>I</b> 53'57	
	2001 DCC 20 07.23	0 0		transit middle	2004 Jun 08 08:20	17° <b>Ⅲ</b> 53'57	
superior conj	2002 Jan 14 11:32	24° <b>る</b> 07'22	0°52'42	transit begin	2004 Jun 08 05:14	17° <b>I</b> I58'50	0 1027
1 5	2002 Jan 13 23:57	24 307 22 23° <b>る</b> 30'55		transit begin	2004 Jun 08 03:14 2004 Jun 08 11:26	17 <b>Ⅱ</b> 38 30	
minimum elong max. Earth dist.	2002 Jan 16 09:00		1.71147 AU	min. Earth dist.	2004 Jun 08 06:58	17° <b>I</b> I49'03	0.28888 AU
max. Latui Uist.	2002 Jan 16 09:00 2002 Jan 19 03:42	20° <b>≈</b>	1./114/ AU	min. Earth dist.	2004 Jun 14 16:52	1/°Щ3606 14°Щ04'50	∪.∠0000 AU
		0° <b>∺</b>				9° <b>П</b> 37'32	
	2002 Feb 12 01:18	0 <del>X</del> 15° <b>¥</b> 41'48		direct	2004 Jun 29 23:15		4.7
evening rise	2002 Feb 24 14:23			greatest brilliancy	2004 Jul 10 04:16	11° <b>Ⅱ</b> 30′16	-4.7m
	2002 Mar 08 01:42	$^{\circ \gamma}$			2004 Aug 07 11:02	0.ಪ	45040150
,	2002 Apr 01 06:39	0° <b>8</b>		morning max el	2004 Aug 17 18:31	9° <b>©</b> 26'32	45°48'58
asc. node	2002 Apr 13 23:28	15° <b>8</b> 36'58			2004 Sep 06 22:16	0°N	
	2002 Apr 25 17:57	0°II		asc. node	2004 Sep 28 18:28	24° <b>Ω</b> 17'26	
	2002 May 20 13:27	0°©			2004 Oct 03 17:20	0° m/y	
	2002 Jun 14 20:16	$\Omega^{\circ}\Omega$			2004 Oct 29 00:39	0∘ <b>亚</b>	
_	2002 Jul 10 21:09	0° <b>m</b> )			2004 Nov 22 13:31	0° <b>M</b>	
desc. node	2002 Aug 03 12:37	25° m 56'42			2004 Dec 16 17:10	0° <b>∡</b>	
	2002 Aug 07 09:09	0ಂ <b>ಹ</b>			2005 Jan 09 16:56	0°ಕ	
evening max el	2002 Aug 22 13:18	15° <b>≏</b> 15'19	46°00'16	desc. node	2005 Jan 18 07:48	10° <b>る</b> 47'54	
	2002 Sep 08 03:05	0°M₊			2005 Feb 02 15:42	0° <b>≈</b>	
greatest brilliancy	2002 Oct 01 15:14	14°M04'44	-4.8m	morning set	2005 Feb 19 04:05	20° <b>≈</b> 40′30	
retrograde	2002 Oct 10 18:35	15°M36'35			2005 Feb 26 15:07	0° <b>∀</b>	
evening set	2002 Oct 26 17:04	10°M43'53			2005 Mar 22 16:25	$0$ ° $\mathbf{Y}$	
inferior conj	2002 Oct 31 12:06	7°M53'26	-5°41'32				

superior conj	2005 Mar 31 03:30	10° <b>Ƴ</b> 31'04	-1°18'27	min. Earth dist.	2007 Aug 18 10:03	24°Ω40'59	0.28816 AU
minimum elong	2005 Mar 31 11:32	10°Υ56'00		morning rise	2007 Aug 21 18:48	22° <b>Ω</b> 37'06	0.20010110
max. Earth dist.	2005 Apr 04 02:17		1.72462 AU	direct	2007 Sep 08 16:14	16° <b>Ω</b> 35'27	
	2005 Apr 15 20:37	0°8		greatest brilliancy	2007 Sep 19 13:41	18° <b>Ω</b> 44'27	-4.8m
evening rise	2005 May 08 16:49	28° <b>8</b> 11'02		· ·	2007 Oct 08 06:53	0° m/	
C	2005 May 10 04:14	0°Щ		asc. node	2007 Oct 27 06:11	16° <b>m</b> 58'56	
asc. node	2005 May 11 11:15	1° <b>∏</b> 35′21		morning max el	2007 Oct 28 15:05	18° <b>m</b> 20'38	46°27'59
	2005 Jun 03 15:18	$0$ $\circ$ $\odot$			2007 Nov 08 21:05	0∘ <b>⊽</b>	
	2005 Jun 28 05:53	$0^{\circ}\Omega$			2007 Dec 05 13:29	$0^{\circ}$ ML	
	2005 Jul 23 01:01	0° <b>m</b>			2007 Dec 30 18:02	0° <b>∡</b> ¹	
	2005 Aug 17 03:05	0∘ <b>⊽</b>			2008 Jan 24 08:06	0°ಕ	
desc. node	2005 Aug 31 00:33	16° <b>≏</b> 23'55		desc. node	2008 Feb 15 19:44	27° <b>る</b> 42'12	
	2005 Sep 11 16:14	0° <b>M</b>			2008 Feb 17 16:22	0° <b>≈</b>	
	2005 Oct 08 01:00	0° <b>∡</b>			2008 Mar 12 22:51	0° <b>∀</b>	
evening max el	2005 Nov 03 19:34	28° <b>∡</b> 28'48	47°06'10		2008 Apr 06 05:35	0° <b>Υ</b>	
	2005 Nov 05 08:10	0°る	4.0		2008 Apr 30 13:34	0°8	
greatest brilliancy	2005 Dec 14 07:35	29° <b>る</b> 31'59	-4.9m	morning set	2008 May 03 01:17	3° <b>8</b> 03'50	
,	2005 Dec 15 15:58	0°≈		1	2008 May 24 22:52	0°II	
asc. node	2005 Dec 22 03:50	1°≈21'58		asc. node	2008 Jun 07 23:08	17° <b>Ⅱ</b> 13′08	
retrograde	2005 Dec 24 09:36	1°≈28'01 30°Ŗる		aumorior comi	2008 Jun 09 04:20	18° <b>Ⅱ</b> 42'50	0°02'56
evening set	2006 Jan 01 20:18 2006 Jan 08 09:05	30 KO 27° <b>ろ</b> 00'49		superior conj minimum elong	2008 Jun 09 04:20 2008 Jun 09 03:42	18 <b>Ⅱ</b> 42 30 18° <b>Ⅱ</b> 40'54	0°02'54
inferior conj	2006 Jan 13 23:59	27 30049 23° <b>3</b> 40'06	5°30'44	behind sun begin	2008 Jun 08 05:18	17° <b>II</b> 32'06	0 02 34
minimum elong	2006 Jan 13 13:50	23° <b>る</b> 55'44	5°28'08	behind sun end	2008 Jun 10 02:05	17 <b>H</b> 32 00 19° <b>H</b> 49'42	
min. Earth dist.	2006 Jan 13 06:16	24°る07'23	0.26649 AU	max. Earth dist.	2008 Jun 09 04:51	18° <b>Ⅱ</b> 44'27	1.73558 AU
morning rise	2006 Jan 18 18:57	20°る48'06	0.20019110	max. Earth dist.	2008 Jun 18 08:49	0°ම	1.75556710
direct	2006 Feb 03 09:19	16°る10'00			2008 Jul 12 18:39	$0 {\circ} \Omega$	
greatest brilliancy	2006 Feb 12 16:13	17° <b>る</b> 39'14	-4.9m	evening rise	2008 Jul 15 06:49	3° <b>Ω</b> 04'56	
8	2006 Mar 05 08:39	0° <b>≈</b>		<i>3</i> 21	2008 Aug 06 04:20	0° m)	
morning max el	2006 Mar 25 06:45	17° <b>≈</b> 58'28	46°31'49		2008 Aug 30 14:41	0∘ <u>⊽</u>	
S	2006 Apr 06 01:21	0° <b>∀</b>			2008 Sep 24 02:59	0° <b>M</b> .	
desc. node	2006 Apr 12 17:19	7° <b>₩</b> 05'21		desc. node	2008 Sep 27 12:27	4°ML08'37	
	2006 May 03 10:25	$0$ ° $\Upsilon$			2008 Oct 18 18:31	0° <b>∡</b> ¹	
	2006 May 29 12:41	0°8			2008 Nov 12 15:25	ರ°0	
	2006 Jun 24 00:31	$\Pi^{\circ}0$			2008 Dec 07 23:37	0° <b>≈</b>	
	2006 Jul 19 02:41	$0$ $\circ$ $\odot$			2009 Jan 03 12:35	0° <b>)</b> €	
asc. node	2006 Aug 03 20:48	19° <b>5</b> 03'40		evening max el	2009 Jan 14 21:24	11° <b>¥</b> 58'34	47°07'21
	2006 Aug 12 20:21	$0 {\circ} \Omega$		asc. node	2009 Jan 18 15:51	15° <b>)</b> 45′58	
	2006 Sep 06 06:15	0° <b>m</b> )			2009 Feb 03 03:41	0° <b>Υ</b>	
morning set	2006 Sep 19 21:10	16° <b>m</b> 53'01		greatest brilliancy	2009 Feb 24 06:17	13° <b>Y</b> 22'42	-4.9m
	2006 Sep 30 10:02	0∘ <b>⊽</b>		retrograde	2009 Mar 06 17:17	15° <b>Y</b> 27′27	
	2006 Oct 24 09:58	0° <b>™</b>		evening set	2009 Mar 24 09:45	9° <b>Y</b> 22'31	
max. Earth dist.	2006 Oct 25 04:00	0°11L56'31	1.71626 AU	inferior conj	2009 Mar 27 19:24	7° <b>Y</b> 15'33	8°09'51
	2006 0 + 27 17 50	40 <b>m</b> 10116	0050102	minimum elong	2009 Mar 28 02:18	7° <b>Υ</b> 04'41	8°09'05
superior conj	2006 Oct 27 17:50	4°M10'16		min. Earth dist.	2009 Mar 27 12:19	7° <b>Y</b> 26'41	0.28147 AU
minimum elong	2006 Oct 28 04:14	4°M42'50 0°⊀	0°57'40	morning rise	2009 Mar 31 19:05	4° <b>Υ</b> 47'57 30° <b>Ŗℋ</b>	
desc. node	2006 Nov 17 08:02 2006 Nov 23 10:11	0 <b>x</b> . 7° <b>x</b> 38'43		direct	2009 Apr 11 12:47 2009 Apr 17 19:24	30 KA 29° <b>∺</b> 11'57	
evening rise	2006 Dec 07 02:24	24° <b>₹</b> 48'50		direct	2009 Apr 17 19:24 2009 Apr 24 07:18	29 <b>γ</b> (1137	
evening rise	2006 Dec 11 05:33	0°る		greatest brilliancy	2009 Apr 27 06:31	0° <b>Υ</b> 51'19	-4.8m
	2007 Jan 04 03:31	0° <b>≈</b>		desc. node	2009 May 10 05:00	7° <b>Υ</b> 22'48	4.011
	2007 Jan 28 03:32	0° <b>∀</b>		morning max el	2009 Jun 05 20:51	29° <b>Υ</b> 30'33	45°51'07
	2007 Feb 21 08:21	o°Υ			2009 Jun 06 09:07	0°8	
asc. node	2007 Mar 16 13:32	28° <b>Y</b> ′21'50			2009 Jul 05 08:23	0°II	
	2007 Mar 17 22:00	0°8			2009 Aug 01 01:28	0ಂತಾ	
	2007 Apr 12 02:15	0° <b>Ⅱ</b>			2009 Aug 26 16:12	$0^{\circ}\Omega$	
	2007 May 08 07:28	0°€		asc. node	2009 Aug 31 08:38	5° <b>Ω</b> 35'21	
	2007 Jun 05 17:59	$0^{\circ}\Omega$			2009 Sep 20 13:32	0° <b>m</b> y	
evening max el	2007 Jun 09 02:45	3° <b>Ω</b> 15′54	45°23'27		2009 Oct 14 22:46	0∘ <b>⊽</b>	
desc. node	2007 Jul 06 02:52	25° <b>Ω</b> 23'30			2009 Nov 08 00:23	0° <b>M</b> ₊	
	2007 Jul 14 18:23	0° m/		greatest brilliancy	2009 Nov 25 18:32	22°M16'30	-3.9m
greatest brilliancy	2007 Jul 17 11:42	1°Mp03'57	-4.7m	morning set	2009 Dec 01 10:19	29°M23'07	
retrograde	2007 Jul 27 17:28	2° m 57'23			2009 Dec 01 22:04	0° <b>∡</b> ¹	
	2007 Aug 09 01:10	30°R <b>Ω</b>		desc. node	2009 Dec 20 22:01	23° <b>∡</b> 54′09	
evening set	2007 Aug 13 21:45	27° <b>Ω</b> 25'46			2009 Dec 25 18:17	0°ರ	
inferior conj	2007 Aug 18 03:41	24° <b>Ω</b> 50'52				<del>-</del>	
minimum elong	2007 Aug 17 20:23	25° <b>Ω</b> 02′13	7°58'04	superior conj	2010 Jan 11 21:06	21° <b>る</b> 32'15	-0°49'27

	2010 I 11 00:52	20075(155	0040150	i. Fach die	2012 I 05 22.52	150π46146	0.20070 ATT
minimum elong max. Earth dist.	2010 Jan 11 09:52 2010 Jan 13 17:06	20°る56'55	1.71129 AU	min. Earth dist. desc. node	2012 Jun 05 23:53 2012 Jun 06 16:56	15° <b>Д</b> 46'46	0.28870 AU
max. Earth dist.	2010 Jan 18 14:35	23 <b>3</b> 037 0° <b>≈</b>	1./1129 AU	morning rise	2012 Jun 12 09:53	13 <b>H</b> 1930	
	2010 Jan 18 14:33 2010 Feb 11 12:10	0° <b>∺</b>		direct	2012 Jun 27 15:07	7° <b>П</b> 29'16	
evening rise	2010 Feb 22 01:26	13° <b>)</b> 12'28		greatest brilliancy	2012 Jul 07 20:07	9° <b>П</b> 21'30	-4.7m
evening rise	2010 Feb 22 01:20 2010 Mar 07 12:33	0° <b>Υ</b>		greatest orimancy	2012 Jul 07 20:07 2012 Aug 07 13:43	0°95	- <del>4</del> ./III
	2010 Mar 31 17:35	0°8		morning max el	2012 Aug 15 09:07	7° <b>©</b> 13'45	45°48'10
asc. node	2010 Apr 13 01:27	15° <b>8</b> 09'13		morning max cr	2012 Nag 15 05:07 2012 Sep 06 14:48	0°Ω	43 40 10
use. Houe	2010 Apr 25 05:05	0°II		asc. node	2012 Sep 27 20:28	23° <b>Ω</b> 42'56	
	2010 May 20 01:05	0°©			2012 Oct 03 06:59	0° m)	
	2010 Jun 14 08:50	$0^{\circ}\Omega$			2012 Oct 28 13:04	0∘ <b>⊽</b>	
	2010 Jul 10 11:32	O° Mp			2012 Nov 22 01:20	$0^{\circ}$ M	
desc. node	2010 Aug 02 14:43	25° m 15'32			2012 Dec 16 04:38	0° <b>∡</b> ¹	
	2010 Aug 07 03:47	0∘ <b>⊽</b>			2013 Jan 09 04:11	გ∘ე	
evening max el	2010 Aug 20 03:48	12° <b>≏</b> 59'17	45°57'59	desc. node	2013 Jan 17 09:55	10°る19'30	
	2010 Sep 08 15:44	0°M			2013 Feb 02 02:47	0° <b>≈</b>	
greatest brilliancy	2010 Sep 29 03:59	11° <b>M</b> .42'49	-4.8m	morning set	2013 Feb 16 14:36	18° <b>≈</b> 08'55	
retrograde	2010 Oct 08 07:05	13°ML13'58			2013 Feb 26 02:03	0° <b>)</b> €	
evening set	2010 Oct 24 09:12	8°M16'58			2013 Mar 22 03:15	$0^{\circ}\mathbf{\Upsilon}$	
inferior conj	2010 Oct 29 01:10	5°M30'25	-5°58'48				
minimum elong	2010 Oct 29 11:39	5° <b>™</b> 14'25	5°56'22	superior conj	2013 Mar 28 17:05	8° <b>Y</b> 10'36	-1°19'53
min. Earth dist.	2010 Oct 29 21:39	4°M59'11	0.27150 AU	minimum elong	2013 Mar 29 00:31	8° <b>Y</b> 33'43	1°19'44
morning rise	2010 Nov 03 13:38	2°M14'42		max. Earth dist.	2013 Apr 01 17:14	13° <b>Y</b> 09'10	1.72406 AU
	2010 Nov 08 03:06	30° <b>Ŗ</b> Ω			2013 Apr 15 07:25	0° <b>႘</b>	
direct	2010 Nov 18 21:18	27° <b>≏</b> 39'26		evening rise	2013 May 06 08:47	25° <b>8</b> 59'11	
asc. node	2010 Nov 23 17:59	28° <b>ഫ</b> 07'29			2013 May 09 15:03	$\Pi$ $^{\circ}0$	
greatest brilliancy	2010 Nov 29 20:43	29° <b>≏</b> 56'10	-4.9m	asc. node	2013 May 10 13:22	1° <b>Ⅲ</b> 08′36	
	2010 Nov 30 00:33	0°M			2013 Jun 03 02:13	$0$ $\circ$	
	2011 Jan 07 12:30	0°⊀			2013 Jun 27 17:03	$0$ ° $\Omega$	
morning max el	2011 Jan 08 16:02	1° <b>₰</b> 09'49	46°57'24		2013 Jul 22 12:41	O°Mp	
	2011 Feb 04 05:58	0°ರ			2013 Aug 16 15:37	0∘ <b>⊽</b>	
	2011 Mar 02 02:39	0° <b>≈</b>		desc. node	2013 Aug 30 02:30	15° <b>≏</b> 50'53	
desc. node	2011 Mar 15 07:30	15° <b>≈</b> 40'14			2013 Sep 11 06:16	0°M₊	
	2011 Mar 27 06:53	0° <b>)</b> (			2013 Oct 07 17:54	0° <b>∡</b>	
	2011 Apr 21 04:06	0° <b>Υ</b>		evening max el	2013 Nov 01 07:59	26° <b>∡</b> '01'29	47°04'26
	2011 May 15 22:12	0° <b>8</b>			2013 Nov 05 08:43	0°る	
	2011 Jun 09 14:23	0°∏		greatest brilliancy	2013 Dec 11 21:27	27°る04'00	-4.9m
,	2011 Jul 04 04:17	0°95		asc. node	2013 Dec 21 06:00	28°る58'24	
asc. node	2011 Jul 06 11:01	2°547'30		retrograde	2013 Dec 21 21:53	28° <b>る</b> 58'57	
morning set	2011 Jul 11 03:13	8°931'05		evening set	2014 Jan 05 18:49	24°る35'46 21°る37'22	0.26612 AU
	2011 Jul 28 14:59	0° <b>Ω</b>	1 72005 ATT	min. Earth dist.	2014 Jan 10 19:54	21° <b>る</b> 3722 21° <b>る</b> 11'59	0.20012 AU 5°11'17
max. Earth dist.	2011 Aug 13 09:24	19° <b>Ω</b> 26'53	1.73085 AU	inferior conj minimum elong	2014 Jan 11 12:24 2014 Jan 11 02:32		5°11'17 5°08'40
superior conj	2011 Aug 16 12:08	23° <b>Ω</b> 17'47	1017122	morning rise	2014 Jan 16 10:32	21 <b>3</b> 2709 18° <b>る</b> 15'43	3 08 40
minimum elong	2011 Aug 16 12:08 2011 Aug 16 05:29	23° <b>Ω</b> 57'15		direct	2014 Jan 31 20:49	18 <b>3</b> 1343	
minimum ciong	2011 Aug 10 03:29 2011 Aug 21 22:11	0° m	1 1/25	greatest brilliancy	2014 Jan 31 20:49 2014 Feb 10 06:14	15° <b>る</b> 13'17	4.0m
	2011 Aug 21 22:11 2011 Sep 15 02:40	0∘ <b>ʊ</b> 0 ıııı		greatest offinalicy	2014 Pcb 10 00:14 2014 Mar 05 21:03	0° <b>≈</b>	-4.9111
evening rise	2011 Sep 13 02:40 2011 Sep 22 02:08	ა <b>—</b> 8° <b>Ω</b> 40'10		morning max el	2014 Mar 03 21:03 2014 Mar 22 19:31	0 <b>∞</b> 15° <b>≈</b> 33'55	46°33'26
evening rise	2011 Oct 09 05:50	0° <b>M</b>		morning max cr	2014 Apr 05 20:31	0° <b>∀</b>	40 33 20
desc. node	2011 Oct 26 00:22	20°M51'20		desc. node	2014 Apr 11 19:23	6°¥22'53	
dese. Hode	2011 Nov 02 08:51	0° <b>%</b>		dese. Hode	2014 May 03 01:21	0° <b>Υ</b>	
	2011 Nov 26 12:36	0° <b>ਨ</b>			2014 May 29 01:45	0°8	
	2011 Dec 20 18:26	0° <b>≈</b>			2014 Jun 23 12:33	0°II	
	2012 Jan 14 05:47	0° <b>)</b> €			2014 Jul 18 14:06	0 ಲ	
	2012 Feb 08 06:01	0° <b>Υ</b>		asc. node	2014 Aug 02 22:48	18° <b>©</b> 35'53	
asc. node	2012 Feb 16 03:35	9° <b>Ƴ</b> 14'32			2014 Aug 12 07:24	$0^{\circ}\Omega$	
	2012 Mar 05 10:25	0°8			2014 Sep 05 17:07	0° m/y	
evening max el	2012 Mar 27 07:44	23° <b>8</b> 00'19	46°02'27	morning set	2014 Sep 17 13:24	14° <b>m</b> 40'36	
Č	2012 Apr 03 15:18	0°Ⅲ		Ç	2014 Sep 29 20:52	0∘ <u>⊽</u>	
greatest brilliancy	2012 May 04 15:22	21° <b>Ⅱ</b> 48'35	-4.8m	max. Earth dist.	2014 Oct 22 18:18	28° <b>≏</b> 36'47	1.71673 AU
retrograde	2012 May 15 14:33	23° <b>Ⅱ</b> 59'32			2014 Oct 23 20:52	$0^{\circ}$ M	
evening set	2012 May 30 17:21	19° <b>Ⅲ</b> 33'39					
inferior conj	2012 Jun 06 01:09	15° <b>Ⅱ</b> 44'46	0°09'21	superior conj	2014 Oct 25 07:31	1°M48'31	1°00'39
minimum elong	2012 Jun 06 01:30	15° <b>Ⅱ</b> 44'14	0°09'14	minimum elong	2014 Oct 25 17:53	2°M21'00	1°00'17
transit middle	2012 Jun 06 01:30	15° <b>Ⅱ</b> 44'14	0°09'14		2014 Nov 16 19:03	0° <b>∡</b> 7	
transit begin	2012 Jun 05 22:10	15° <b>Ⅱ</b> 49′29		desc. node	2014 Nov 22 12:20	7° <b>∡</b> 10'47	
transit end	2012 Jun 06 04:50	15° <b>Ⅲ</b> 38'59		evening rise	2014 Dec 04 13:19	22° <b>҂</b> 17'36	

	2014 Dec 10 16:42	გ∘ე			2017 Apr 28 13:13	0°Ƴ	
	2014 Dec 10 10:42 2015 Jan 03 14:48	0°≈		desc. node	2017 Apr 28 13:13 2017 May 09 07:08	6° <b>Υ</b> 05'22	
	2015 Jan 27 15:00	0 <b>∞</b>		morning max el	2017 Jun 03 12:30	27° <b>Υ</b> 17'53	45051150
	2015 Feb 20 20:05	0 <b>Υ</b> 0° <b>Υ</b>		morning max er	2017 Jun 06 07:27	0° <b>8</b>	45 51 59
aga mada	2015 Feb 20 20:03 2015 Mar 15 15:31	27° <b>Υ</b> '50'58			2017 Jul 05 00:11	0°II	
asc. node	2015 Mar 17 10:15	0° <b>8</b>			2017 Jul 3 00.11 2017 Jul 31 14:54	0°©	
		0°U				0° <b>U</b>	
	2015 Apr 11 15:28	0₀© 0.П		4-	2017 Aug 26 04:30	5° <b>Ω</b> 04'50	
	2015 May 07 22:52			asc. node	2017 Aug 30 10:36		
	2015 Jun 05 15:33	0° <b>N</b>	45022140		2017 Sep 20 01:15	0° <b>m</b> )	
evening max el	2015 Jun 06 18:29	1° <b>Ω</b> 04'50	45°23'40		2017 Oct 14 10:11	0∘ <b>亚</b>	
desc. node	2015 Jul 05 04:59	24° <b>Ω</b> 05'29	4.7	1 . '11'	2017 Nov 07 11:38	0°M	2.0
greatest brilliancy	2015 Jul 15 01:02	28° <b>Ω</b> 50'48	-4.7m	greatest brilliancy	2017 Nov 25 03:07	22°M08'19	-3.9m
	2015 Jul 18 22:38	0° m/y		morning set	2017 Nov 28 22:13	26°M54'32	
retrograde	2015 Jul 25 09:29	0° m/46'23			2017 Dec 01 09:14	0° <b>∡</b> ¹	
	2015 Jul 31 15:27	30°R€		desc. node	2017 Dec 20 00:06	23° <b>∡</b> ¹25'36	
evening set	2015 Aug 11 10:06	25° <b>Ω</b> 18'53			2017 Dec 25 05:26	0°₹	
inferior conj	2015 Aug 15 19:22	22° <b>Ω</b> 39'06				<b></b>	
minimum elong	2015 Aug 15 11:34	22° <b>Ω</b> 51'12		superior conj	2018 Jan 09 07:02	18° <b>ろ</b> 57'28	
min. Earth dist.	2015 Aug 16 00:36	22° <b>Ω</b> 30′58	0.28844 AU	minimum elong	2018 Jan 08 20:15	18° <b>云</b> 23'35	
morning rise	2015 Aug 19 12:50	20° <b>Ω</b> 21'57		max. Earth dist.	2018 Jan 11 01:45	21° <b>る</b> 11'49	1.71112 AU
direct	2015 Sep 06 08:29	14° <b>Ω</b> 23′18			2018 Jan 18 01:44	0° <b>≈</b>	
greatest brilliancy	2015 Sep 17 04:49	16° <b>Ω</b> 31'34	-4.8m		2018 Feb 10 23:20	0° <b>∀</b>	
	2015 Oct 08 17:29	O°My		evening rise	2018 Feb 19 12:30	10° <b>)</b> 42′04	
asc. node	2015 Oct 26 08:17	16° <b>m</b> 09'08			2018 Mar 06 23:45	$0^{\circ}$ Y	
morning max el	2015 Oct 26 07:11	16° Mp 06'25	46°26'29		2018 Mar 31 04:54	$0^{\circ}S$	
	2015 Nov 08 15:31	0∘ <b>⊽</b>		asc. node	2018 Apr 12 03:32	14° <b>8</b> 40'34	
	2015 Dec 05 04:15	0°M			2018 Apr 24 16:40	$\Pi$ $^{\circ}$ 0	
	2015 Dec 30 07:16	0° <b>∡</b> 7			2018 May 19 13:11	$0$ $\circ$ $\odot$	
	2016 Jan 23 20:32	0°ප			2018 Jun 13 21:54	$0 ^{\circ} \Omega$	
desc. node	2016 Feb 14 21:40	27°る11'17			2018 Jul 10 02:32	0° <b>m</b> y	
	2016 Feb 17 04:17	0° <b>≈</b>		desc. node	2018 Aug 01 16:39	24° Mp 32'10	
	2016 Mar 12 10:24	0° <b>∀</b>			2018 Aug 06 23:27	0∘ <b>ত</b>	
	2016 Apr 05 16:50	$0$ ° $\Upsilon$		evening max el	2018 Aug 17 17:31	10° <b>≙</b> 40'09	45°55'40
	2016 Apr 30 00:36	$9^{\circ}$ 8			2018 Sep 09 09:25	0° <b>M</b>	
morning set	2016 Apr 30 17:26	0° <b>8</b> 51'51		greatest brilliancy	2018 Sep 26 17:13	9° <b>M</b> 20′19	-4.8m
	2016 May 24 09:45	$\Pi$ $^{\circ}0$		retrograde	2018 Oct 05 19:04	10°M50'22	
				evening set	2018 Oct 22 01:22	5°M48'55	
superior conj	2016 Jun 06 21:49	16° <b>Ⅱ</b> 35'44	-0°00'21	inferior conj	2018 Oct 26 14:16	3°M06'30	-6°15'23
minimum elong	2016 Jun 06 21:54	16° <b>Ⅱ</b> 35'59	0°00'20	minimum elong	2018 Oct 27 00:48	2°M50'22	6°13'01
behind sun begin	2016 Jun 05 23:15	15° <b>Ⅱ</b> 26′26		min. Earth dist.	2018 Oct 27 11:31	2°M33'59	0.27212 AU
behind sun end	2016 Jun 07 20:32	17° <b>Ⅱ</b> 45'33		morning rise	2018 Oct 31 23:44	29° <b>≏</b> 54'23	
max. Earth dist.	2016 Jun 07 03:29	16° <b>Ⅲ</b> 53'12	1.73547 AU		2018 Oct 31 19:42	30° <b>₹</b> Ω	
asc. node	2016 Jun 07 01:14	16° <b>Ⅱ</b> 46′16		direct	2018 Nov 16 10:51	25° <b>≏</b> 14'32	
	2016 Jun 17 19:39	$0$ $\circ$ $\odot$		asc. node	2018 Nov 22 20:05	26° <b>ഫ</b> 02'09	
	2016 Jul 12 05:34	$0^{\circ}\Omega$		greatest brilliancy	2018 Nov 27 11:14	27° <b>≏</b> 31'34	-4.9m
evening rise	2016 Jul 13 01:40	1° <b>Ω</b> 01'47			2018 Dec 02 17:02	0° <b>M</b>	
	2016 Aug 05 15:27	0° <b>m</b> p		morning max el	2019 Jan 06 04:54	28°M42'12	46°57'22
	2016 Aug 30 02:07	0∘ <b>⊽</b>			2019 Jan 07 11:18	0° <b>∡</b> ¹	
	2016 Sep 23 14:51	$0^{\circ}$ M.			2019 Feb 03 22:29	0°ರ	
desc. node	2016 Sep 26 14:31	3°M38'31			2019 Mar 01 16:45	0° <b>≈</b>	
	2016 Oct 18 07:01	0° <b>∡</b> 7		desc. node	2019 Mar 14 09:37	15° <b>≈</b> 06'41	
	2016 Nov 12 04:54	8°0			2019 Mar 26 19:43	0° <b>∀</b>	
	2016 Dec 07 14:51	0° <b>≈</b>			2019 Apr 20 16:11	$0^{\circ}$ Y	
	2017 Jan 03 07:47	0° <b>∀</b>			2019 May 15 09:46	$_{0\circ}$ 8	
evening max el	2017 Jan 12 13:18	9° <b>)</b> 40′27	47°08'46		2019 Jun 09 01:37	$\Pi^{\circ}0$	
asc. node	2017 Jan 17 17:46	14° <b>¥</b> 51'40			2019 Jul 03 15:18	$0$ $\circ$ $\odot$	
	2017 Feb 03 15:51	$0^{\circ}\mathbf{\Upsilon}$		asc. node	2019 Jul 05 13:00	2° <b>©</b> 19'53	
greatest brilliancy	2017 Feb 21 21:18	11° <b>Y</b> 03'40	-4.9m	morning set	2019 Jul 08 21:14	6° <b>©</b> 25'38	
retrograde	2017 Mar 04 09:09	13° <b>Y</b> '08'50			2019 Jul 28 01:54	$0^{\circ}\Omega$	
evening set	2017 Mar 22 02:59	7° <b>Y</b> ′00'44		max. Earth dist.	2019 Aug 11 03:11	17° <b>Ω</b> 19'55	1.73127 AU
inferior conj	2017 Mar 25 10:17	4° <b>Y</b> 57'13	8°17'38				
minimum elong	2017 Mar 25 16:36	4° <b>Ƴ</b> 47'18	8°17'01	superior conj	2019 Aug 14 06:07	21° <b>Ω</b> 11'22	1°16'12
min. Earth dist.	2017 Mar 25 01:59	5° <b>Ƴ</b> 10′17	0.28105 AU	minimum elong	2019 Aug 13 23:03	20° <b>Ω</b> 49'32	1°16'03
morning rise	2017 Mar 29 06:29	2° <b>Y</b> 34'58			2019 Aug 21 09:06	0° <b>m</b>	
	2017 Apr 03 00:25	30° <b>₹</b> ₩			2019 Sep 14 13:43	0∘ <b>⊽</b>	
direct	2017 Apr 15 10:18	26° <b>)</b> 54'34		evening rise	2019 Sep 19 18:02	6° <b>£</b> 25'58	
greatest brilliancy	2017 Apr 24 19:08	28° <b>)</b> 32′27	-4.8m	-	2019 Oct 08 17:06	0° <b>M</b> ₊	
•							

desc. node	2019 Oct 25 02:30	20°M22'21			2022 Jun 23 00:34	$0^{\circ}\Pi$	
	2019 Nov 01 20:25	0° <b>∡</b> 7			2022 Jul 18 01:32	$0$ $\circ$ $\odot$	
	2019 Nov 26 00:28	o°ප		asc. node	2022 Aug 02 00:48	18° <b>5</b> 07'51	
	2019 Dec 20 06:42	0° <b>≈</b>			2022 Aug 11 18:30	$0^{\circ}\Omega$	
	2020 Jan 13 18:39	0° <b>∀</b>			2022 Sep 05 04:05	0° <b>m</b> )	
	2020 Feb 07 20:02	$_{0}$ ° $\gamma$		morning set	2022 Sep 15 05:45	12° m/28'22	
asc. node	2020 Feb 15 05:37	8° <b>Y</b> 38'09		Č	2022 Sep 29 07:49	0∘ <u>⊽</u>	
	2020 Mar 05 03:07	0°8		max. Earth dist.	2022 Oct 20 08:15		1.71718 AU
evening max el	2020 Mar 24 22:14	20° <b>8</b> 43'48	46°04'39	man. Darm digt.	2022 000 20 00.10	20 —10 .7	1.,1,10110
evening max er	2020 Apr 03 17:11	0°II	40 0437	superior conj	2022 Oct 22 21:17	29° <b>≏</b> 26'53	1°03'07
greatest brilliancy	2020 Apr 03 17:11 2020 May 02 08:51	0 H 19°H40'01	-4.8m	minimum elong	2022 Oct 22 21:17 2022 Oct 23 07:33	29° <b>⊆</b> 59'00	1°02'46
	•	21° <b>I</b> I50'25	-4.0111	minimum clong		29 <b>=</b> 3900	1 02 40
retrograde	2020 May 13 06:45				2022 Oct 23 07:52	0 IIL 0° <b>∡</b> 7	
evening set	2020 May 28 10:49	17° <b>Ⅱ</b> 23'05	0000110		2022 Nov 16 06:09		
inferior conj	2020 Jun 03 17:44	13° <b>Ⅱ</b> 35'40		desc. node	2022 Nov 21 14:21	6° <b>∡</b> ¹42'11	
minimum elong	2020 Jun 03 18:48	13° <b>Ⅲ</b> 33'59	0°28'52	evening rise	2022 Dec 02 00:16	19° <b>∡</b> ¹46'20	
min. Earth dist.	2020 Jun 03 17:05	13° <b>Ⅲ</b> 36'41	0.28858 AU		2022 Dec 10 03:54	0° <b>ප</b>	
desc. node	2020 Jun 05 19:02	12° <b>Ⅱ</b> 18′24			2023 Jan 03 02:10	0° <b>≈</b>	
morning rise	2020 Jun 10 02:56	9° <b>Ⅱ</b> 44'59			2023 Jan 27 02:33	0° <b>ℋ</b>	
direct	2020 Jun 25 06:48	5° <b>Ⅱ</b> 20'12			2023 Feb 20 07:56	$0$ ° $\mathbf{\Upsilon}$	
greatest brilliancy	2020 Jul 05 12:43	7° <b>Ⅱ</b> 12'47	-4.7m	asc. node	2023 Mar 14 17:41	27° <b>Y</b> 20'23	
	2020 Aug 07 15:21	$0$ $\circ$ $\odot$			2023 Mar 16 22:34	$0^{\circ}$ 8	
morning max el	2020 Aug 13 00:14	5° <b>©</b> 01'18	45°47'28		2023 Apr 11 04:47	$\Pi^{\circ}0$	
	2020 Sep 06 07:22	$0^{\circ}\Omega$			2023 May 07 14:25	0°ම	
asc. node	2020 Sep 26 22:39	23° <b>Ω</b> 08′22		evening max el	2023 Jun 04 11:01	28°956'08	45°23'57
	2020 Oct 02 20:48	0° <b>m</b>		Č	2023 Jun 05 13:46	$0^{\circ}\Omega$	
	2020 Oct 28 01:41	0∘ <b>⊽</b>		desc. node	2023 Jul 04 06:53	22° <b>Ω</b> 45'22	
	2020 Nov 21 13:22	0°M		greatest brilliancy	2023 Jul 12 14:43	26° <b>Ω</b> 38'53	-4 7m
	2020 Nov 21 15:22 2020 Dec 15 16:21	0° <b>⊼</b> 7		retrograde	2023 Jul 23 01:33	28°Ω36'12	7.7111
	2020 Dec 13 10:21 2021 Jan 08 15:41	%ਰ		evening set	2023 Aug 08 22:41	23°Ω13'05	
desc. node	2021 Jan 16 11:50	9° <b>る</b> 49'42		•	-	20° <b>Ω</b> 28'14	70/1110
desc. node				inferior conj	2023 Aug 13 11:16	20°Ω41'02	
	2021 Feb 01 14:05	0°≈		minimum elong	2023 Aug 13 03:01		
morning set	2021 Feb 14 01:14	15°≈36'53		min. Earth dist.	2023 Aug 13 15:17	20° <b>Ω</b> 21'59	0.28871 AU
	2021 Feb 25 13:11	0° <b>)</b> €		morning rise	2023 Aug 17 07:12	18° <b>Ω</b> 07'25	
	2021 Mar 21 14:16	$0^{\circ}$ Y		direct	2023 Sep 04 01:20	12° <b>Ω</b> 12'14	
				greatest brilliancy	2023 Sep 14 19:47	14° <b>Ω</b> 19'04	-4.8m
superior conj	2021 Mar 26 06:58	5° <b>Υ</b> 50'28			2023 Oct 09 01:11	0° <b>m</b> )	
minimum elong	2021 Mar 26 13:47	6° <b>Ƴ</b> 11'40		morning max el	2023 Oct 23 23:14	13° <b>m</b> 52'22	46°24'47
max. Earth dist.	2021 Mar 30 06:51	10° <b>Ƴ</b> 48'20	1.72346 AU	asc. node	2023 Oct 25 10:20	15° <b>m</b> 20'10	
	2021 Apr 14 18:22	0°B			2023 Nov 08 09:31	0∘ <b>ত</b>	
evening rise	2021 May 04 01:01	23° <b>8</b> 47'44			2023 Dec 04 18:51	0° <b>M</b> ₊	
	2021 May 09 02:01	$\Pi^{\circ}0$			2023 Dec 29 20:24	0° <b>∡</b> 7	
asc. node	2021 May 09 15:27	0° <b>Ⅱ</b> 41'18			2024 Jan 23 08:50	0°ರ	
	2021 Jun 02 13:19	0°ಲಾ		desc. node	2024 Feb 13 23:46	26° <b>පි</b> 41'10	
	2021 Jun 27 04:27	$0^{\circ}\Omega$			2024 Feb 16 16:05	0° <b>≈</b>	
	2021 Jul 22 00:37	0° mp			2024 Mar 11 21:50	0° <b>∀</b>	
	2021 Aug 16 04:27	0∘ <b>⊽</b>			2024 Apr 05 04:00	$0^{\circ}\mathbf{\Upsilon}$	
desc. node	2021 Aug 29 04:36	15° <b>≏</b> 17'28		morning set	2024 Apr 28 09:39	28° <b>Ƴ</b> 40'19	
	2021 Sep 10 20:39	0°M			2024 Apr 29 11:31	0°8	
	2021 Oct 07 11:21	0° <b>∡</b> 7			2024 May 23 20:30	0°II	
evening max el	2021 Oct 29 20:52	23° <b>×</b> <sup>7</sup> 35'03	47°02'42		202 : 1114) 25 20.50	Ÿ <b>—</b>	
evening max er	2021 Nov 05 10:44	0°る	47 02 42	superior conj	2024 Jun 04 15:34	14° <b>∏</b> 29'51	-0°03'34
greatest brilliancy	2021 Nov 03 10:44 2021 Dec 09 10:49	24° <b>පි</b> 34'54	-4.9m	minimum elong	2024 Jun 04 16:18	14° <b>II</b> 32'07	
-			-4.9111				0 03 32
retrograde	2021 Dec 19 10:36	26° <b>る</b> 29'25		behind sun begin	2024 Jun 03 17:58	13° <b>Ⅱ</b> 23'28	
asc. node	2021 Dec 20 07:58	26°る28'27		behind sun end	2024 Jun 05 14:38	15° <b>Ⅱ</b> 40'45	
evening set	2022 Jan 03 04:45	22° <b>ろ</b> 09'38		max. Earth dist.	2024 Jun 05 03:00	15° <b>Ⅱ</b> 05'01	1.73528 AU
min. Earth dist.	2022 Jan 08 09:19	19° <b>る</b> 06'51	0.26579 AU	asc. node	2024 Jun 06 03:13	16° <b>Ⅱ</b> 19'23	
inferior conj	2022 Jan 09 00:48	18° <b>る</b> 43'08	4°51'07		2024 Jun 17 06:20	0ංම	
minimum elong	2022 Jan 08 15:16	18° <b>る</b> 57'44	4°48'32	evening rise	2024 Jul 10 20:50	29° <b>ട</b> 00'10	
morning rise	2022 Jan 14 02:03	15° <b>る</b> 42'54			2024 Jul 11 16:19	$0^{\circ}\Omega$	
direct	2022 Jan 29 08:46	11° <b>る</b> 04'37			2024 Aug 05 02:23	0° <b>m</b> ∕	
greatest brilliancy	2022 Feb 07 20:00	12° <b>る</b> 46'23	-4.9m		2024 Aug 29 13:23	0∘ <b>⊽</b>	
	2022 Mar 06 06:30	0° <b>≈</b>			2024 Sep 23 02:36	0° <b>M</b> ₊	
morning max el	2022 Mar 20 09:25	13° <b>≈</b> 11'39	46°35'11	desc. node	2024 Sep 25 16:39	3°ML08'57	
-	2022 Apr 05 15:18	0° <b>)</b>			2024 Oct 17 19:28	0° <b>∡</b> ¹	
desc. node	2022 Apr 10 21:30	5° <b>)</b> (40'44			2024 Nov 11 18:26	0°ප	
	2022 May 02 16:10	0° <b>Υ</b>			2024 Dec 07 06:13	0° <b>≈</b>	
	2022 May 28 14:46	0°8			2025 Jan 03 03:24	0° <b>₩</b>	
	2022 May 20 17.70	ÿ <b>O</b>			2023 Juli 03 03.24	· /\	

. ,	2025 1 10 05 02	70 <b>\</b> (01157	47010107		2027 1 00 12 22	001	
evening max el	2025 Jan 10 05:02	7° <b>\</b> 21'57	47°10'07		2027 Jun 08 12:33	0° <b>I</b>	
asc. node	2025 Jan 16 19:50	13° <b>)</b> € 57'01		•	2027 Jul 03 02:02	0°95	
1 '11'	2025 Feb 04 07:57	0° <b>Υ</b>	4.0	asc. node	2027 Jul 04 15:03	1°953'22	
greatest brilliancy	2025 Feb 19 12:47	8° <b>Υ</b> 45'24	-4.9m	morning set	2027 Jul 06 15:14	4°920'58	
retrograde	2025 Mar 02 00:36	10° <b>Υ</b> 50'09		Fth Ji-t	2027 Jul 27 12:31	0° <b>Ω</b>	1.72164 ATT
evening set	2025 Mar 19 19:58	4° <b>Υ</b> 39'32	0.20000 ATT	max. Earth dist.	2027 Aug 08 22:02	15°861/14	1.73164 AU
min. Earth dist.	2025 Mar 22 15:48	2°Υ53'47 2°Υ39'06	0.28060 AU 8°24'41		2027 A 12 00-21	100 000140	1°14'45
inferior conj	2025 Mar 23 01:08	2° <b>Υ</b> 39'06 2° <b>Υ</b> 30'13		superior conj	2027 Aug 12 00:21		
minimum elong	2025 Mar 23 06:46	2° γ 30 13 0° γ 21'57	8-24-12	minimum elong	2027 Aug 11 16:55	18° <b>Ω</b> 43'42	1-14-33
morning rise	2025 Mar 26 17:51 2025 Mar 27 08:41	0° <b>1</b> 21 3 / 30° <b>R <del>) (</del></b>			2027 Aug 20 19:43	0° <b>ट</b> 0° क्र	
4:		30°ξπ 24° <b>)</b> 37'30			2027 Sep 14 00:25		
direct	2025 Apr 13 01:02		4.0	evening rise	2027 Sep 17 10:27	4° <b>£</b> 14'36	
greatest brilliancy	2025 Apr 22 07:56	26° <b>)</b> 13′53 0° <b>°</b>	-4.8M	dd.	2027 Oct 08 03:59	0°M	
4 4-	2025 Apr 30 17:16	0° γ 4° <b>Υ</b> 50'31		desc. node	2027 Oct 24 04:31	19° <b>M.</b> 54'18 0° <b>∡</b> 7	
desc. node	2025 May 08 09:10		45952150		2027 Nov 01 07:35	0° <b>ਨ</b>	
morning max el	2025 Jun 01 03:29	0° <b>8</b>	45°52'59		2027 Nov 25 11:59	0° <b>≈</b>	
	2025 Jun 06 04:43 2025 Jul 04 15:31	0°U			2027 Dec 19 18:40	0° <b>∺</b>	
		0₀© 0.П			2028 Jan 13 07:20 2028 Feb 07 10:01	0° <b>Υ</b>	
	2025 Jul 31 03:57	0°Ω 0-39		asc. node		0° γ 8° <b>Υ</b> 02'22	
	2025 Aug 25 16:27	4° <b>Ω</b> 36'03		asc. node	2028 Feb 14 07:46 2028 Mar 04 20:01		
asc. node	2025 Aug 29 12:49					0° <b>と</b> 18° <b>と</b> 26'54	46907100
	2025 Sep 19 12:39	0 <b>்⊽</b> 0∘மி		evening max el	2028 Mar 22 12:27	0° <b>I</b>	46°07'00
	2025 Oct 13 21:19	0° <b>IL</b>		arrantant brillianass	2028 Apr 03 20:28	17° <b>I</b> I30'33	-4.8m
grantast brillianav	2025 Nov 06 22:40 2025 Nov 24 06:03	21°M42'58	2 0m	greatest brilliancy	2028 Apr 30 01:32	17 <b>Ⅱ</b> 3033	-4.0111
greatest brilliancy			-3.9111	retrograde	2028 May 10 23:03	19 <b>П</b> 41 12 15° <b>П</b> 11'59	
morning set	2025 Nov 26 10:00	24°M26′10 0°⊀		evening set	2028 May 26 04:09 2028 Jun 01 10:00	13° <b>Д</b> 11'39	0°49'06
desc. node	2025 Nov 30 20:14 2025 Dec 19 02:06	0 <b>x</b> ¹ 22° <b>x</b> ¹57'14		inferior conj	2028 Jun 01 10:00 2028 Jun 01 11:48	11° <b>II</b> 20'19	0°48'34
desc. node	2025 Dec 19 02.06 2025 Dec 24 16:26	22 <b>x</b> ·3/14		minimum elong min. Earth dist.	2028 Jun 01 09:49		0.28843 AU
	2023 Dec 24 10.20	0.0		desc. node	2028 Jun 04 20:59	9° <b>I</b> 17'28	0.26643 AU
aumarian aani	2026 Jan 06 16:36	16° <b>る</b> 22'03	0942120		2028 Jun 07 19:34	9 <b>П</b> 17 28 7° <b>П</b> 35'09	
superior conj	2026 Jan 06 06:24	16 <b>3</b> 22 03		morning rise direct	2028 Jun 22 22:13	7 <b>П</b> 33 09 3° <b>П</b> 10'47	
minimum elong max. Earth dist.	2026 Jan 08 06:38		1.71096 AU	greatest brilliancy	2028 Jul	5° <b>П</b> 04'04	-4.7m
max. Earth dist.	2026 Jan 17 12:43	18 <b>6</b> 21 39 0° <b>≈</b>	1.71090 AU	greatest billiancy		0°9	-4./111
	2026 Jan 17 12.43 2026 Feb 10 10:19	0 <b>≈</b> 0° <b>∀</b>		morning may al	2028 Aug 10 16:03	0 55 2°551'20	15016157
evening rise	2026 Feb 16 10:19 2026 Feb 16 23:02	8° <b>∺</b> 10′33		morning max el	2028 Aug 10 16:03 2028 Sep 05 23:18	2 €331 20 0° <b>Ω</b>	43 40 37
evening rise	2026 Mar 06 10:46	0°Υ		asc. node	2028 Sep 03 23.18 2028 Sep 26 00:36	22° <b>Ω</b> 34'19	
	2026 Mar 30 16:01	0° <b>8</b>		asc. node	2028 Sep 20 00:30 2028 Oct 02 10:08	0° My	
asa nada	2026 Mai 30 16.01 2026 Apr 11 05:37	14° <b>8</b> 12'35			2028 Oct 02 10:08 2028 Oct 27 13:52	0∘ <b>ऌ</b> ० ाप्र	
asc. node	2026 Apr 24 04:03	0° <b>Ⅱ</b>			2028 Oct 27 13:32 2028 Nov 21 00:58	0° <b>M</b>	
	2026 May 19 01:05	0°9			2028 Nov 21 00:38 2028 Dec 15 03:39	0° <b>⊼</b> 7	
	2026 May 19 01:03 2026 Jun 13 10:47	0°Ω			2028 Dec 13 03:39 2029 Jan 08 02:47	0°ਤ	
	2026 Jul 13 10.47 2026 Jul 09 17:22	0°Mp		desc. node	2029 Jan 15 13:58	0 3 9° <b>る</b> 21'44	
desc. node	2026 Jul 31 18:49	23° Mp 50'05		desc. Hode	2029 Jan 13 13:38 2029 Feb 01 01:03	9°≈	
desc. Hode	2026 Aug 06 19:13	0° <b>⊽</b>		morning set	2029 Feb	0 ≈ 13°≈04'38	
evening max el	2026 Aug 06 19:13 2026 Aug 15 06:32	0 <b>==</b> 8° <b>£</b> 20'48	45052122	morning set	2029 Feb 25 00:03	0° <b>\</b>	
evening max er	2026 Sep 10 08:07	0°M	43 33 32		2029 Net 23 00:03 2029 Mar 21 01:04	0° <b>Υ</b>	
greatest brilliancy	2026 Sep 24 06:42	7°M00'12	-4.8m		2029 Wai 21 01.04	0 1	
retrograde	2026 Oct 03 07:16	8°M29'28	7.0111	superior conj	2029 Mar 23 20:12	3° <b>Y</b> 28'53	-1°22'19
evening set	2026 Oct 19 17:48	3°M23'11		minimum elong	2029 Mar 24 02:20	3° <b>Υ</b> 47'58	
inferior conj	2026 Oct 19 17:48 2026 Oct 24 03:44	0°M45'03	-6°30'50	max. Earth dist.	2029 Mar 27 17:43		1.72292 AU
minimum elong	2026 Oct 24 14:14	0°M28'57		max. Earth dist.	2029 Apr 14 05:06	0°8	1.722)2 110
min. Earth dist.	2026 Oct 25 01:48		0.27280 AU	evening rise	2029 May 01 16:35	21° <b>8</b> 34'50	
mm. Larm dist.	2026 Oct 25 09:10	30°R <u>Ω</u>	0.27200710	asc. node	2029 May 08 17:24	0° <b>Ⅱ</b> 14'15	
morning rise	2026 Oct 29 10:06	27° <b>£</b> 36'49		use. Hode	2029 May 08 17:24 2029 May 08 12:46	0° <b>П</b>	
direct	2026 Nov 14 00:27	27° <b>⊆</b> 51'49			2029 Jun 02 00:11	0°©	
asc. node	2026 Nov 21 22:05	24° <b>⊆</b> 03'38			2029 Jun 26 15:37	$0 {\circ} \Omega$	
greatest brilliancy	2026 Nov 25 02:39	25° <b>⊆</b> 09'58	-4 9m		2029 Jul 20 13:37 2029 Jul 21 12:21	0° <b>m</b>	
groundst brilliancy	2026 Nov 23 02:39 2026 Dec 04 08:13	0°M	7.7111		2029 Aug 15 17:06	0° <b>ت</b> رازا	
morning max el	2027 Jan 03 17:58	26°M15'57	46°57'01	desc. node	2029 Aug 13 17:00 2029 Aug 28 06:42	0 <b>=</b> 14° <b>£</b> 44'44	
morning max ci	2027 Jan 07 08:53	20 IIC1337 0° <b>⊼</b>	10 5/01	dese. Houe	2029 Aug 28 00:42 2029 Sep 10 10:54	0°M	
	2027 Feb 03 14:31	0°る			2029 Sep 10 10.34 2029 Oct 07 04:47	0° <b>⊼</b> 1	
	2027 Feb 03 14:31 2027 Mar 01 06:32	0° <b>≈</b>		evening max el	2029 Oct 07 04:47 2029 Oct 27 10:52	0° <b>×</b> ¹ 21° <b>×</b> ¹12'55	47°01'08
desc. node	2027 Mar 01 06:32 2027 Mar 13 11:45	0°≈ 14°≈33'57		evening max ei	2029 Oct 27 10:32 2029 Nov 05 13:39	0°る	+/ U1U8
uese. Houe	2027 Mar 13 11:43 2027 Mar 26 08:17	0° <b>\</b>		greatest brilliancy	2029 Nov 05 13:39 2029 Dec 06 23:38	0°る 22° <b>る</b> 06'57	_4 Qm
	2027 Mar 26 08:17 2027 Apr 20 03:57	0° <b>Υ</b>		retrograde	2029 Dec 06 23:38 2029 Dec 16 23:48	22°00637 24° <b>ろ</b> 01'42	<del>-4</del> .7111
	2027 Apr 20 03:37 2027 May 14 21:02	0° <b>∀</b>		asc. node	2029 Dec 16 23:48 2029 Dec 19 09:59	24°601'42 23° <b>6</b> 54'25	
	2021 Iviay 14 21.02	v O		asc. noue	2027 DEC 17 09.39	25 05425	

		<b></b>					
evening set	2029 Dec 31 15:07	19°₹44'57		max. Earth dist.	2032 Jun 03 01:28		1.73513 AU
min. Earth dist.	2030 Jan 05 22:29	16°₹38'33		asc. node	2032 Jun 05 05:19	15° <b>Ⅱ</b> 53'03	
inferior conj	2030 Jan 06 13:18	16°る15'55	4°30'31		2032 Jun 16 17:00	0°©	
minimum elong	2030 Jan 06 04:12	16°る29'48	4°27'57	evening rise	2032 Jul 08 15:38	26°957'28	
morning rise	2030 Jan 11 17:36	13° <b>ට</b> 11'57			2032 Jul 11 03:04	$\Omega^{\circ}$	
direct	2030 Jan 26 21:33	8° <b>ට</b> 37'41	4.0		2032 Aug 04 13:20	0° my	
greatest brilliancy	2030 Feb 05 09:21	10° <b>පි</b> 20'34	-4.9m		2032 Aug 29 00:40	0∘ <b>⊽</b>	
	2030 Mar 06 12:51	0°≈	46026120		2032 Sep 22 14:23	0°M	
morning max el	2030 Mar 17 23:55	10°≈51'53	46°36'30	desc. node	2032 Sep 24 18:36	2°M38'50	
	2030 Apr 05 09:19	0° <b>)</b> (			2032 Oct 17 08:00	0° ⊀ <sup>7</sup>	
desc. node	2030 Apr 09 23:29	4° <b>)</b> 59'31			2032 Nov 11 08:04	% ප	
	2030 May 02 06:37	0° <b>Υ</b>			2032 Dec 06 21:48	0° <b>≈</b>	
	2030 May 28 03:33	0°8			2033 Jan 02 23:35	0° <b>∀</b>	
	2030 Jun 22 12:23	0°Щ		evening max el	2033 Jan 07 20:06	5° <b>)</b> €01'47	47°11'27
	2030 Jul 17 12:46	0°9		asc. node	2033 Jan 15 22:02	13° <b>)</b> €01'42	
asc. node	2030 Aug 01 02:58	17° <b>©</b> 40'57			2033 Feb 05 05:27	0° <b>Υ</b>	
	2030 Aug 11 05:24	$0$ $\circ$ $\Omega$		greatest brilliancy	2033 Feb 17 04:53	6° <b>Y</b> 28'07	-4.9m
	2030 Sep 04 14:50	0° <b>т</b> р		retrograde	2033 Feb 27 15:41	8° <b>Ƴ</b> 31'52	
morning set	2030 Sep 12 21:57	10° Mp 16'27		evening set	2033 Mar 17 12:49	2° <b>Y</b> 19′17	
	2030 Sep 28 18:34	0 <b>்⊽</b>		inferior conj	2033 Mar 20 16:05	0° <b>Y</b> 21′38	8°30'58
max. Earth dist.	2030 Oct 17 20:00	23° <b>≏</b> 48'36	1.71760 AU	minimum elong	2033 Mar 20 21:01	0° <b>Υ</b> 13'51	8°30'36
				min. Earth dist.	2033 Mar 20 06:02	0° <b>Ƴ</b> 37'30	0.28011 AU
superior conj	2030 Oct 20 11:12	27° <b>≏</b> 06'24	1°05'28		2033 Mar 21 05:49	30°₽ <b>升</b>	
minimum elong	2030 Oct 20 21:17	27° <b>≏</b> 37'57	1°05'10	morning rise	2033 Mar 24 05:29	28° <b>)</b> €09'17	
	2030 Oct 22 18:40	0° <b>M</b>		direct	2033 Apr 10 15:27	22° <b>)</b> €21′03	
	2030 Nov 15 17:01	0° <b>∡</b> ¹		greatest brilliancy	2033 Apr 19 21:18	23° <b>¥</b> 56′23	-4.8m
desc. node	2030 Nov 20 16:21	6° <b>⊀</b> 14'17			2033 May 02 03:13	$0^{\circ}$ Y	
evening rise	2030 Nov 29 11:26	17° <b>∡</b> 16′28		desc. node	2033 May 07 11:11	3° <b>Ƴ</b> 38'19	
	2030 Dec 09 14:52	ರ°0		morning max el	2033 May 29 17:32	22° <b>Ƴ</b> 47'59	45°53'53
	2031 Jan 02 13:14	0° <b>≈</b>			2033 Jun 06 01:09	0° <b>႘</b>	
	2031 Jan 26 13:49	0° <b>)</b> €			2033 Jul 04 06:37	$\Pi^{\circ}0$	
	2031 Feb 19 19:30	$0$ ° $\mathbf{\gamma}$			2033 Jul 30 17:00	$0$ $\circ$ $\mathfrak{S}$	
asc. node	2031 Mar 13 19:41	26° <b>Ƴ</b> 50'03			2033 Aug 25 04:29	$\mathfrak{O}_{\circ} \mathfrak{O}$	
	2031 Mar 16 10:42	$B_{\circ 0}$		asc. node	2033 Aug 28 14:47	4° <b>Ω</b> 06′15	
	2031 Apr 10 18:01	$\Pi^{\circ}0$			2033 Sep 19 00:09	0° <b>m</b> )	
	2031 May 07 06:06	0ංම			2033 Oct 13 08:32	0∘ <mark>⊽</mark>	
evening max el	2031 Jun 02 03:34	26°947'28	45°24'11		2033 Nov 06 09:45	0°M	
· ·	2031 Jun 05 12:57	$0^{\circ}\Omega$		greatest brilliancy	2033 Nov 22 18:54	20°M33'07	-3.9m
desc. node	2031 Jul 03 09:03	21° <b>Ω</b> 22'49		morning set	2033 Nov 23 21:41	21°M57'15	
greatest brilliancy	2031 Jul 10 04:57	24° <b>Ω</b> 27'26	-4.7m	Č	2033 Nov 30 07:17	0° <b>∡</b> ¹	
retrograde	2031 Jul 20 17:08	26° <b>Ω</b> 25'37		desc. node	2033 Dec 18 04:11	22° <b>₹</b> '28'58	
evening set	2031 Aug 06 11:10	21° <b>Ω</b> 07'13			2033 Dec 24 03:31	0°る	
inferior conj	2031 Aug 11 03:01	18° <b>Ω</b> 17'13	-7°31'36				
minimum elong	2031 Aug 10 18:22	18° <b>Ω</b> 30'41	7°30'21	superior conj	2034 Jan 04 02:10	13° <b>る</b> 46'23	-0°39'06
min. Earth dist.	2031 Aug 11 06:01	18° <b>Ω</b> 12'32	0.28893 AU	minimum elong	2034 Jan 03 16:36	13° <b>る</b> 16'17	
morning rise	2031 Aug 15 01:26	15° <b>£</b> 52'32		max. Earth dist.	2034 Jan 05 08:27	15° <b>る</b> 21'36	1.71083 AU
direct	2031 Sep 01 17:57	10° <b>Ω</b> 01'11			2034 Jan 16 23:49	0° <b>≈</b>	
greatest brilliancy	2031 Sep 12 10:29	12° <b>Ω</b> 06'14	-4.8m		2034 Feb 09 21:23	0° <b>)</b> €	
· ·	2031 Oct 09 06:33	0° m		evening rise	2034 Feb 14 09:36	5° <b>)</b> 38'45	
morning max el	2031 Oct 21 14:12	11° <b>m</b> 35'59	46°23'07	C	2034 Mar 05 21:51	$0^{\circ}\Upsilon$	
asc. node	2031 Oct 24 12:22	14° m) 32'11			2034 Mar 30 03:12	0°8	
	2031 Nov 08 02:59	$0$ o $\overline{\mathbf{v}}$		asc. node	2034 Apr 10 07:36	13° <b>8</b> 44'05	
	2031 Dec 04 09:09	0° <b>M</b>			2034 Apr 23 15:30	0° <b>Ⅱ</b>	
	2031 Dec 29 09:17	0° <b>∡</b> ¹			2034 May 18 13:05	0ಂತಾ	
	2032 Jan 22 20:56	0°ਰ			2034 Jun 12 23:49	$0^{\circ}\Omega$	
desc. node	2032 Feb 13 01:53	26° <b>ට</b> 11'40			2034 Jul 09 08:34	0° m)	
door. Hode	2032 Feb 16 03:41	0°≈		desc. node	2034 Jul 30 20:52	23° Mp 06'28	
	2032 Mar 11 09:04	0° <b>)</b> €			2034 Aug 06 15:55	0° <u>م</u>	
	2032 Apr 04 14:58	0° <b>Υ</b>		evening max el	2034 Aug 12 19:00	o <b>—</b> 5° <b>Ω</b> 59'32	45°51'21
morning set	2032 Apr 04 14:56 2032 Apr 26 01:56	26° <b>Y</b> 29'20		2	2034 Sep 11 16:18	0° <b>™</b>	5121
morning set	2032 Apr 28 22:18	0° <b>8</b>		greatest brilliancy	2034 Sep 11 10:18 2034 Sep 21 19:46	4°M38'37	-4.8m
	2032 Apr 28 22.18 2032 May 23 07:10	0°II		retrograde	2034 Sep 21 19:40 2034 Sep 30 19:37	6°M07'43	1.0111
	2032 Iviay 23 07.10	ν <u>н</u>		evening set	2034 Sep 30 19.37 2034 Oct 17 10:05	0°M56'15	
superior conj	2032 Jun 02 09:07	12° <b>Ⅲ</b> 23'32	-0°06'47	evening set	2034 Oct 17 10:03 2034 Oct 19 00:40	0 IIC30 13 30°RΩ	
minimum elong	2032 Jun 02 09:07 2032 Jun 02 10:33	12 <b>II</b> 23 32 12° <b>II</b> 27'56		inferior conj	2034 Oct 19 00.40 2034 Oct 21 17:04	30 K== 28° <b>£</b> 22'30	-6°45'34
behind sun begin	2032 Jun 01 13:40	12 <b>H</b> 27 30	0 00 73	minimum elong	2034 Oct 21 17:04 2034 Oct 22 03:27	28° <b>£</b> 06'36	
behind sun begin	2032 Jun 03 07:26	13° <b>II</b> 32'06		min. Earth dist.	2034 Oct 22 03:27 2034 Oct 22 15:50		0.27350 AU
ochina sun cha	2032 Jun 03 07.20	15 113200		mm. Bartii uist.	2007 OCL 22 13.30	∠; <del>==4</del> /40	0.21330 AU

morning rise	2034 Oct 26 20:15	25° <b>≏</b> 18'41			2037 May 07 23:51	$\Pi$ $\circ$ 0	
direct	2034 Nov 11 14:02	20° <b>£</b> 27'53			2037 Jun 01 11:23	0ංඔ	
asc. node	2034 Nov 21 00:09	22° <b>≏</b> 08'45			2037 Jun 26 03:06	$0$ $\circ$ $\Omega$	
greatest brilliancy	2034 Nov 22 18:05	22° <b>≏</b> 47'37	-4.9m		2037 Jul 21 00:23	0° <b>m</b> )	
	2034 Dec 05 12:04	$0^{\circ}$ M			2037 Aug 15 06:06	0。 <b>ಹ</b>	
morning max el	2035 Jan 01 07:27	23°M50'05	46°56'45	desc. node	2037 Aug 27 08:39	14° <b>≙</b> 10'37	
	2035 Jan 07 06:00	0° <b>∡</b> ¹			2037 Sep 10 01:38	0° <b>M</b> ₊	
	2035 Feb 03 06:29	0°る			2037 Oct 06 23:03	0° <b>∡</b> ¹	
	2035 Feb 28 20:23	0° <b>≈</b>		evening max el	2037 Oct 25 01:24	18° <b>∡</b> 50′50	46°59'07
desc. node	2035 Mar 12 13:40	14° <b>≈</b> 00′07			2037 Nov 05 18:58	0° <b>ರ</b>	
	2035 Mar 25 20:56	0° <b>∀</b>		greatest brilliancy	2037 Dec 04 12:07	19° <b>る</b> 36'35	-4.9m
	2035 Apr 19 15:52	$0$ ° $\Upsilon$		retrograde	2037 Dec 14 12:47	21° <b>る</b> 31'16	
	2035 May 14 08:26	$8^{\circ}$ 0		asc. node	2037 Dec 18 12:10	21° <b>る</b> 11'37	
	2035 Jun 07 23:37	$\Pi$ $^{\circ}0$		evening set	2037 Dec 29 01:26	17° <b>る</b> 17'39	
	2035 Jul 02 12:53	$0$ $\circ$ $\mathfrak{s}$		min. Earth dist.	2038 Jan 03 11:23	14° <b>る</b> 07'33	0.26523 AU
asc. node	2035 Jul 03 17:11	1° <b>5</b> 26'39		inferior conj	2038 Jan 04 01:27	13° <b>る</b> 46'05	4°08'59
morning set	2035 Jul 04 09:30	2° <b>©</b> 16'36		minimum elong	2038 Jan 03 16:54	13° <b>る</b> 59'09	4°06'30
	2035 Jul 26 23:18	$0^{\circ}\Omega$		morning rise	2038 Jan 09 08:43	10° <b>る</b> 38'26	
max. Earth dist.	2035 Aug 06 19:10	13° <b>Ω</b> 20'56	1.73207 AU	direct	2038 Jan 24 10:20	6° <b>る</b> 08'23	
				greatest brilliancy	2038 Feb 02 22:12	7° <b>る</b> 51'50	-4.9m
superior conj	2035 Aug 09 18:40	17° <b>Ω</b> 01'39	1°13'13		2038 Mar 06 17:53	0° <b>≈</b>	
minimum elong	2035 Aug 09 10:54	16° <b>Ω</b> 37'41	1°13'01	morning max el	2038 Mar 15 13:50	8° <b>≈</b> 29'03	46°37'56
	2035 Aug 20 06:33	0° <b>m</b>			2038 Apr 05 03:23	0° <b>∀</b>	
	2035 Sep 13 11:24	0∘ <b>ত</b>		desc. node	2038 Apr 09 01:35	4° <b>){</b> 17'45	
evening rise	2035 Sep 15 02:55	2° <b>ჲ</b> 02'36			2038 May 01 21:17	$0^{\circ}\mathbf{\Upsilon}$	
	2035 Oct 07 15:13	0° <b>M</b> ,			2038 May 27 16:34	0°8	
desc. node	2035 Oct 23 06:31	19° <b>M</b> ⋅25'06			2038 Jun 22 00:29	$\Pi^{\circ}$ 0	
	2035 Oct 31 19:06	0° <b>∡</b> ¹			2038 Jul 17 00:17	$0$ $\circ$ $\odot$	
	2035 Nov 24 23:51	0°ප		asc. node	2038 Jul 31 04:57	17° <b>©</b> 12'35	
	2035 Dec 19 07:00	0° <b>≈</b>			2038 Aug 10 16:34	$0^{\circ}\Omega$	
	2036 Jan 12 20:24	0° <b>∀</b>			2038 Sep 04 01:51	0° <b>m</b> )	
	2036 Feb 07 00:26	$0^{\circ}\mathbf{\Upsilon}$		morning set	2038 Sep 10 14:41	8° <b>m</b> 05'31	
asc. node	2036 Feb 13 09:44	7° <b>Y</b> 24'53		-	2038 Sep 28 05:33	0∘ <b>⊽</b>	
	2036 Mar 04 13:34	$8^{\circ}$		max. Earth dist.	2038 Oct 15 07:23	21° <b>≏</b> 19'35	1.71809 AU
evening max el	2036 Mar 20 03:25	16° <b>8</b> 11'03	46°09'29				
	2036 Apr 04 01:54	$\Pi$ $^{\circ}0$		superior conj	2038 Oct 18 01:41	24° <b>≏</b> 46'56	1°07'41
greatest brilliancy	2036 Apr 27 17:57	15° <b>Ⅱ</b> 20'15	-4.8m	minimum elong	2038 Oct 18 11:31	25° <b>₽</b> 17'42	1°07'23
retrograde	2036 May 08 15:58	17° <b>Ⅲ</b> 31'42			2038 Oct 22 05:43	$0^{\circ}$ M	
evening set	2036 May 23 21:47	13° <b>Ⅱ</b> 00′22			2038 Nov 15 04:12	0° <b>∡</b> ¹	
inferior conj	2036 May 30 02:25	9° <b>Ⅱ</b> 16'35		desc. node	2038 Nov 19 18:31	5° <b>∡</b> ¹45'52	
minimum elong	2036 May 30 04:56	9° <b>∏</b> 12'38	1°08'13	evening rise	2038 Nov 26 22:43	14° <b>∡</b> ¹45'54	
min. Earth dist.	2036 May 30 02:19		0.28826 AU		2038 Dec 09 02:12	0°ප	
desc. node	2036 Jun 03 23:07	6° <b>Ⅱ</b> 17'53			2039 Jan 02 00:46	0° <b>≈</b>	
morning rise	2036 Jun 05 12:13	5° <b>Ⅱ</b> 25'22			2039 Jan 26 01:32	0° <b>∀</b>	
direct	2036 Jun 20 14:12	1° <b>Ⅱ</b> 01'07			2039 Feb 19 07:32	0° <b>Υ</b>	
greatest brilliancy	2036 Jun 30 21:02	2° <b>∏</b> 54'47	-4.7m	asc. node	2039 Mar 12 21:41	26° <b>Y</b> 18′25	
	2036 Aug 07 14:37	0			2039 Mar 15 23:17	0° <b>8</b>	
morning max el	2036 Aug 08 08:37	0°9542'50	45°46'23		2039 Apr 10 07:45	$\Pi$ $\circ$ 0	
	2036 Sep 05 15:12	$0 { m s} \Omega$			2039 May 06 22:26	$0$ $\circ$	
asc. node	2036 Sep 25 02:39	21° <b>Ω</b> 59'56		evening max el	2039 May 30 19:33	24° <b>©</b> 36'33	45°24'34
	2036 Oct 01 23:39	0° <b>m</b>			2039 Jun 05 13:35	$0$ $\circ$ $\Omega$	
	2036 Oct 27 02:21	0∘ <b>ত</b>		desc. node	2039 Jul 02 11:08	19° <b>Ω</b> 56'55	
	2036 Nov 20 12:57	0°M₊		greatest brilliancy	2039 Jul 07 20:09	22° <b>Ω</b> 16'41	-4.7m
	2036 Dec 14 15:21	0°⊀		retrograde	2039 Jul 18 08:36	24° <b>Ω</b> 15′04	
	2037 Jan 07 14:16	0°ಕ		evening set	2039 Aug 03 23:58	19° <b>Ω</b> 01′24	
desc. node	2037 Jan 14 16:04	8° <b>る</b> 52'25		inferior conj	2039 Aug 08 19:02	16° <b>Ω</b> 06′26	
	2037 Jan 31 12:23	0° <b>≈</b>		minimum elong	2039 Aug 08 10:03	16° <b>Ω</b> 20'27	
morning set	2037 Feb 08 21:37	10° <b>≈</b> 30'32		min. Earth dist.	2039 Aug 08 21:24	16° <b>Ω</b> 02'45	0.28909 AU
	2037 Feb 24 11:15	0° <b>)</b> (		morning rise	2039 Aug 12 20:00	13° <b>Ω</b> 37'41	
	2037 Mar 20 12:10	$0^{\circ}\mathbf{\Upsilon}$		direct	2039 Aug 30 10:14	7° <b>Ω</b> 50′23	
				greatest brilliancy	2039 Sep 10 01:44	9° <b>Ω</b> 53'59	-4.8m
superior conj	2037 Mar 21 09:16	1° <b>Y</b> 05′39			2039 Oct 09 10:10	0° <b>™</b>	
minimum elong	2037 Mar 21 14:38	1° <b>Υ</b> 22'21		morning max el	2039 Oct 19 04:21	9° <b>m</b> ,17′23	46°21'31
max. Earth dist.	2037 Mar 25 06:07	5° <b>Y</b> 54'30	1.72238 AU	asc. node	2039 Oct 23 14:27	13° <b>m</b> 44'49	
	2037 Apr 13 16:10	0°8			2039 Nov 07 20:13	0∘ <b>ত</b>	
evening rise	2037 Apr 29 08:12	19° <b>8</b> 21'03			2039 Dec 03 23:27	0° <b>M</b>	
asc. node	2037 May 07 19:32	29° <b>8</b> 46'45			2039 Dec 28 22:19	0° <b>⊼</b>	

	2040 Jan 22 09:17	0°ಕ			2042 Jul 09 00:03	0° <b>m</b>	
desc. node	2040 Feb 12 03:49	25° <b>る</b> 40'38		desc. node	2042 Jul 29 22:49	البات 22°Mp21'55	
dese. Hode	2040 Feb 15 15:35	0°≈		desc. node	2042 Aug 06 13:20	0° <b>ʊ</b>	
	2040 Mar 10 20:39	0° <b>)</b> €		evening max el	2042 Aug 10 07:51	3° <b>Ω</b> 39'25	45°49'25
	2040 Apr 04 02:16	$0^{\circ}\Upsilon$		8	2042 Sep 13 15:31	0°M₊	
morning set	2040 Apr 23 17:40	24° <b>Ƴ</b> 15'43		greatest brilliancy	2042 Sep 19 08:16	2°M17'05	-4.8m
C	2040 Apr 28 09:22	0°8		retrograde	2042 Sep 28 08:41	3°M46'49	
	2040 May 22 18:06	$\Pi^{\circ}0$			2042 Oct 12 08:15	30° <b>₽</b> Ω	
	•			evening set	2042 Oct 15 02:28	28° <b>≏</b> 29'55	
superior conj	2040 May 31 02:25	10° <b>Ⅱ</b> 15'40	-0°10'01	inferior conj	2042 Oct 19 06:29	26° <b>ჲ</b> 00'32	-6°59'35
minimum elong	2040 May 31 04:31	10° <b>Ⅱ</b> 22'09	0°09'54	minimum elong	2042 Oct 19 16:43	25° <b>≏</b> 44'54	6°57'37
behind sun begin	2040 May 30 10:27	9° <b>Ⅱ</b> 26'36		min. Earth dist.	2042 Oct 20 05:33	25° <b>≏</b> 25'18	0.27419 AU
behind sun end	2040 May 31 22:36	11° <b>Ⅱ</b> 17'41		morning rise	2042 Oct 24 06:25	23° <b>ഫ</b> 01'30	
max. Earth dist.	2040 May 31 22:44	11° <b>Ⅱ</b> 18′08	1.73490 AU	direct	2042 Nov 09 04:04	18° <b>≏</b> 04'37	
asc. node	2040 Jun 04 07:23	15° <b>Ⅱ</b> 25'55		asc. node	2042 Nov 20 02:15	20° <b>≙</b> 18'49	
	2040 Jun 16 03:53	0ංම		greatest brilliancy	2042 Nov 20 09:05	20° <b>£</b> 25'33	-4.9m
evening rise	2040 Jul 06 10:23	24°953'57			2042 Dec 06 08:11	0°M₊	
	2040 Jul 10 14:02	$0 ^{\circ} \Omega$		morning max el	2042 Dec 29 22:02	21°M27'39	46°56'34
	2040 Aug 04 00:30	0° <b>m</b> ∕			2043 Jan 07 02:12	0° <b>∡</b>	
	2040 Aug 28 12:09	0∘ <b>⊽</b>			2043 Feb 02 22:00	0°ಕ	
	2040 Sep 22 02:21	0° <b>M</b>			2043 Feb 28 09:54	0° <b>≈</b>	
desc. node	2040 Sep 23 20:42	2°M08'42		desc. node	2043 Mar 11 15:47	13° <b>≈</b> 27'36	
	2040 Oct 16 20:40	0° <b>∡</b> ¹			2043 Mar 25 09:22	0° <b>)</b> €	
	2040 Nov 10 21:53	6°0			2043 Apr 19 03:37	0° <b>Υ</b>	
	2040 Dec 06 13:43	0° <b>≈</b>			2043 May 13 19:45	0° <b>B</b>	
. ,	2041 Jan 02 20:37	0° <b>)</b> €	47010102		2043 Jun 07 10:38	0°∏	
evening max el	2041 Jan 05 09:58	2° <b>₩</b> 37'50	47°12'23		2043 Jul 01 23:42	0ಂಲ 1133	
asc. node	2041 Jan 14 23:55	12° <b>光</b> 03'44 0° <b>Ƴ</b>		morning set	2043 Jul 02 03:25	0°511'22	
	2041 Feb 06 11:59	0° γ 4° <b>Υ</b> 09'09	-4.9m	asc. node	2043 Jul 02 19:10	0° <b>©</b> 59'37 0° <b>Ω</b>	
greatest brilliancy retrograde	2041 Feb 14 20:54 2041 Feb 25 06:07	4° <b>γ</b> 09 09 6° <b>Υ</b> 11'48	-4.9m	max. Earth dist.	2043 Jul 26 10:00 2043 Aug 04 17:08		1.73242 AU
evening set	2041 Feb 23 00:07 2041 Mar 15 05:05	29° <b>H</b> 57'36		max. Earth dist.	2043 Aug 04 17.06	11 062/34	1.73242 AU
evening set	2041 Mar 15 03:03 2041 Mar 15 03:31	29 <b>/</b> (3/30 30°R <b>)</b> €		superior conj	2043 Aug 07 12:40	14° <b>Ω</b> 55'59	1°11'33
inferior conj	2041 Mar 18 06:47	28° <b>₩</b> 02'22	8°36'21	minimum elong	2043 Aug 07 04:36		1°11'20
minimum elong	2041 Mar 18 10:58	27° <b>H</b> 55'46		minimum clong	2043 Aug 19 17:16	0° m)	1 11 20
min. Earth dist.	2041 Mar 17 20:17	28° <b>H</b> 18'56		evening rise	2043 Sep 12 19:20	29° m 50'56	
morning rise	2041 Mar 21 17:04	25° <b>)</b> 54'33	0.27907110	evening rise	2043 Sep 12 22:15	0∘ <b>⊽</b>	
direct	2041 Apr 08 05:08	20° <b>)</b> €02'36			2043 Oct 07 02:18	0°M	
greatest brilliancy	2041 Apr 17 11:04	21° <b>)</b> (37'40	-4.8m	desc. node	2043 Oct 22 08:40	18°M56'51	
8	2041 May 03 04:08	$0^{\circ}\Upsilon$			2043 Oct 31 06:28	0° <b>∡</b> ¹	
desc. node	2041 May 06 13:18	2° <b>Y</b> 27'05			2043 Nov 24 11:34	0° <b>ප</b>	
morning max el	2041 May 27 07:03	20° <b>Y</b> 29'32	45°55'01		2043 Dec 18 19:09	0° <b>≈</b>	
-	2041 Jun 05 21:16	$0^{\circ}S$			2044 Jan 12 09:16	0° <b>∀</b>	
	2041 Jul 03 21:43	$\Pi^{\circ}0$			2044 Feb 06 14:41	$0^{\circ}$ Y	
	2041 Jul 30 06:04	0ංම		asc. node	2044 Feb 12 11:47	6° <b>Y</b> 48′22	
	2041 Aug 24 16:33	$0^{\circ}\Omega$			2044 Mar 04 07:08	$9^{\circ}$ 8	
asc. node	2041 Aug 27 16:46	3° <b>Ω</b> 36′17		evening max el	2044 Mar 17 19:06	13° <b>8</b> 57'55	46°11'51
	2041 Sep 18 11:41	0° <b>m</b> )			2044 Apr 04 09:09	$\Pi$ °0	
	2041 Oct 12 19:46	0∘ <b>ಹ</b>		greatest brilliancy	2044 Apr 25 10:00	13° <b>Ⅱ</b> 10′11	-4.8m
	2041 Nov 05 20:51	0°M₊		retrograde	2044 May 06 09:01	15° <b>Ⅱ</b> 22'27	
morning set	2041 Nov 21 10:02	19°M30'30		evening set	2044 May 21 15:29	10° <b>Ⅱ</b> 48'58	1000:
	2041 Nov 29 18:20	0° <b>∡</b> ¹		inferior conj	2044 May 27 18:42	7° <b>Ⅱ</b> 06'59	
desc. node	2041 Dec 17 06:16	22° <b>∡</b> 00'45		minimum elong	2044 May 27 21:56		1°27'53
	2041 Dec 23 14:33	0°ප		min. Earth dist.	2044 May 27 18:26	7° <b>I</b> 107'24	0.28814 AU
	2042 1 01 12 17	110710100	0025120	morning rise	2044 Jun 03 04:37	3°Ⅱ16'00	
superior conj	2042 Jan 01 12:17	11° <b>ろ</b> 12'30		desc. node	2044 Jun 03 01:09	3° <b>Ⅱ</b> 20'46	
minimum elong	2042 Jan 01 03:25	10°る44'37 12°る25'56		direct	2044 Jun 10 17:15	30°R <b>႘</b> 28° <b>႘</b> 51'44	
max. Earth dist.	2042 Jan 02 11:37 2042 Jan 16 10:51	12° <b>5</b> 25′56 0°≈	1.71077 AU	direct	2044 Jun 18 06:37 2044 Jun 26 03:21	28° <b>႘</b> 51'44 0° <b>Ⅱ</b>	
	2042 Jan 16 10:31 2042 Feb 09 08:27	0° <b>₩</b>		greatest brilliancy	2044 Jun 28 12:28	0°П 0°П45'08	-4 7m
evening rise	2042 Feb	3° <b>∺</b> 07'43		morning max el	2044 Jun 28 12:28 2044 Aug 06 01:26	0°Щ45′08 28°Щ35′24	
evening fise	2042 Feb 11 20:23 2042 Mar 05 08:59	0° <b>Υ</b>		morning max ci	2044 Aug 00 01:20 2044 Aug 07 12:42	20 <b>H</b> 3524	TU TUT!
	2042 Mar 29 14:29	0°8			2044 Aug 07 12:42 2044 Sep 05 06:40	0°Ω	
asc. node	2042 Apr 09 09:42	13° <b>8</b> 15'43		asc. node	2044 Sep 24 04:49	21° <b>Ω</b> 26'40	
	2042 Apr 23 03:05	0° <b>I</b>			2044 Oct 01 12:51	0° my	
	2042 May 18 01:14	0ංම ව			2044 Oct 26 14:31	0∘ <b>ত</b> 0°.	
	2042 Jun 12 13:03	0°N			2044 Nov 20 00:36	0°M	
						===	

	2044 Dec 14 02:42	0° <b>∡</b> 7		retrograde	2047 Jul 15 23:46	22° <b>Ω</b> 05'52	
	2044 Dec 14 02:42 2045 Jan 07 01:26	0°ප		evening set	2047 Aug 01 12:45	16° <b>Ω</b> 56'37	
desc. node	2045 Jan 13 17:59	8° <b>る</b> 23'33		inferior conj	2047 Aug 01 12:43 2047 Aug 06 11:04	10 <b>8€</b> 30 37	7010110
desc. flode	2045 Jan 30 23:23	0° <b>≈</b>		minimum elong	2047 Aug 06 01:47	13° <b>0</b> 230'34' 14° <b>Ω</b> 11'24	
morning set	2045 Feb 06 07:51	0 <b>∞</b> 7° <b>≈</b> 57'51		min. Earth dist.	2047 Aug 06 13:05	13° <b>Ω</b> 53'45	0.28930 AU
morning set	2045 Feb 23 22:07	0° <b>∺</b>		morning rise	2047 Aug 10 14:39	13° <b>Ω</b> 24'00	0.20730 AC
	2043 1 60 23 22.07	υ <b>/</b> (		direct	2047 Aug 28 02:07	5° <b>Ω</b> 40'33	
superior conj	2045 Mar 18 22:23	28° <b>)</b> 43'35	-1°24'11	greatest brilliancy	2047 Rug 20 02:07 2047 Sep 07 17:41	7° <b>Ω</b> 43'32	-4.8m
minimum elong	2045 Mar 19 02:57	28° <b>)</b> 57'46		greatest orimaney	2047 Oct 09 11:56	0°m	1.0111
minimum ciong	2045 Mar 19 22:56	0°Υ	1 210)	morning max el	2047 Oct 16 18:07	6° m 58'33	46°19'55
max. Earth dist.	2045 Mar 22 21:02		1.72183 AU	asc. node	2047 Oct 10 16:07 2047 Oct 22 16:30	12° <b>m</b> 58'40	40 17 33
max. Earth dist.	2045 Apr 13 02:52	0°8	1.72103710	use. Hode	2047 Nov 07 12:53	0° <b>ರ</b>	
evening rise	2045 Apr 26 23:51	17° <b>8</b> 08'27			2047 Nov 07 12:33 2047 Dec 03 13:23	o° <b>m</b> .	
asc. node	2045 May 06 21:36	29° <b>8</b> 20'09			2047 Dec 28 10:59	0° <b>⊼</b> ¹	
use. Houe	2045 May 07 10:34	0°Ⅱ			2048 Jan 21 21:15	ੁੰ≎	
	2045 May 31 22:15	0.2e		desc. node	2048 Feb 11 05:58	25° <b>ට</b> 11'22	
	2045 Jun 25 14:20	$0 {\circ} \mathcal{O}$		desc. node	2048 Feb 15 03:06	0°≈	
	2045 Jul 20 12:13	0° m)			2048 Mar 10 07:50	0° <b>∀</b>	
	2045 Aug 14 18:57	0° <del>ت</del>			2048 Apr 03 13:11	0° <b>Υ</b>	
desc. node	2045 Aug 26 10:45	0 <b>—</b> 13° <b>Ω</b> 37'27		morning set	2048 Apr 21 09:21	22° <b>Υ</b> 02'48	
dese. Hode	2045 Sep 09 16:15	0°M.		morning set	2048 Apr 27 20:05	0°8	
	2045 Oct 06 17:25	0°×7			2048 May 22 04:42	0°II	
evening max el	2045 Oct 22 15:56	16° <b>∡</b> 29'49	46°57'09		2040 May 22 04.42	о д	
evening max er	2045 Nov 06 01:57	10 × 2フザク	40 37 07	superior conj	2048 May 28 19:51	8° <b>Ⅱ</b> 09'16	-0°13'13
greatest brilliancy	2045 Nov 00 01:57 2045 Dec 02 00:59	0 3 17° <b>る</b> 07'57	-4.9m	minimum elong	2048 May 28 22:38	8° <b>I</b> 17'49	
retrograde	2045 Dec 12 01:29	17 <b>さ</b> 07 37	4.7111	behind sun begin	2048 May 28 09:31	7° <b>I</b> I37'29	0 15 05
asc. node	2045 Dec 17 14:06	19 <b>さ</b> 01 40		behind sun end	2048 May 29 11:45	8° <b>I</b> 58'09	
evening set	2045 Dec 26 12:01	16 <b>ප</b> 2531		max. Earth dist.	2048 May 29 18:19	9° <b>Ⅱ</b> 18'17	1.73464 AU
min. Earth dist.	2046 Jan 01 00:31		0.26496 AU	asc. node	2048 Jun 03 09:22	14° <b>∏</b> 59'31	1.75404710
inferior conj	2046 Jan 01 13:36	11° <b>ろ</b> 17'24	3°46'54	use. Hode	2048 Jun 15 14:27	0°95	
minimum elong	2046 Jan 01 05:38	11° <b>る</b> 29'34	3°44'33	evening rise	2048 Jul 04 05:20	22° <b>©</b> 52'09	
morning rise	2046 Jan 06 23:38	8° <b>ප</b> 06'01	5 44 55	evening rise	2048 Jul 10 00:41	0°Ω	
direct	2046 Jan 21 22:57	3°る40'18			2048 Aug 03 11:21	0° m/y	
greatest brilliancy	2046 Jan 31 11:15	5° <b>る</b> 24'11	-4.9m		2048 Aug 27 23:21	0∘ <b>ರ</b> ೧.۳	
greatest orimancy	2046 Mar 06 20:42	0°≈	-4.7111		2048 Sep 21 14:07	0° <b>M</b>	
morning max el	2046 Mar 13 02:52	6°≈05'04	46°39'23	desc. node	2048 Sep 22 22:48	1°M39'13	
morning max er	2046 Apr 04 20:37	0° <b>∺</b>	40 37 23	dese. Hode	2048 Oct 16 09:15	0° <b>x</b> 7	
desc. node	2046 Apr 08 03:39	3° <b>¥</b> 37'37			2048 Nov 10 11:41	∞ੰਤ	
desc. node	2046 May 01 11:21	0° <b>Υ</b>			2048 Dec 06 05:43	0° <b>≈</b>	
	2046 May 27 05:04	0°8			2049 Jan 02 18:10	0° <b>ℋ</b>	
	2046 Jun 21 12:05	0°II		evening max el	2049 Jan 02 23:07	0° <b>₩</b> 12'39	47°13'34
	2046 Jul 16 11:22	0ಂ <b>ತಾ</b>		asc. node	2049 Jan 14 02:01	11° <b>X</b> 05'38	47 13 34
asc. node	2046 Jul 30 06:58	16° <b>9</b> 545'27		asc. node	2049 Feb 08 08:10	0°Υ	
ase. Hode	2046 Aug 10 03:24	0°Ω		greatest brilliancy	2049 Feb 12 12:43	1° <b>Υ</b> 50'34	-4.9m
	2046 Sep 03 12:34	0° m/y		retrograde	2049 Feb 22 20:43	3°Υ52'43	4.7111
morning set	2046 Sep 08 07:10	5° Mp 54'42		retrograde	2049 Mar 08 17:48	30° <b>₹</b>	
morning set	2046 Sep 27 16:16	ு <u>ம</u>		evening set	2049 Mar 12 21:01	27° <b>)</b> € 37'06	
max. Earth dist.	2046 Oct 12 17:11	0 <b>—</b> 18° <b>≏</b> 46'39	1.71857 AU	inferior conj	2049 Mar 15 21:30	25° <b>H</b> 43'55	8°40'51
max. Earth dist.	2010 000 12 17.11	10 = 1037	1.71037110	minimum elong	2049 Mar 16 00:54	25° <b>H</b> 38'34	8°40'41
superior conj	2046 Oct 15 16:02	22° <b>ჲ</b> 28'08	1°09'47	min. Earth dist.	2049 Mar 15 10:29	26° <b>)</b> (01'16	0.27920 AU
minimum elong	2046 Oct 16 01:32	22° <b>£</b> 57'52		morning rise	2049 Mar 19 04:57	23° <b>)</b> (40'26	0.27720710
minimum ciong	2046 Oct 21 16:29	0° <b>™</b>	1 0750	direct	2049 Apr 05 18:37	17° <b>)</b> 44'46	
	2046 Nov 14 15:03	0° <b>∡</b> 7		greatest brilliancy	2049 Apr 15 01:01	19° <b>₩</b> 20'02	-4.8m
desc. node	2046 Nov 18 20:30	5° <b>⋌</b> 18'01		greatest orimaney	2049 May 03 22:03	0°Υ	1.0111
evening rise	2046 Nov 24 09:51	12°×716'02		desc. node	2049 May 05 15:21	1° <b>Υ</b> 18'34	
evening rise	2046 Dec 08 13:11	0°る		morning max el	2049 May 24 21:11	18° <b>Υ</b> 13'17	45°56'14
	2047 Jan 01 11:55	0° <b>≈</b>		moming man vi	2049 Jun 05 16:28	0°8	
	2047 Jan 25 12:54	0° <b>∀</b>			2049 Jul 03 12:20	0°II	
	2047 Jan 23 12:34 2047 Feb 18 19:12	0°Υ			2049 Jul 29 18:47	0°©	
asc. node	2047 Pco 18 19:12 2047 Mar 11 23:49	25° <b>Υ</b> '48'12			2049 Aug 24 04:19	0°Ω	
450. HOUC	2047 Mar 11 23:49 2047 Mar 15 11:32	0° <b>8</b>		asc. node	2049 Aug 26 18:58	3° <b>Ω</b> 07'50	
	2047 Mai 13 11:32 2047 Apr 09 21:10	0°II		asc. nouc	2049 Sep 17 22:56	0°m)	
	2047 Apr 09 21:10 2047 May 06 14:34	0°©			2049 Sep 17 22:36 2049 Oct 12 06:48	0∘ <b>ऌ</b> ० ाप्र	
evening max el	2047 May 06 14.34 2047 May 28 10:37	0 S 22°S24'40	45°25'00		2049 Nov 05 07:48	0°M	
Svening max ci	2047 Jun 05 14:56	0°Ω	r5 25 00	morning set	2049 Nov 18 22:17	17°M03'46	
desc. node	2047 Jul 03 14:30 2047 Jul 01 13:02	18° <b>Ω</b> 29'06		morning set	2049 Nov 29 05:18	0° <b>√</b>	
greatest brilliancy	2047 Jul 01 13:02 2047 Jul 05 11:28	20° <b>Ω</b> 07'14	-4 7m	desc. node	2049 Nov 29 03.18 2049 Dec 16 08:15	0 <b>x</b> . 21° <b>x</b> 32'30	
Sicurest offillaticy	207/301 03 11.20	20 060/14	т. / 111	acse. Houc	2047 DCC 10 00.13	21 × 3230	

	2049 Dec 23 01:32	0°ਰ		min. Earth dist. morning rise	2052 May 25 10:26 2052 May 31 20:49	4°∏57'49 1°∏06'17	0.28794 AU
superior conj	2049 Dec 29 21:53	8° <b>⋜</b> 37'14	-0°31'46	desc. node	2052 Jun 02 03:08	0° <b>Ⅲ</b> 26′02	
minimum elong	2049 Dec 29 13:49	8° <b>る</b> 11'49	0°31'24		2052 Jun 02 23:53	30° <b>₹</b> 8	
max. Earth dist.	2049 Dec 30 15:31	9° <b>る</b> 32'43	1.71073 AU	direct	2052 Jun 15 23:10	26° <b>8</b> 42'09	
	2050 Jan 15 21:49	0° <b>≈</b>		greatest brilliancy	2052 Jun 26 03:16	28° <b>8</b> 34'24	-4.7m
	2050 Feb 08 19:24	0° <b>∀</b>			2052 Jun 29 16:38	$\Pi$ $^{\circ}0$	
evening rise	2050 Feb 09 06:47	0° <b>)</b> 35′38		morning max el	2052 Aug 03 17:58	26° <b>Ⅱ</b> 27'03	45°45'12
	2050 Mar 04 19:59	$0$ ° $\mathbf{\Lambda}$			2052 Aug 07 10:03	$0$ $\circ$	
	2050 Mar 29 01:38	$0^{\circ}S$			2052 Sep 04 21:59	$0^{\circ}\Omega$	
asc. node	2050 Apr 08 11:45	12° <b>8</b> 47'35		asc. node	2052 Sep 23 06:45	20° <b>Ω</b> 52'42	
	2050 Apr 22 14:33	0°П			2052 Oct 01 02:02	0° <b>m</b> )	
	2050 May 17 13:16	0°©			2052 Oct 26 02:44	0∘ <b>亚</b>	
	2050 Jun 12 02:12	0° <b>N</b>			2052 Nov 19 12:19	0° <b>M</b> ₊	
1 1	2050 Jul 08 15:34	0° Mp			2052 Dec 13 14:08	0° <b>∡</b> ¹	
desc. node	2050 Jul 29 01:00	21° m 37'54		daga mada	2053 Jan 06 12:42	0°る 7° <b>ろ</b> 55102	
evening max el	2050 Aug 06 11:20	0∘ <b>ত</b>	15017125	desc. node	2053 Jan 12 20:09	7°る55'03 0°≈	
greatest brilliancy	2050 Aug 07 21:42 2050 Sep 16 20:14	1° <b>£</b> 22'36 29° <b>£</b> 56'10		morning set	2053 Jan 30 10:32 2053 Feb 03 18:00	0 ≈ 5°≈24'21	
greatest billiancy	2050 Sep 17 01:04	0°M	-4.0111	morning set	2053 Feb 03 18:00 2053 Feb 23 09:12	0° <b>\</b>	
retrograde	2050 Sep 25 22:20	1°M26'57			2033 1 00 23 07.12	0 /	
retrograde	2050 Oct 04 11:00	30°R <b>≏</b>		superior conj	2053 Mar 16 11:05	26° <b>₩</b> 19'17	-1°24'54
evening set	2050 Oct 12 18:55	26° <b>₽</b> 04'48		minimum elong	2053 Mar 16 14:47	26° <b>)</b> 30'49	
inferior conj	2050 Oct 16 20:02	23° <b>ჲ</b> 39'31	-7°12'33	Č	2053 Mar 19 09:56	0° <b>Υ</b>	
minimum elong	2050 Oct 17 06:01	23° <b>≏</b> 24'15		max. Earth dist.	2053 Mar 20 12:10	1° <b>Y</b> 21'40	1.72129 AU
min. Earth dist.	2050 Oct 17 18:56	23° <b>ჲ</b> 04'33	0.27492 AU		2053 Apr 12 13:50	0°8	
morning rise	2050 Oct 21 16:38	20° <b>≏</b> 45′21		evening rise	2053 Apr 24 14:58	14° <b>8</b> 53'15	
direct	2050 Nov 06 18:44	15° <b>≏</b> 42'27		asc. node	2053 May 05 23:33	28° <b>8</b> 52'24	
greatest brilliancy	2050 Nov 17 23:33	18° <b>≏</b> 03'34	-4.9m		2053 May 06 21:33	$\Pi$ °0	
asc. node	2050 Nov 19 04:14	18° <b>≏</b> 33'30			2053 May 31 09:23	$0$ $\circ$	
	2050 Dec 06 23:02	0° <b>M</b> ₊			2053 Jun 25 01:48	$0$ $^{\circ}$ $\Omega$	
morning max el	2050 Dec 27 13:23	19° <b>M</b> 07'17	46°56'03		2053 Jul 20 00:18	0° <b>™</b>	
	2051 Jan 06 21:51	0° <b>∡</b> ¹			2053 Aug 14 08:06	0∘ <b>ত</b>	
	2051 Feb 02 13:23	್ರಂ		desc. node	2053 Aug 25 12:51	13° <b>≏</b> 03'27	
	2051 Feb 27 23:24	0° <b>≈</b>			2053 Sep 09 07:17	0° <b>M</b> 0°. <b>⊼</b>	
desc. node	2051 Mar 10 17:54	12° <b>≈</b> 54'56 0° <b>米</b>		i1	2053 Oct 06 12:27	0° <b>ᡘ</b> 14° <b>ᡘ</b> 07'41	46955106
	2051 Mar 24 21:48 2051 Apr 18 15:21	0° <b>Υ</b>		evening max el	2053 Oct 20 06:09 2053 Nov 06 11:38	14° <b>x</b> '0/41 0°る	46°55'06
	2051 May 13 07:01	0°8		greatest brilliancy	2053 Nov 00 11:38 2053 Nov 29 14:39	0 8 14° <b>る</b> 40'18	-4 9m
	2051 Jun 06 21:35	0°II		retrograde	2053 Nov 29 14:59 2053 Dec 09 13:52	16°る32'30	-4.7111
morning set	2051 Jun 29 21:29	28° <b>Ⅱ</b> 06'46		asc. node	2053 Dec 05 15:32 2053 Dec 16 16:09	15° <b>る</b> 30'20	
	2051 Jul 01 10:28	0°ಅ		evening set	2053 Dec 23 23:07	12° <b>る</b> 24'51	
asc. node	2051 Jul 01 21:12	0°932'55		min. Earth dist.	2053 Dec 29 14:15	9° <b>る</b> 07'08	0.26472 AU
	2051 Jul 25 20:41	$0^{\circ}\Omega$		inferior conj	2053 Dec 30 02:00	8° <b>ろ</b> 49'09	3°24'35
max. Earth dist.	2051 Aug 02 14:54	9° <b>Ω</b> 33'41	1.73274 AU	minimum elong	2053 Dec 29 18:41	9° <b>る</b> 00'20	3°22'22
				morning rise	2054 Jan 04 14:37	5° <b>る</b> 34'02	
superior conj	2051 Aug 05 06:57	12° <b>Ω</b> 51'16	1°09'48	direct	2054 Jan 19 11:20	1° <b>る</b> 12'29	
minimum elong	2051 Aug 04 22:39	12° <b>Ω</b> 25'39	1°09'34	greatest brilliancy	2054 Jan 29 01:01	2° <b>る</b> 57'13	-4.9m
	2051 Aug 19 03:58	0° <b>т</b> р			2054 Mar 06 22:17	0° <b>≈</b>	
evening rise	2051 Sep 10 12:12	27° <b>m</b> 40'45		morning max el	2054 Mar 10 15:13	3°≈38'33	46°40'38
	2051 Sep 12 09:06	0° <b>™</b>			2054 Apr 04 13:47	0° <b>∀</b>	
	2051 Oct 06 13:22	0°M		desc. node	2054 Apr 07 05:40	2° <b>)</b> ₹56'53	
desc. node	2051 Oct 21 10:40	18° <b>M</b> .28'14 0° <i>⊀</i>			2054 May 01 01:36	0°Υ •••	
	2051 Oct 30 17:50	0° <b>ਨ</b>			2054 May 26 17:51	0°Ⅱ 8°0	
	2051 Nov 23 23:18 2051 Dec 18 07:25	0° <b>≈</b>			2054 Jun 21 00:00 2054 Jul 15 22:46	0. 0. П	
	2052 Jan 11 22:21	0° <b>)</b> €		asc. node	2054 Jul 29 09:08	16°917'54	
	2052 Feb 06 05:18	0°Υ		200. 11040	2054 Aug 09 14:29	0°Ω	
asc. node	2052 Feb 11 13:55	6° <b>Υ</b> 11'07			2054 Sep 02 23:33	0° <b>m</b> )	
	2052 Mar 04 01:22	0°8		morning set	2054 Sep 05 23:46	3° Mp 43'30	
evening max el	2052 Mar 15 11:26	11° <b>8</b> 45'36	46°14'21	Č	2054 Sep 27 03:14	0∘ <u>⊽</u>	
-	2052 Apr 04 19:29	$\Pi^{\circ}0$		max. Earth dist.	2054 Oct 10 04:16	16° <b>≙</b> 16'57	1.71908 AU
greatest brilliancy	2052 Apr 23 02:36	11° <b>Ⅲ</b> 00′15	-4.8m				
retrograde	2052 May 04 02:07	13° <b>Ⅱ</b> 12'30		superior conj	2054 Oct 13 06:45	20° <b>≏</b> 09'41	1°11'43
evening set	2052 May 19 09:24	8° <b>Ⅱ</b> 37'06		minimum elong	2054 Oct 13 15:53	20° <b>≏</b> 38'14	1°11'29
inferior conj	2052 May 25 11:00	4° <b>Ⅱ</b> 56'56			2054 Oct 21 03:31	$0^{\circ}$ M	
minimum elong	2052 May 25 14:56	4° <b>Ⅱ</b> 50'47	1°47'22		2054 Nov 14 02:12	0° <b>∡</b> ¹	

desc. node	2054 Nov 17 22:32	4° <b>∡</b> 749'20		marning may al	2057 May 22 12:06	15° <b>Ƴ</b> 58'09	45057120
		4 <b>x</b> ·49 20 9° <b>x</b> 46'41		morning max el	2057 May 22 12:06		43 37 29
evening rise	2054 Nov 21 21:24 2054 Dec 08 00:28	9° <b>メ</b> ′4641			2057 Jun 05 11:25 2057 Jul 03 03:05	0°H 8°0	
	2054 Dec 31 23:21	0°≈			2057 Jul 29 07:45	0°9	
	2055 Jan 25 00:32	0 <b>≈</b> 0° <b>∀</b>				0° <b>U</b>	
	2055 Feb 18 07:10	0· <b>Υ</b>		asc. node	2057 Aug 23 16:22	0 8ℓ 2° <b>Ω</b> 37'42	
asc. node	2055 Mar 11 01:49	0 γ 25° <b>Υ</b> 16'42		asc. node	2057 Aug 25 20:55	2 <b>3 (</b> 3 / 42 0° <b>m</b> )	
asc. node	2055 Mar 15 00:08	0° <b>8</b>			2057 Sep 17 10:30 2057 Oct 11 18:05	0∘ <b>ऌ</b> ० ार्ष	
	2055 Apr 09 11:03	0°II			2057 Oct 11 18:05 2057 Nov 04 19:00	0° <b>m</b>	
	2055 May 06 07:27	0°9		mamina sat		14° <b>ML</b> 37'07	
avanina may al	•	0 မာ 20°9510'51	45925121	morning set	2057 Nov 16 10:45 2057 Nov 28 16:29	0° <b>√</b>	
evening max el	2055 May 26 01:23 2055 Jun 05 18:19	20 <b>3</b> 1031	43 23 31	desc. node	2057 Dec 15 10:23	0 <b>x</b> . 21° <b>x</b> 04'00	
desc. node	2055 Jun 30 15:14	16°Ω57'30		desc. node	2057 Dec 13 10.25 2057 Dec 22 12:44	21 <b>x</b> ·0400	
		$10^{\circ} \Omega 56'35$	4.7		2037 Dec 22 12.44	0.0	
greatest brilliancy	2055 Jul 03 02:42 2055 Jul 13 15:18	17 <b>δι</b> 36 33	-4.7m	gumariar agni	2057 Dec 27 07:32	6° <b>ට</b> 01'13	0927150
retrograde	2055 Jul 30 01:41	$19^{\circ} 0.3003$ $14^{\circ} \Omega 50'48$		superior conj		5° <b>る</b> 38'31	
evening set		14 <b>δι</b> 3048	6050115	minimum elong max. Earth dist.	2057 Dec 27 00:19	5 03831 6° <b>る</b> 50'21	0 27 38 1.71074 AU
inferior conj	2055 Aug 04 03:14			max. Earth dist.	2057 Dec 27 23:08	0°≈	1./10/4 AU
minimum elong	2055 Aug 03 17:41	12° <b>Ω</b> 01'33			2058 Jan 15 09:03		
min. Earth dist.	2055 Aug 04 04:58	11° <b>Ω</b> 43'56	0.28947 AU	evening rise	2058 Feb 06 17:11	28°≈02'40	
morning rise	2055 Aug 08 09:28	9° <b>Ω</b> 09'44			2058 Feb 08 06:39	0° <b>)</b> €	
direct	2055 Aug 25 17:51	3° <b>Ω</b> 29'56	4.0		2058 Mar 04 07:17	0° <b>Υ</b>	
greatest brilliancy	2055 Sep 05 10:06	5° <b>Ω</b> 33'00	-4.8m		2058 Mar 28 13:04	0° <b>8</b>	
	2055 Oct 09 12:44	0° <b>m</b>		asc. node	2058 Apr 07 13:45	12° <b>8</b> 18'31	
morning max el	2055 Oct 14 08:27	4° Mp 40′28	46°18'21		2058 Apr 22 02:16	$\Pi$ °0	
asc. node	2055 Oct 21 18:33	12° <b>m</b> 12'22			2058 May 17 01:35	0ಂ <b>ತಾ</b>	
	2055 Nov 07 05:31	0ಂ <b>ರಾ</b>			2058 Jun 11 15:42	$0^{\circ}\Omega$	
	2055 Dec 03 03:28	0°M₊			2058 Jul 08 07:37	0° <b>m</b>	
	2055 Dec 27 23:53	0° <b>∡</b>		desc. node	2058 Jul 28 03:02	20° <b>m</b> 52'00	
	2056 Jan 21 09:29	0°₹		evening max el	2058 Aug 05 12:33	29° <b>m</b> 07'30	45°45'40
desc. node	2056 Feb 10 08:02	24° <b>る</b> 41'03			2058 Aug 06 10:36	0∘ <b>ত</b>	
	2056 Feb 14 14:54	0° <b>≈</b>		greatest brilliancy	2058 Sep 14 08:16	27° <b>≏</b> 34'48	-4.8m
	2056 Mar 09 19:17	0° <b>ℋ</b>		retrograde	2058 Sep 23 11:59	29° <b>≏</b> 06'21	
	2056 Apr 03 00:22	$0$ ° $\mathbf{\gamma}$		evening set	2058 Oct 10 11:25	23° <b>≏</b> 39'27	
morning set	2056 Apr 19 01:05	19° <b>Ƴ</b> 49'04		inferior conj	2058 Oct 14 09:40	21° <b>≏</b> 18′02	-7°24'42
	2056 Apr 27 07:05	$_{0\circ}$ 8		minimum elong	2058 Oct 14 19:19	21° <b>≏</b> 03'16	7°23'06
	2056 May 21 15:36	$\Pi$ $\circ 0$		min. Earth dist.	2058 Oct 15 08:10	20° <b>≙</b> 43'39	0.27561 AU
				morning rise	2058 Oct 19 02:49	18° <b>≙</b> 28'46	
superior conj	2056 May 26 13:19	6° <b>Ⅱ</b> 01'55	-0°16'24	direct	2058 Nov 04 09:43	13° <b>≏</b> 20'08	
minimum elong	2056 May 26 16:46	6° <b>Ⅱ</b> 12'31	0°16'15	greatest brilliancy	2058 Nov 15 13:31	15° <b>≏</b> 40'34	-4.9m
max. Earth dist.	2056 May 27 12:49	7° <b>Ⅱ</b> 14'10	1.73443 AU	asc. node	2058 Nov 18 06:19	16° <b>≙</b> 51'38	
asc. node	2056 Jun 02 11:29	14° <b>Ⅲ</b> 32'34			2058 Dec 07 10:21	0°M	
	2056 Jun 15 01:22	0ංම		morning max el	2058 Dec 25 04:33	16°M46'06	46°55'24
evening rise	2056 Jul 02 00:14	20°5549'12			2059 Jan 06 17:06	0° <b>∡</b> ¹	
	2056 Jul 09 11:41	$0 {\circ} \Omega$			2059 Feb 02 04:42	0°ප	
	2056 Aug 02 22:33	0° <b>m</b>			2059 Feb 27 12:57	0° <b>≈</b>	
	2056 Aug 27 10:55	0∘ <b>ত</b>		desc. node	2059 Mar 09 19:50	12° <b>≈</b> 21'22	
	2056 Sep 21 02:13	0° <b>M</b>			2059 Mar 24 10:20	0° <b>ℋ</b>	
desc. node	2056 Sep 22 00:46	1°ML08'22			2059 Apr 18 03:14	$0^{\circ}\Upsilon$	
	2056 Oct 15 22:11	0° <b>∡</b> ¹			2059 May 12 18:27	$9^{\circ}$ 8	
	2056 Nov 10 01:55	0°ರ			2059 Jun 06 08:41	$\Pi$ $^{\circ}0$	
	2056 Dec 05 22:19	0° <b>≈</b>		morning set	2059 Jun 27 15:46	26° <b>Ⅱ</b> 02'25	
evening max el	2056 Dec 31 12:51	27° <b>≈</b> 47'58	47°14'38	asc. node	2059 Jun 30 23:22	0°506'10	
	2057 Jan 02 16:57	0° <b>∀</b>			2059 Jun 30 21:21	$0$ $\circ$ $\odot$	
asc. node	2057 Jan 13 04:11	10° <b>₩</b> 05'19			2059 Jul 25 07:30	$0^{\circ}\Omega$	
greatest brilliancy	2057 Feb 10 04:04	29° <b>)</b> 30′14	-4.9m	max. Earth dist.	2059 Jul 31 12:09	7° <b>Ω</b> 37'49	1.73306 AU
	2057 Feb 11 13:31	$0$ ° $\Upsilon$					
retrograde	2057 Feb 20 11:44	1° <b>Y</b> 32'39		superior conj	2059 Aug 03 01:22	10° <b>Ω</b> 46'34	1°07'58
	2057 Mar 01 02:52	30° <b>₹</b> ₩		minimum elong	2059 Aug 02 16:54	10° <b>Ω</b> 20′25	1°07'43
evening set	2057 Mar 10 12:31	25° <b>升</b> 15′58			2059 Aug 18 14:51	0° <b>m</b>	
min. Earth dist.	2057 Mar 13 00:24	23° <b>)</b> 42′48	0.27872 AU	evening rise	2059 Sep 08 05:07	25°M 30'16	
inferior conj	2057 Mar 13 12:10	23° <b>)</b> €24'19	8°44'30		2059 Sep 11 20:08	0∘ <b>ত</b>	
minimum elong	2057 Mar 13 14:44	23° <b>)</b> €20'16	8°44'24		2059 Oct 06 00:38	0°M	
morning rise	2057 Mar 16 17:08	21° <b>)</b> 24′51		desc. node	2059 Oct 20 12:42	17° <b>M</b> 59'09	
direct	2057 Apr 03 08:13	15° <b>)</b> €25'47			2059 Oct 30 05:23	0°⊀	
greatest brilliancy	2057 Apr 12 14:35	17° <b>)</b> €01'11	-4.8m		2059 Nov 23 11:14	5°0	
,	2057 May 04 11:46	$0^{\circ}\mathbf{\Upsilon}$			2059 Dec 17 19:51	0° <b>≈</b>	
desc. node	2057 May 04 17:21	0° <b>Υ</b> 11'04			2060 Jan 11 11:38	0° <b>)</b> €	
	•						

	2060 Eab 05 20:12	0° <b>Υ</b>			2062 Jul. 15 10:00	0° <b>©</b>	
	2060 Feb 05 20:12	0° γ 5° <b>Υ</b> 32'41			2062 Jul 15 10:00		
asc. node	2060 Feb 10 15:52	0° <b>8</b>		asc. node	2062 Jul 28 11:07	15°950'14	
	2060 Mar 03 20:14		46016142		2062 Aug 09 01:26	0° <b>N</b>	
evening max el	2060 Mar 13 03:36	9° <b>8</b> 32'15	46°16'42		2062 Sep 02 10:21	0°M)	
1 :11:	2060 Apr 05 09:42	0°II	4.0	morning set	2062 Sep 03 16:35	1° m/33'33	
greatest brilliancy	2060 Apr 20 19:49	8° <b>Ⅱ</b> 50′20	-4.8m	E 4 F 4	2062 Sep 26 14:01	0° <b>亞</b>	1 71000 411
retrograde	2060 May 01 18:43	11° <b>I</b> I01'40		max. Earth dist.	2062 Oct 07 18:27	13° <b>≏</b> 57'34	1.71960 AU
evening set	2060 May 17 03:22	6° <b>Ⅱ</b> 24'26	******		20/20 . 10 21 45	1500 50150	1010101
inferior conj	2060 May 23 03:13	2° <b>Ⅱ</b> 46'17		superior conj	2062 Oct 10 21:45	17° <b>Ω</b> 52'50	1°13'31
minimum elong	2060 May 23 07:48	2° <b>Ⅲ</b> 39'04	2°06'50	minimum elong	2062 Oct 11 06:29		1°13'19
min. Earth dist.	2060 May 23 02:38		0.28772 AU		2062 Oct 20 14:21	0° <b>M</b>	
	2060 May 27 15:30	30° <b>₹</b> 8			2062 Nov 13 13:10	0° <b>∡</b> 7	
morning rise	2060 May 29 12:40	28° <b>8</b> 55'58		desc. node	2062 Nov 17 00:41	4° <b>∡</b> ¹21'41 −	
desc. node	2060 Jun 01 05:17	27° <b>8</b> 33'28		evening rise	2062 Nov 19 09:10	7° <b>∡</b> 18'38	
direct	2060 Jun 13 15:26	24° <b>8</b> 32'04			2062 Dec 07 11:36	0°る	
greatest brilliancy	2060 Jun 23 17:58	26° <b>8</b> 23'00	-4.7m		2062 Dec 31 10:40	0° <b>≈</b>	
	2060 Jul 01 16:12	$\Pi^{\circ}0$			2063 Jan 24 12:04	0° <b>∀</b>	
morning max el	2060 Aug 01 09:33	24° <b>Ⅱ</b> 16′20	45°44'45		2063 Feb 17 19:02	$0^{\circ}$ Y	
	2060 Aug 07 06:42	0		asc. node	2063 Mar 10 03:50	24° <b>Y</b> 45'28	
	2060 Sep 04 13:07	$0^{\circ}\Omega$			2063 Mar 14 12:38	$9^{\circ}$ 8	
asc. node	2060 Sep 22 08:50	20° <b>Ω</b> 19'12			2063 Apr 09 00:54	$\Pi^{\circ}0$	
	2060 Sep 30 15:10	0° <b>m</b>			2063 May 06 00:29	0°€	
	2060 Oct 25 14:58	0∘ <b>ত</b>		evening max el	2063 May 23 16:04	17° <b>©</b> 57'25	45°26'13
	2060 Nov 19 00:05	$0^{\circ}$ M,			2063 Jun 05 23:15	$0^{\circ}\Omega$	
	2060 Dec 13 01:38	0° <b>∡</b> ¹		desc. node	2063 Jun 29 17:16	15° <b>Ω</b> 22'57	
	2061 Jan 06 00:00	ರ°0		greatest brilliancy	2063 Jun 30 17:18	15° <b>Ω</b> 45'42	-4.7m
desc. node	2061 Jan 11 22:14	7° <b>る</b> 26'12		retrograde	2063 Jul 11 07:13	17° <b>Ω</b> 46'45	
	2061 Jan 29 21:42	0° <b>≈</b>		evening set	2063 Jul 27 14:35	12° <b>Ω</b> 45'10	
morning set	2061 Feb 01 03:53	2° <b>≈</b> 49'54		inferior conj	2063 Aug 01 19:16	9° <b>Ω</b> 36'47	-6°46'35
	2061 Feb 22 20:16	0° <b>)</b> €		minimum elong	2063 Aug 01 09:32	9° <b>Ω</b> 51'57	6°44'49
				min. Earth dist.	2063 Aug 01 20:36	9° <b>Ω</b> 34'41	0.28962 AU
superior conj	2061 Mar 13 23:35	23° <b>) €</b> 54'22	-1°25'28	morning rise	2063 Aug 06 04:15	6° <b>Ω</b> 55'56	
minimum elong	2061 Mar 14 02:22	24° <b>)</b> €03'03	1°25'27	direct	2063 Aug 23 09:30	1° <b>Ω</b> 19'39	
max. Earth dist.	2061 Mar 18 03:40	29° <b>₩</b> 06'15	1.72074 AU	greatest brilliancy	2063 Sep 03 02:24	3° <b>Ω</b> 23′05	-4.8m
	2061 Mar 18 20:56	$0^{\circ}\mathbf{\Upsilon}$		,	2063 Oct 09 12:03	o∘ <b>m</b> y	
	2061 Apr 12 00:47	0° <b>႘</b>		morning max el	2063 Oct 11 23:40	2° m/25'41	46°16'59
evening rise	2061 Apr 22 05:53	12° <b>8</b> 37'21		asc. node	2063 Oct 20 20:39	11° <b>m</b> 27'46	
asc. node	2061 May 05 01:43	28° <b>8</b> 25'18			2063 Nov 06 21:31	0∘ <b>⊽</b>	
	2061 May 06 08:32	$\Pi^{\circ}0$			2063 Dec 02 17:05	0° <b>M</b>	
	2061 May 30 20:32	0°ಅ			2063 Dec 27 12:25	0° <b>∡</b> ¹	
	2061 Jun 24 13:17	$0^{\circ}\Omega$			2064 Jan 20 21:25	ರ°0	
	2061 Jul 19 12:23	0° <b>m</b>		desc. node	2064 Feb 09 09:59	24° <b>る</b> 11'09	
	2061 Aug 13 21:15	$0 \circ \overline{\mathbf{v}}$			2064 Feb 14 02:26	0° <b>≈</b>	
desc. node	2061 Aug 24 14:49	12° <b>≏</b> 29'08			2064 Mar 09 06:31	0° <b>∀</b>	
	2061 Sep 08 22:24	0°M			2064 Apr 02 11:20	0° <b>Υ</b>	
	2061 Oct 06 07:58	0° <b>√</b>		morning set	2064 Apr 16 16:15	17° <b>Ƴ</b> 34'10	
evening max el	2061 Oct 17 19:13	11° <b>₹</b> 42'48	46°52'48	. 8	2064 Apr 26 17:51	0°8	
<i>y</i>	2061 Nov 07 00:39	0°⋜			2064 May 21 02:16	0°II	
greatest brilliancy	2061 Nov 27 04:36	12° <b>る</b> 12'27	-4.9m		,		
retrograde	2061 Dec 07 01:33	14° <b>る</b> 02'35		superior conj	2064 May 24 06:20	3° <b>Ⅱ</b> 53'58	-0°19'37
asc. node	2061 Dec 15 18:19	12° <b>る</b> 29'54		minimum elong	2064 May 24 10:26	4° <b>Ⅱ</b> 06'36	0°19'25
evening set	2061 Dec 21 10:10	9° <b>ප</b> 57'12		max. Earth dist.	2064 May 25 08:03	5° <b>Ⅱ</b> 13'04	1.73420 AU
min. Earth dist.	2061 Dec 27 04:14	6° <b>る</b> 35'32	0.26454 AU	asc. node	2064 Jun 01 13:33	14° <b>Ⅱ</b> 06'16	
inferior conj	2061 Dec 27 14:12	6° <b>පි</b> 20'16	3°01'35		2064 Jun 14 12:00	0ಂತಾ	
minimum elong	2061 Dec 27 07:36	6° <b>る</b> 30'22		evening rise	2064 Jun 29 18:57	18° <b>5</b> 46'34	
morning rise	2062 Jan 02 05:16	3° <b>ප</b> 01'33	<del></del>	-0	2064 Jul 08 22:25	0°Ω	
8	2062 Jan 09 01:53	30°R. <b>✓</b>			2064 Aug 02 09:30	0° m)	
direct	2062 Jan 16 23:02	28° <b>×</b> <sup>7</sup> 43'41			2064 Aug 26 22:13	0∘ <del>ত</del> مسم	
	2062 Jan 25 02:25	20 × 43 41 0°ਰ			2064 Sep 20 14:05	o° <b>m</b>	
greatest brilliancy	2062 Jan 26 15:18	0° <b>る</b> 30'15	-4.9m	desc. node	2064 Sep 21 02:52	0°M38'43	
5. carest oriniancy	2062 Mar 06 22:38	0°≈		acce. noue	2064 Oct 15 10:52	0° <b>⊼</b> ′	
morning max el	2062 Mar 08 03:03	0 <b>~</b> 1° <b>≈</b> 10'31	46°42'01		2064 Nov 09 15:53	%ਰ	
orming max or	2062 Apr 04 06:32	0° <b>∺</b>	10 12 01		2064 Dec 05 14:45	0° <b>≈</b>	
desc. node	2062 Apr 04 00:32 2062 Apr 06 07:47	2° <b>升</b> 17′04		evening max el	2064 Dec 29 03:28	0 ∞ 25°≈26'45	47°15'31
Less. House	2062 Apr 30 15:34	2 χ17 0 <del>4</del> 0° <b>Υ</b>		J. J	2065 Jan 02 16:13	0° <b>∺</b>	., 1001
	2062 May 26 06:25	0°8		asc. node	2065 Jan 12 06:05	9° <b>∺</b> 04'00	
	2062 Jun 20 11:45	0°II		greatest brilliancy	2065 Feb 07 18:33	27° <b>)</b> (04'00'	-4 9m
		ÿ <b></b>		or carest orinitation	_000100 07 10.00	_, ,(0) 32	

retrograde	2065 Feb 18 03:03	29° <b>)</b> 12'49		minimum elong	2067 Jul 31 11:01	8° <b>Ω</b> 15'49	1°05'46
evening set	2065 Mar 08 03:27	22° <b>)</b> 55'30			2067 Aug 18 01:26	0° m)	
min. Earth dist.	2065 Mar 10 13:50	21° <b>)</b> 24'52	0.27827 AU	evening rise	2067 Sep 05 21:59	23° m) 20'34	
inferior conj	2065 Mar 11 02:38	21° <b>)</b> 04'47	8°47'16	C	2067 Sep 11 06:53	0∘ <b>⊽</b>	
minimum elong	2065 Mar 11 04:23	21° <b>∺</b> 02'02	8°47'13		2067 Oct 05 11:38	$0^{\circ}$ M	
morning rise	2065 Mar 14 05:29	19° <b>)</b> 08'48		desc. node	2067 Oct 19 14:50	17°M31'08	
direct	2065 Mar 31 22:08	13° <b>)</b> €06'56			2067 Oct 29 16:42	0°⊀	
greatest brilliancy	2065 Apr 10 03:34	14° <b>)(</b> 41'59	-4.8m		2067 Nov 22 22:57	ರ°0	
desc. node	2065 May 03 19:30	29° <b>)</b> €06'07			2067 Dec 17 08:06	0° <b>≈</b>	
	2065 May 04 21:45	$0$ ° $\Upsilon$			2068 Jan 11 00:44	0° <b>)</b> €	
morning max el	2065 May 20 03:44	13° <b>Ƴ</b> 45′22	45°58'44		2068 Feb 05 10:55	$0^{\circ}$ Y	
	2065 Jun 05 05:38	$9^{\circ}$ 8		asc. node	2068 Feb 09 17:59	4° <b>Y</b> 55'26	
	2065 Jul 02 17:22	$\Pi^{\circ}0$			2068 Mar 03 15:07	$0^{\circ}$ 8	
	2065 Jul 28 20:19	$0$ $\circ$ $\odot$		evening max el	2068 Mar 10 19:07	7° <b>8</b> 18'21	46°19'03
	2065 Aug 23 04:02	$0$ $^{\circ}$ $\Omega$			2068 Apr 06 03:59	$\Pi$ °0	
asc. node	2065 Aug 24 22:57	2° <b>Ω</b> 08'50		greatest brilliancy	2068 Apr 18 13:26	6° <b>Ⅱ</b> 42'11	-4.8m
	2065 Sep 16 21:42	0° <b>m</b> y		retrograde	2068 Apr 29 10:52	8° <b>Ⅱ</b> 52'15	
	2065 Oct 11 05:04	0∘ <b>⊽</b>		evening set	2068 May 14 21:34	4° <b>Ⅱ</b> 12'57	
	2065 Nov 04 05:52	0°M₊		inferior conj	2068 May 20 19:36	0° <b>∏</b> 37'07	
morning set	2065 Nov 13 23:36	12°M12'43		minimum elong	2068 May 21 00:50		2°26'05
	2065 Nov 28 03:20	0°⊀		min. Earth dist.	2068 May 20 19:17	0° <b>Ⅱ</b> 37'37	0.28753 AU
desc. node	2065 Dec 14 12:26	20° <b>∡</b> 36′24			2068 May 21 19:11	30° <b>₹</b> 8	
	2065 Dec 21 23:34	0°る		morning rise	2068 May 27 04:29	26° <b>8</b> 47'10	
		—		desc. node	2068 May 31 07:18	24° <b>8</b> 46'13	
superior conj	2065 Dec 24 17:33	3°₹27'38		direct	2068 Jun 11 07:33	22° <b>8</b> 23'19	
minimum elong	2065 Dec 24 11:15	3°₹07'48		greatest brilliancy	2068 Jun 21 09:24	24° <b>8</b> 13'23	-4.7m
max. Earth dist.	2065 Dec 25 09:14	4°₹16'59	1.71071 AU		2068 Jul 02 23:31	0°Ⅱ 222 Ⅱ 2512.4	4504445
	2066 Jan 14 19:52	0°≈		morning max el	2068 Jul 30 00:38	22° <b>∏</b> 05'04	45°44'15
evening rise	2066 Feb 04 03:54	25°≈31'51			2068 Aug 07 02:25	0°©	
	2066 Feb 07 17:30	0° <b>∀</b> 0° <b>Υ</b>		1	2068 Sep 04 03:50	0° <b>Ω</b>	
	2066 Mar 03 18:13			asc. node	2068 Sep 21 10:58	19° <b>Ω</b> 46'41	
aga mada	2066 Mar 28 00:10	0° <b>と</b> 11° <b>と</b> 50'46			2068 Sep 30 04:01	0 <b>்⊽</b> 0° <b>™</b>	
asc. node	2066 Apr 06 15:53	0° <b>Ⅱ</b>			2068 Oct 25 02:56 2068 Nov 18 11:36	0°M	
	2066 Apr 21 13:42 2066 May 16 13:38	0. о п			2068 Dec 12 12:55	0 IIC 0° <b>√</b> 7	
	2066 Jun 11 05:00	0°Ω			2069 Jan 05 11:08	0° <b>ठ</b>	
	2066 Jul 07 23:36	0° <b>m</b> y		desc. node	2069 Jan 11 00:09	6° <b>る</b> 57'23	
desc. node	2066 Jul 27 05:00	20° Mp 06'10		desc. flode	2069 Jan 29 08:42	0°≈	
evening max el	2066 Aug 03 03:36	26° m 53'49	45°43'49	morning set	2069 Jan 29 13:43	0°≈15'43	
evening max or	2066 Aug 06 10:34	0° <b>⊽</b>	13 13 15	morning sec	2069 Feb 22 07:09	0° <b>∀</b>	
greatest brilliancy	2066 Sep 11 20:37	25° <b>≏</b> 15'02	-4.8m		2007100 22 07.07	٠,٨	
retrograde	2066 Sep 21 01:11	26° <b>Ω</b> 46'50		superior conj	2069 Mar 11 12:14	21° <b>)</b> 30'29	-1°25'52
evening set	2066 Oct 08 03:55	21° <b>Ω</b> 15'27		minimum elong	2069 Mar 11 14:03	21° <b>)</b> (36'10	
inferior conj	2066 Oct 11 23:20	18° <b>£</b> 57'47	-7°36'09	max. Earth dist.	2069 Mar 15 17:23	26° <b>)</b> 45'48	1.72012 AU
minimum elong	2066 Oct 12 08:35	18° <b>≏</b> 43'35	7°34'42		2069 Mar 18 07:43	$0^{\circ}\mathbf{Y}$	
min. Earth dist.	2066 Oct 12 21:30	18° <b>≏</b> 23'49	0.27629 AU		2069 Apr 11 11:30	0°8	
morning rise	2066 Oct 16 12:53	16° <b>≏</b> 13'20		evening rise	2069 Apr 19 20:55	10° <b>8</b> 22'29	
direct	2066 Nov 02 00:40	10° <b>≙</b> 59'03		asc. node	2069 May 04 03:46	27° <b>8</b> 58'36	
greatest brilliancy	2066 Nov 13 03:27	13° <b>≏</b> 18′27	-4.9m		2069 May 05 19:17	$\Pi$ $^{\circ}0$	
asc. node	2066 Nov 17 08:26	15° <b>≙</b> 14'18			2069 May 30 07:28	$0$ $\circ$ $\odot$	
	2066 Dec 07 18:19	0° <b>M</b>			2069 Jun 24 00:36	$0$ ° $\Omega$	
morning max el	2066 Dec 22 19:06	14°M24'20	46°54'52		2069 Jul 19 00:23	0° <b>™</b>	
	2067 Jan 06 11:28	0°⊀			2069 Aug 13 10:22	0∘ <b>ত</b>	
	2067 Feb 01 19:25	0°₹		desc. node	2069 Aug 23 16:55	11° <b>≏</b> 55'18	
	2067 Feb 27 01:58	0° <b>≈</b>			2069 Sep 08 13:37	$0^{\circ}$ M	
desc. node	2067 Mar 08 21:58	11° <b>≈</b> 49′50			2069 Oct 06 03:57	0° <b>∡</b> °	
	2067 Mar 23 22:23	0° <b>∀</b>		evening max el	2069 Oct 15 07:33	9° <b>∡</b> 16'36	46°50'35
	2067 Apr 17 14:42	0° <b>Υ</b>			2069 Nov 07 17:47	0°る	
	2067 May 12 05:30	8°0		greatest brilliancy	2069 Nov 24 18:28	9° <b>る</b> 44'49	-4.9m
	2067 Jun 05 19:28	0°П		retrograde	2069 Dec 04 13:11	11° <b>る</b> 33'16	
morning set	2067 Jun 25 09:55	23° <b>II</b> 58'31		asc. node	2069 Dec 14 20:15	9°る24'23	
asc. node	2067 Jun 30 01:19	29° <b>∏</b> 39'40		evening set	2069 Dec 18 21:25	7° <b>る</b> 29'18	2020100
	2067 Jun 30 07:57	0.ಲ		inferior conj	2069 Dec 25 02:24	3° <b>る</b> 51'41	2°38'08
mov Forth 1:-4	2067 Jul 24 18:02	0°Ω 5°Ω27'22	1 72225 ATT	minimum elong	2069 Dec 24 20:34	4°る00'35	2°36'19
max. Earth dist.	2067 Jul 29 07:36	3 863/22	1.73335 AU	min. Earth dist.	2069 Dec 24 18:18	4°る04'04 0°る29'43	0.26443 AU
superior cori	2067 Jul 21 10.20	80 <b>()</b> 4212.4	1006'02	morning rise	2069 Dec 30 19:47		
superior conj	2067 Jul 31 19:38	8° <b>Ω</b> 42'24	1 00 02		2069 Dec 31 18:11	30°₹⊀	

direct	2070 Jan 14 10:38	26° <b>∡</b> 14'47			2072 Jul 08 09:19	$0^{\circ}\Omega$	
greatest brilliancy	2070 Jan 24 05:58	28°×1347	-4 9m		2072 Aug 01 20:37	0° m)	
greatest offinancy	2070 Jan 28 19:29	0°る	4.7111		2072 Aug 26 09:45	0° <del>م</del>	
morning max el	2070 Mar 05 15:34	28° <b>♂</b> 44'04	46°43'30	desc. node	2072 Sep 20 04:57	0°M08'17	
morning max or	2070 Mar 06 21:53	0°≈	10 13 30	dese. Hode	2072 Sep 20 02:13	0°M	
	2070 Apr 03 22:56	0° <b>∀</b>			2072 Oct 14 23:55	0° <b>⊼</b>	
desc. node	2070 Apr 05 09:50	1° <b>)</b> 37'38			2072 Nov 09 06:21	∞ੇਂਟ	
dese. Hode	2070 Apr 30 05:20	0° <b>Υ</b>			2072 Dec 05 07:55	0° <b>≈</b>	
	2070 May 25 18:48	0°8		evening max el	2072 Dec 26 18:54	23° <b>≈</b> 06'22	47°16'20
	2070 Jun 19 23:20	0°II		evening max er	2073 Jan 02 17:07	0° <b>∀</b>	17 1020
	2070 Jul 14 21:07	0. 0.		asc. node	2073 Jan 11 08:12	8° <b>₩</b> 00'22	
asc. node	2070 Jul 27 13:09	15° <b>5</b> 23'02		greatest brilliancy	2073 Feb 05 08:42	24° <b>)</b> 46'57	-4.9m
use. Houe	2070 Aug 08 12:19	0°Ω		retrograde	2073 Feb 15 18:23	26° <b>X</b> 51'04	4.7111
morning set	2070 Sep 01 09:27	29° <b>Ω</b> 23'48		evening set	2073 Mar 05 17:47	20°\(\frac{1}{33}\)'59	
morning set	2070 Sep 01 03:27 2070 Sep 01 21:09	0° m		min. Earth dist.	2073 Mar 08 02:52	19° <b>¥</b> 05'27	0.27777 AU
	2070 Sep 26 00:49	0∘ <b>ʊ</b> ○ ''ð		inferior conj	2073 Mar 08 16:53	18° <b>)</b> 43'29	8°49'07
max. Earth dist.	2070 Sep 20 00:45 2070 Oct 05 09:55	0 <b>—</b> 11° <b>≏</b> 42'06	1.72013 AU	minimum elong	2073 Mar 08 17:48	18° <b>)</b> (43'2)	8°49'06
max. Earth dist.	2070 000 00 00.00	11 - 12 00	1.72013110	morning rise	2073 Mar 11 18:01	16° <b>¥</b> 50′20	0 15 00
superior conj	2070 Oct 08 12:45	15° <b>≏</b> 35'50	1°15'13	direct	2073 Mar 29 12:16	10° <b>X</b> 46'32	
minimum elong	2070 Oct 08 12:49 2070 Oct 08 21:00	16° <b>⊆</b> 01'36		greatest brilliancy	2073 Apr 07 15:57	10 <b>X</b> 40 32 12° <b>¥</b> 20'38	-4.8m
minimum ciong	2070 Oct 20 01:14	0°M	1 15 01	desc. node	2073 May 02 21:31	28° <b>)</b> 01'27	1.0111
	2070 Nov 13 00:10	0°× <b>7</b> 1		dese. Hode	2073 May 05 05:32	0°Υ	
desc. node	2070 Nov 16 02:40	3° <b>х</b> 53′21		morning max el	2073 May 17 19:20	11° <b>Υ</b> 31'23	45°59'59
evening rise	2070 Nov 16 02:40	4°×750'34		morning max cr	2073 Jun 04 23:47	0°8	43 37 37
evening rise	2070 Dec 06 22:47	0°ਰ			2073 Jul 02 07:49	0°II	
	2070 Dec 30 22:02	0° <b>≈</b>			2073 Jul 28 09:06	0°©	
	2070 Dec 30 22:02 2071 Jan 23 23:41	0° <b>∀</b>			2073 Aug 22 15:56	$0$ ° $\Omega$	
	2071 Feb 17 07:02	0° <b>Υ</b>		asc. node	2073 Aug 24 01:08	1° <b>Ω</b> 39'46	
asc. node	2071 Mar 09 05:59	24° <b>Υ</b> 14'13		use. node	2073 Sep 16 09:07	0° m)	
use. Hour	2071 Mar 14 01:19	0°8			2073 Oct 10 16:16	0∘ <b>⊽</b>	
	2071 Apr 08 14:59	0°II			2073 Nov 03 17:02	o° <b>m</b>	
	2071 May 05 17:55	0. 0.		morning set	2073 Nov 11 12:35	9° <b>M</b> 47'54	
evening max el	2071 May 21 07:38	15° <b>©</b> 46'16	45°27'10	morning sec	2073 Nov 27 14:31	0° <b>∡</b> 7	
evening max er	2071 Jun 06 06:16	0°Ω	15 27 10	desc. node	2073 Dec 13 14:27	20° <b>₹</b> 07'31	
greatest brilliancy	2071 Jun 28 07:33	13° <b>Ω</b> 34'59	-4.7m	dese. Hode	2073 Dec 13 14:27 2073 Dec 21 10:47	0°る	
desc. node	2071 Jun 28 19:12	13° <b>Ω</b> 45'28	1.7111		2073 BCC 21 10.17	ů <b>O</b>	
	20/13un 20 17.12	13 00 13 20					
retrograde	2071 Jul 08 23:43	15°Ω38'11		superior coni	2073 Dec. 22, 03:24	0°중52'18	-0°20'17
retrograde	2071 Jul 08 23:43	15° <b>Ω</b> 38'11		superior conj	2073 Dec 22 03:24	0° <b>궁</b> 52'18	
evening set	2071 Jul 25 03:51	10° <b>Ω</b> 40′00	-6°33'52	minimum elong	2073 Dec 21 22:04	0° <b>る</b> 35'31	0°20'02
evening set inferior conj	2071 Jul 25 03:51 2071 Jul 30 11:31	10° <b>Ω</b> 40′00 7° <b>Ω</b> 27′30			2073 Dec 21 22:04 2073 Dec 22 16:35	0° <b>ට</b> 35'31 1°ට33'48	
evening set inferior conj minimum elong	2071 Jul 25 03:51 2071 Jul 30 11:31 2071 Jul 30 01:41	10° <b>Ω</b> 40'00 7° <b>Ω</b> 27'30 7° <b>Ω</b> 42'50	6°31'59	minimum elong max. Earth dist.	2073 Dec 21 22:04 2073 Dec 22 16:35 2074 Jan 14 07:06	0° පි35'31 1° පි33'48 0° ක	0°20'02
evening set inferior conj minimum elong min. Earth dist.	2071 Jul 25 03:51 2071 Jul 30 11:31 2071 Jul 30 01:41 2071 Jul 30 12:07	10° \Pi40'00 7° \Pi27'30 7° \Pi42'50 7° \Pi26'34		minimum elong	2073 Dec 21 22:04 2073 Dec 22 16:35 2074 Jan 14 07:06 2074 Feb 01 14:03	0° <b>云</b> 35'31 1° <b>云</b> 33'48 0°≈ 22°≈57'57	0°20'02
evening set inferior conj minimum elong	2071 Jul 25 03:51 2071 Jul 30 11:31 2071 Jul 30 01:41 2071 Jul 30 12:07 2071 Aug 03 23:17	10°N40'00 7°N27'30 7°N42'50 7°N26'34 4°N42'49	6°31'59	minimum elong max. Earth dist.	2073 Dec 21 22:04 2073 Dec 22 16:35 2074 Jan 14 07:06 2074 Feb 01 14:03 2074 Feb 07 04:46	0°♂35'31 1°♂33'48 0°≈ 22°≈57'57 0°ዧ	0°20'02
evening set inferior conj minimum elong min. Earth dist. morning rise	2071 Jul 25 03:51 2071 Jul 30 11:31 2071 Jul 30 01:41 2071 Jul 30 12:07 2071 Aug 03 23:17 2071 Aug 14 14:45	10°N40'00 7°N27'30 7°N42'50 7°N26'34 4°N42'49 30°R©	6°31'59	minimum elong max. Earth dist.	2073 Dec 21 22:04 2073 Dec 22 16:35 2074 Jan 14 07:06 2074 Feb 01 14:03 2074 Feb 07 04:46 2074 Mar 03 05:33	0°♂35'31 1°♂33'48 0°≈ 22°≈57'57 0°ℋ 0°℉	0°20'02
evening set inferior conj minimum elong min. Earth dist.	2071 Jul 25 03:51 2071 Jul 30 11:31 2071 Jul 30 01:41 2071 Jul 30 12:07 2071 Aug 03 23:17 2071 Aug 14 14:45 2071 Aug 21 01:57	10°N40'00 7°N27'30 7°N42'50 7°N26'34 4°N42'49 30°RS 29°S10'01	6°31'59	minimum elong max. Earth dist. evening rise	2073 Dec 21 22:04 2073 Dec 22 16:35 2074 Jan 14 07:06 2074 Feb 01 14:03 2074 Feb 07 04:46 2074 Mar 03 05:33 2074 Mar 27 11:41	0°♂35'31 1°♂33'48 0°≈ 22°≈57'57 0°ዧ 0°Ƴ	0°20'02
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evening set inferior conj minimum elong min. Earth dist. morning rise direct greatest brilliancy morning max el asc. node  desc. node	2071 Jul 25 03:51 2071 Jul 30 11:31 2071 Jul 30 01:41 2071 Jul 30 12:07 2071 Aug 03 23:17 2071 Aug 14 14:45 2071 Aug 21 01:57 2071 Aug 31 18:31 2071 Aug 31 18:31 2071 Oct 09 10:29 2071 Oct 09 15:52 2071 Oct 19 22:41 2071 Nov 06 13:26 2071 Dec 02 06:48 2071 Dec 27 01:05 2072 Jan 20 09:30 2072 Feb 08 12:09 2072 Mar 08 17:54 2072 Apr 01 22:29 2072 Apr 14 07:18	10° A40'00 7° A27'30 7° A26'34 4° A42'49 30° R© 29° © 10'01 0° A 1° A13'26 0° M 0° M 13'14 10° M 43'13 0° Ω 0° M 0° X 0° S 23° S41'25 0° № 0° Y 15° Y 18'08	6°31'59 0.28978 AU -4.8m	minimum elong max. Earth dist. evening rise  asc. node  desc. node evening max el greatest brilliancy retrograde evening set inferior conj minimum elong min. Earth dist. morning rise direct	2073 Dec 21 22:04 2073 Dec 22 16:35 2074 Jan 14 07:06 2074 Feb 01 14:03 2074 Feb 07 04:46 2074 Mar 03 05:33 2074 Mar 27 11:41 2074 Apr 05 17:54 2074 Apr 21 01:34 2074 Jun 10 18:50 2074 Jul 07 16:18 2074 Jul 26 07:10 2074 Jul 31 18:13 2074 Aug 06 12:07 2074 Sep 09 09:40 2074 Sep 18 14:11 2074 Oct 09 13:18 2074 Oct 09 12:06 2074 Oct 10 11:18 2074 Oct 13 23:18 2074 Oct 30 15:26	0°る35'31 1°る33'48 0°≈ 22°≈57'57 0°升 0°分 0°分 0°分 0°分 0°分 0°分 0°が 19°か19'11 24°か38'15 0°Ω 22°♀55'57 24°♀27'30 18°♀51'58 16°♀37'52 16°♀24'21 16°♀04'05 13°♀58'08 8°♀38'19	0°20'02 1.71073 AU 45°42'07 -4.8m -7°46'34 7°45'17 0.27695 AU
evening set inferior conj minimum elong min. Earth dist. morning rise direct greatest brilliancy morning max el asc. node  desc. node	2071 Jul 25 03:51 2071 Jul 30 11:31 2071 Jul 30 01:41 2071 Jul 30 12:07 2071 Aug 03 23:17 2071 Aug 14 14:45 2071 Aug 21 01:57 2071 Aug 27 18:31 2071 Aug 31 18:31 2071 Oct 09 10:29 2071 Oct 09 15:52 2071 Oct 19 22:41 2071 Nov 06 13:26 2071 Dec 02 06:48 2071 Dec 27 01:05 2072 Jan 20 09:30 2072 Feb 08 12:09 2072 Feb 13 14:07 2072 Mar 08 17:54 2072 Apr 01 22:29 2072 Apr 14 07:18 2072 May 20 13:08	10° A40'00 7° A27'30 7° A26'34 4° A42'49 30° RS 29° S10'01 0° A 1° A13'26 0° M 0° M 13'14 10° M 43'13 0° Ω 0° M 0° X 0° X 0° X 0° X 0° X 0° X 0° Y 15° Y 18'08 0° H	6°31'59 0.28978 AU -4.8m 46°15'22	minimum elong max. Earth dist. 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	2073 Dec 21 22:04 2073 Dec 22 16:35 2074 Jan 14 07:06 2074 Feb 01 14:03 2074 Feb 07 04:46 2074 Mar 03 05:33 2074 Mar 27 11:41 2074 Apr 05 17:54 2074 Apr 21 01:34 2074 Jun 10 18:50 2074 Jul 07 16:18 2074 Jul 07 16:18 2074 Jul 31 18:13 2074 Aug 06 12:07 2074 Sep 09 09:40 2074 Sep 18 14:11 2074 Oct 05 20:34 2074 Oct 09 13:18 2074 Oct 10 11:18 2074 Oct 13 23:18 2074 Oct 30 15:26 2074 Nov 10 18:00	0°♂35'31 1°♂33'48 0°≈ 22°≈57'57 0° 升 0°	0°20'02 1.71073 AU 45°42'07 -4.8m -7°46'34 7°45'17 0.27695 AU
evening set inferior conj minimum elong min. Earth dist. morning rise direct greatest brilliancy morning max el asc. node  desc. node  superior conj	2071 Jul 25 03:51 2071 Jul 30 11:31 2071 Jul 30 01:41 2071 Jul 30 12:07 2071 Aug 03 23:17 2071 Aug 14 14:45 2071 Aug 21 01:57 2071 Aug 27 18:31 2071 Aug 31 18:31 2071 Oct 09 10:29 2071 Oct 09 15:52 2071 Oct 19 22:41 2071 Nov 06 13:26 2071 Dec 02 06:48 2071 Dec 27 01:05 2072 Jan 20 09:30 2072 Feb 08 12:09 2072 Feb 13 14:07 2072 Mar 08 17:54 2072 Apr 01 22:29 2072 Apr 14 07:18 2072 May 20 13:08	10°A40'00 7°A27'30 7°A26'34 4°A42'49 30°RS 29°S10'01 0°A 1°A13'26 0°M 0°M13'14 10°M43'13 0°A 0°M 0°X 0°S 23°S41'25 0°X 0°Y 15°Y18'08 0°B 1°I45'20	6°31'59 0.28978 AU -4.8m 46°15'22	minimum elong max. Earth dist. evening rise  asc. node  desc. node evening max el greatest brilliancy retrograde evening set inferior conj minimum elong min. Earth dist. morning rise direct	2073 Dec 21 22:04 2073 Dec 22 16:35 2074 Jan 14 07:06 2074 Feb 01 14:03 2074 Feb 07 04:46 2074 Mar 03 05:33 2074 Mar 27 11:41 2074 Apr 05 17:54 2074 Apr 21 01:34 2074 Jun 10 18:50 2074 Jul 07 16:18 2074 Jul 26 07:10 2074 Jul 31 18:13 2074 Aug 06 12:07 2074 Sep 09 09:40 2074 Sep 18 14:11 2074 Oct 05 20:34 2074 Oct 09 13:18 2074 Oct 10 11:18 2074 Oct 13 23:18 2074 Oct 30 15:26 2074 Nov 16 10:23	0°♂35'31 1°♂33'48 0°≈ 22°≈57'57 0° 升 0°	0°20'02 1.71073 AU 45°42'07 -4.8m -7°46'34 7°45'17 0.27695 AU
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	2071 Jul 25 03:51 2071 Jul 30 11:31 2071 Jul 30 01:41 2071 Jul 30 12:07 2071 Aug 03 23:17 2071 Aug 14 14:45 2071 Aug 21 01:57 2071 Aug 27 18:31 2071 Aug 31 18:31 2071 Oct 09 10:29 2071 Oct 09 15:52 2071 Oct 19 22:41 2071 Nov 06 13:26 2071 Dec 02 06:48 2071 Dec 27 01:05 2072 Jan 20 09:30 2072 Feb 08 12:09 2072 Feb 13 14:07 2072 Mar 08 17:54 2072 Apr 01 22:29 2072 Apr 14 07:18 2072 May 21 23:22 2072 May 21 23:22 2072 May 21 23:22 2072 May 22 04:08	10°A40'00 7°A27'30 7°A26'34 4°A42'49 30°R© 29°©10'01 0°A 1°A13'26 0°M 0°M 13'14 10°M 43'13 0°亞 0°M 0°X 0°T 23°T41'25 0°X 0°Y 15°Y18'08 0°U 1°U45'20 1°U59'57	6°31'59 0.28978 AU -4.8m 46°15'22 -0°22'48 0°22'34	minimum elong max. Earth dist. 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	2073 Dec 21 22:04 2073 Dec 22 16:35 2074 Jan 14 07:06 2074 Feb 01 14:03 2074 Feb 07 04:46 2074 Mar 03 05:33 2074 Mar 27 11:41 2074 Apr 05 17:54 2074 Apr 21 01:34 2074 Jun 10 18:50 2074 Jul 07 16:18 2074 Jul 26 07:10 2074 Jul 31 18:13 2074 Aug 06 12:07 2074 Sep 09 09:40 2074 Sep 18 14:11 2074 Oct 05 20:34 2074 Oct 09 13:18 2074 Oct 09 12:06 2074 Oct 10 11:18 2074 Oct 30 15:26 2074 Nov 10 18:00 2074 Nov 16 10:23 2074 Dec 08 00:16	0° \$\overline{3}35'31 1° \$\overline{3}33'48 0° \$\infty\$ 22° \$\infty\$57'57 0° \$\overline{4}\$ 13° \$\overline{4}\$25'55 16° \$\overline{4}\$24'21 16° \$\overline{4}\$24'21 16° \$\overline{4}\$24'21 16° \$\overline{4}\$24'21 16° \$\overline{4}\$24'21 16° \$\overline{4}\$24'5 13° \$\overline{4}\$38'19 10° \$\overline{4}\$56'57 13° \$\overline{4}\$39'57 0° \$\overline{4}\$	0°20'02 1.71073 AU 45°42'07 -4.8m -7°46'34 7°45'17 0.27695 AU -4.9m
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.	2071 Jul 25 03:51 2071 Jul 30 11:31 2071 Jul 30 01:41 2071 Jul 30 12:07 2071 Aug 03 23:17 2071 Aug 14 14:45 2071 Aug 21 01:57 2071 Aug 27 18:31 2071 Aug 31 18:31 2071 Oct 09 10:29 2071 Oct 09 15:52 2071 Oct 19 22:41 2071 Nov 06 13:26 2071 Dec 02 06:48 2071 Dec 27 01:05 2072 Jan 20 09:30 2072 Feb 08 12:09 2072 Feb 13 14:07 2072 Mar 08 17:54 2072 Apr 01 22:29 2072 Apr 14 07:18 2072 May 20 13:08 2072 May 21 23:22 2072 May 21 23:22 2072 May 22 04:08 2072 May 23 04:29	10°A40'00 7°A27'30 7°A26'34 4°A42'49 30°R© 29°©10'01 0°A 1°A13'26 0°M 0°M 13'14 10°M 43'13 0°亞 0°M 0°ズ 0°式 23°云41'25 0°※ 0°Y 15°Y18'08 0°H 1°I45'20 1°I59'57 3°I14'54	6°31'59 0.28978 AU -4.8m 46°15'22	minimum elong max. Earth dist. 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	2073 Dec 21 22:04 2073 Dec 22 16:35 2074 Jan 14 07:06 2074 Feb 01 14:03 2074 Feb 07 04:46 2074 Mar 03 05:33 2074 Mar 27 11:41 2074 Apr 05 17:54 2074 Apr 21 01:34 2074 Jun 10 18:50 2074 Jul 07 16:18 2074 Jul 26 07:10 2074 Jul 31 18:13 2074 Aug 06 12:07 2074 Sep 09 09:40 2074 Sep 18 14:11 2074 Oct 05 20:34 2074 Oct 09 13:18 2074 Oct 09 13:18 2074 Oct 10 11:18 2074 Oct 13 23:18 2074 Oct 10 11:18 2074 Oct 30 15:26 2074 Nov 16 10:23 2074 Dec 08 00:16 2074 Dec 20 08:40	0°る35'31 1°る33'48 0°≈ 22°≈57'57 0°)€ 0°° 0° 11°821'26 0° 11°00 0° 0° 19° 19° 19° 19° 19° 19° 19° 15'55'57 24° 22° 255'57 24° 227'30 18° 255'57 24° 24'21 16° 24'21 16° 256'57 13° 256'57 13° 11° 11° 11° 159'10	0°20'02 1.71073 AU 45°42'07 -4.8m -7°46'34 7°45'17 0.27695 AU
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	2071 Jul 25 03:51 2071 Jul 30 11:31 2071 Jul 30 01:41 2071 Jul 30 12:07 2071 Aug 03 23:17 2071 Aug 14 14:45 2071 Aug 21 01:57 2071 Aug 27 18:31 2071 Aug 31 18:31 2071 Oct 09 10:29 2071 Oct 09 15:52 2071 Oct 19 22:41 2071 Nov 06 13:26 2071 Dec 02 06:48 2071 Dec 27 01:05 2072 Jan 20 09:30 2072 Feb 08 12:09 2072 Feb 13 14:07 2072 Mar 08 17:54 2072 Apr 01 22:29 2072 Apr 14 07:18 2072 May 20 13:08 2072 May 21 23:22 2072 May 21 23:22 2072 May 23 04:29 2072 May 31 15:32	10°A40'00 7°A27'30 7°A26'34 4°A42'49 30°R© 29°©10'01 0°A 1°A13'26 0°M 0°M 13'14 10°M43'13 0°© 0°M 0°X 0°T 23°T41'25 0°% 0°Y 15°Y18'08 0°H 1°I45'20 1°I59'57 3°I14'54 13°I39'07	6°31'59 0.28978 AU -4.8m 46°15'22 -0°22'48 0°22'34	minimum elong max. Earth dist. 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	2073 Dec 21 22:04 2073 Dec 22 16:35 2074 Jan 14 07:06 2074 Feb 01 14:03 2074 Feb 07 04:46 2074 Mar 03 05:33 2074 Mar 27 11:41 2074 Apr 05 17:54 2074 Apr 21 01:34 2074 Jun 10 18:50 2074 Jul 07 16:18 2074 Jul 26 07:10 2074 Jul 31 18:13 2074 Aug 06 12:07 2074 Sep 09 09:40 2074 Sep 18 14:11 2074 Oct 05 20:34 2074 Oct 09 13:18 2074 Oct 09 13:18 2074 Oct 10 11:18 2074 Oct 10 11:18 2074 Oct 10 11:18 2074 Oct 13 23:18 2074 Oct 10 11:18 2074 Oct 13 23:18 2074 Oct 10 18:00 2074 Nov 10 18:00 2074 Nov 10 18:00 2074 Dec 08 00:16 2074 Dec 20 08:40 2075 Jan 06 05:47	0° 335'31 1° 333'48 0° ≈ 22° ≈57'57 0° )€ 0° ° ° 0° 8 11° 821'26 0° II 0° © 0° 0° 0° 0° 0° 0° 0° 0° 0° 0° 0° 0° 0°	0°20'02 1.71073 AU 45°42'07 -4.8m -7°46'34 7°45'17 0.27695 AU -4.9m
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.	2071 Jul 25 03:51 2071 Jul 30 11:31 2071 Jul 30 01:41 2071 Jul 30 12:07 2071 Aug 03 23:17 2071 Aug 14 14:45 2071 Aug 21 01:57 2071 Aug 27 18:31 2071 Aug 31 18:31 2071 Oct 09 10:29 2071 Oct 09 15:52 2071 Oct 19 22:41 2071 Nov 06 13:26 2071 Dec 02 06:48 2071 Dec 27 01:05 2072 Jan 20 09:30 2072 Feb 08 12:09 2072 Feb 13 14:07 2072 Mar 08 17:54 2072 Apr 01 22:29 2072 Apr 14 07:18 2072 May 20 13:08 2072 May 21 23:22 2072 May 21 23:22 2072 May 22 04:08 2072 May 23 04:29	10°A40'00 7°A27'30 7°A26'34 4°A42'49 30°R© 29°©10'01 0°A 1°A13'26 0°M 0°M 13'14 10°M 43'13 0°亞 0°M 0°ズ 0°式 23°云41'25 0°※ 0°Y 15°Y18'08 0°H 1°I45'20 1°I59'57 3°I14'54	6°31'59 0.28978 AU -4.8m 46°15'22 -0°22'48 0°22'34	minimum elong max. Earth dist. 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	2073 Dec 21 22:04 2073 Dec 22 16:35 2074 Jan 14 07:06 2074 Feb 01 14:03 2074 Feb 07 04:46 2074 Mar 03 05:33 2074 Mar 27 11:41 2074 Apr 05 17:54 2074 Apr 21 01:34 2074 Jun 10 18:50 2074 Jul 07 16:18 2074 Jul 26 07:10 2074 Jul 31 18:13 2074 Aug 06 12:07 2074 Sep 09 09:40 2074 Sep 18 14:11 2074 Oct 05 20:34 2074 Oct 09 13:18 2074 Oct 09 13:18 2074 Oct 10 11:18 2074 Oct 13 23:18 2074 Oct 10 11:18 2074 Oct 30 15:26 2074 Nov 16 10:23 2074 Dec 08 00:16 2074 Dec 20 08:40	0°る35'31 1°る33'48 0°≈ 22°≈57'57 0°)€ 0°° 0° 11°821'26 0° 11°00 0° 0° 19° 19° 19° 19° 19° 19° 19° 15'55'57 24° 22° 255'57 24° 227'30 18° 255'57 24° 24'21 16° 24'21 16° 256'57 13° 256'57 13° 11° 11° 11° 159'10	0°20'02 1.71073 AU 45°42'07 -4.8m -7°46'34 7°45'17 0.27695 AU -4.9m

desc. node	2075 Mar 09 00:02	11° <b>≈</b> 16'46			2077 Oct. 06, 00:52	0° <b>∡</b> ¹	
desc. node	2075 Mar 08 00:03				2077 Oct 06 00:53		46040122
	2075 Mar 23 10:54	0° <b>∀</b>		evening max el	2077 Oct 12 20:04	6° <b>₹</b> '50'28	46°48'32
	2075 Apr 17 02:37	0° <b>Υ</b>			2077 Nov 08 17:03	0°る	
	2075 May 11 16:59	0°8		greatest brilliancy	2077 Nov 22 07:55	7° <b>る</b> 16'36	-4.9m
	2075 Jun 05 06:38	$\Pi$ $^{\circ}0$		retrograde	2077 Dec 02 01:21	9° <b>る</b> 04'16	
morning set	2075 Jun 23 03:48	21° <b>Ⅱ</b> 52'34		asc. node	2077 Dec 13 22:20	6° <b>る</b> 13'55	
asc. node	2075 Jun 29 03:23	29° <b>Ⅱ</b> 12'19		evening set	2077 Dec 16 09:01	5° <b>る</b> 01'02	
	2075 Jun 29 18:57	0		inferior conj	2077 Dec 22 14:41	1° <b>る</b> 23'09	2°14'27
	2075 Jul 24 04:58	$0^{\circ}\Omega$		minimum elong	2077 Dec 22 09:40	1° <b>る</b> 30'49	2°12'52
max. Earth dist.	2075 Jul 27 01:28	3° <b>Ω</b> 30′53	1.73362 AU	min. Earth dist.	2077 Dec 22 08:10	1° <b>る</b> 33'06	0.26433 AU
					2077 Dec 24 21:33	30°Ŗ <b>⋌</b> ¹	
superior conj	2075 Jul 29 13:57	6° <b>Ω</b> 37'11	1°04'00	morning rise	2077 Dec 28 10:17	27° <b>∡</b> 58′29	
minimum elong	2075 Jul 29 05:13	6° <b>Ω</b> 10′18	1°03'44	direct	2078 Jan 11 22:37	23° <b>∡</b> ¹45'57	
8	2075 Aug 17 12:24	0°m		greatest brilliancy	2078 Jan 21 20:20	25° <b>х</b> ³37'19	-4 9m
evening rise	2075 Sep 03 15:07	21° Mp 10'40		greatest orimancy	2078 Jan 30 20:26	0°る	1.9111
evening rise	2075 Sep 10 18:00	0° <u>م</u>		morning max el	2078 Mar 03 05:00	00 26° <b>る</b> 19'49	46°44'48
	2075 Oct 04 22:57	0°M		morning max cr	2078 Mar 06 20:13	20° <b>≈</b>	40 44 40
4 4-						0 <b>∞</b> 0° <b>∺</b>	
desc. node	2075 Oct 18 16:49	17°M01'43			2078 Apr 03 15:09		
	2075 Oct 29 04:20	0° <b>∡</b>		desc. node	2078 Apr 04 11:51	0° <b>)</b> €58'10	
	2075 Nov 22 10:58	0°る			2078 Apr 29 19:09	0° <b>Υ</b>	
	2075 Dec 16 20:44	0° <b>≈</b>			2078 May 25 07:22	0°8	
	2076 Jan 10 14:18	0° <b>∀</b>			2078 Jun 19 11:08	$\Pi$ $^{\circ}0$	
	2076 Feb 05 02:18	$0$ ° $\Upsilon$			2078 Jul 14 08:27	$0$ $\circ$	
asc. node	2076 Feb 08 20:04	4° <b>Ƴ</b> 16'19		asc. node	2078 Jul 26 15:18	14° <b>©</b> 55'35	
	2076 Mar 03 11:12	$8^{\circ 0}$			2078 Aug 07 23:23	$0^{\circ}\Omega$	
evening max el	2076 Mar 08 09:36	5° <b>8</b> 00'00	46°21'22	morning set	2078 Aug 30 02:07	27° <b>Ω</b> 13′06	
	2076 Apr 07 06:21	$\Pi^{\circ}0$			2078 Sep 01 08:06	0° m/	
greatest brilliancy	2076 Apr 16 07:01	4° <b>∏</b> 31'46	-4.8m		2078 Sep 25 11:46	0∘ <u>v</u>	
retrograde	2076 Apr 27 02:38	6° <b>Ⅱ</b> 40'40		max. Earth dist.	2078 Oct 03 01:50	9° <b>£</b> 27'43	1.72064 AU
evening set	2076 May 12 15:39	1° <b>П</b> 58'53		man. Bartin dist.	20,0 000 05 01.50	,, .5	1.7200.110
evening set	2076 May 15 23:39	30°R <b>႘</b>		superior conj	2078 Oct 06 03:43	13° <b>≏</b> 18'21	1°16'46
inforior coni	•		2016152				
inferior conj	2076 May 18 11:46	28° <b>8</b> 25'46		minimum elong	2078 Oct 06 11:26	13° <b>≏</b> 42'26	1°16'37
minimum elong	2076 May 18 17:36	28° <b>8</b> 16'33			2078 Oct 19 12:15	0° <b>™</b>	
min. Earth dist.	2076 May 18 11:56	28° <b>8</b> 25'30	0.28732 AU		2078 Nov 12 11:19	0° <b>∡</b>	
morning rise	2076 May 24 19:53	24° <b>8</b> 36'28		evening rise	2078 Nov 14 08:51	2° <b>∡</b> ¹22'35	
desc. node	2076 May 30 09:17	22° <b>8</b> 00'32		desc. node	2078 Nov 15 04:42	3° <b>∡</b> ¹24'44	
direct	2076 Jun 08 22:55	20° <b>8</b> 12'16			2078 Dec 06 10:04	0°ಕ	
greatest brilliancy	2076 Jun 19 01:06	22° <b>8</b> 02'13	-4.7m		2078 Dec 30 09:28	0° <b>≈</b>	
	2076 Jul 03 22:56	$\Pi$ $^{\circ}0$			2079 Jan 23 11:18	0° <b>∀</b>	
morning max el	2076 Jul 27 15:21	19° <b>Ⅱ</b> 51′28	45°43'56		2079 Feb 16 19:01	$0^{\circ}$ Y	
	2076 Aug 06 22:03	0°€		asc. node	2079 Mar 08 07:57	23° <b>Y</b> ′42'28	
	2076 Sep 03 18:45	$0^{\circ}\Omega$			2079 Mar 13 14:02	0°B	
asc. node	2076 Sep 20 12:55	19° <b>Ω</b> 12'42			2079 Apr 08 05:12	0°Щ	
	2076 Sep 29 17:07	0° m/			2079 May 05 11:50	0°©	
	2076 Oct 24 15:09	0∘ <b>⊽</b>		evening max el	2079 May 18 23:57	13° <b>©</b> 36'35	45°27'58
	2076 Nov 17 23:22	0°M		evening max er	2079 Jun 06 16:15	0° <b>Ω</b>	15 27 50
	2076 Nov 17 23:22 2076 Dec 12 00:24	0° <b>⊼</b> ¹		greatest brilliancy	2079 Jun 25 21:44	11° <b>Ω</b> 23'32	-4.7m
	2070 Dec 12 00:24 2077 Jan 04 22:27	0°る		desc. node		$11^{\circ} 023^{\circ} 32$ $12^{\circ} \Omega 03^{\circ} 56$	-4./111
4 4-		6° <b>る</b> 28'47			2079 Jun 27 21:24		
desc. node	2077 Jan 10 02:20			retrograde	2079 Jul 06 16:13	13° <b>Ω</b> 28'34	
morning set	2077 Jan 26 23:38	27°₹41′00		evening set	2079 Jul 22 17:04	8° <b>Ω</b> 34'01	
	2077 Jan 28 19:56	0° <b>≈</b>		inferior conj	2079 Jul 28 03:35	5° <b>Ω</b> 17'18	
	2077 Feb 21 18:19	0° <b>∀</b>		minimum elong	2079 Jul 27 17:40	5° <b>Ω</b> 32'44	
				min. Earth dist.	2079 Jul 28 03:14	5° <b>Ω</b> 17'51	0.28991 AU
superior conj	2077 Mar 09 00:35	19° <b>) (</b> 04′39	-1°26'06	morning rise	2079 Aug 01 18:09	2° <b>Ω</b> 28'44	
minimum elong	2077 Mar 09 01:26	19° <b>米</b> 07'19	1°26'07		2079 Aug 06 09:57	30° <b>₹</b> ∽	
max. Earth dist.	2077 Mar 13 03:49	24° <b>) (</b> 14′09	1.71958 AU	direct	2079 Aug 18 18:39	26° <b>©</b> 59'46	
	2077 Mar 17 18:49	$0^{\circ}\Upsilon$		greatest brilliancy	2079 Aug 29 09:49	29° <b>©</b> 02'22	-4.8m
	2077 Apr 10 22:35	0°8			2079 Aug 31 19:23	$0^{\circ}\Omega$	
evening rise	2077 Apr 17 11:21	8° <b>8</b> 04'35		morning max el	2079 Oct 07 08:01	28° <b>Ω</b> 00'44	46°13'45
asc. node	2077 May 03 05:43	27° <b>8</b> 30'25			2079 Oct 07 08:09 2079 Oct 09 08:09	0° m)	
abe. Hode	2077 May 05 06:25	0°II		asc. node	2079 Oct 09 08:09 2079 Oct 19 00:44	9° <b>m</b> ,59'09	
	•	0. о п		asc. nouc		0∘ <b>⊽</b>	
	2077 May 29 18:46				2079 Nov 06 05:07		
	2077 Jun 23 12:18	0° <b>N</b>			2079 Dec 01 20:23	0°M 0°. <b>7</b>	
	2077 Jul 18 12:46	0° <b>m</b>			2079 Dec 26 13:39	0° <b>∡</b> 7	
	2077 Aug 12 23:56	0∘ <b>⊽</b>			2080 Jan 19 21:28	0° <b>ろ</b>	
desc. node	2077 Aug 22 18:59	11° <b>≏</b> 20′10		desc. node	2080 Feb 07 14:11	23° <b>る</b> 11'40	
	2077 Sep 08 05:24	$0^{\circ}$ M			2080 Feb 13 01:40	0° <b>≈</b>	

	2080 Mar 08 05:06	0° <b>∀</b>		retrograde	2082 Sep 16 02:54	22° <b>£</b> 09'08	
	2080 Mar 08 03:00 2080 Apr 01 09:26	0° <b>Υ</b>		evening set	2082 Sep 10 02:34 2082 Oct 03 12:59	16° <b>£</b> 29'31	
morning set	2080 Apr 01 05:20 2080 Apr 11 22:33	13° <b>Y</b> 03'16		inferior conj	2082 Oct 03 12:37 2082 Oct 07 03:17	14° <b>⊆</b> 2931	-7°56'00
morning set	2080 Apr 25 15:38	0° <b>8</b>		minimum elong	2082 Oct 07 03:17 2082 Oct 07 11:33	14° <b>⊆</b> 1632	
	2000 ripi 23 13.30	ů <b>O</b>		min. Earth dist.	2082 Oct 08 01:22	13° <b>Ω</b> 44'54	
superior conj	2080 May 19 16:25	29° <b>8</b> 37'08	-0°25'56	morning rise	2082 Oct 11 09:45	11° <b>Ω</b> 43'53	0.2770.110
minimum elong	2080 May 19 21:48	29° <b>8</b> 53'41		direct	2082 Oct 28 05:43	6° <b>Ω</b> 18'15	
	2080 May 19 23:51	0°II		greatest brilliancy	2082 Nov 08 09:08	8° <b>≏</b> 37'00	-4.9m
max. Earth dist.	2080 May 21 02:41	1° <b>Ⅱ</b> 22'34	1.73368 AU	asc. node	2082 Nov 15 12:29	12° <b>♀</b> 09'40	
asc. node	2080 May 30 17:39	13° <b>Ⅱ</b> 12'44			2082 Dec 08 04:00	0°M	
	2080 Jun 13 09:34	0ංම		morning max el	2082 Dec 17 21:32	9° <b>™</b> 32'58	46°53'14
evening rise	2080 Jun 25 08:39	14°9341'21		C	2083 Jan 05 23:22	0° <b>∡</b> ¹	
C	2080 Jul 07 20:09	$0^{\circ}\Omega$			2083 Feb 01 00:52	0°ರ	
	2080 Aug 01 07:41	0° <b>m</b> )			2083 Feb 26 04:22	0° <b>≈</b>	
	2080 Aug 25 21:13	0∘ <b>⊽</b>		desc. node	2083 Mar 07 01:59	10° <b>≈</b> 44'31	
desc. node	2080 Sep 19 06:54	29° <b>≙</b> 37'35			2083 Mar 22 23:00	0° <b>₩</b>	
	2080 Sep 19 14:19	0° <b>M</b> .			2083 Apr 16 14:06	$0^{\circ}\mathbf{\Upsilon}$	
	2080 Oct 14 12:56	0° <b>∡¹</b>			2083 May 11 04:03	0°B	
	2080 Nov 08 20:50	0°ಕ			2083 Jun 04 17:23	$\Pi^{\circ}0$	
	2080 Dec 05 01:17	0° <b>≈</b>		morning set	2083 Jun 20 22:05	19° <b>Ⅱ</b> 49'07	
evening max el	2080 Dec 24 10:47	20° <b>≈</b> 47'32	47°17'03	asc. node	2083 Jun 28 05:31	28° <b>Ⅱ</b> 46′29	
	2081 Jan 02 19:05	0° <b>∀</b>			2083 Jun 29 05:30	$0$ $\circ$ $\odot$	
asc. node	2081 Jan 10 10:20	6° <b>¥</b> 55'45			2083 Jul 23 15:28	$0^{\circ}\Omega$	
greatest brilliancy	2081 Feb 02 23:16	22° <b>∺</b> 25'32	-4.9m	max. Earth dist.	2083 Jul 24 20:52	1° <b>Ω</b> 30′30	1.73392 AU
retrograde	2081 Feb 13 09:35	24° <b>∺</b> 29'52					
evening set	2081 Mar 03 07:48	18° <b>¥</b> 14′03		superior conj	2083 Jul 27 08:38	4° <b>Ω</b> 34'34	1°01'55
min. Earth dist.	2081 Mar 05 16:00	16° <b>¥</b> 46'51	0.27720 AU	minimum elong	2083 Jul 26 23:52	4° <b>Ω</b> 07'34	1°01'38
inferior conj	2081 Mar 06 07:12	16° <b>∺</b> 23'02	8°50'08		2083 Aug 16 22:59	0° <b>m</b> ∕	
minimum elong	2081 Mar 06 07:15	16° <b>∺</b> 22'58	8°50'09	evening rise	2083 Sep 01 08:38	19° <b>m</b> 03'14	
morning rise	2081 Mar 09 06:55	14° <b>)</b> 32′06			2083 Sep 10 04:46	0∘ <b>⊽</b>	
direct	2081 Mar 27 02:36	8° <b>∺</b> 27'19			2083 Oct 04 09:59	0° <b>M</b> ₊	
greatest brilliancy	2081 Apr 05 04:15	10° <b>)</b> €00'06	-4.8m	desc. node	2083 Oct 17 18:53	16°M33'26	
desc. node	2081 May 01 23:32	26° <b>¥</b> 59'34			2083 Oct 28 15:41	0° <b>∡</b> ¹	
	2081 May 05 10:33	$0^{\circ}\mathbf{\Upsilon}$			2083 Nov 21 22:46	0°₹	
morning max el	2081 May 15 10:06	9° <b>Ƴ</b> 16′29	46°01'13		2083 Dec 16 09:07	0° <b>≈</b>	
	2081 Jun 04 17:06	$_{0\circ}$ 8			2084 Jan 10 03:38	0° <b>∀</b>	
	2081 Jul 01 21:46	$\Pi^{\circ}0$			2084 Feb 04 17:32	0° <b>Υ</b>	
	2081 Jul 27 21:31	0ංම		asc. node	2084 Feb 07 22:02	3° <b>Y</b> 37'35	
	2081 Aug 22 03:34	$0^{\circ}\Omega$			2084 Mar 03 07:27	0°8	
asc. node	2081 Aug 23 03:03	1° <b>Ω</b> 10′39		evening max el	2084 Mar 05 23:31	2° <b>8</b> 41'20	46°23'49
	2081 Sep 15 20:19	0° <b>m</b> )			2084 Apr 08 18:53	0°П	
	2081 Oct 10 03:17	0∘ <b>⊽</b>		greatest brilliancy	2084 Apr 14 00:27	2° <b>Ⅱ</b> 22'27	-4.8m
	2081 Nov 03 03:58	0° <b>M</b> ₊		retrograde	2084 Apr 24 18:47	4° <b>Ⅲ</b> 30'51	
morning set	2081 Nov 09 01:30	7°M23'39		evening set	2084 May 10 09:57	29° <b>8</b> 46'05	
	2081 Nov 27 01:27	0° <b>∡</b>			2084 May 10 00:00	30°R₩	
desc. node	2081 Dec 12 16:34	19° <b>∡</b> ³39'48		inferior conj	2084 May 16 04:05	26° <b>8</b> 16'03	3°05'52
	2001 D 10 12 16	200 71755	001 (100	minimum elong	2084 May 16 10:30	26° <b>8</b> 05'56	3°04'05
superior conj	2081 Dec 19 13:16	28° <b>₹</b> 17'55		min. Earth dist.	2084 May 16 04:42	26° <b>8</b> 15'05	0.28711 AU
minimum elong	2081 Dec 19 08:57 2081 Dec 19 05:05	28° <b>х</b> 04'19 27° <b>х</b> 52'09	0°16'10	morning rise	2084 May 22 11:17	22° <b>8</b> 27'50	
behind sun begin	2081 Dec 19 05:05 2081 Dec 19 12:49			desc. node	2084 May 29 11:28	19° <b>8</b> 20'56	
behind sun end max. Earth dist.		28° ₹ 16'30	1 71076 AII	direct	2084 Jun 06 14:12	18° <b>8</b> 02'43	4.7
max. Earm dist.	2081 Dec 19 21:20 2081 Dec 20 21:43	28° <b>メ</b> *43'18 0°る	1.71076 AU	greatest brilliancy	2084 Jun 16 17:15 2084 Jul 04 15:25	19° <b>8</b> 53'10 0° <b>Ⅱ</b>	-4. /III
	2081 Dec 20 21:43 2082 Jan 13 18:04	0°≈		morning max el	2084 Jul 25 06:39	0 H 17°∏40'52	45°43'48
evening rise	2082 Jan 30 00:10	0 ≈ 20°≈24'38		morning max er	2084 Aug 06 16:32	0°95	43 43 46
evening rise	2082 Jan 30 00:10 2082 Feb 06 15:46	20 <b>≈</b> 24 38 0° <b>∀</b>			2084 Sep 03 08:59	0°Ω	
	2082 Peb 00 15.40 2082 Mar 02 16:37	0° <b>Υ</b>		asc. node	2084 Sep 19 14:59	18° <b>Ω</b> 40'43	
	2082 Mar 26 22:53	0.8 0.1		250. Houe	2084 Sep 29 05:42	0°m)	
asc. node	2082 Mai 20 22:33 2082 Apr 04 19:54	10° <b>8</b> 53'03			2084 Sep 29 03:42 2084 Oct 24 02:58	0∘ <b>⊽</b>	
ase. noue	2082 Apr 04 19:34 2082 Apr 20 13:04	0° <b>I</b>			2084 Oct 24 02:38 2084 Nov 17 10:47	0° <b>™</b>	
	2082 Apr 20 13:04 2082 May 15 14:19	0°ಅ			2084 Nov 17 10:47 2084 Dec 11 11:36	0° <b>⊼</b> ¹	
	2082 Jun 10 08:21	0°Ω			2085 Jan 04 09:31	%ਰ	
	2082 Jul	0° <b>m</b> )		desc. node	2085 Jan 09 04:23	6°号00'35	
desc. node	2082 Jul 25 09:12	18° <b>m</b> ) 32'03		morning set	2085 Jan 24 09:10	0 <b>3</b> 0033 25° <b>3</b> 05'46	
evening max el	2082 Jul 29 07:54	22° m) 21'29	45°40'12		2085 Jan 28 06:54	0° <b>≈</b>	
<i>5</i> <b>2.</b>	2082 Aug 06 14:42	0∘ <b>ಹ</b>	- <del>-</del>		2085 Feb 21 05:10	0° <b>∀</b>	
greatest brilliancy	2082 Sep 06 23:03	20° <b>♀</b> 37'58	-4.8m				
Jy	r 20.00		<del>-</del>				

	2005 M 06 12 26	1601/20140	1027111		2007 1 1 20 12 02	00 0 1 512 4	
superior conj	2085 Mar 06 12:36	16° <b>)</b> (38′40		morning rise	2087 Jul 30 13:03	0° <b>Ω</b> 15'34	
minimum elong	2085 Mar 06 12:27	16° <b>)</b> (38′13			2087 Jul 30 23:51	30°დ	
max. Earth dist.	2085 Mar 10 12:53	21° <b>)</b> (39'10	1.71903 AU	direct	2087 Aug 16 11:36	24°950'42	
	2085 Mar 17 05:35	0° <b>Υ</b>		greatest brilliancy	2087 Aug 27 00:48	26° <b>©</b> 51'47	-4.8m
	2085 Apr 10 09:19	$9^{\circ}$ 8			2087 Sep 02 21:15	$0$ ° $\Omega$	
evening rise	2085 Apr 15 01:42	5° <b>8</b> 47'27		morning max el	2087 Oct 04 23:49	25° <b>Ω</b> 48'17	46°12'16
asc. node	2085 May 02 07:53	27° <b>8</b> 03'55			2087 Oct 09 04:44	0° <b>m</b> y	
	2085 May 04 17:13	$\Pi$ $^{\circ}0$		asc. node	2087 Oct 18 02:49	9° <b>m</b> ∤16′34	
	2085 May 29 05:45	$0$ $\circ$ $\odot$			2087 Nov 05 20:18	0∘ <b>ত</b>	
	2085 Jun 22 23:39	$0^{\circ}\Omega$			2087 Dec 01 09:38	$0^{\circ}$ M	
	2085 Jul 18 00:47	0° <b>m</b>			2087 Dec 26 02:00	0° <b>∡</b> ¹	
	2085 Aug 12 13:09	0∘ <b>⊽</b>			2088 Jan 19 09:18	8°0	
desc. node	2085 Aug 21 20:59	10° <b>Ω</b> 45'58		desc. node	2088 Feb 06 16:10	22° <b>る</b> 41'57	
	2085 Sep 07 20:56	0°M			2088 Feb 12 13:09	0° <b>≈</b>	
	2085 Oct 05 22:06	0° <b>⊼</b> 7			2088 Mar 07 16:19	0° <b>∀</b>	
evening max el	2085 Oct 10 09:05	4° <b>∡</b> ¹26'52	46°46'12		2088 Mar 31 20:27	0°Υ	
evening max er	2085 Nov 10 00:42	0°る	40 40 12	morning set	2088 Apr 09 13:15	10° <b>Υ</b> 46'24	
		0 3 4° <b>3</b> 47′58	4.0	morning set	•		
greatest brilliancy	2085 Nov 19 20:33		-4.9m		2088 Apr 25 02:28	0°8	
retrograde	2085 Nov 29 13:45	6° <b>る</b> 35'26			2000 14 17 00 02	2501 12505	0000105
asc. node	2085 Dec 13 00:27	2°る58'44		superior conj	2088 May 17 09:02	27° <b>8</b> 27'27	
evening set	2085 Dec 13 20:42	2° <b>る</b> 32'30		minimum elong	2088 May 17 15:01	27° <b>8</b> 45'53	
	2085 Dec 18 07:29	30°Ŗ <b>⋌</b> 7		max. Earth dist.	2088 May 19 01:16	29° <b>8</b> 31'18	1.73335 AU
inferior conj	2085 Dec 20 02:45	28° <b>≯</b> 54'28	1°50'19		2088 May 19 10:36	$\Pi$ °0	
minimum elong	2085 Dec 19 22:35	29° <b>₰</b> 00'48	1°48'59	asc. node	2088 May 29 19:43	12° <b>Ⅱ</b> 46′10	
min. Earth dist.	2085 Dec 19 21:35	29° <b>₰</b> 02'20	0.26433 AU		2088 Jun 12 20:18	$0$ $\circ$ $\odot$	
morning rise	2085 Dec 26 00:27	25° <b>∡</b> ¹27'26		evening rise	2088 Jun 23 03:14	12° <b>©</b> 38'04	
direct	2086 Jan 09 11:05	21° <b>∡</b> 16'56			2088 Jul 07 06:58	$0^{\circ}\Omega$	
greatest brilliancy	2086 Jan 19 10:13	23° <b>∡</b> 10′10	-4.9m		2088 Jul 31 18:45	o°mp	
· ·	2086 Feb 01 05:15	8°0			2088 Aug 25 08:42	0∘ <u>ଫ</u>	
morning max el	2086 Feb 28 19:06	23° <b>る</b> 57'23	46°46'07	desc. node	2088 Sep 18 09:02	29° <b>ჲ</b> 07'31	
morning man er	2086 Mar 06 17:36	0°≈	10 10 07	dese. node	2088 Sep 19 02:25	0°M	
	2086 Apr 03 06:55	0° <b>∀</b>			2088 Oct 14 01:56	0° <b>⊼</b> 7	
desc. node	2086 Apr 03 13:57	0° <b>)</b> 19′51			2088 Nov 08 11:21	ੈ ਨ ਹ	
desc. node	•	0° <b>Υ</b>			2088 Dec 04 18:51	0°≈	
	2086 Apr 29 08:36					0 ≈ 18°≈27'08	47017125
	2086 May 24 19:34	8°0		evening max el	2088 Dec 22 01:58		47°17'25
	2086 Jun 18 22:36	0°∏			2089 Jan 02 22:26	0° <b>)</b> {	
	2086 Jul 13 19:29	0°©		asc. node	2089 Jan 09 12:14	5° <b>)</b> (49′07	
asc. node	2086 Jul 25 17:15	14°9528'24		greatest brilliancy	2089 Jan 31 14:08	20° <b>)</b> €04'11	-4.9m
	2086 Aug 07 10:09	$0$ ° $\Omega$		retrograde	2089 Feb 11 00:12	22° <b>)</b> €07'58	
morning set	2086 Aug 27 19:26	25° <b>Ω</b> 05′22		evening set	2089 Feb 28 21:16	15° <b>¥</b> 54'18	
	2086 Aug 31 18:45	0° <b>m</b> y		min. Earth dist.	2089 Mar 03 05:23	14° <b>∺</b> 27′08	0.27669 AU
	2086 Sep 24 22:24	0∘ <b>⊽</b>		inferior conj	2089 Mar 03 21:26	14° <b>)</b> €01'58	8°50'15
max. Earth dist.	2086 Sep 30 18:09	7° <b>≏</b> 15'36	1.72112 AU	minimum elong	2089 Mar 03 20:37	14° <b>∺</b> 03'16	8°50'14
				morning rise	2089 Mar 06 20:11	12° <b>升</b> 12′25	
superior conj	2086 Oct 03 19:23	11° <b>≏</b> 04'06	1°18'10	direct	2089 Mar 24 16:40	6° <b>)</b> €07'23	
minimum elong	2086 Oct 04 02:32	11° <b>≏</b> 26'24	1°18'02	greatest brilliancy	2089 Apr 02 17:05	7° <b>¥</b> 39′07	-4.8m
	2086 Oct 18 22:59	0°M		desc. node	2089 May 01 01:41	25° <b>¥</b> 58'40	
evening rise	2086 Nov 11 21:15	29° <b>M</b> 57'01			2089 May 05 14:07	$0^{\circ}\mathbf{Y}$	
Č	2086 Nov 11 22:13	0° <b>∡</b> ¹		morning max el	2089 May 12 23:57	6° <b>Y</b> 58'16	46°02'27
desc. node	2086 Nov 14 06:52	2° <b>×</b> 757'25			2089 Jun 04 10:20	0°8	
4000. 11040	2086 Dec 05 21:09	0°る			2089 Jul 01 11:46	0°II	
	2086 Dec 29 20:46	0° <b>≈</b>			2089 Jul 27 10:01	0°®	
	2080 Dec 27 20:40 2087 Jan 22 22:52	0° <b>∺</b>			2089 Aug 21 15:16	0°N	
		0 χ 0°Υ		1-	•		
,	2087 Feb 16 06:59			asc. node	2089 Aug 22 05:08	0° <b>Ω</b> 41'43	
asc. node	2087 Mar 07 10:01	23° <b>Y</b> 11′01			2089 Sep 15 07:36	0° <b>m</b> )	
	2087 Mar 13 02:46	0° <b>8</b>			2089 Oct 09 14:23	0∘ <b>⊽</b>	
	2087 Apr 07 19:30	0° <b>∏</b>			2089 Nov 02 15:00	0° <b>M</b>	
	2087 May 05 06:04	0∘ <b>ௐ</b>		morning set	2089 Nov 06 14:51	5° <b>™</b> 00'25	
evening max el	2087 May 16 16:37	11° <b>5</b> 28'09	45°28'58		2089 Nov 26 12:27	0° <b>∡</b>	
	2087 Jun 07 05:22	$0$ $^{\circ}\Omega$		desc. node	2089 Dec 11 18:37	19° <b>∡</b> 11'39	
greatest brilliancy	2087 Jun 23 12:44	9° <b>Ω</b> 13'48	-4.7m				
desc. node	2087 Jun 26 23:25	10° <b>Ω</b> 19′26		superior conj	2089 Dec 16 23:45	25° <b>х</b> 45′16	-0°12'29
retrograde	2087 Jul 04 08:45	11° <b>Ω</b> 19'45		minimum elong	2089 Dec 16 20:27	25° <b>∡</b> ³34'53	0°12'19
evening set	2087 Jul 20 06:39	6° <b>Ω</b> 28'58		behind sun begin	2089 Dec 16 02:54	24° <b>₹</b> 39'41	
inferior conj	2087 Jul 25 19:47	3° <b>Ω</b> 08'06	-6°06'43	behind sun end	2089 Dec 17 13:59	26° <b>х</b> ³30′04	
minimum elong	2087 Jul 25 09:52	3° <b>Ω</b> 23'32	6°04'40	max. Earth dist.	2089 Dec 17 00:40	25° <b>∡</b> ¹48'10	1.71080 AU
min. Earth dist.	2087 Jul 25 18:35		0.28996 AU		2089 Dec 20 08:43	0°ප	-
						-	

evening rise	2090 Jan 13 05:06 2090 Jan 27 10:38	0° <b>≈</b> 17° <b>≈</b> 52'14		morning max el	2092 Jul 22 22:49 2092 Aug 06 11:05	15° <b>Ⅱ</b> 30'59 0° <b>©</b>	45°43'38
evening rise	2090 Feb 06 02:51	0° <b>∀</b>			2092 Sep 02 23:32	$0 {\circ} \Omega$	
	2090 Mar 02 03:49	0° <b>Υ</b>		asc. node	2092 Sep 18 17:09	18° <b>Ω</b> 07'51	
	2090 Mar 26 10:17	0°8			2092 Sep 28 18:37	0° m)	
asc. node	2090 Apr 03 22:03	10° <b>8</b> 24'21			2092 Oct 23 15:06	0∘ <u>v</u>	
	2090 Apr 20 00:51	$\Pi^{\circ}0$			2092 Nov 16 22:30	$0^{\circ}$ M	
	2090 May 15 02:51	$0$ $\circ$ $\odot$			2092 Dec 10 23:06	0°⊀	
	2090 Jun 09 22:20	$0^{\circ}\Omega$			2093 Jan 03 20:53	ರ°0	
	2090 Jul 07 02:10	0° <b>m</b>		desc. node	2093 Jan 08 06:20	5° <b>る</b> 31'04	
desc. node	2090 Jul 24 11:11	17° <b>m</b> 43'20		morning set	2093 Jan 21 18:45	22° <b>る</b> 29'43	
evening max el	2090 Jul 26 20:49	20°Mp02'11	45°38'35		2093 Jan 27 18:10	0° <b>≈</b>	
	2090 Aug 06 19:19	0∘ <b>⊽</b>			2093 Feb 20 16:21	0° <b>∀</b>	
greatest brilliancy	2090 Sep 04 12:22	18° <b>≏</b> 19'32	-4.8m				
retrograde	2090 Sep 13 15:54	19° <b>ჲ</b> 50'49		superior conj	2093 Mar 04 00:38	14° <b>∺</b> 11'37	-1°26'05
evening set	2090 Oct 01 05:20	14° <b>≏</b> 06'58		minimum elong	2093 Mar 03 23:27		1°26'05
inferior conj	2090 Oct 04 17:23	11° <b>≏</b> 59'42	-8°04'40	max. Earth dist.	2093 Mar 07 21:56	19° <b>)</b> 03'01	1.71848 AU
minimum elong	2090 Oct 05 01:02	11° <b>≏</b> 47'55	8°03'45		2093 Mar 16 16:40	$0$ ° $\Upsilon$	
min. Earth dist.	2090 Oct 05 15:31	11° <b>≏</b> 25'37	0.27832 AU		2093 Apr 09 20:21	$9^{\circ}$ 8	
morning rise	2090 Oct 08 20:22	9° <b>ჲ</b> 29'36		evening rise	2093 Apr 12 16:10	3° <b>8</b> 29'43	
direct	2090 Oct 25 19:51	3° <b>ჲ</b> 57'49		asc. node	2093 May 01 09:55	26° <b>8</b> 36'04	
greatest brilliancy	2090 Nov 06 00:40	6° <b>£</b> 17′20	-4.9m		2093 May 04 04:19	$\Pi$ °0	
asc. node	2090 Nov 14 14:36	10° <b>≏</b> 42'04			2093 May 28 17:05	0°€	
	2090 Dec 08 06:22	0°M₊			2093 Jun 22 11:25	$0$ $^{\circ}\Omega$	
morning max el	2090 Dec 15 11:04	7° <b>M</b> 07'58	46°52'37		2093 Jul 17 13:17	0° <b>m</b> )	
	2091 Jan 05 16:44	0° <b>∡</b>			2093 Aug 12 02:56	0∘ <b>ত</b>	
	2091 Jan 31 15:19	5°0		desc. node	2093 Aug 20 23:06	10° <b>⊆</b> 10'30	
	2091 Feb 25 17:23	0° <b>≈</b>			2093 Sep 07 13:13	0° <b>™</b>	
desc. node	2091 Mar 06 04:09	10°≈12'41			2093 Oct 05 20:38	0° <b>∡</b> 7	
	2091 Mar 22 11:12	0° <b>)</b> €		evening max el	2093 Oct 07 23:00	2° <b>₹</b> 04'32	46°44'02
	2091 Apr 16 01:46	$^{\circ \gamma}$		4 41 200	2093 Nov 12 00:04	0°る	4.0
	2091 May 10 15:20	0°B 8°0		greatest brilliancy	2093 Nov 17 08:55	2°る18'18 4°る05'38	-4.9m
	2091 Jun 04 04:26	17° <b>П</b> 43'27		retrograde	2093 Nov 27 02:29	4°005'38 0° <b>る</b> 02'58	
morning set asc. node	2091 Jun 18 16:00 2091 Jun 27 07:29	17°Щ43°27 28°Щ19'07		evening set	2093 Dec 11 08:42 2093 Dec 11 10:57	0° <b>0</b> 0238	
asc. node	2091 Jun 28 16:24	28 <b>п</b> 1907		asc. node	2093 Dec 11 10.37 2093 Dec 12 02:24	30 KX. 29° ₹739'09	
max. Earth dist.	2091 Jul 28 16:57	29° <b>©</b> 31'08	1.73420 AU	inferior conj	2093 Dec 12 02:24 2093 Dec 17 14:50	26° <b>₹</b> 24'48	1°25'57
max. Latur dist.	2091 Jul 23 02:19	0°Ω	1.75420 AO	minimum elong	2093 Dec 17 11:34 2093 Dec 17 11:34	26° × 24 46	1°24'53
	2071 Jul 23 02.17	0 00		min. Earth dist.	2093 Dec 17 11:34 2093 Dec 17 10:44		0.26432 AU
superior conj	2091 Jul 25 02:58	2° <b>Ω</b> 29'46	0°59'43	morning rise	2093 Dec 27 10:11 2093 Dec 23 14:26	22° <b>₹</b> 55'40	0.20132710
minimum elong	2091 Jul 24 18:11	2° <b>Ω</b> 02'44		direct	2094 Jan 06 23:58	18° <b>√</b> 47'14	
8	2091 Aug 16 09:54	0° m)		greatest brilliancy	2094 Jan 16 23:31	20° <b>х</b> 41′25	-4.9m
evening rise	2091 Aug 30 01:58	16° Mp 54'23		8	2094 Feb 02 05:16	0°る	
Č	2091 Sep 09 15:50	0∘ <u>v</u>		morning max el	2094 Feb 26 09:22	21° <b>る</b> 34'29	46°47'17
	2091 Oct 03 21:18	$0^{\circ}$ M		•	2094 Mar 06 14:35	0° <b>≈</b>	
desc. node	2091 Oct 16 20:59	16°M04'20		desc. node	2094 Apr 02 16:01	29° <b>≈</b> 40'55	
	2091 Oct 28 03:21	0°⊀			2094 Apr 02 22:45	0° <b>)</b> €	
	2091 Nov 21 10:52	ರ°ರ			2094 Apr 28 22:15	$0$ ° $\Upsilon$	
	2091 Dec 15 21:50	0° <b>≈</b>			2094 May 24 08:01	0°8	
	2092 Jan 09 17:21	0° <b>∀</b>			2094 Jun 18 10:21	$\Pi$ $^{\circ}0$	
	2092 Feb 04 09:13	$0^{\circ}$ Y			2094 Jul 13 06:49	$0$ $\circ$ $\odot$	
asc. node	2092 Feb 07 00:09	2° <b>Y</b> 58'16		asc. node	2094 Jul 24 19:21	14° <b>5</b> 00'42	
	2092 Mar 03 04:40	$9^{\circ}$ 8			2094 Aug 06 21:16	$0 {\circ} \Omega$	
evening max el	2092 Mar 03 13:37	0° <b>8</b> 22'25	46°26'19	morning set	2094 Aug 25 12:36	22° <b>Ω</b> 56′08	
	2092 Apr 11 05:25	$\Pi$ °0			2094 Aug 31 05:46	0° <b>m</b>	
greatest brilliancy	2092 Apr 11 17:05	0° <b>Ⅱ</b> 11'18	-4.8m		2094 Sep 24 09:26	0∘ <b>ত</b>	
retrograde	2092 Apr 22 11:12	2° <b>Ⅱ</b> 20'04		max. Earth dist.	2094 Sep 28 07:39	4° <b>£</b> 53'34	1.72162 AU
	2092 May 03 05:51	30°₹ <b>8</b>			••••		1015:
evening set	2092 May 08 04:16	27° <b>8</b> 31'53	202411	superior conj	2094 Oct 01 10:52	8° <b>£</b> 48'06	1°19'27
inferior conj	2092 May 13 20:19	24° <b>8</b> 05'04	3°24'41	minimum elong	2094 Oct 01 17:25	9° <b>亞</b> 08'30	1°19'20
minimum elong	2092 May 14 03:17		3°22'46		2094 Oct 18 10:06	0°M	
min. Earth dist.	2092 May 13 21:04	24° <b>8</b> 03'52	0.28695 AU	evening rise	2094 Nov 09 09:20	27°M29'19	
morning rise					2094 Nov 11 09:28	0° <b>∡</b> ¹	
J	2092 May 20 02:31	20° <b>8</b> 18'24		4 1			
desc. node	2092 May 28 13:28	16° <b>8</b> 44'56		desc. node	2094 Nov 13 08:50	2° <b>₹</b> 28'16	
direct	2092 May 28 13:28 2092 Jun 04 05:41	16° <b>8</b> 44'56 15° <b>8</b> 51'45	4.7m	desc. node	2094 Nov 13 08:50 2094 Dec 05 08:34	2°⊀28'16 0°ಕ	
	2092 May 28 13:28	16° <b>8</b> 44'56	-4.7m	desc. node	2094 Nov 13 08:50	2° <b>₹</b> 28'16	

	2095 Feb 15 19:17	0°Υ			2097 Aug 21 02:58	0°N	
asc. node	2095 Mar 06 12:08	22° <b>Υ</b> 38'44			2097 Sep 14 18:54	0° <b>m</b>	
asc. node	2095 Mar 12 15:53	0° <b>8</b>			2097 Oct 09 01:30	0∘ <del>⊽</del>	
	2095 Apr 07 10:16	0°II			2097 Nov 02 02:05	o° <b>m</b> .	
	2095 May 05 01:04	0°9		morning set	2097 Nov 04 04:12	2°M237'03	
evening max el	2095 May 14 09:10	9° <b>©</b> 18'36	45°29'59	morning sec	2097 Nov 25 23:33	0° <b>∡</b> 7	
evening man er	2095 Jun 07 23:27	0°Ω	2, 0,	desc. node	2097 Dec 10 20:38	18° <b>х</b> 43′00	
greatest brilliancy	2095 Jun 21 04:23	7° <b>Ω</b> 04'13	-4.7m	dese. node	20,7 200 10 20.50	10 75 00	
desc. node	2095 Jun 26 01:23	8° <b>Ω</b> 30'32		superior conj	2097 Dec 14 09:54	23° <b>∡</b> 11'15	-0°08'31
retrograde	2095 Jul 02 00:53	9° <b>Ω</b> 10'19		minimum elong	2097 Dec 14 07:39	23° <b>х</b> 04'08	
evening set	2095 Jul 17 20:26	4° <b>Ω</b> 23'18		behind sun begin	2097 Dec 13 08:51	21° <b>х</b> 52'25	
inferior conj	2095 Jul 23 12:03	0° <b>£</b> 58′30	-5°52'28	behind sun end	2097 Dec 15 06:27	24° <b>҂</b> 15'53	
minimum elong	2095 Jul 23 02:13	1° <b>Ω</b> 13'51	5°50'21	max. Earth dist.	2097 Dec 14 03:16	22° <b>₹</b> 50'21	1.71094 AU
min. Earth dist.	2095 Jul 23 10:18	1° <b>Ω</b> 01'14	0.29002 AU		2097 Dec 19 19:51	0°ठ	
	2095 Jul 25 01:35	30° <b>₹</b> 5			2098 Jan 12 16:16	0° <b>≈</b>	
morning rise	2095 Jul 28 07:59	28° <b>©</b> 01'51		evening rise	2098 Jan 24 20:33	15° <b>≈</b> 17'39	
direct	2095 Aug 14 04:19	22°5541'16			2098 Feb 05 14:04	0° <b>)</b> €	
greatest brilliancy	2095 Aug 24 15:58	24°5540'43	-4.7m		2098 Mar 01 15:06	$0$ ° $\mathbf{\Upsilon}$	
	2095 Sep 04 06:40	$0^{\circ}\Omega$			2098 Mar 25 21:44	$_{0\circ}$ 8	
morning max el	2095 Oct 02 14:42	23° <b>Ω</b> 32'41	46°10'35	asc. node	2098 Apr 03 00:04	9° <b>8</b> 55'12	
	2095 Oct 09 01:03	0° <b>m</b>			2098 Apr 19 12:40	$\Pi$ $^{\circ}$ 0	
asc. node	2095 Oct 17 04:53	8° Mp 33'25			2098 May 14 15:25	$0$ $\circ$ $\odot$	
	2095 Nov 05 11:41	0∘ <b>⊽</b>			2098 Jun 09 12:26	$0^{\circ}\Omega$	
	2095 Nov 30 23:10	0°M			2098 Jul 06 19:45	O° Mp	
	2095 Dec 25 14:38	0° <b>∡</b> ″		desc. node	2098 Jul 23 13:22	16° <b>M</b> 54'35	
	2096 Jan 18 21:23	0°ප		evening max el	2098 Jul 24 10:03	17° <b>m</b> 44'08	45°37'10
desc. node	2096 Feb 05 18:21	22° <b>る</b> 12'12			2098 Aug 07 01:47	0∘ <b>ত</b>	
	2096 Feb 12 00:50	0° <b>≈</b>		greatest brilliancy	2098 Sep 02 01:19	16° <b>≏</b> 01'40	-4.8m
	2096 Mar 07 03:43	0° <b>)</b> €		retrograde	2098 Sep 11 05:35	17° <b>≏</b> 33'49	
	2096 Mar 31 07:37	$0^{\circ}\Upsilon$		evening set	2098 Sep 28 21:39	11° <b>≏</b> 45'48	
morning set	2096 Apr 07 03:50	8° <b>Y</b> 28'37		inferior conj	2098 Oct 02 07:40	9° <b>≙</b> 41'40	-8°12'21
	2096 Apr 24 13:30	$9^{\circ}$ 8		minimum elong	2098 Oct 02 14:42	9° <b>≙</b> 30'51	
				min. Earth dist.	2098 Oct 03 05:36	9° <b>£</b> 07'56	0.27901 AU
superior conj	2096 May 15 01:42	25° <b>8</b> 17'19		morning rise	2098 Oct 06 07:24	7° <b>≏</b> 16'26	
minimum elong	2096 May 15 08:15	25° <b>8</b> 37'30		direct	2098 Oct 23 10:25	1° <b>≏</b> 38'32	
max. Earth dist.	2096 May 16 22:45		1.73299 AU	greatest brilliancy	2098 Nov 03 16:11	3° <b>£</b> 58'51	-4.9m
	2096 May 18 21:32	$\Pi^{\circ}0$		asc. node	2098 Nov 13 16:33	9° <b>≏</b> 17'58	
asc. node	2096 May 28 21:42	12° <b>Ⅱ</b> 18'45			2098 Dec 08 07:11	0°M₊	
	2096 Jun 12 07:12	$0$ $\circ$ $\odot$		morning max el	2098 Dec 13 01:33	4°M45'58	46°51'43
evening rise	2096 Jun 20 21:51	10°534'18			2099 Jan 05 09:40	0° <b>∡</b>	
	2096 Jul 06 17:58	$0$ $^{\circ}$ $\Omega$			2099 Jan 31 05:36	0°₹	
	2096 Jul 31 06:00	0° mp			2099 Feb 25 06:22	0° <b>≈</b>	
	2096 Aug 24 20:23	0∘ <b>⊽</b>		desc. node	2099 Mar 05 06:12	9° <b>≈</b> 40'34	
desc. node	2096 Sep 17 11:07	28° <b>£</b> 36'35			2099 Mar 21 23:21	0° <b>)</b> €	
	2096 Sep 18 14:46	0°M			2099 Apr 15 13:22	0° <b>Υ</b>	
	2096 Oct 13 15:17	0° <b>∡</b>			2099 May 10 02:31	0° <b>B</b>	
	2096 Nov 08 02:20	ිර ව			2099 Jun 03 15:18	0°II	
	2096 Dec 04 13:11	0°≈	47017147	morning set	2099 Jun 16 09:53	15° <b>II</b> 38'10	
evening max el	2096 Dec 19 16:08	16° <b>≈</b> 03'01 0° <b>)</b> €	47°17'47	asc. node	2099 Jun 26 09:35 2099 Jun 28 03:07	27° <b>Ⅱ</b> 52'39 0° <b>©</b>	
aga mada	2097 Jan 03 04:03	0° <b>π</b> 4° <b>)</b> (40'16		may Earth dist	2099 Jul 28 03:07 2099 Jul 20 14:43		1 72446 AII
asc. node	2097 Jan 08 14:23 2097 Jan 29 05:31	17° <b>)</b> 42'16	-4.9m	max. Earth dist.	2099 Jul 20 14:43	21-9631-32	1.73446 AU
greatest brilliancy	2097 Feb 08 14:20	17 <b>X</b> 42 16 19° <b>X</b> 44'56	-4.9111	superior conj	2099 Jul 22 21:24	0° <b>Ω</b> 25'50	0057127
retrograde evening set	2097 Feb 26 10:11	13° <b>)</b> (34'14		minimum elong	2099 Jul 22 21:24 2099 Jul 22 12:38	29° <b>9</b> 58'52	
inferior conj	2097 Feb 20 10.11 2097 Mar 01 11:33	13 <b>X</b> 34 14	8°49'25	minimum ciong	2099 Jul 22 12:38 2099 Jul 22 13:00	29 <b>3</b> 38 32	0 37 08
minimum elong	2097 Mar 01 11:33 2097 Mar 01 09:51	11° <b>X</b> 3939	8°49'23		2099 Aug 15 20:39	0° <b>m</b> )	
min. Earth dist.	2097 Feb 28 19:00	12° <b>H</b> 05'58	0.27612 AU	evening rise	2099 Aug 27 19:40	14° Mp 47'18	
morning rise	2097 Feb 28 19:00 2097 Mar 04 09:45	9° <b>H</b> 51'08	J.27012 AU	0 1 011111 <u>G</u> 1150	2099 Sep 09 02:43	0° <b>ي</b>	
direct	2097 Mar 04 09:43 2097 Mar 22 05:56	3° <b>\</b> 46'29			2099 Oct 03 08:25	0° <b>M</b>	
greatest brilliancy	2097 Mar 31 06:17	5° <b>H</b> 17'48	-4.8m	desc. node	2099 Oct 03 08:23 2099 Oct 15 22:59	15°M235'33	
desc. node	2097 Mai 31 00:17 2097 Apr 30 03:43	24° <b>H</b> 58'40	1.0111	desc. Hode	2099 Oct 13 22:39 2099 Oct 27 14:48	13 <b>116</b> 33 33	
acse. Houe	2097 May 05 16:16	24 χ3640 0° <b>Υ</b>			2099 Nov 20 22:47	0° <b>ਠ</b>	
morning max el	2097 May 03 10:10 2097 May 10 12:58	4° <b>Υ</b> 37'35	46°03'48		2099 Nov 20 22:47 2099 Dec 15 10:25	0°≈	
morning max or	2097 Jun 04 03:17	0° <b>と</b>	.0 05 10		2100 Jan 09 07:00	0° <b>∺</b>	
	2097 Jul 04 03:17 2097 Jul 01 01:42	0°II			2100 Jan 09 07:00 2100 Feb 04 01:02	0° <b>Υ</b>	
	2097 Jul 26 22:30	0. 0		asc. node	2100 Feb 06 02:14	2° <b>Υ</b> 18'45	
asc. node	2097 Aug 21 07:17	0° <b>Ω</b> 13'00		evening max el	2100 Mar 02 04:38	28° <b>Υ</b> 05'52	46°28'48
		. 55.5 00		-0			

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2100 Mar 04 02:36