conjunction minimum elong behind sun begin behind sun end	13602 Jan 29 05:06 13602 Jan 29 05:03 13602 Jan 28 09:24 13602 Jan 30 00:41	19°≈36'37 19°≈36'32 19°≈04'12 20°≈08'51		asc. node	13606 Nov 15 19:31 13606 Nov 16 17:14 13606 Dec 26 19:16 13607 Feb 08 03:05	0° <b>쇼</b> 0° <b>쇼</b> 39'55 0° <b>ጤ</b> 0° <b>ጾ</b>	
bening sun eng	13602 Feb 14 01:59	0° <b>∺</b>			13607 Apr 07 18:04	0° <b>ਠ</b>	
max. Earth dist.	13602 Feb 16 04:33		2.63089 AU	retrograde	13607 Apr 30 23:23	3° <b>ප්</b> 41'05	
morning rise	13602 Mar 16 19:09 13602 Apr 01 22:06	19° <b>)</b> 46′22 0° <b>°</b>		min. Earth dist.	13607 May 23 12:18 13607 May 29 01:03	30°₹ <b>҂</b> 28° <b>҂</b> 12'03	0.46912 AU
	13602 Apr 01 22:00 13602 May 20 00:44	0°8		greatest brilliancy	13607 Jun 05 01:53	25° <b>x</b> 12 03	-2.3m
	13602 Jul 08 13:11	0°Щ		opposition	13607 Jun 06 10:36	25° <b>∡</b> 13'44	4°49'26
	13602 Aug 29 21:55	0ංම		direct	13607 Jul 09 16:30	18° <b>∡</b> ¹22'02	
	13602 Nov 02 20:13	0°N			13607 Aug 26 20:57	0°る	
retrograde	13602 Dec 07 05:04	6°Ω16'00	2905142	desc. node	13607 Sep 20 08:05	11°る09'17 0°≈	
opposition	13603 Jan 09 02:44 13603 Jan 09 00:58	29° <b>©</b> 58'34 30° <b>R©</b>	-2-05 43		13607 Oct 26 01:42 13607 Dec 17 05:32	0° <b>∺</b>	
greatest brilliancy	13603 Jan 09 21:46	29°543'01	-2.5m		13608 Feb 04 22:53	0°Υ	
min. Earth dist.	13603 Jan 17 16:27	27°511'41	0.44321 AU		13608 Mar 23 20:59	0°8	
asc. node	13603 Feb 11 12:10	22° <b>©</b> 21'54		evening set	13608 Apr 01 06:19	5° <b>8</b> 22'29	
direct	13603 Feb 13 20:35	22°519'32		max. Earth dist.	13608 Apr 24 12:26	20° <b>8</b> 29'14	2.61408 AU
	13603 Mar 20 13:13	0° <b>Ω</b>			13608 May 08 21:30	$\Pi$ $^{\circ}0$	
	13603 May 12 21:52 13603 Jun 24 13:25	0° <b>ⴀ</b> 0°ആ		conjunction	13608 May 16 11:37	5° <b>Ⅱ</b> 04'27	-1°07'50
	13603 Aug 04 13:09	o <u>−</u> o∘m		minimum elong	13608 May 16 12:20	5° <b>Ⅱ</b> 05'40	
	13603 Sep 15 01:41	0° <b>∡</b> ¹			13608 Jun 21 22:04	0ంత	
	13603 Oct 28 00:22	5°0		morning rise	13608 Jul 03 07:19	7° <b>9</b> 59'15	
	13603 Dec 11 15:26	0° <b>≈</b>			13608 Aug 03 00:03	$0^{\circ}\Omega$	
desc. node	13603 Dec 15 19:27	2°≈44'52			13608 Sep 12 09:57	0° m)	
evening set	13604 Jan 21 07:15 13604 Jan 26 17:32	26° <b>≈</b> 30'19 0° <b>¥</b>		asc. node	13608 Oct 03 07:07 13608 Oct 21 15:14	15° <b>™</b> 53'30 0° <b>Ω</b>	
	13004 Jan 20 17.32	0 X			13608 Nov 29 09:49	o° <b>m</b>	
conjunction	13604 Mar 06 22:20	25° <b>)</b> 39′53	-0°42'32		13609 Jan 07 19:42	0° <b>∡</b> ¹	
minimum elong	13604 Mar 06 21:12	25° <b>¥</b> 38′06	0°42'20		13609 Feb 18 13:00	ರ°0	
max. Earth dist.	13604 Mar 10 14:25	27° <b>¥</b> 59'41	2.68034 AU		13609 Apr 07 13:57	0° <b>≈</b>	
	13604 Mar 13 18:15	0°Υ		retrograde	13609 Jun 12 09:59	21°≈39'31	0.50544.433
morning rise	13604 Apr 19 08:06 13604 Apr 30 02:46	23° <b>Y</b> 10′24 0° <b>႘</b>		min. Earth dist.	13609 Jul 16 12:00 13609 Jul 22 05:49	14°≈01'27 11°≈46'12	0.59744 AU 0°41'35
	13604 Jun 16 07:59	0°II		greatest brilliancy	13609 Jul 22 02:23	11°≈49'34	-1.7m
	13604 Aug 02 05:30	0°©		desc. node	13609 Aug 07 18:18	6°≈03'52	
	13604 Sep 17 22:11	$0^{\circ}\Omega$		direct	13609 Aug 28 20:46	3°≈10′02	
	13604 Nov 04 03:22	0° <b>m</b>			13609 Nov 20 07:42	0° <b>∺</b>	
	13604 Dec 25 05:41	0∘ <b>⊽</b>			13610 Jan 14 09:21	0° <b>Υ</b>	
asc. node retrograde	13604 Dec 29 18:21 13605 Feb 24 19:38	2° <b>Ω</b> 20'55 19° <b>Ω</b> 42'57			13610 Mar 05 01:29 13610 Apr 20 10:48	0° <b>Ⅱ</b>	
min. Earth dist.	13605 Mar 24 17:17	19 <b>=</b> 42 37 15° <b>£</b> 10'28	0.36495 AU	evening set	13610 Apr 20 10.48 13610 May 10 07:58	13° <b>Ⅱ</b> 26'33	
opposition	13605 Mar 26 15:41	14° <b>£</b> 39'38	5°54'28	max. Earth dist.	13610 May 24 20:44	23° <b>Ⅱ</b> 29'46	2.50348 AU
greatest brilliancy	13605 Mar 26 03:54	14° <b>≏</b> 47'28	-3.0m		13610 Jun 03 02:55	0°®	
direct	13605 Apr 24 17:44	9° <b>ჲ</b> 50'04					
	13605 Jun 26 10:25	0°M		conjunction	13610 Jun 30 16:07	19°548'59	
	13605 Aug 16 18:35 13605 Oct 03 12:33	0° <b>ズ</b> 0°る		minimum elong	13610 Jun 30 17:56 13610 Jul 14 11:31	19° <b>©</b> 52'18 0° <b>Ω</b>	0°34′35
desc. node	13605 Nov 01 22:40	18° <b>る</b> 35'58		asc. node	13610 Aug 20 18:31	28° <b>Ω</b> 14'38	
	13605 Nov 20 00:44	0° <b>≈</b>			13610 Aug 23 01:12	0° <b>m</b> )	
	13606 Jan 06 20:02	0° <b>∀</b>		morning rise	13610 Aug 29 15:50	5° <b>m</b> 06'41	
	13606 Feb 23 16:02	0° <b>Υ</b>			13610 Sep 30 11:46	0∘ <b>⊽</b>	
evening set	13606 Feb 25 21:15	1°Υ23'45	2 (7440 411		13610 Nov 07 14:20	0°M 0°. <b>₹</b>	
max. Earth dist.	13606 Apr 01 12:17	25-1-18/54	2.67449 AU		13610 Dec 16 06:54 13611 Jan 25 14:13	0° <b>ズ</b> 0°る	
conjunction	13606 Apr 10 17:15	29° <b>Ƴ</b> 11'28	-1°07'12		13611 Mar 09 20:32	0° <b>≈</b>	
minimum elong	13606 Apr 10 16:30	29° <b>Υ</b> 10'17			13611 Apr 27 22:24	0° <b>₩</b>	
J	13606 Apr 11 23:36	$0^{\circ}$ 8		desc. node	13611 Jun 26 00:09	25° <b>)</b> €03'54	
morning rise	13606 May 24 07:30	27° <b>8</b> 24'11		retrograde	13611 Jul 17 23:08	27° <b>¥</b> 50′50	
	13606 May 28 06:27	0°II		min. Earth dist.	13611 Aug 25 15:48		0.67213 AU
	13606 Jul 12 05:03 13606 Aug 24 16:21	$0$ ಂ $\Omega$		opposition greatest brilliancy	13611 Aug 27 16:52 13611 Aug 27 11:45	17° <b>)</b> 54'50 17° <b>)</b> 59'55	
	13606 Aug 24 16:21 13606 Oct 05 18:18	0° <b>m</b> )		direct	13611 Aug 27 11:45 13611 Oct 07 00:59	8° <b>∺</b> 22'54	-11.5.11
	15000 500 05 10.10	עייי		311001	15011 500 07 00.59	0 /(22 34	

	13611 Dec 18 23:31 13612 Feb 12 06:11 13612 Mar 31 03:37 13612 May 14 01:13 13612 Jun 24 03:04 13612 Jun 29 01:24	0°Y 0°8 0°Ⅲ 0°© 0°Ω 3°Ω42'42		conjunction minimum elong max. Earth dist. desc. node	13617 Jan 12 09:15 13617 Jan 12 10:09 13617 Feb 06 05:05 13617 Feb 13 19:58 13617 Feb 20 22:41 13617 Mar 02 09:43	3°≈43'54 3°≈45'25 20°≈19'57 25°≈20'52 0°¥ 6°¥08'33	0°18'33 0°19'28 2.59659 AU
evening set asc. node max. Earth dist.	13612 Jul 07 10:45 13612 Aug 01 07:14 13612 Aug 02 06:23	10° <b>Ω</b> 04'31	2.37040 AU	morning rise	13617 Mar 02 09:43 13617 Apr 08 20:34 13617 May 27 13:35 13617 Jul 17 20:33 13617 Sep 14 08:11	0°© 0°T 0°Y 0°Y	
conjunction minimum elong	13612 Sep 03 02:07 13612 Sep 02 22:28 13612 Sep 09 07:47 13612 Oct 17 04:41	25° M 03'19 24° M 56'04 0° L 0° M		retrograde opposition greatest brilliancy min. Earth dist.	13617 Nov 12 18:56 13617 Dec 17 16:06 13617 Dec 18 23:17 13617 Dec 26 07:22	15°948'10 8°939'07 8°911'30 5°936'50	
morning rise	13612 Nov 16 15:20 13612 Nov 24 18:31 13613 Jan 03 21:21 13613 Feb 15 07:56	23°M45'15 0°ズ 0°ጜ 0°≈		direct asc. node	13618 Jan 20 22:38 13618 Jan 24 18:40 13618 Jan 28 15:38 13618 Feb 28 01:44	30°R∏ 29°∏53'44 0°© 7°©09'25	
desc. node	13613 Apr 02 00:24 13613 May 12 20:06 13613 May 23 03:30 13613 Aug 11 03:20	0°¥ 24°¥20'27 0°Υ 0°8			13618 Apr 12 14:07 13618 May 26 08:36 13618 Jul 05 13:23 13618 Aug 14 05:10	0° N 0° M 0° A 0° M	
opposition greatest brilliancy	13613 Aug 20 02:42 13613 Aug 28 18:36 13613 Sep 29 09:02 13613 Sep 29 13:55	0° <b>8</b> 28'13 30° <b>R</b> Υ 20° <b>Υ</b> 59'44 20° <b>Υ</b> 54'55	-1.3m	desc. node	13618 Sep 23 18:00 13618 Nov 04 21:38 13618 Dec 18 21:46 13619 Jan 01 10:22	0°メ 0°る 0°≈ 8°≈59'09	
min. Earth dist. direct	13613 Oct 01 04:16 13613 Nov 09 21:35 13614 Jan 14 17:53 13614 Mar 09 10:21	20°Y17'10 11°Y00'28 0°B 0°I 0°S	0.68075 AU	conjunction	13619 Jan 05 15:36 13619 Feb 02 14:05 13619 Feb 21 22:07	11°≈46'09 0°¥ 12°¥26'41 12°¥25'16	
asc. node	13614 Apr 23 18:17 13614 May 25 09:35 13614 Jun 04 03:06 13614 Jul 13 05:13 13614 Aug 20 05:00	22°\$45'16 0°Ω 0°™ 0°™		minimum elong max. Earth dist. morning rise	13619 Feb 21 21:14 13619 Mar 02 19:31 13619 Mar 21 11:12 13619 Apr 07 03:01 13619 May 08 00:09		2.66766 AU
evening set	13614 Sep 10 05:58 13614 Sep 27 03:12 13614 Nov 04 21:52	0 <u>=</u> 16° <u>₽</u> 41'07 0° <b>™</b> 0° <b>४</b>			13619 Jun 24 21:14 13619 Aug 12 04:21 13619 Sep 30 17:33 13619 Nov 24 10:29	0°N 0°S 0°T	
conjunction minimum elong max. Earth dist.	13614 Nov 19 09:32 13614 Nov 19 11:25 13614 Dec 15 06:50 13615 Jan 04 21:24	10°ゑ59'07 0°♂	1°02'22 1°03'18 2.47436 AU	asc. node retrograde opposition greatest brilliancy	13620 Jan 16 09:31 13620 Jan 23 09:55 13620 Feb 22 07:16 13620 Feb 22 15:05	17° m 15'22 17° m 34'22 12° m 34'54 12° m 29'31	2°45'14 -3.0m
morning rise	13615 Jan 18 22:44 13615 Jan 26 18:46 13615 Mar 12 17:43	24°る35'30 0°≈ 0°升	2.4/430 AU	min. Earth dist. direct	13620 Feb 26 04:59 13620 Mar 24 03:54 13620 May 28 11:09	11° Mp 30'32 7° Mp 07'47 0° Ω	0.37402 AU
desc. node	13615 Mar 30 08:44 13615 Apr 29 13:21 13615 Jun 20 18:45 13615 Aug 28 13:07	11°¥17'33 0°°Y 0°8 0°I		desc. node	13620 Jul 15 04:51 13620 Aug 28 23:30 13620 Oct 13 00:04 13620 Nov 18 09:25	0°肌 0°ダ 0°る 23°る46'44	
opposition greatest brilliancy	13615 Sep 26 17:21 13615 Oct 23 09:39 13615 Nov 04 03:45 13615 Nov 05 03:10	4°II25'24 30°R8 25°847'26 25°824'57		evening set	13620 Nov 28 00:34 13621 Jan 13 23:46 13621 Feb 12 01:53 13621 Mar 02 10:07	0° <b>∺</b> 0° <b>∺</b> 18° <b>∺</b> 24'29 0° <b>Υ</b>	
min. Earth dist. direct	13615 Nov 09 19:22 13615 Dec 15 06:01 13616 Feb 06 03:27 13616 Mar 29 22:07	23° <b>8</b> 37'18 15° <b>8</b> 51'00 0° <b>I</b> I 0° <b>9</b> 5	0.62138 AU	max. Earth dist.  conjunction minimum elong	13621 Mar 23 23:49 13621 Mar 28 05:48 13621 Mar 28 04:45	13°Υ39'23 16°Υ21'05 16°Υ19'25	
asc. node	13616 Apr 11 15:18 13616 May 12 03:18 13616 Jun 20 21:01 13616 Jul 29 05:48	8°\$27'00 0° <b>\</b> 0° <b>\</b> 0° <b>\</b> 0° <b>\</b>		morning rise	13621 Apr 18 16:25 13621 May 10 08:47 13621 Jun 04 05:55 13621 Jul 19 18:44	0°8 13°853'51 0°Ⅲ 0°9	
evening set	13616 Sep 05 13:53 13616 Oct 14 21:25 13616 Nov 18 02:32 13616 Nov 24 21:03	0°肌 0°♂ 25°♂08'25 0°云		asc. node	13621 Sep 02 03:57 13621 Oct 15 11:30 13621 Nov 27 04:58 13621 Dec 03 10:06	0° <i>N</i> 0° <b>സ</b> 0° <b>⊆</b> 4° <b>⊆</b> 20'52	
	13617 Jan 06 21:19	0° <b>≈</b>		<del></del>	13622 Jan 10 00:31	0°M	

page 3

minimum elong	13631 Dec 25 12:39	15° <b>る</b> 52'43	0°38'54	retrograde	13637 Mar 13 18:37	8°M28'39	
minimum clong	13632 Jan 14 21:57	0°≈	0 3034	min. Earth dist.	13637 Apr 09 02:08	4°M12'19	0.37537 AU
max. Earth dist.	13632 Jan 27 03:47	8° <b>≈</b> 19'14	2.55422 AU	opposition	13637 Apr 13 21:53	2°M50'54	6°43'18
morning rise	13632 Feb 15 22:14	21° <b>≈</b> 31'24		greatest brilliancy	13637 Apr 12 18:29	3°M10'15	-2.9m
	13632 Feb 28 20:14	0° <b>)</b> €			13637 Apr 24 21:42	30° <b>₽</b> Ω	
desc. node	13632 Mar 02 13:48	1° <b>)</b> 46′45		direct	13637 May 13 06:16	27° <b>≙</b> 50'03	
	13632 Apr 15 22:40	$0^{\circ}$ Y			13637 May 31 16:09	$0^{\circ}$ M	
	13632 Jun 04 13:05	0°8			13637 Aug 07 06:54	0° <b>∡</b>	
	13632 Jul 28 18:02	0°II			13637 Sep 26 18:34	0°ප	
retrograde	13632 Oct 23 04:23	28° <b>Ⅱ</b> 27'09	400 511 0	desc. node	13637 Oct 23 03:55	16° <b>ප</b> 13'20	
opposition	13632 Nov 28 16:25	20° <b>∏</b> 36'49			13637 Nov 14 10:48	0° <b>≈</b>	
greatest brilliancy	13632 Nov 30 00:23	20° <b>Ⅲ</b> 07'12 17° <b>Ⅲ</b> 45'53			13638 Jan 01 20:29	0° <b>ℋ</b> 0° <b>Ƴ</b>	
min. Earth dist. direct	13632 Dec 06 09:39 13633 Jan 07 09:15	1/°Щ45′33 11°Щ10′36	0.55366 AU	evening set	13638 Feb 18 23:29 13638 Mar 05 16:20	0° γ 9° <b>Υ</b> 14'28	
direct	13633 Mar 08 13:16	0°95		max. Earth dist.	13638 Apr 06 13:59	29° <b>Υ</b> 29'28	2.66583 AU
asc. node	13633 Mar 16 13:10	4° <b>9</b> 524'14		max. Lartii dist.	13638 Apr 07 09:04	0°8	2.00363 AC
use. Houe	13633 Apr 25 18:03	0° <b>Ω</b>			13030 11p1 07 03.01	ů O	
	13633 Jun 06 00:07	0° mp		conjunction	13638 Apr 18 13:06	7° <b>8</b> 10'12	-1°09'47
	13633 Jul 15 03:28	0∘ <u>v</u>		minimum elong	13638 Apr 18 12:37	7° <b>8</b> 09'25	1°10'19
	13633 Aug 23 01:59	$0^{\circ}$ M		Č	13638 May 23 13:59	0°II	
	13633 Oct 01 23:34	0°⊀		morning rise	13638 Jun 01 15:40	6° <b>Ⅱ</b> 00′13	
	13633 Nov 12 13:13	ರ°0			13638 Jul 07 06:50	$0$ $\circ$ $\mathfrak{S}$	
evening set	13633 Dec 19 11:04	25° <b>る</b> 31'58			13638 Aug 19 09:30	$0$ $^{\circ}\Omega$	
	13633 Dec 26 01:31	0° <b>≈</b>			13638 Sep 30 00:13	0° <b>m</b>	
desc. node	13634 Jan 18 02:48	15° <b>≈</b> 23'18		asc. node	13638 Nov 06 22:03	28° <b>m</b> 04'17	
					13638 Nov 09 12:02	0∘ <b>ত</b>	
conjunction	13634 Feb 07 02:52	28°≈30'23			13638 Dec 19 16:33	0° <b>M</b> ₊	
minimum elong	13634 Feb 07 02:28	28°≈29'43	0°10'40		13639 Jan 30 07:38	0° <b>∡</b> ¹	
behind sun begin	13634 Feb 06 11:37	28°≈05'34			13639 Mar 19 12:40	0°궁 16°궁18'50	
behind sun end	13634 Feb 07 17:19 13634 Feb 09 09:58	28°≈53'53 0° <b>)</b> €		retrograde min. Earth dist.	13639 May 11 17:25 13639 Jun 10 04:51	10°る18'05	0.49968 AU
max. Earth dist.	13634 Feb	0 X 7° <b>¥</b> 57'41	2.64616 AU	greatest brilliancy	13639 Jun 17 04:29	7°る43'54	
morning rise	13634 Mar 24 16:34	27° <b>)</b> (45'58	2.04010710	opposition	13639 Jun 18 06:03	7° <b>る</b> 20'16	
morning 1150	13634 Mar 28 05:11	0°Υ		direct	13639 Jul 22 13:38	0° <b>る</b> 00'15	2 2029
	13634 May 15 01:32	0°8		desc. node	13639 Sep 10 14:56	12° <b>る</b> 11'01	
	13634 Jul 02 20:50	$\Pi^{\circ}0$			13639 Oct 18 07:29	0° <b>≈</b>	
	13634 Aug 22 07:49	$0$ $\circ$ $\odot$			13639 Dec 11 12:48	0° <b>)</b> €	
	13634 Oct 16 22:03	$0^{\circ}\Omega$			13640 Jan 30 23:43	$0^{\circ}$ Y	
retrograde	13634 Dec 23 00:32	20° <b>Ω</b> 02'05			13640 Mar 19 04:38	$9^{\circ}$ 8	
opposition	13635 Jan 23 14:55	14° <b>Ω</b> 16′06		evening set	13640 Apr 09 08:55	13° <b>8</b> 36'45	
greatest brilliancy	13635 Jan 23 20:45	14° <b>Ω</b> 11'38		max. Earth dist.	13640 Apr 30 09:49	27° <b>8</b> 25'31	2.59410 AU
min. Earth dist.	13635 Jan 31 07:56	11° <b>Ω</b> 54'16	0.41373 AU		13640 May 04 06:43	$\Pi$ $^{\circ}$ 0	
asc. node	13635 Feb 01 22:02	11° <b>Ω</b> 26'12			1261031 25 10 01	1 40 T 1 5100	1000110
direct	13635 Feb 26 17:54	7° <b>Ω</b> 23'48		conjunction	13640 May 25 10:04	14° <b>Ⅱ</b> 15'09	
	13635 May 01 15:05 13635 Jun 16 13:01	0ം <del>മ</del> 0ംമ്		minimum elong	13640 May 25 11:11	14° <b>Ⅱ</b> 17'05 0° <b>©</b>	1°04'41
	13635 Jul 16 13.01 13635 Jul 28 20:07	0°M		morning rise	13640 Jun 17 05:15 13640 Jul 14 00:12	0 9 19°901'01	
	13635 Sep 09 03:25	0° <b>⊼</b> ¹		morning risc	13640 Jul 29 03:15	0°Ω	
	13635 Oct 22 15:31	%ರ			13640 Sep 07 08:04	0° <b>m</b> )	
desc. node	13635 Dec 05 23:19	29° <b>ප</b> 32'42		asc. node	13640 Sep 23 12:01	12° m/20'51	
	13635 Dec 06 15:58	0°≈			13640 Oct 16 08:18	0° <b>⊽</b>	
	13636 Jan 22 00:11	0° <b>)</b> €			13640 Nov 23 21:48	0° <b>M</b> .	
evening set	13636 Jan 29 18:33	4° <b>)</b> €58'03			13641 Jan 02 00:51	0° <b>∡</b> ¹	
	13636 Mar 09 03:21	$0^{\circ}$ Y			13641 Feb 12 04:05	ರ°0	
					13641 Mar 30 02:20	0° <b>≈</b>	
conjunction	13636 Mar 14 17:53	3° <b>Y</b> 33'11	-0°49'52		13641 Jun 10 09:00	0° <b>∀</b>	
minimum elong	13636 Mar 14 16:44	3° <b>Y</b> 31′21	0°49'49	retrograde	13641 Jun 20 16:19	0° <b>)</b> 41′42	
max. Earth dist.	13636 Mar 15 14:03	4° <b>Y</b> ′05'09	2.68366 AU		13641 Jun 30 15:45	30°R <b>≈</b>	
	13636 Apr 25 10:24	0°8		min. Earth dist.	13641 Jul 25 21:27	22°≈41'37	0.61915 AU
morning rise	13636 Apr 26 22:05	0° <b>8</b> 56'45		desc. node	13641 Jul 29 00:26	21°≈27'39	0004122
	13636 Jun 11 09:14	0ಂ <b>ಲ</b> 0∘Ⅱ		opposition	13641 Jul 30 20:59 13641 Jul 30 20:44	20°≈43'36 20°≈43'51	
	13636 Jul 27 17:19 13636 Sep 11 10:09	0ა <b>V</b>		greatest brilliancy direct	13641 Jul 30 20:44 13641 Sep 07 05:59	20°≈43°51 11°≈52'19	-1.UIII
	13636 Oct 26 18:44	0°mp		uncci	13641 Nov 11 15:58	0° <b>∺</b>	
	13636 Dec 12 02:01	0∘ <b>ت</b> الأر			13642 Jan 08 15:02	0°Υ	
asc. node	13636 Dec 20 03:11	∘ <b>–</b> 4° <b>Ω</b> 58'55			13642 Feb 28 01:37	0°8	
	13637 Feb 04 22:57	0° <b>™</b>			13642 Apr 15 17:12	0°II	
					•		

evening set	13642 May 20 01:47	23° <b>II</b> 25'29			13646 Dec 10 11:13	0°⋜	
	13642 May 29 10:22	0ංම		max. Earth dist.	13647 Jan 13 21:14		2.50455 AU
max. Earth dist.	13642 Jun 02 20:34		2.47451 AU		13647 Jan 21 24:00	0° <b>≈</b>	
	13642 Jul 09 17:47	$0$ $\circ$ $\Omega$		morning rise	13647 Jan 29 16:37	5°≈15'34	
	12612 7 1 12 10 02	20.01.446	000000		13647 Mar 07 21:04	0° <b>)</b>	
conjunction	13642 Jul 12 18:02	2° <b>Ω</b> 14'46		desc. node	13647 Mar 20 10:01	8° <b>₩</b> 05'57	
minimum elong	13642 Jul 12 19:25	2° <b>Ω</b> 17'20	0°20′59		13647 Apr 24 07:48	0° <b>႘</b>	
asc. node	13642 Aug 11 01:12	24° <b>Ω</b> 28'22 0° <b>m</b>			13647 Jun 14 07:05	0° <b>I</b>	
marning risa	13642 Aug 18 05:08	21° <b>m</b> )34'10		ratra ara da	13647 Aug 13 09:06	0 Ⅱ 13°Ⅱ04'06	
morning rise	13642 Sep 14 20:24 13642 Sep 25 13:20	0° <b>⊡</b>		retrograde opposition	13647 Oct 06 02:51 13647 Nov 12 22:31	4° <b>I</b> I40′59	1056118
greatest brilliancy	13642 Oct 06 23:21	ა <b>—</b> 9° <b>ჲ</b> 00'49	1.2m	greatest brilliancy	13647 Nov 12 22:31 13647 Nov 14 01:39	4° <b>Ⅱ</b> 15'11	-1.6m
greatest of financy	13642 Nov 02 13:49	0° <b>M</b> .	1.2111	min. Earth dist.	13647 Nov 14 01:37	2° <b>Ⅱ</b> 14'31	0.59995 AU
	13642 Dec 11 04:09	0° <b>⊼</b> ″		min. Eurin dist.	13647 Nov 25 14:33	30°R <b>8</b>	0.57775 110
	13643 Jan 20 07:57	0°ਤ		direct	13647 Dec 23 15:50	24° <b>8</b> 51'44	
	13643 Mar 04 04:58	0° <b>≈</b>			13648 Jan 22 09:52	0°II	
	13643 Apr 20 21:36	0° <b>)</b>			13648 Mar 22 19:42	0ಂತ	
desc. node	13643 Jun 16 03:04	27° <b>)</b> (34'32		asc. node	13648 Apr 02 01:48	6°531'20	
	13643 Jun 23 04:57	$0^{\circ}\mathbf{\Upsilon}$			13648 May 06 04:50	$0^{\circ}\Omega$	
retrograde	13643 Jul 25 12:14	5° <b>Ƴ</b> 37'49			13648 Jun 15 08:13	0° <b>m</b>	
	13643 Aug 24 05:03	30° <b>₹</b> ₩			13648 Jul 23 21:54	0∘ <b>ত</b>	
min. Earth dist.	13643 Sep 03 00:50	26° <b>¥</b> 15′00	0.67988 AU		13648 Aug 31 09:43	$0^{\circ}$ M	
opposition	13643 Sep 04 06:22	25° <b>)</b> 45'41	-2°46'14		13648 Oct 09 20:43	0° <b>∡</b> ¹	
greatest brilliancy	13643 Sep 04 02:09	25° <b>)</b> 49′52	-1.3m		13648 Nov 19 23:54	0°ಕ	
direct	13643 Oct 15 00:02	16° <b>)</b> €05'45		evening set	13648 Nov 30 05:08	7° <b>る</b> 14'12	
	13643 Dec 09 17:30	$0^{\circ}$ Y			13649 Jan 02 03:10	0° <b>≈</b>	
	13644 Feb 06 09:20	$0^{\circ}$ 8					
	13644 Mar 26 01:01	$\Pi$ °0		conjunction	13649 Jan 22 03:53	13° <b>≈</b> 28′22	0°07'18
	13644 May 09 04:05	0ංම		minimum elong	13649 Jan 22 04:13	13° <b>≈</b> 28′56	0°08'08
	13644 Jun 19 07:16	0°N		behind sun begin	13649 Jan 21 10:07	12° <b>≈</b> 58'46	
asc. node	13644 Jun 27 17:39	6° <b>Ω</b> 21'46		behind sun end	13649 Jan 22 22:20	13° <b>≈</b> 59′05	
evening set	13644 Jul 13 01:03	18° <b>Ω</b> 03'55		desc. node	13649 Feb 03 20:40	21°≈53'09	
	13644 Jul 28 10:11	0° <b>m</b> )		max. Earth dist.	13649 Feb 12 03:08	27°≈18'49	2.61656 AU
	13644 Sep 04 11:01	0∘ <b>⊽</b>			13649 Feb 16 05:53	0° <b>∀</b>	
	12644 9 20 15:04	120 0 50117	0052100	morning rise	13649 Mar 10 17:22	14° <b>∺</b> 31'44 0° <b>Ƴ</b>	
conjunction	13644 Sep 20 15:04	12° <b>♀</b> 50'17 12° <b>♀</b> 42'21			13649 Apr 04 01:29	0°8	
minimum elong	13644 Sep 20 11:04 13644 Oct 12 07:38	0°M₁	0°53'15		13649 May 22 08:59 13649 Jul 11 12:39	0°II	
max. Earth dist.	13644 Oct 25 19:45	10°ML36'11	2.36656 AU		13649 Sep 03 19:29	0°©	
max. Earth dist.	13644 Nov 19 21:18	0° <b>∡</b> 7	2.30030 AO	retrograde	13649 Nov 25 23:46	27° <b>5</b> 25'02	
morning rise	13644 Dec 02 23:50	9° <b>х</b> 57'30		opposition	13649 Dec 29 20:06	20°943'20	-2°56'00
morning rise	13644 Dec 29 23:45	0° <b>ろ</b>		greatest brilliancy	13649 Dec 30 22:02	20°521'16	
	13645 Feb 10 08:05	0° <b>≈</b>		min. Earth dist.	13650 Jan 07 15:10		0.46856 AU
	13645 Mar 27 16:10	0° <b>)</b> €		direct	13650 Feb 04 18:20	12° <b>©</b> 31'17	0.10000110
desc. node	13645 May 02 21:24	22° <b>米</b> 09'59		asc. node	13650 Feb 18 10:48	13°5548'17	
	13645 May 16 12:39	$0^{\circ}$ Y			13650 Apr 01 06:40	$0^{\circ}\Omega$	
	13645 Jul 18 07:37	0° <b>႘</b>			13650 May 18 15:35	0° <b>m</b> )	
retrograde	13645 Aug 27 23:42	8° <b>8</b> 08'36			13650 Jun 28 23:26	0∘ <b>⊽</b>	
	13645 Oct 03 22:08	30° <b>Ŗ</b> ♈			13650 Aug 08 06:22	$0^{\circ}$ M	
opposition	13645 Oct 06 23:17	28° <b>Y</b> 48'40	-4°26'41		13650 Sep 18 06:04	0° <b>∡</b> ¹	
greatest brilliancy	13645 Oct 07 07:47	28° <b>Y</b> 40'19	-1.3m		13650 Oct 30 18:18	6°0	
min. Earth dist.	13645 Oct 09 14:23	27° <b>Y</b> 46'46	0.67376 AU		13650 Dec 14 01:03	0° <b>≈</b>	
direct	13645 Nov 17 13:14	18° <b>Ƴ</b> 46'55		desc. node	13650 Dec 22 13:22	5° <b>≈</b> 38'25	
	13646 Jan 04 13:31	0°8		evening set	13651 Jan 14 16:30	20° <b>≈</b> 47'37	
	13646 Mar 03 06:30	$\Pi$ $^{\circ}$ 0			13651 Jan 28 21:41	0° <b>∀</b>	
_	13646 Apr 18 09:32	0°©					
asc. node	13646 May 15 18:02	19°527'28		conjunction	13651 Mar 01 23:20	20° <b>₩</b> 32'57	
	13646 May 30 00:31	0° <b>Ω</b>		minimum elong	13651 Mar 01 22:16	20° <b>₩</b> 31'16	
	13646 Jul 08 04:36	0°M)	1 2	max. Earth dist.	13651 Mar 07 21:55		2.67571 AU
greatest brilliancy	13646 Jul 23 23:14	12° My 23'08	1.2m		13651 Mar 16 20:01	0°Υ 10°Υ15124	
	13646 Aug 15 05:21	ი∘ <b>ო</b> 0∘ <b>ত</b>		morning rise	13651 Apr 14 16:07	18° <b>Y</b> 15'34	
evening set	13646 Sep 22 04:38 13646 Sep 27 12:32	0°ጤ 4°ጤ10'20			13651 May 03 06:11 13651 Jun 19 17:55	0° <b>B</b>	
evening set	13646 Oct 31 00:39	4°11610′20 0° <b>√</b>			13651 Jun 19 17:55 13651 Aug 06 04:42	0₀ <b>©</b>	
	13070 001 31 00.39	• ^			13651 Sep 22 22:40	0° <b>U</b>	
conjunction	13646 Dec 03 10:36	24° <b>∡</b> 753′27	0°55'09		13651 Nov 11 09:27	0° <b>m</b> )	
minimum elong	13646 Dec 03 12:58	24° <b>x</b> *53'27' 24° <b>x</b> *57'46		asc. node	13652 Jan 06 17:29	28° Mp 22'46	
	130.0 200 03 12.30	20170	5 5 5 6 7		-505_ tuil 00 1/.2)	y =	

	13652 Jan 11 06:00	0∘ <b>⊽</b>			13657 Mar 07 08:56	0° <b>႘</b>	
retrograde	13652 Feb 11 09:30	0 <u>=</u> 5° <b>-</b> 245'48			13657 Apr 22 17:17	0°II	
opposition	13652 Mar 11 20:40	0° <b>£</b> 53'43	4°44'19	evening set	13657 May 03 05:20	7° <b>Ⅱ</b> 02'54	
greatest brilliancy	13652 Mar 11 20:57	0° <b>೨</b> 53'32	-3.0m	max. Earth dist.	13657 May 18 23:35		2.52604 AU
min. Earth dist.	13652 Mar 12 14:50	0° <b>ჲ</b> 41'44	0.36447 AU	max. Dartii dist.	13657 Jun 05 11:35	0°95	2.32001710
min. Darm dige.	13652 Mar 15 06:30	30°R, M)	0.50117110		1300, vaii 00 11.50	• •	
direct	13652 Apr 10 08:02	25° m 57'01		conjunction	13657 Jun 21 23:37	11°9544'44	-0°42'15
	13652 May 05 11:36	0∘ <b>⊽</b>		minimum elong	13657 Jun 22 01:28	11°9548'04	
	13652 Jul 05 04:09	0°M			13657 Jul 16 23:57	0°N	
	13652 Aug 21 16:44	0° <b>∡</b> ¹		morning rise	13657 Aug 18 00:15	24° <b>Ω</b> 05'18	
	13652 Oct 07 00:08	0°ెవ		3	13657 Aug 25 17:22	0° <b>m</b> )	
desc. node	13652 Nov 08 15:19	20°る59'10		asc. node	13657 Aug 27 20:30	1° <b>m</b> ) 38'22	
	13652 Nov 22 18:11	0° <b>≈</b>			13657 Oct 03 06:54	0∘ <u>⊽</u>	
	13653 Jan 09 03:29	0° <b>∀</b>			13657 Nov 10 11:17	0°M	
evening set	13653 Feb 19 23:36	26° <b>¥</b> 20'44			13657 Dec 19 04:32	0° <b>∡</b> ¹	
-	13653 Feb 25 18:44	$0^{\circ}\Upsilon$			13658 Jan 28 12:51	ರ°ರ	
max. Earth dist.	13653 Mar 28 22:40	19° <b>Y</b> '43'09	2.67949 AU		13658 Mar 13 00:28	0° <b>≈</b>	
					13658 May 02 05:39	0° <b>∀</b>	
conjunction	13653 Apr 04 21:39	24° <b>Y</b> 08'39	-1°04'41	desc. node	13658 Jul 02 17:21	22° <b>)</b> 13′51	
minimum elong	13653 Apr 04 20:46	24° <b>Y</b> 07'14	1°05'01	retrograde	13658 Jul 12 06:18	22° <b>)</b> 47′57	
	13653 Apr 14 01:55	$0^{\circ}B$		min. Earth dist.	13658 Aug 19 05:41	13° <b>¥</b> 54'39	0.66371 AU
morning rise	13653 May 18 05:09	21° <b>8</b> 59'17		opposition	13658 Aug 21 23:21	12° <b>¥</b> 49′27	-1°51'33
	13653 May 30 12:10	$\Pi$ °0		greatest brilliancy	13658 Aug 21 17:57	12° <b>¥</b> 54'49	-1.4m
	13653 Jul 14 17:27	$0$ $\circ$		direct	13658 Sep 30 23:22	3° <b>¥</b> 25′06	
	13653 Aug 27 14:38	$0^{\circ}\Omega$			13658 Dec 23 02:28	$0^{\circ}$ Y	
	13653 Oct 09 04:50	0° <b>™</b>			13659 Feb 15 00:03	$9^{\circ}$ 8	
	13653 Nov 19 21:22	0∘ <b>⊽</b>			13659 Apr 03 14:55	$\Pi$ °0	
asc. node	13653 Nov 23 17:58	2° <b>≙</b> 47'17			13659 May 17 12:17	$0$ $\circ$ $\odot$	
	13653 Dec 31 18:52	$0^{\circ}$ M		evening set	13659 Jun 20 01:04	24° <b>©</b> 18'45	
	13654 Feb 15 07:23	0° <b>∡</b> ″			13659 Jun 27 16:14	$0$ $^{\circ}$ $\Omega$	
retrograde	13654 Apr 21 23:33	23° <b>∡</b> ¹47'56		max. Earth dist.	13659 Jul 10 10:25	9° <b>Ω</b> 37'31	2.39045 AU
min. Earth dist.	13654 May 19 00:59	18° <b>∡</b> ⁴43'33	0.44448 AU	asc. node	13659 Jul 15 11:31	13° <b>Ω</b> 28'10	
greatest brilliancy	13654 May 25 21:09	16° <b>∡</b> ¹24'20 −	-2.5m		13659 Aug 05 21:44	0° <b>m</b> )	
opposition	13654 May 27 10:14		5°32'45				
direct	13654 Jun 28 17:27	9° <b>×</b> <sup>7</sup> 26'13		conjunction	13659 Aug 21 22:44	12° <b>m</b> 33'23	0°26'07
	13654 Sep 04 04:08	0°る		minimum elong	13659 Aug 21 20:15	12° m/28'30	0°25'40
desc. node	13654 Sep 27 00:06	11° <b>る</b> 43'11			13659 Sep 13 00:37	0∘ <b>亚</b>	
	13654 Oct 29 20:44	0° <b>≈</b>			13659 Oct 20 21:54	0°M	
	13654 Dec 19 21:58	0° <b>ℋ</b> 0° <b>Ƴ</b>		morning rise	13659 Nov 03 21:57	10°M59'46	
	13655 Feb 07 05:11				13659 Nov 28 10:48	0°る	
evening set	13655 Mar 27 05:42	0° <b>8</b> 08'20			13660 Jan 07 12:04		
	13655 Mar 27 00:29	0°8	2 (2050 AII		13660 Feb 18 22:04	0° <b>≈</b> 0° <b>)</b> €	
max. Earth dist.	13655 Apr 21 07:13	10.018.32	2.62859 AU	daga mada	13660 Apr 04 18:25 13660 May 19 15:25	0° <del>X</del> 26° <b>X</b> 11'13	
conjunction	13655 May 10 22:58	29° <b>8</b> 14'18	1000149	desc. node	13660 May 26 20:48	20 <b>π</b> 1113	
minimum elong	13655 May 10 22:38	29° <b>8</b> 15'03		retrograde	13660 Aug 14 07:47	25° <b>Υ</b> 40'02	
minimum ciong	13655 May 10 23:23	0°Ⅱ	1 10 38	opposition	13660 Sep 23 18:12	16° <b>Υ</b> 05'04	-3°5/1'51
	13655 Jun 25 07:06	0°©		greatest brilliancy	13660 Sep 23 20:24	16° <b>Υ</b> 02'53	
morning rise	13655 Jun 26 15:01	0°955'24		min. Earth dist.	13660 Sep 24 20:38	15° <b>Υ</b> 38'59	0.68419 AU
	13655 Aug 06 14:48	0° <b>Ω</b>		direct	13660 Nov 04 04:33	6° <b>Y</b> 08'59	0.00 .13 110
	13655 Sep 16 06:39	0° m)			13661 Jan 19 06:28	0°8	
asc. node	13655 Oct 11 09:01	19° <b>m</b> ) 00'31			13661 Mar 12 11:02	0°II	
	13655 Oct 25 17:27	0∘ <del>⊽</del>			13661 Apr 26 12:15	0°©	
	13655 Dec 03 16:58	0°M		asc. node	13661 Jun 01 09:01	25° <b>©</b> 54'38	
	13656 Jan 12 08:15	0° <b>∡</b> ¹			13661 Jun 06 20:30	0°N	
	13656 Feb 23 13:37	ರ°0			13661 Jul 15 23:08	0° <b>m</b> )	
	13656 Apr 13 20:20	0° <b>≈</b>			13661 Aug 22 23:00	0∘ <u>⊽</u>	
retrograde	13656 Jun 05 21:29	15° <b>≈</b> 18'41		evening set	13661 Aug 27 11:38	ვ∘ <b>ჲ</b> 35'39	
min. Earth dist.	13656 Jul 09 00:38	8° <b>≈</b> 00'18	0.57806 AU	-	13661 Sep 29 20:15	$0^{\circ}$ M	
opposition	13656 Jul 15 09:20	5° <b>≈</b> 31'37	1°17'37		-		
greatest brilliancy	13656 Jul 15 02:15	5° <b>≈</b> 38'31	-1.8m	conjunction	13661 Nov 07 13:02	0° <b>∡</b> ¹00'51	1°05'40
	13656 Jul 31 12:45	30°Ŗ₹		minimum elong	13661 Nov 07 14:01	0° <b>∡</b> °02'44	1°06'32
desc. node	13656 Aug 14 10:25	27° <b>る</b> 27'59			13661 Nov 07 12:35	0° <b>∡</b> 7	
direct	13656 Aug 21 09:08	27° <b>る</b> 09'28			13661 Dec 17 18:26	0°ප	
	13656 Sep 13 01:33	0° <b>≈</b>		max. Earth dist.	13661 Dec 27 21:46		2.44898 AU
	13656 Nov 24 07:32	0° <b>∀</b>		morning rise	13662 Jan 10 01:32	16° <b>පි</b> 41'50	
	13657 Jan 17 01:13	$0^{\circ}\Upsilon$			13662 Jan 29 03:36	0° <b>≈</b>	

	12//2 1/ 1/ 01/20	001/			12//7 4 12 05 20	00 <b>m</b> -	
	13662 Mar 15 01:39	0° <b>)</b> {			13667 Apr 12 05:39	0° <b>m</b> )	
desc. node	13662 Apr 06 04:33	14° <b>)</b> €05'51			13667 Jun 06 21:19	0 <b>∘</b> Ծ	
	13662 May 02 02:17	0° <b>Υ</b>			13667 Jul 21 09:57	0° <b>™</b>	
	13662 Jun 24 07:47	0°8			13667 Sep 02 20:29	0° <b>∡</b> ″	
retrograde	13662 Sep 19 22:38	29° <b>8</b> 02'42			13667 Oct 17 01:36	0°ಕ	
opposition	13662 Oct 28 19:06	20° <b>8</b> 13'37		desc. node	13667 Nov 26 02:21	26° <b>පි</b> 26'14	
greatest brilliancy	13662 Oct 29 15:07	19° <b>8</b> 54'16	-1.4m		13667 Dec 01 13:39	0° <b>≈</b>	
min. Earth dist.	13662 Nov 02 18:31	18° <b>8</b> 18'16	0.63668 AU		13668 Jan 17 05:05	0° <b>)</b> €	
direct	13662 Dec 09 02:18	10° <b>8</b> 13'42		evening set	13668 Feb 07 00:39	13° <b>)</b> 14′03	
	13663 Feb 12 02:03	$\Pi^{\circ}0$			13668 Mar 04 11:48	$0$ ° $\Upsilon$	
	13663 Apr 03 13:42	0°€		max. Earth dist.	13668 Mar 20 13:13	10° <b>Ƴ</b> 10′10	2.68458 AU
asc. node	13663 Apr 19 13:20	10°549'48					
	13663 May 16 08:27	$0^{\circ}\Omega$		conjunction	13668 Mar 22 11:36	11° <b>Y</b> 23'40	-0°56'15
	13663 Jun 24 22:36	0° m)		minimum elong	13668 Mar 22 10:29	11° <b>Y</b> ′21'54	
	13663 Aug 02 04:57	0∘ <del>⊽</del>		minimum ciong	13668 Apr 20 18:29	0°8	0 3021
	13663 Sep 09 10:06	0°M		morning rise	13668 May 04 13:24	8° <b>8</b> 48'13	
	13663 Oct 18 13:37	0° <b>⊼</b> ¹		morning risc	13668 Jun 06 12:11	0°Ⅱ	
. ,						0°©	
evening set	13663 Nov 08 23:45	15° <b>₹</b> 55'49			13668 Jul 22 09:30		
	13663 Nov 28 08:33	0°ಕ			13668 Sep 05 07:57	0° <b>Ω</b>	
		<b>–</b>			13668 Oct 19 10:26	0° <b>m</b> )	
conjunction	13664 Jan 05 11:17	26° <b>පි</b> 46'05			13668 Dec 02 08:53	0∘ <b>⊽</b>	
minimum elong	13664 Jan 05 12:37	26° <b>る</b> 48'22	0°27'47	asc. node	13668 Dec 10 10:11	5° <b>≏</b> 25'12	
	13664 Jan 10 04:28	0° <b>≈</b>			13669 Jan 17 17:46	0° <b>M</b> ₊	
max. Earth dist.	13664 Feb 02 17:51	15° <b>≈</b> 53'56	2.57858 AU	retrograde	13669 Mar 29 06:22	26°M23'23	
desc. node	13664 Feb 21 15:30	28° <b>≈</b> 22'58		min. Earth dist.	13669 Apr 24 00:42	22°M02'11	0.39507 AU
morning rise	13664 Feb 24 21:14	0° <b>∺</b> 29'54		greatest brilliancy	13669 Apr 29 09:34	20°M25'22	-2.8m
	13664 Feb 24 02:54	0° <b>)</b> €		opposition	13669 Apr 30 22:53	19° <b>M</b> 57'08	6°44'23
	13664 Apr 11 01:16	$0^{\circ}\mathbf{\Upsilon}$		direct	13669 May 31 01:18	14°ML30'11	
	13664 May 30 01:27	0°B			13669 Jul 25 11:26	0° <b>∡</b> ¹	
	13664 Jul 21 08:01	0°II			13669 Sep 19 06:18	ರ°0	
	13664 Sep 22 22:19	0°©		desc. node	13669 Oct 13 09:52	14° <b>ට</b> 14'46	
retrograde	13664 Nov 03 09:47	8°\$29'05		door. node	13669 Nov 08 14:06	0° <b>≈</b>	
opposition	13664 Dec 09 01:59	1°900'14	-4°12'31		13669 Dec 27 17:40	0° <b>₩</b>	
greatest brilliancy	13664 Dec 10 10:23	0°930'53			13670 Feb 14 05:17	0° <b>Υ</b>	
greatest brilliancy		0 <b>3</b> 30 33	-2.0111	evening set		17° <b>Υ</b> 06'47	
: E 4 E 4	13664 Dec 11 20:22	28°∏00'29	0.52465.411	evening set	13670 Mar 13 11:30		
min. Earth dist.	13664 Dec 17 09:35		0.52465 AU	To all the	13670 Apr 02 18:06	0°8	2 (5401 44)
direct	13665 Jan 16 23:44	21° <b>∏</b> 53'58		max. Earth dist.	13670 Apr 11 19:44	5° <b>8</b> 49'03	2.65491 AU
	13665 Feb 22 18:37	0°€					
asc. node	13665 Mar 06 23:34	5° <b>©</b> 25'05		conjunction	13670 Apr 26 12:05	15° <b>8</b> 18'30	
	13665 Apr 18 02:24	$0$ ° $\Omega$		minimum elong	13670 Apr 26 11:54	15° <b>8</b> 18'12	1°11'43
	13665 May 30 13:44	0° <b>m</b> y			13670 May 18 22:01	$\Pi$ $\circ 0$	
	13665 Jul 09 05:26	0∘ <b>⊽</b>		morning rise	13670 Jun 10 07:13	14° <b>Ⅱ</b> 56'18	
	13665 Aug 17 12:08	0° <b>M</b>			13670 Jul 02 10:35	0ංම	
	13665 Sep 26 16:38	0° <b>∡</b> 7			13670 Aug 14 06:08	$0^{\circ}\Omega$	
	13665 Nov 07 12:22	0°₹			13670 Sep 24 11:55	0° <b>m</b> y	
	13665 Dec 21 05:54	0° <b>≈</b>		asc. node	13670 Oct 28 04:20	25° <b>m</b> 11'29	
evening set	13665 Dec 29 10:45	5° <b>≈</b> 29'28			13670 Nov 03 13:05	0∘ <b>ত</b>	
desc. node	13666 Jan 08 04:58	11° <b>≈</b> 58'23			13670 Dec 13 04:15	0° <b>M</b> .	
	13666 Feb 04 17:31	0° <b>∀</b>			13671 Jan 22 18:48	0° <b>∡</b> ¹	
					13671 Mar 08 12:16	0°ප	
conjunction	13666 Feb 15 16:07	7° <b>)</b> €04'33	-0°21'20	retrograde	13671 May 21 17:23	27° <b>る</b> 54'09	
minimum elong	13666 Feb 15 15:23	7° <b>¥</b> 03′23		min. Earth dist.	13671 Jun 21 13:50	21°る23'43	0.52935 AU
max. Earth dist.	13666 Feb 26 23:46		2.65916 AU	greatest brilliancy	13671 Jun 28 08:46	18° <b>る</b> 49'36	-2.0m
max. Earth dist.		0°Υ	2.03910 AU				2°52'08
	13666 Mar 23 12:55			opposition	13671 Jun 29 03:01	18°る32'18	2°52'08
morning rise	13666 Apr 01 09:40	5° <b>Υ</b> 36'51		direct	13671 Aug 03 10:54	10°る47'19	
	13666 May 10 04:30	0° <b>8</b>		desc. node	13671 Aug 31 21:20	15° <b>පි</b> 12'10	
	13666 Jun 27 10:11	0°Щ			13671 Oct 09 00:42	0° <b>≈</b>	
	13666 Aug 15 12:45	0ა <b>ௐ</b>			13671 Dec 05 11:12	0° <b>∀</b>	
	13666 Oct 06 00:46	$0^{\circ}\Omega$			13672 Jan 25 20:54	0° <b>Ƴ</b>	
	13666 Dec 09 08:20	0° <b>™</b>			13672 Mar 14 10:31	$0^{\circ}S$	
retrograde	13667 Jan 09 02:04	5° <b>m</b> 19'12		evening set	13672 Apr 17 18:06	22° <b>8</b> 08'44	
asc. node	13667 Jan 23 08:14	4° <b>m</b> 01'49			13672 Apr 29 14:54	$\Pi^{\circ}0$	
opposition	13667 Feb 08 15:10	0°Mp01'54	1°11'18	max. Earth dist.	13672 May 06 19:01	4° <b>Ⅱ</b> 47'51	2.57192 AU
	13667 Feb 08 17:47	$30^{\circ}$ R $\Omega$					
greatest brilliancy							
Si catest of financy	13667 Feb 08 21:06	29° <b>£</b> 57′36	-2.9m	conjunction	13672 Jun 03 20:32	23° <b>Ⅱ</b> 57'28	-0°57'41
min. Earth dist.	13667 Feb 08 21:06 13667 Feb 14 14:11		-2.9m 0.38892 AU	-	13672 Jun 03 20:32 13672 Jun 03 22:02	23° <b>П</b> 57'28 24° <b>П</b> 00'04	
		29° N 57'36 28° N 18'45 23° N 58'30		conjunction minimum elong			

	13672 Jul 24 07:24	$0^{\circ}\Omega$			13677 May 10 11:16	0° <b>Υ</b>	
morning rise	13672 Jul 25 14:42	0° <b>Ω</b> 57'30			13677 Jul 06 22:59	0°8	
C	13672 Sep 02 08:27	0° <b>m</b>		retrograde	13677 Sep 05 01:09	15° <b>8</b> 53'26	
asc. node	13672 Sep 13 17:37	8° Mp 43'08		opposition	13677 Oct 14 16:45	6° <b>8</b> 43'15	-4°40'41
	13672 Oct 11 04:41	0∘ <b>⊽</b>		greatest brilliancy	13677 Oct 15 05:10	6° <b>8</b> 31'07	-1.3m
	13672 Nov 18 14:17	$0^{\circ}$ M		min. Earth dist.	13677 Oct 18 03:36	5° <b>8</b> 22'22	0.66363 AU
	13672 Dec 27 12:24	0° <b>∡</b> 7			13677 Nov 02 13:13	30° <b>₹Ƴ</b>	
	13673 Feb 06 05:28	5°0		direct	13677 Nov 25 06:28	26° <b>Y</b> '40'37	
	13673 Mar 22 20:49	0° <b>≈</b>			13677 Dec 19 15:58	$9^{\circ}$ 8	
	13673 May 18 09:11	0° <b>)</b> €			13678 Feb 24 14:19	$\Pi$ °0	
retrograde	13673 Jun 28 16:22	9° <b>∺</b> 19'10			13678 Apr 12 20:48	0	
desc. node	13673 Jul 19 05:10	6° <b>∺</b> 26'38		asc. node	13678 May 06 03:52	16° <b>©</b> 19'58	
min. Earth dist.	13673 Aug 03 22:30	0° <b>¥</b> 59'02	0.63770 AU		13678 May 24 20:09	$0$ $^{\circ}$ $\Omega$	
	13673 Aug 06 10:10	30° <b>₹</b> ≈			13678 Jul 03 03:22	0° <b>™</b>	
opposition	13673 Aug 08 03:32	29° <b>≈</b> 19′00			13678 Aug 10 05:28	0∘ <b>⊽</b>	
greatest brilliancy	13673 Aug 08 00:10	29° <b>≈</b> 22′20	-1.5m		13678 Sep 17 05:55	0° <b>M</b>	
direct	13673 Sep 16 04:26	20°≈14'27		evening set	13678 Oct 13 22:13	20°M41'15	
	13673 Oct 31 13:29	0° <b>)</b> €			13678 Oct 26 03:30	0° <b>∡</b>	
	13674 Jan 02 11:44	0° <b>Υ</b>			13678 Dec 05 15:41	0°₹	
	13674 Feb 22 22:33	0° <b>B</b>			12670 D 16 07 46	70720140	0045141
	13674 Apr 10 21:47	0° <b>I</b> I		conjunction	13678 Dec 16 07:46	7°る39'49	
. ,	13674 May 24 16:41	0°©		minimum elong	13678 Dec 16 10:00	7°る43'47	0°46'43
evening set	13674 May 30 13:18	4°509'36	2 44411 ATT	Family 43-4	13679 Jan 17 05:42	0°≈ 3°≈ •10'05	2.52200 AII
max. Earth dist.	13674 Jun 13 14:50	14°©16'49	2.44411 AU	max. Earth dist.	13679 Jan 21 20:46 13679 Feb 08 17:49	3°≈10'05	2.53290 AU
	13674 Jul 04 23:11	$0$ $^{\circ}\Omega$		morning rise		15°≈14'57 0° <b>)</b> €	
agniumation	13674 Jul 26 02:10	15° <b>Ω</b> 56'30	0°04'21	desc. node	13679 Mar 03 01:46 13679 Mar 10 09:39	4° <b>){</b> 45'43	
conjunction minimum elong	13674 Jul 26 02:34	15° <b>Ω</b> 57'15	0°05'09	desc. node	13679 Apr 19 06:04	4 χ4343 0°Υ	
behind sun begin	13674 Jul 25 01:34	15° <b>Ω</b> 09'36	0 03 09		13679 Jun 08 07:15	%8 0°B	
behind sun end	13674 Jul 27 03:34	16° <b>Ω</b> 44'57			13679 Aug 03 06:59	0°U	
asc. node	13674 Aug 01 05:40	20°Ω38'37		retrograde	13679 Oct 16 01:20	22° <b>П</b> 06'36	
use. Houe	13674 Aug 13 08:49	0° mp		opposition	13679 Nov 22 04:59	14° <b>∏</b> 00'31	-4°48'12
	13674 Sep 20 15:12	0° <del>ت</del>		greatest brilliancy	13679 Nov 23 11:08	13° <b>I</b> I32'13	
morning rise	13674 Oct 02 10:28	9° <b>Ω</b> 19'58		min. Earth dist.	13679 Nov 29 09:08		0.57552 AU
morning rise	13674 Oct 28 14:21	0°M		direct	13680 Jan 01 10:17	4°∏22'22	0.57552710
	13674 Dec 06 03:39	0° <b>⊼</b>			13680 Mar 14 14:34	0ಂಣ ————	
	13675 Jan 15 05:13	5°0		asc. node	13680 Mar 23 11:26	5°9516'16	
	13675 Feb 26 19:48	0° <b>≈</b>			13680 Apr 29 20:11	$0^{\circ}\Omega$	
	13675 Apr 14 13:40	0° <b>)</b> {			13680 Jun 09 13:55	0° <b>m</b> )	
desc. node	13675 Jun 06 07:03	28° <b>)</b> 14′26			13680 Jul 18 10:36	0∘ <del>⊽</del>	
	13675 Jun 10 06:50	$0^{\circ}$ Y			13680 Aug 26 03:23	$0^{\circ}$ M	
retrograde	13675 Aug 02 00:26	13° <b>Y</b> 15'36			13680 Oct 04 19:00	0° <b>∡</b>	
opposition	13675 Sep 11 17:15	3° <b>Y</b> 28'36	-3°14'11		13680 Nov 15 02:20	ರ°0	
min. Earth dist.	13675 Sep 11 07:14	3° <b>Y</b> 38'30	0.68432 AU	evening set	13680 Dec 11 10:05	18° <b>る</b> 24'37	
greatest brilliancy	13675 Sep 11 14:43	3° <b>Y</b> 31'06	-1.3m		13680 Dec 28 09:06	0° <b>≈</b>	
	13675 Sep 20 17:50	30° <b>₹</b>		desc. node	13681 Jan 24 21:39	18° <b>≈</b> 24'39	
direct	13675 Oct 22 18:43	23° <b>)</b> 41′52					
	13675 Nov 27 03:24	$0^{\circ}$ Y		conjunction	13681 Jan 31 10:06	22° <b>≈</b> 42'24	-0°03'46
	13676 Jan 31 03:49	0°8		minimum elong	13681 Jan 31 09:58	22° <b>≈</b> 42'10	0°03'02
	13676 Mar 20 19:36	$\Pi$ °0		behind sun begin	13681 Jan 30 14:06	22° <b>≈</b> 09'32	
	13676 May 04 05:53	0°50		behind sun end	13681 Feb 01 05:49	23°≈14'46	
	13676 Jun 14 10:48	$0$ $\circ$ $\Omega$			13681 Feb 11 13:33	0° <b>∀</b>	
asc. node	13676 Jun 18 00:52	2° <b>Ω</b> 41'46		max. Earth dist.	13681 Feb 17 19:55	4° <b>)</b> €04'23	2.63386 AU
	13676 Jul 23 13:35	0° my		morning rise	13681 Mar 18 18:51	22° <b>)</b> (40′30	
evening set	13676 Jul 28 09:48	3° m/47'25			13681 Mar 30 07:52	0° <b>Υ</b>	
	13676 Aug 30 13:45	0∘ <b>亚</b>			13681 May 17 07:56	0° <b>B</b>	
	13676 Oct 07 10:04	0°M₊			13681 Jul 05 15:08	0° <b>I</b> I	
agniumation	12676 Oat 00 12:51	00m 54141	1902142		13681 Aug 26 09:40	$0$ ಂ ${f U}$	
conjunction	13676 Oct 08 13:51 13676 Oct 08 11:12	0°M54'41 0°M49'28	1°02'43 1°03'09	retrogrado	13681 Oct 26 13:14	0°81 10°Ω06'27	
minimum elong	13676 Nov 15 00:04	0°11⊾49′28 0° <b>√</b> 7	1 03 09	retrograde opposition	13681 Dec 10 14:24 13682 Jan 12 04:44	3°Ω55'10	-1°46'07
max. Earth dist.	13676 Nov 30 09:29	11° <b>x</b> <sup>7</sup> 40'43	2.39253 AU	greatest brilliancy	13682 Jan 12 04:44 13682 Jan 12 21:00	3°Ω42'02	
morning rise	13676 Dec 18 00:10	24° <b>×</b> <sup>7</sup> 47'18	2.37233 AU	min. Earth dist.	13682 Jan 20 15:44		0.43735 AU
morning risc	13676 Dec 25 02:44	24 メ・47 18 0°る		mm. Darm dist.	13682 Jan 24 15:17	30°RS	0.73133 AU
	13677 Feb 05 10:03	0°≈		asc. node	13682 Feb 08 20:28	26°\$50'38	
	13677 Mar 22 12:15	0° <b>∀</b>		direct	13682 Feb 16 16:53	26°\$24'16	
desc. node	13677 Apr 22 23:40	19° <b>)</b> 38'10		******	13682 Mar 11 17:47	0°Ω	
		-, ,(5010				- 00	

	13682 May 09 09:59	0° <b>m</b> )		minimum elong	13687 May 19 15:06	8° <b>Ⅲ</b> 08'18	1°07'53
	13682 Jun 21 16:51	0∘ <b>⊽</b>			13687 Jun 20 13:26	$0$ $\circ$ $\odot$	
	13682 Aug 01 21:47	$0^{\circ}$ M.		morning rise	13687 Jul 06 17:45	11° <b>©</b> 21'56	
	13682 Sep 12 12:18	0° <b>∡</b> 7			13687 Aug 01 16:27	$0$ $^{\circ}$ $\Omega$	
	13682 Oct 25 11:32	0°ප			13687 Sep 11 02:45	0° m/y	
	13682 Dec 09 02:31	0°≈		asc. node	13687 Oct 01 13:38	15° m 33'54	
desc. node evening set	13682 Dec 12 17:15 13683 Jan 23 09:28	2°≈23'02 29°≈29'41			13687 Oct 20 07:45 13687 Nov 28 01:08	0° <b>™</b>	
evening set	13683 Jan 24 04:19	29 <b>≈</b> 2941 0° <b>∺</b>			13688 Jan 06 08:11	0° <b>⊼</b> ¹	
	15005 Jun 24 04.17	0 /			13688 Feb 16 18:47	0°ਰ	
conjunction	13683 Mar 09 21:13	28° <b>)</b> 31′56	-0°44'47		13688 Apr 03 21:24	0° <b>≈</b>	
minimum elong	13683 Mar 09 20:04	28° <b>¥</b> 30′06	0°44'39	retrograde	13688 Jun 14 10:05	24° <b>≈</b> 45′13	
	13683 Mar 12 04:43	$0^{\circ}$ Y		min. Earth dist.	13688 Jul 18 17:49	17° <b>≈</b> 03'19	0.60193 AU
max. Earth dist.	13683 Mar 12 23:11	0° <b>Y</b> 29′19	2.68115 AU	opposition	13688 Jul 24 08:55	14° <b>≈</b> 50'43	0°28'29
morning rise	13683 Apr 22 05:34	26° <b>Y</b> ′00′23		greatest brilliancy	13688 Jul 24 06:38	14° <b>≈</b> 52'58	-1.7m
	13683 Apr 28 12:49	0° <b>8</b>		desc. node	13688 Aug 04 16:59	10°≈41'13	
	13683 Jun 14 17:04	0°II		direct	13688 Aug 31 04:31	6°≈11'36	
	13683 Jul 31 12:23	$0$ ಂ $\Omega$			13688 Nov 16 12:27 13689 Jan 11 11:02	0° <b>ℋ</b> 0° <b>Ƴ</b>	
	13683 Sep 16 00:20 13683 Nov 01 18:41	0° <b>m</b> y			13689 Mar 02 10:36	0°8	
	13683 Dec 21 08:07	0∘ <del>ত</del> الم			13689 Apr 18 00:12	0°II	
asc. node	13683 Dec 28 02:44	ა — 3° <b>ჲ</b> 43'25		evening set	13689 May 12 12:54	16° <b>Ⅲ</b> 35'10	
retrograde	13684 Feb 29 12:29	24° <b>≏</b> 37'31		max. Earth dist.	13689 May 27 00:29		2.49827 AU
min. Earth dist.	13684 Mar 28 02:26	20° <b>≏</b> 09'50	0.36603 AU		13689 May 31 19:18	$0$ $\circ$ $\mathfrak{S}$	
opposition	13684 Mar 30 14:38	19° <b>ഫ</b> 29'19	6°10'59				
greatest brilliancy	13684 Mar 29 23:45	19° <b>₽</b> 39'21	-3.0m	conjunction	13689 Jul 03 06:49	23° <b>©</b> 22'58	
direct	13684 Apr 28 17:49	14° <b>≏</b> 39'11		minimum elong	13689 Jul 03 08:33	23° <b>©</b> 26'08	0°31'24
	13684 Jun 21 01:36	0° <b>M</b> 0°. <b>⊼</b>		1	13689 Jul 12 05:56	0°N	
	13684 Aug 13 08:42	0°る		asc. node	13689 Aug 18 03:01	27° <b>Ω</b> 53'24	
desc. node	13684 Sep 30 14:12 13684 Oct 29 20:27	18°る24'47		morning rise	13689 Aug 20 20:47 13689 Sep 02 01:07	0°Mp 9°Mp26'04	
desc. node	13684 Nov 17 06:57	18 <b>3</b> 2447 0° <b>≈</b>		morning risc	13689 Sep 28 07:32	ე∘ <b>⊽</b>	
	13685 Jan 04 04:31	0° <b>∀</b>			13689 Nov 05 09:21	0° <b>m</b>	
	13685 Feb 21 02:02	0° <b>Υ</b>			13689 Dec 14 00:05	0° <b>∡</b> ¹	
evening set	13685 Feb 27 19:43	4° <b>Υ</b> 14'21			13690 Jan 23 04:05	ರ°0	
max. Earth dist.	13685 Apr 02 22:26		2.67292 AU		13690 Mar 07 04:14	0° <b>≈</b>	
	13685 Apr 09 10:45	0°B			13690 Apr 24 13:40	0° <b>∀</b>	
				desc. node	13690 Jun 22 21:05	26° <b>)</b> (36′42	
conjunction	13685 Apr 12 15:44	2° <b>8</b> 03'10			13690 Jul 09 03:50	0° <b>Υ</b>	
minimum elong	13685 Apr 12 15:03	2° <b>8</b> 02'04 0° <b>П</b>	1 08 36	retrograde	13690 Jul 19 20:18 13690 Jul 30 03:33	0° <b>Υ'</b> 42'00 30°Ŗ <b>ℋ</b>	
morning rise	13685 May 25 18:26 13685 May 26 08:05	0°Щ22'25		min. Earth dist.	13690 Aug 27 17:05		0.67404 AU
morning 1130	13685 Jul 09 17:24	0°99		opposition	13690 Aug 29 15:08	20°\(\frac{1}{46}\)23	
	13685 Aug 22 04:33	$0^{\circ}\Omega$		greatest brilliancy	13690 Aug 29 09:58	20° <b>¥</b> 51'31	
	13685 Oct 03 05:40	0° <b>m</b> )		direct	13690 Oct 09 02:11	11° <b>)</b> 12'55	
asc. node	13685 Nov 13 23:23	0° <b>ჲ</b> 34'00			13690 Dec 14 22:40	$0^{\circ}$ Y	
	13685 Nov 13 04:57	0∘ <b>⊽</b>			13691 Feb 09 08:21	$0^{\circ}$ 8	
	13685 Dec 23 24:00	0° <b>M</b> ₊			13691 Mar 29 14:24	0°Щ	
	13686 Feb 04 17:54	0° <b>∡</b> ¹			13691 May 12 16:35	0°©	
ratra ara da	13686 Mar 30 11:40	0°る 7°る29'39		avanina aat	13691 Jun 22 21:17 13691 Jul 03 00:46	0° <b>Ω</b> 7° <b>Ω</b> 38'36	
retrograde min. Earth dist.	13686 May 03 11:36 13686 May 31 21:14	1°る2939	0.47486 AU	evening set asc. node	13691 Jul 05 00.46 13691 Jul 05 18:20	9° <b>Ω</b> 43'01	
mm. Lattii dist.	13686 Jun 06 05:07	30°R. <b>₹</b>	0.47400 AC	asc. node	13691 Aug 01 02:15	0° m)	
greatest brilliancy	13686 Jun 07 21:25	29° <b>∡</b> ¹23'37	-2.3m	max. Earth dist.	13691 Aug 11 00:54	-	2.36701 AU
opposition	13686 Jun 09 04:34	28° <b>₹</b> '55'37			C	•	
direct	13686 Jul 12 14:40	21° <b>∡</b> ¹58'24		conjunction	13691 Sep 07 18:41	29° <b>m</b> 40'58	0°42'36
	13686 Aug 20 14:28	0°ප		minimum elong	13691 Sep 07 14:50	29° <b>m</b> 33'19	0°42'26
desc. node	13686 Sep 17 06:39	11°る46'13			13691 Sep 08 04:17	0° <b>∞</b>	
	13686 Oct 22 16:25	0° <b>≈</b>			13691 Oct 16 00:52	0°M	
	13686 Dec 14 08:25	0° <b>ℋ</b> 0° <b>Ƴ</b>		morning rise	13691 Nov 21 07:10	28°M16′00 0°⊀	
	13687 Feb 02 06:55 13687 Mar 22 08:14	0°8			13691 Nov 23 13:23 13692 Jan 02 13:54	0° <b>ਨ</b> ਾ	
evening set	13687 Apr 04 05:11	8° <b>8</b> 14'42			13692 Feb 13 20:56	0°≈	
max. Earth dist.	13687 Apr 26 23:17		2.61049 AU		13692 Mar 30 07:22	0° <b>)</b> €	
	13687 May 07 11:09	0°Щ		desc. node	13692 May 09 16:42	24° <b>)</b> € 20'34	
					13692 May 19 19:40	0° <b>Υ</b>	
conjunction	13687 May 19 14:16	8° <b>Ⅱ</b> 06'53	-1°06'57		13692 Jul 28 10:14	$0^{\circ}$ 8	

	12602 4 22 01 25	2012142			12607.5 21.07.40	00.7	
retrograde	13692 Aug 22 01:25	3° <b>8</b> 16'42			13697 Sep 21 07:49	0°る	
annagition	13692 Sep 13 19:18	30°₹ <b>Υ</b> 23° <b>Υ</b> 49'29	4914!20		13697 Nov 02 10:53 13697 Dec 16 10:05	0° <b>≈</b>	
opposition greatest brilliancy	13692 Oct 01 06:36 13692 Oct 01 12:07	23° <b>Y</b> 49′29 23° <b>Y</b> 44′04	-4-14-39 -1.3m	desc. node	13697 Dec 16 10:03 13697 Dec 29 07:29	0°≈ 8°≈34'29	
min. Earth dist.	13692 Oct 01 12:07	23°Y03'53	0.67979 AU			0 ≈34 29 14°≈51'44	
direct	13692 Nov 11 20:04	23 1 03 33 13° <b>Υ</b> 49'49	0.07979 AU	evening set	13698 Jan 07 20:18 13698 Jan 31 01:28	14 ≈31 44 0° <b>)</b> (	
direct	13693 Jan 10 13:41	0° <b>8</b>			13096 Jan 31 01.26	0 /(	
	13693 Mar 06 13:46	0°II		conjunction	13698 Feb 23 21:46	15° <b>¥</b> 20'39	-0°30'41
	13693 Apr 21 06:45	0ಂ <b>ತಾ</b>		minimum elong	13698 Feb 23 20:49	15° <b>H</b> 19'08	
asc. node	13693 May 22 16:49	22° <b>©</b> 29'14		max. Earth dist.	13698 Mar 04 03:48		2.66932 AU
use. Houe	13693 Jun 01 19:50	0°Ω		max. Earth dist.	13698 Mar 18 21:45	0°Υ	2.00/32/10
	13693 Jul 11 00:04	0° m)		morning rise	13698 Apr 09 00:08	13° <b>Y</b> 21'39	
	13693 Aug 18 00:36	0∘ <u>v</u>		. 8	13698 May 05 09:39	0°8	
evening set	13693 Sep 14 01:20	21° <b>≏</b> 25'22			13698 Jun 22 04:32	0°II	
C	13693 Sep 24 22:33	$0^{\circ}$ M			13698 Aug 09 06:45	0ంతె	
greatest brilliancy	13693 Sep 30 11:30	4°M20'41	1.1m		13698 Sep 27 08:05	$0^{\circ}\Omega$	
	13693 Nov 02 16:09	0° <b>∡</b> ¹			13698 Nov 19 06:24	0° <b>™</b>	
				asc. node	13699 Jan 13 15:57	21° <b>m</b> 09'14	
conjunction	13693 Nov 22 15:31	15° <b>∡</b> 02'42	1°00'52	retrograde	13699 Jan 27 13:57	22° <b>m</b> 21'34	
minimum elong	13693 Nov 22 17:38	15° <b>∡</b> 06'38	1°01'51	opposition	13699 Feb 26 06:55	17° <b>m</b> 25'14	3°14'57
	13693 Dec 12 23:21	5°0		greatest brilliancy	13699 Feb 26 14:19	17° <b>m</b> 20'13	-3.0m
max. Earth dist.	13694 Jan 07 04:02	18° <b>る</b> 01'20	2.48022 AU	min. Earth dist.	13699 Mar 01 15:26	16° <b>m</b> 30'47	0.37140 AU
morning rise	13694 Jan 21 12:27	28° <b>る</b> 01'59		direct	13699 Mar 28 18:18	12°Mp05'52	
	13694 Jan 24 08:53	0° <b>≈</b>			13699 May 24 09:07	0∘ <b>ত</b>	
	13694 Mar 10 04:31	0° <b>∀</b>			13699 Jul 12 19:44	$0^{\circ}$ M	
desc. node	13694 Mar 27 05:48	10° <b>¥</b> 58'19			13699 Aug 27 01:40	0° <b>∡</b>	
	13694 Apr 26 18:46	0° <b>Υ</b>			13699 Oct 11 06:50	0° <b>ろ</b>	
	13694 Jun 17 11:10	0°B		desc. node	13699 Nov 16 08:02	23° <b>る</b> 30'47	
	13694 Aug 21 04:03	0°П			13699 Nov 26 09:22	0° <b>≈</b>	
retrograde	13694 Sep 28 22:17	7° <b>Ⅱ</b> 24'03			13700 Jan 12 09:34	0° <b>∀</b>	
•,•	13694 Nov 03 02:43	30°₹ <b>႘</b>	4050117	evening set	13700 Feb 15 01:00	21° <b>¥</b> 16′26 0° <b>Ƴ</b>	
opposition	13694 Nov 06 06:09	28° <b>8</b> 48'26		E d Ed	13700 Feb 28 20:37		2 (0202 ATT
greatest brilliancy	13694 Nov 07 06:09	28° <b>8</b> 25'24 26° <b>8</b> 35'30		max. Earth dist.	13700 Mar 26 11:34	16° <b>Ƴ</b> 13'01	2.68283 AU
min. Earth dist.	13694 Nov 12 01:02	18° <b>8</b> 53'17	0.61770 AU	aaniumatian	13700 Mar 31 03:17	19° <b>Ƴ</b> 10'15	1901126
direct	13694 Dec 17 07:04 13695 Feb 01 06:31	0°Ⅱ		conjunction minimum elong	13700 Mar 31 03:17	19 γ 10 13 19° <b>γ</b> ′08'38	
	13695 Mar 28 00:04	0.ಂ ೧ H		minimum ciong	13700 Mai 31 02:10 13700 Apr 17 03:33	0° <b>8</b>	1 01 30
asc. node	13695 Apr 09 23:41	8° <b>©</b> 30'55		morning rise	13700 Apr 17 03:33 13700 May 13 06:37	16° <b>8</b> 45'18	
asc. node	13695 May 10 15:39	0° <b>U</b>		morning 1130	13700 Jun 02 17:26	0°П	
	13695 Jun 19 13:27	0° mp			13700 Jul 18 06:04	0°52	
	13695 Jul 27 23:39	0∘ <del>⊽</del>			13700 Aug 31 14:06	$0^{\circ}\Omega$	
	13695 Sep 04 07:40	0°M			13700 Oct 13 19:00	0° m/y	
	13695 Oct 13 14:14	0° <b>∡</b> ¹			13700 Nov 25 06:52	0∘ <u>v</u>	
evening set	13695 Nov 21 22:49	28° <b>₹</b> 52'45		asc. node	13700 Dec 01 18:01	4° <b>≙</b> 33'41	
-	13695 Nov 23 12:21	ರ°ರ			13701 Jan 07 12:24	$0^{\circ}$ M	
	13696 Jan 05 10:52	0° <b>≈</b>			13701 Feb 26 08:05	0° <b>∡</b> ¹	
				retrograde	13701 Apr 13 06:04	12° <b>∡</b> 58′28	
conjunction	13696 Jan 15 18:10	6° <b>≈</b> 59'25		min. Earth dist.	13701 May 09 11:32	8° <b>∡</b> 16′26	0.42092 AU
minimum elong	13696 Jan 15 18:55	7° <b>≈</b> 00'40	0°16'21	greatest brilliancy	13701 May 15 20:54	6° <b>∡</b> 12'46	-2.6m
max. Earth dist.	13696 Feb 08 22:33	23° <b>≈</b> 07′00	2.60057 AU	opposition	13701 May 17 12:15	5° <b>∡</b> ′40'41	6°11'31
desc. node	13696 Feb 11 16:18	24°≈55'13			13701 Jun 10 23:05	30°RM	
	13696 Feb 19 10:18	0° <b>∀</b>		direct	13701 Jun 17 20:13	29°M41'06	
morning rise	13696 Mar 04 11:22	9° <b>₩</b> 07'05			13701 Jun 24 19:26	0° <b>∡</b>	
	13696 Apr 06 05:47	0°Ƴ			13701 Sep 11 11:32	0°る	
	13696 May 24 18:42	0° <b>X</b>		desc. node	13701 Oct 04 15:54	12° <b>る</b> 49'09	
	13696 Jul 14 16:04	0° <b>Ⅱ</b>			13701 Nov 03 08:08	0° <b>≈</b>	
ratra ara da	13696 Sep 09 14:02	0°ಅ 10°೯10'35			13701 Dec 23 11:25	0° <b>)</b> 0° <b>Υ</b>	
retrograde	13696 Nov 15 16:13 13696 Dec 20 09:38	19°5019'35	303/12/	avaning set	13702 Feb 10 09:51 13702 Mar 22 07:02	0°γ 25° <b>Υ</b> 01'18	
opposition greatest brilliancy	13696 Dec 20 09:38 13696 Dec 21 15:42	12° <b>©</b> 15'31 11° <b>©</b> 49'09		evening set	13702 Mar 22 07:02 13702 Mar 30 02:40	0° <b>8</b>	
min. Earth dist.	13696 Dec 21 13:42 13696 Dec 29 02:51	9°513'07		max. Earth dist.	13702 Mar 30 02:40 13702 Apr 18 04:16		2.64145 AU
direct	13697 Jan 27 08:10	3°936'07	0.77700 AU	max. Larui uist.	15/02 Apr 10 04.10	12 01340	2.07173 AU
asc. node	13697 Feb 25 09:11	8°958'27		conjunction	13702 May 05 15:04	23° <b>8</b> 38'30	-1°10'54
450. HOUC	13697 Apr 08 22:30	0°Ω		minimum elong	13702 May 05 15:04 13702 May 05 15:13	23° <b>8</b> 38'46	
	13697 May 23 13:21	0° mp		violig	13702 May 15 06:22	0°П	
	13697 Jul 03 00:31	0∘ <b>⊽</b>		morning rise	13702 Jun 20 08:23	24° <b>Ⅱ</b> 17'53	
	13697 Aug 11 18:34	0°M		<i>3</i>	13702 Jun 28 15:29	0°©	
	<u> </u>						

	13702 Aug 10 05:14	$0$ $\circ$ $\Omega$		retrograde	13707 Aug 10 13:59	20° <b>Y</b> 52'30	
	13702 Sep 20 03:48	0° <b>m</b> )		opposition	13707 Sep 20 04:14	11° <b>Ƴ</b> 11'40	
asc. node	13702 Oct 19 10:42	22°M) 03'32		greatest brilliancy	13707 Sep 20 04:06	11° <b>Ƴ</b> 11'49	-1.2m
	13702 Oct 29 21:00	0∘ <b>ऌ</b>		min. Earth dist.	13707 Sep 20 14:12	11° <b>Y</b> 01'50	0.68556 AU
	13702 Dec 08 02:21	o° <b>m</b> ₊		direct	13707 Oct 31 11:52	1° <b>Y</b> 19'23	
	13703 Jan 17 01:06	0° <b>∡</b> ¹			13708 Jan 25 06:32	$0^{\circ}B$	
	13703 Feb 28 23:20	0°ප			13708 Mar 16 08:39	0°II	
	13703 Apr 24 07:35	0° <b>≈</b>			13708 Apr 30 04:59	0°©	
retrograde	13703 Jun 01 02:45	8°≈35'57		asc. node	13708 Jun 09 08:37	29° <b>5</b> 06'49	
min. Earth dist.	13703 Jul 03 06:00	1°≈38'38	0.55711 AU	ase. Houe	13708 Jun 10 13:02	0° <b>Ω</b>	
iiiii. Eartii tiist.			0.55/11 AU				
*.*	13703 Jul 07 12:38	30°Rる	1056106		13708 Jul 19 16:34	0° M)	
opposition	13703 Jul 10 04:53	28°る57'57		evening set	13708 Aug 14 21:44	20° m/38'29	
greatest brilliancy	13703 Jul 09 17:24	29° <b>ろ</b> 09'00	-1.9m		13708 Aug 26 16:53	0∘ <b>⊽</b>	
direct	13703 Aug 15 12:11	20° <b>る</b> 51'22			13708 Oct 03 13:18	$0^{\circ}$ M	
desc. node	13703 Aug 23 02:16	21° <b>る</b> 12'12					
	13703 Sep 27 13:17	0°≈		conjunction	13708 Oct 26 19:37	18° <b>M</b> ₊11'28	1°06'27
	13703 Nov 29 21:57	0° <b>∀</b>		minimum elong	13708 Oct 26 19:10	18°ML10'35	1°07'10
	13704 Jan 21 14:11	$0^{\circ}\mathbf{\Upsilon}$			13708 Nov 11 03:40	0° <b>∡</b> ¹	
	13704 Mar 10 14:43	0°B		max. Earth dist.	13708 Dec 19 04:34	28° <b>∡</b> °28'11	2.42325 AU
	13704 Apr 25 22:29	0°II			13708 Dec 21 06:50	0°ಕ	
evening set	13704 Apr 27 09:39	0° <b>Ⅱ</b> 58'35		morning rise	13709 Jan 01 11:48	8° <b>ප</b> 07'10	
max. Earth dist.	13704 May 14 13:16		2.54744 AU		13709 Feb 01 13:24	0° <b>≈</b>	
max. Lartii dist.	13704 Jun 08 19:29	0°95	2.54/44 AO		13709 Mar 18 11:14	0° <b>∺</b>	
	13/04 Juli 08 19.29	0 🕹		1 1			
	12704 1 14 20 05	40614146	0040120	desc. node	13709 Apr 14 00:20	16° <b>)</b> 48′20	
conjunction	13704 Jun 14 20:05	4°9514'46			13709 May 05 18:03	0° <b>Υ</b>	
minimum elong	13704 Jun 14 21:51	4° <b>©</b> 17'53	0°50'40		13709 Jun 29 06:06	0° <b>8</b>	
	13704 Jul 20 11:47	$0$ $^{\circ}\Omega$		retrograde	13709 Sep 14 09:42	23° <b>8</b> 49'24	
morning rise	13704 Aug 08 06:50	13° <b>Ω</b> 59'12		opposition	13709 Oct 23 15:36	14° <b>8</b> 50'12	-4°50'59
	13704 Aug 29 09:22	0° <b>m</b> )		greatest brilliancy	13709 Oct 24 08:11	14° <b>8</b> 34'05	-1.4m
asc. node	13704 Sep 04 22:16	5° <b>™</b> 00'57		min. Earth dist.	13709 Oct 27 22:42	13° <b>8</b> 10'09	0.64999 AU
	13704 Oct 07 02:18	0∘ <b>ऌ</b>		direct	13709 Dec 04 02:47	4° <b>8</b> 48'24	
	13704 Nov 14 08:45	0° <b>M</b> ₊			13710 Feb 18 00:51	$\Pi^{\circ}$ 0	
	13704 Dec 23 03:13	0° <b>∡</b> ¹			13710 Apr 08 00:08	0°©	
	13705 Feb 01 13:22	0°ರ		asc. node	13710 Apr 27 11:34	13° <b>©</b> 24'03	
	13705 Mar 17 08:05	0° <b>≈</b>			13710 May 20 11:06	$0^{\circ}\Omega$	
	13705 May 08 04:06	0° <b>)</b> €			13710 Jun 28 22:49	0° m/y	
retrograde	13705 Jul 07 11:31	17° <b>)</b> 37'49			13710 Aug 06 03:29	0∘ <u>ಹ</u>	
desc. node	13705 Jul 10 10:05	17° <b>)</b> 34'22			13710 Sep 13 06:06	o <b>−</b> 0° <b>n</b>	
			0.65220 AII		•		
min. Earth dist.	13705 Aug 13 17:21		0.65329 AU	. ,	13710 Oct 22 06:01	0° <b>⊼</b> ¹	
opposition	13705 Aug 17 03:14	7° <b>∺</b> 37'55		evening set	13710 Oct 30 02:17	5° <b>∡</b> 754'04	
greatest brilliancy	13705 Aug 16 22:09	7° <b>)</b> 42′57	-1.4m		13710 Dec 01 20:45	0°ප	
	13705 Sep 09 15:36	30° <b>R</b> ≈				_	
direct	13705 Sep 25 18:12	28° <b>≈</b> 21'50		conjunction	13710 Dec 29 01:23	19° <b>る</b> 17'59	
	13705 Oct 12 21:32	0° <b>∀</b>		minimum elong	13710 Dec 29 03:09	19° <b>る</b> 21'03	0°36'03
	13705 Dec 27 19:21	$0$ ° $\Upsilon$			13711 Jan 13 12:27	0° <b>≈</b>	
	13706 Feb 18 15:11	$8^{\circ 0}$		max. Earth dist.	13711 Jan 29 21:33	11° <b>≈</b> 07'43	2.55906 AU
	13706 Apr 07 00:41	$\Pi^{\circ}0$		morning rise	13711 Feb 19 02:24	24° <b>≈</b> 35′10	
	13706 May 20 22:34	$0$ $\circ$ $\odot$			13711 Feb 27 08:24	0° <b>∀</b>	
evening set	13706 Jun 11 17:50	15° <b>©</b> 38'45		desc. node	13711 Mar 01 11:04	1° <b>¥</b> 22'43	
max. Earth dist.	13706 Jun 27 14:48	27°519'47	2.41387 AU		13711 Apr 15 07:39	$0^{\circ}$ Y	
	13706 Jul 01 04:48	$0^{\circ}\Omega$			13711 Jun 03 16:06	0°B	
asc. node	13706 Jul 23 12:16	16° <b>Ω</b> 52'16			13711 Jul 27 03:55	0°II	
	13706 Aug 09 12:52	0° m)			13711 Oct 10 16:03	0°©	
	137001148 07 12.02	· .x		retrograde	13711 Oct 27 15:18	1° <b>5</b> 37'43	
conjunction	13706 Aug 10 15:12	0° m <sub>0</sub> 51'07	0°12'40	retrograde		1 €35/43 30°R∏	
conjunction	13706 Aug 10 15:12			ammagiti	13711 Nov 12 17:25		4021117
minimum elong	13706 Aug 10 14:04	0° Mp 48'56	0°12'11	opposition	13711 Dec 03 00:54	23° <b>∏</b> 51'04	
behind sun begin	13706 Aug 09 19:25	0° Mp 12'42		greatest brilliancy	13711 Dec 04 08:56	23° <b>I</b> I21'32	
behind sun end	13706 Aug 11 08:44	1° m/25'11		min. Earth dist.	13711 Dec 10 22:03		0.54829 AU
	13706 Sep 16 17:37	0∘ <b>⊽</b>		direct	13712 Jan 11 14:58	14° <b>Ⅱ</b> 28'17	
morning rise	13706 Oct 21 16:12	27° <b>≏</b> 39'37			13712 Mar 05 05:54	$0$ $\circ$	
	13706 Oct 24 15:23	0°M₊		asc. node	13712 Mar 14 21:26	5° <b>©</b> 04'35	
	13706 Dec 02 03:37	0° <b>∡</b> ¹			13712 Apr 23 20:57	$0^{\circ}\Omega$	
	13707 Jan 11 03:42	5°0			13712 Jun 04 11:24	0° <b>™</b>	
	13707 Feb 22 13:26	0° <b>≈</b>			13712 Jul 13 17:43	0∘ <b>⊽</b>	
	13707 Apr 09 15:13	0° <b>∀</b>			13712 Aug 21 17:04	0° <b>M</b> ₊	
desc. node	13707 May 28 10:12	27° <b>)</b> 42′02			13712 Sep 30 14:26	0° <b>∡</b> ¹	
	13707 Jun 02 00:37	$0^{\circ}$ Y			13712 Nov 11 03:18	0°ರ	

evening set	13712 Dec 22 21:51	28° <b>る</b> 51'15		asc. node	13717 Nov 05 05:38	27° m 55'52	
evening set	13712 Dec 22 21:31 13712 Dec 24 14:34	28 <b>⊙</b> 31 13		asc. Houc	13717 Nov 03 03:58 13717 Nov 07 23:58	0° <b>⊽</b>	
desc. node	13712 Dec 24 14.34 13713 Jan 16 00:03	0 <b>~</b> 14° <b>≈</b> 58'07			13717 Dec 18 01:08	0° <b>™</b>	
dese. Hode	13713 Feb 07 21:52	0° <b>)</b> €			13718 Jan 28 07:39	0° <b>₹</b>	
		* /.			13718 Mar 16 02:42	0°ප	
conjunction	13713 Feb 10 05:47	1° <b>)</b> 30′53	-0°14'13	retrograde	13718 May 15 02:14	19° <b>る</b> 57'39	
minimum elong	13713 Feb 10 05:16	1° <b>)</b> €30'04	0°13'36	min. Earth dist.	13718 Jun 13 20:52	13° <b>る</b> 51'13	0.50538 AU
behind sun begin	13713 Feb 09 19:00	1° <b>)</b> 13′23		opposition	13718 Jun 21 20:20	10° <b>る</b> 53'51	3°35'58
behind sun end	13713 Feb 10 15:32	1° <b>){</b> 46'44		greatest brilliancy	13718 Jun 20 20:24	11° <b>る</b> 16'03	-2.1m
max. Earth dist.	13713 Feb 24 05:05	10° <b>)</b> 33′06	2.64893 AU	direct	13718 Jul 26 08:12	3° <b>る</b> 29'00	
	13713 Mar 26 15:47	$0^{\circ}$ Y		desc. node	13718 Sep 08 13:12	13° <b>る</b> 17'18	
morning rise	13713 Mar 27 14:39	0° <b>Ƴ</b> 36'13			13718 Oct 15 11:15	0° <b>≈</b>	
	13713 May 13 10:11	$0^{\circ}S$			13718 Dec 09 12:05	0° <b>∀</b>	
	13713 Jul 01 01:41	$\Pi^{\circ}0$			13719 Jan 29 05:49	0° <b>Ƴ</b>	
	13713 Aug 20 03:34	0°9			13719 Mar 18 14:35	0° <b>8</b>	
	13713 Oct 13 09:42	0°N		evening set	13719 Apr 13 09:52	16° <b>8</b> 34'48	
retrograde	13713 Dec 27 12:57	24°Ω06'40	0012157	D d F	13719 May 03 19:29	0°II	2 50022 444
opposition	13714 Jan 27 22:33	18° <b>Ω</b> 26'03		max. Earth dist.	13719 May 04 01:02	0°Щ09′14	2.59022 AU
greatest brilliancy asc. node	13714 Jan 28 00:46 13714 Jan 31 06:58	18° <b>Ω</b> 24'22 17° <b>Ω</b> 24'26	-2.8m	conjugation	12710 May 20, 15:22	17° <b>Ⅲ</b> 25'11	1002!10
min. Earth dist.	13714 Jan 31 06.38 13714 Feb 04 08:12	17 <b>δι</b> 24 26 16° <b>Ω</b> 10'56	0.40870 AU	conjunction minimum elong	13719 May 29 15:22 13719 May 29 16:36	17 <b>Ⅲ</b> 23 11 17° <b>Ⅲ</b> 27'17	
direct	13714 Mar 02 18:01	11° <b>Ω</b> 42'17	0.40070 AC	minimum ciong	13719 Jun 16 20:15	0°95	1 03 17
direct	13714 Apr 28 00:58	0° mp		morning rise	13719 Jul 18 14:25	22° <b>©</b> 33'56	
	13714 Jun 14 09:15	0∘ <del>⊽</del>			13719 Jul 28 19:53	0° <b>Ω</b>	
	13714 Jul 27 01:17	$0^{\circ}$ M			13719 Sep 07 01:40	0° <b>m</b>	
	13714 Sep 07 11:54	0° <b>∡</b> ″		asc. node	13719 Sep 22 19:40	12° Mp 01'24	
	13714 Oct 21 01:14	ರ∘ರ			13719 Oct 16 02:06	0∘ <b>亚</b>	
desc. node	13714 Dec 03 20:11	29° <b>る</b> 11'03			13719 Nov 23 14:45	$0^{\circ}$ M	
	13714 Dec 05 02:02	0° <b>≈</b>			13720 Jan 01 15:24	0° <b>∡</b> ¹	
	13715 Jan 20 10:25	0° <b>∀</b>			13720 Feb 11 13:12	ರ∘ರ	
evening set	13715 Feb 01 20:10	7° <b>)</b> € 55'45			13720 Mar 27 20:45	0° <b>≈</b>	
	13715 Mar 08 13:47	0° <b>Ƴ</b>			13720 May 29 21:19	0° <b>)</b> {	
. ,.	12715 M 10 16 20	(0000 4110	0051152	retrograde	13720 Jun 23 15:23	3° <b>)</b> €43′20	
conjunction minimum elong	13715 Mar 18 16:20 13715 Mar 18 15:11	6° <b>Y</b> 24'19 6° <b>Y</b> 22'29		desc. node	13720 Jul 16 23:41 13720 Jul 26 22:07	30°R≈ 26°≈29'59	
max. Earth dist.	13715 Mar 18 13:11 13715 Mar 18 23:07	6°Υ35'03		min. Earth dist.	13720 Jul 20 22.07 13720 Jul 29 01:37	20 ≈29 39 25°≈39'56	0.62285 AU
max. Lattii dist.	13715 Apr 24 20:55	0° <b>8</b>	2.00420 AC	opposition	13720 Aug 02 22:30	23° <b>≈</b> 44'42	
morning rise	13715 Apr 30 19:25	3° <b>8</b> 46'37		greatest brilliancy	13720 Aug 02 21:11	23°≈46'00	-1.6m
	13715 Jun 10 19:21	0°II		direct	13720 Sep 10 11:33	14° <b>≈</b> 50'43	
	13715 Jul 27 02:01	0∘ <b>©</b>			13720 Nov 08 03:27	0° <b>∀</b>	
	13715 Sep 10 15:44	$0^{\circ}\Omega$			13721 Jan 06 12:50	$0^{\circ}$ Y	
	13715 Oct 25 17:57	0° <b>™</b>			13721 Feb 26 08:45	$9^{\circ}$ 8	
	13715 Dec 10 09:42	0∘ <b>⊽</b>			13721 Apr 14 05:08	$\Pi^{\circ}0$	
asc. node	13715 Dec 19 10:14	5° <b>≏</b> 43'17		evening set	13721 May 23 11:42	26° <b>Ⅱ</b> 47'06	
	13716 Jan 30 22:25	$0^{\circ}$ M			13721 May 28 01:27	$0$ $\circ$	
retrograde	13716 Mar 18 07:27	13° <b>™</b> 18′09		max. Earth dist.	13721 Jun 06 08:17	6° <b>©</b> 35'20	2.46876 AU
min. Earth dist.	13716 Apr 13 08:34	9°M03'02			13721 Jul 08 11:02	$0$ ° $\Omega$	
greatest brilliancy	13716 Apr 17 10:47	7°M53'23		aanius -ti	12721 I-1 16 16 22	6° <b>Ω</b> 08'30	0016117
opposition	13716 Apr 18 16:45	7°M32'03 2°M27'06	6°48'26	conjunction	13721 Jul 16 16:22 13721 Jul 16 17:33	6°Ω10'43	
direct	13716 May 18 02:14 13716 Aug 04 05:00	2 11 <b>6</b> 2706 0° <b>√</b>		minimum elong asc. node	13721 Aug 09 07:23	24°Ω04'50	0 1/10
	13716 Sep 24 15:19	0° <b>ਠ</b>		asc. Houc	13721 Aug 09 07:23 13721 Aug 16 23:46	0°m)	
desc. node	13716 Oct 21 01:52	00 16°る07'57		morning rise	13721 Sep 19 14:27	26° Mp 15'09	
	13716 Nov 12 14:46	0° <b>≈</b>			13721 Sep 24 08:36	0∘ <b>ಹ</b>	
	13716 Dec 31 03:42	0° <b>)</b> €			13721 Nov 01 08:50	0° <b>M</b> ₊	
	13717 Feb 17 08:45	$0^{\circ}$ Y			13721 Dec 09 21:56	0° <b>∡</b> ⊓	
evening set	13717 Mar 08 14:59	12° <b>Y</b> ′05'55			13722 Jan 18 23:07	ರ∘ರ	
	13717 Apr 05 20:00	$9^{\circ}$ 8			13722 Mar 02 15:05	0° <b>≈</b>	
max. Earth dist.	13717 Apr 09 01:26	2° <b>8</b> 03'51	2.66404 AU		13722 Apr 18 19:49	0° <b>∀</b>	
				desc. node	13722 Jun 14 01:12	28° <b>¥</b> 30′57	
conjunction	13717 Apr 21 11:54	10° <b>8</b> 03'20			13722 Jun 17 22:22	0° <b>Υ</b>	
minimum elong	13717 Apr 21 11:29	10° <b>8</b> 02'40	1°10'56	retrograde	13722 Jul 28 08:29	8° <b>Y</b> 25'48	
:···	13717 May 22 02:19	0°II		min. Earth dist.	13722 Sep 03 12:48	30° <b>₹</b> ₩	0.68100 AU
morning rise	12717 I 04 16 50					79-74-00/33	U DATION AT
	13717 Jul 05 20:00	9° <b>Ⅱ</b> 00'50			13722 Sep 06 01:02		
	13717 Jul 05 20:09	0₀ <b>©</b>		opposition	13722 Sep 07 03:25	28° <b>¥</b> 34′26	-2°54'57
					-		-2°54'57

asc. node	13732 Nov 22 00:14	2° <b>≏</b> 47'11			13738 Jun 26 10:10	$0^{\circ}\Omega$	
asc. Houe	13732 Nov 22 00.14 13732 Dec 29 18:38	2 <b>=</b> 4/11 0° <b>M</b>		asc. node	13738 Jul 20 10:10	13° <b>Ω</b> 06'34	
	13732 Dec 29 18.38 13733 Feb 12 07:45	0° <b>⊼</b> ¹		max. Earth dist.	13738 Jul 15 18:38 13738 Jul 15 23:07	13 <b>δ 2</b> 00 34 14° <b>Ω</b> 46'01	2.38550 AU
ratragrada	13733 Apr 25 15:53	27° <b>∡</b> 50′28		max. Earth dist.	13738 Aug 04 17:19	0°m)	2.36330 AU
retrograde min. Earth dist.	13733 May 23 00:53	27 <b>x</b> 30 28 22° <b>x</b> 39'29	0.45007 AU		13/36 Aug 04 17.19	עוויט	
greatest brilliancy	•	22 <b>x</b> ·3929 20° <b>x</b> 18'10	-2.4m	aamiumatian	12729 Aug 26 11,27	170 m 02147	0°30'11
2	13733 May 29 21:18	19° <b>×</b> <sup>7</sup> 47'01	5°20'22	conjunction minimum elong	13738 Aug 26 11:37	17° Mp 02'47 16° Mp 57'06	0°29'48
opposition	13733 May 31 09:13		5-20-22	minimum eiong	13738 Aug 26 08:45	0° <b>⊽</b>	0-2948
direct	13733 Jul 02 20:45	13° <b>∡</b> 14'46			13738 Sep 11 20:50		
	13733 Aug 31 11:04	0°る			13738 Oct 19 17:42	0°M	
desc. node	13733 Sep 24 22:00	12° <b>る</b> 05'59		morning rise	13738 Nov 08 17:56	15°M42'19	
	13733 Oct 27 15:16	0° <b>≈</b>			13738 Nov 27 05:09	0° <b>∡</b> 7	
	13733 Dec 18 01:41	0° <b>)</b> €			13739 Jan 06 03:56	0°る	
	13734 Feb 05 13:09	0° <b>Υ</b>			13739 Feb 17 10:04	0° <b>≈</b>	
	13734 Mar 25 11:13	0°8			13739 Apr 03 23:40	0° <b>∀</b>	
evening set	13734 Mar 30 04:19	3° <b>8</b> 00'31		desc. node	13739 May 18 11:31	26° <b>)</b> 18′16	
max. Earth dist.	13734 Apr 23 15:55	18° <b>8</b> 49'42	2.62528 AU		13739 May 25 07:46	0° <b>Υ</b>	
	13734 May 10 15:22	$\Pi$ °0		retrograde	13739 Aug 18 05:14	28° <b>Y</b> ′28'58	
				opposition	13739 Sep 27 15:40	18° <b>Y</b> 55′10	
conjunction	13734 May 14 00:28	2° <b>Ⅱ</b> 14'42		greatest brilliancy	13739 Sep 27 18:29	18° <b>Y</b> ′52'23	
minimum elong	13734 May 14 01:00	2° <b>Ⅱ</b> 15'36	1°10'07	min. Earth dist.	13739 Sep 28 21:45	18° <b>Y</b> ′25'33	0.68376 AU
	13734 Jun 23 21:28	$0$ $\circ$		direct	13739 Nov 08 03:52	8° <b>Y</b> 58'18	
morning rise	13734 Jun 29 23:10	4° <b>©</b> 13'12			13740 Jan 17 11:20	$9^{\circ}$ 8	
	13734 Aug 05 06:04	$0^{\circ}\Omega$			13740 Mar 10 15:52	$\Pi^{\circ}0$	
	13734 Sep 14 22:13	0° <b>m</b> ∕			13740 Apr 25 01:04	$0$ $\circ$ $\odot$	
asc. node	13734 Oct 09 15:06	18° <b>m</b> 42'39		asc. node	13740 May 30 15:55	25° <b>©</b> 37'05	
	13734 Oct 24 08:42	0∘ <b>⊽</b>			13740 Jun 05 13:16	$0^{\circ}\Omega$	
	13734 Dec 02 06:52	$0^{\circ}$ M.			13740 Jul 14 17:55	0° <b>m</b> y	
	13735 Jan 10 18:53	0° <b>∡</b> ¹			13740 Aug 21 18:33	0∘ <b>⊽</b>	
	13735 Feb 21 15:57	0° <b>ට</b>		evening set	13740 Sep 01 06:49	8° <b>≏</b> 20'41	
	13735 Apr 11 13:14	0° <b>≈</b>		-	13740 Sep 28 15:36	0° <b>M</b>	
retrograde	13735 Jun 09 23:16	18° <b>≈</b> 30'42			13740 Nov 06 06:54	0° <b>∡</b> ¹	
min. Earth dist.	13735 Jul 13 08:22	11° <b>≈</b> 08'18	0.58299 AU				
opposition	13735 Jul 19 14:35	8° <b>≈</b> 42'04	1°03'49	conjunction	13740 Nov 11 23:35	4° <b>х</b> <sup>7</sup> 20′12	1°04'53
greatest brilliancy	13735 Jul 19 08:53	8° <b>≈</b> 47'37	-1.8m	minimum elong	13740 Nov 12 00:56	4° <b>∡</b> °22'47	1°05'46
desc. node	13735 Aug 13 09:00	1°≈16'05	1.0	g	13740 Dec 16 10:59	0°る	1 00 10
direct	13735 Aug 25 19:21	0°≈16'28		max. Earth dist.	13740 Dec 31 09:43	00 10° <b>ろ</b> 47'41	2.45499 AU
direct	13735 Nov 22 17:43	0° <b>∺</b>		morning rise	13741 Jan 13 18:47	20°る16'59	2.434)) 110
	13736 Jan 16 03:35	0°Υ		morning rise	13741 Jan 27 17:37	0°≈	
	13736 Mar 05 17:48	%8 0°8			13741 Mar 13 12:06	0° <b>∺</b>	
	13736 Apr 21 06:10	0°II		desc. node	13741 Apr 04 01:23	13° <b>¥</b> 48'07	
evening set	13736 May 06 08:45	10° <b>Ⅱ</b> 08'22		desc. Hode	13741 Apr 30 06:37	0° <b>Υ</b>	
max. Earth dist.	13736 May 21 21:07		2.52107 AU		13741 Apr 30 00.37 13741 Jun 21 20:05	0°8	
max. Earm dist.	13736 Jun 04 03:17	20 <b>п</b> 43 23	2.32107 AU			0°II	
	13/30 Juli 04 03.17	0 😏		rotro ara do	13741 Sep 04 02:55	0 П 1°П58'28	
:	12726 I 25 11.22	1596513104	0020120	retrograde	13741 Sep 23 01:07	30°R <b>В</b>	
conjunction	13736 Jun 25 11:22	15°5512'04			13741 Oct 10 18:35		1056110
minimum elong	13736 Jun 25 13:13	15°5015'24	0°40′30	opposition	13741 Oct 31 20:18	23° <b>8</b> 11'28	
	13736 Jul 15 17:35	0°N		greatest brilliancy	13741 Nov 01 17:02	22° <b>8</b> 51'27	
morning rise	13736 Aug 22 04:52	28° <b>Ω</b> 14'07		min. Earth dist.	13741 Nov 05 23:27	21° <b>8</b> 12'51	0.63350 AU
_	13736 Aug 24 12:02	0° <b>m</b> y		direct	13741 Dec 12 03:30	13° <b>8</b> 12'21	
asc. node	13736 Aug 26 04:22	1° Mp 17'31			13742 Feb 09 00:00	0°II	
	13736 Oct 02 01:44	0∘ <b>亚</b>			13742 Apr 01 18:39	0°95	
	13736 Nov 09 05:20	0° <b>™</b>		asc. node	13742 Apr 17 21:37	10°5548'30	
	13736 Dec 17 20:41	0° <b>∡</b> 7			13742 May 14 22:01	$0^{\circ}\Omega$	
	13737 Jan 27 01:29	0°る			13742 Jun 23 15:42	0° m)	
	13737 Mar 11 06:02	0° <b>≈</b>			13742 Jul 31 23:18	0∘ <b>⊽</b>	
	13737 Apr 29 14:15	0° <b>)</b> €			13742 Sep 08 04:22	0°M	
desc. node	13737 Jun 30 14:31	24° <b>)</b> €24'17			13742 Oct 17 06:53	0° <b>∡</b> ¹	
retrograde	13737 Jul 15 03:23	25° <b>)</b> (41'38		evening set	13742 Nov 13 00:13	19° <b>∡</b> 750′27	
min. Earth dist.	13737 Aug 22 08:01	16° <b>)</b> 45'11	0.66615 AU		13742 Nov 27 00:19	0°₹	
opposition	13737 Aug 24 22:11	15° <b>)</b> (43′34		_			
greatest brilliancy	13737 Aug 24 16:35	15° <b>)</b> 49′07	-1.4m	conjunction	13743 Jan 08 22:44	0° <b>≈</b> 07'22	0°23'46
direct	13737 Oct 04 01:26	6° <b>)</b> 17'17		minimum elong	13743 Jan 08 23:55	0° <b>≈</b> 09'23	0°24'43
	13737 Dec 20 08:27	0° <b>Υ</b>			13743 Jan 08 18:26	0° <b>≈</b>	
	13738 Feb 13 03:04	0°B		max. Earth dist.	13743 Feb 05 10:19	18° <b>≈</b> 39'44	2.58303 AU
	13738 Apr 02 01:39	$\Pi$ °0		desc. node	13743 Feb 19 12:01	27° <b>≈</b> 57'29	
	13738 May 16 03:25	$0$ $\circ$ $\odot$			13743 Feb 22 14:50	0° <b>∀</b>	
evening set	13738 Jun 23 20:15	28° <b>©</b> 04'33		morning rise	13743 Feb 28 00:23	3° <b>∺</b> 31'16	

	13743 Apr 10 10:31 13743 May 29 05:56 13743 Jul 20 00:32 13743 Sep 18 21:31	γ°0 Β°0 π°0 0°5		greatest brilliancy opposition direct	13748 May 03 23:33 13748 May 05 13:34 13748 Jun 04 22:59 13748 Jul 20 11:28	24°M.57'47 24°M.28'34 18°M.55'30 0°×7'	-2.7m 6°40'10
retrograde	13743 Nov 08 02:32	11°950'30			13748 Sep 16 19:05	0°ਰ	
opposition	13743 Dec 13 15:14	4° <b>©</b> 26'07	-4°03'17	desc. node	13748 Oct 11 07:59	14° <b>る</b> 17'07	
greatest brilliancy	13743 Dec 14 23:08	3° <b>©</b> 57'26	-2.0m		13748 Nov 06 15:38	0° <b>≈</b>	
min. Earth dist.	13743 Dec 22 01:57	1° <b>5</b> 24'48	0.51905 AU		13748 Dec 26 00:18	0° <b>)</b> €	
	13743 Dec 26 06:31	30°Ŗ <b>Ⅱ</b>			13749 Feb 12 14:42	$0^{\circ}$ Y	
direct	13744 Jan 21 10:23	25° <b>∏</b> 24'24		evening set	13749 Mar 16 09:36	19° <b>Y</b> ′56′33	
	13744 Feb 17 09:03	0°©		P. 4 F.	13749 Apr 01 05:30	0°8	0 65065 177
asc. node	13744 Mar 05 07:30	6°536'24		max. Earth dist.	13749 Apr 14 06:27	8° <b>8</b> 21'45	2.65265 AU
	13744 Apr 15 21:34	0° <b>N</b>		:	12740 4 20 10.54	100 🗸 11120	1011112
	13744 May 28 22:34 13744 Jul 07 18:58	0ം <b>⊽</b> 0ംൂൂ		conjunction minimum elong	13749 Apr 29 10:54 13749 Apr 29 10:48	18° <b>8</b> 11'38	
	13744 Aug 16 03:13	0° <b>m</b> .		minimum clong	13749 May 17 11:03	0°Ⅱ	1 11 33
	13744 Sep 25 07:44	0° <b>∡</b> 7		morning rise	13749 Jun 13 09:46	17° <b>∏</b> 59'43	
	13744 Nov 06 02:42	0°ਰ			13749 Jul 01 00:54	0.ಪ	
	13744 Dec 19 19:07	0° <b>≈</b>			13749 Aug 12 21:17	0°N	
evening set	13745 Jan 01 17:37	8° <b>≈</b> 39'07			13749 Sep 23 03:17	0° <b>m</b>	
desc. node	13745 Jan 06 02:05	11° <b>≈</b> 32′28		asc. node	13749 Oct 26 12:32	24° <b>m</b> 58'50	
	13745 Feb 03 05:38	0° <b>∀</b>			13749 Nov 02 03:48	0∘ <b>ত</b>	
					13749 Dec 11 16:41	$0^{\circ}$ M	
conjunction	13745 Feb 18 16:54	10° <b>米</b> 00′05			13750 Jan 21 01:22	0° <b>∡</b> ¹	
minimum elong	13745 Feb 18 16:06	9° <b>¥</b> 58'48			13750 Mar 06 01:05	0°ಕ	
max. Earth dist.	13745 Mar 01 11:14		2.66119 AU		13750 May 10 22:29	0° <b>≈</b>	
	13745 Mar 21 23:59	0°Υ •••		retrograde	13750 May 24 23:47	1°≈22'14	
morning rise	13745 Apr 04 07:13	8° <b>Y</b> 25'32		· r d r d	13750 Jun 07 16:30	30°Rる	0.52462.411
	13745 May 08 14:07	0°B 8°0		min. Earth dist.	13750 Jun 25 01:55	24°る47'30 21°る56'57	0.53462 AU 2°37'18
	13745 Jun 25 16:56 13745 Aug 13 13:03	0₀ <b>©</b> 0∘Ш		opposition greatest brilliancy	13750 Jul 02 13:47 13750 Jul 01 21:12	21° <b>6</b> 36'37 22° <b>6</b> 12'40	-2.0m
	13745 Oct 03 07:41	0°€ 0°€		direct	13750 Aug 07 03:02	22 81240 14° <b>る</b> 07'51	-2.0111
	13745 Dec 01 21:13	0° mp		desc. node	13750 Aug 07 03:02 13750 Aug 29 18:15	14 80731 17°る01'22	
retrograde	13746 Jan 13 23:50	9° <b>m</b> ) 49'35		dese. Hode	13750 Oct 05 09:22	0°≈	
asc. node	13746 Jan 21 14:39	9° mg 27'31			13750 Dec 03 06:53	0° <b>)</b> €	
opposition	13746 Feb 13 09:09	4° m) 37'12	1°40'17		13751 Jan 24 02:00	0° <b>Υ</b>	
greatest brilliancy	13746 Feb 13 16:35	4° mp 31'54	-2.9m		13751 Mar 13 20:24	0°8	
min. Earth dist.	13746 Feb 18 21:32	3°m/03'16	0.38495 AU	evening set	13751 Apr 21 19:48	25° <b>8</b> 08'32	
	13746 Mar 03 16:55	$30^{\circ}$ R $\Omega$			13751 Apr 29 03:58	$\Pi^{\circ}0$	
direct	13746 Mar 17 05:56	28° <b>Ω</b> 43'18		max. Earth dist.	13751 May 10 10:05	7° <b>Ⅱ</b> 31'47	2.56752 AU
	13746 Mar 30 19:29	0° <b>m</b>					
	13746 Jun 04 00:22	0∘ <b>⊽</b>		conjunction	13751 Jun 08 03:36	27° <b>Ⅱ</b> 12'11	
	13746 Jul 19 09:01	0°M		minimum elong	13751 Jun 08 05:09	27° <b>Ⅱ</b> 14'54	0°56'49
	13746 Sep 01 02:37	0° <b>∡</b> 7			13751 Jun 12 03:44	0°©	
11-	13746 Oct 15 10:42	0°る			13751 Jul 24 00:18 13751 Jul 30 09:09	0° <b>Ω</b> 4° <b>Ω</b> 41'13	
desc. node	13746 Nov 24 01:21 13746 Nov 29 23:55	26° <b>る</b> 07'59 0°≈		morning rise	13751 Jul 30 09:09 13751 Sep 02 02:18	4°3741°13 0°Mp	
	13740 Nov 29 23:33 13747 Jan 15 15:53	0 <b>∞</b> 0° <b>∺</b>		asc. node	13751 Sep 02 02:18 13751 Sep 13 00:22	8°Mp21'29	
evening set	13747 Feb 09 23:57	16° <b>)</b> €05'45		use. Houe	13751 Oct 10 22:50	0∘ <b>⊽</b>	
	13747 Mar 03 22:58	0° <b>Υ</b>			13751 Nov 18 07:53	0° <b>M</b>	
max. Earth dist.	13747 Mar 23 22:02		2.68453 AU		13751 Dec 27 04:06	0° <b>∡</b> ¹	
					13752 Feb 05 16:54	ರ∘ರ	
conjunction	13747 Mar 26 08:36	14° <b>Y</b> 11'07	-0°57'57		13752 Mar 20 21:45	0° <b>≈</b>	
minimum elong	13747 Mar 26 07:30	14° <b>Y</b> ′09'23	0°58'06		13752 May 14 05:39	0° <b>∀</b>	
	13747 Apr 20 06:02	$9^{\circ}$ 8		retrograde	13752 Jul 01 14:31	12° <b>) (</b> 16′42	
morning rise	13747 May 08 10:25	11° <b>8</b> 36'48		desc. node	13752 Jul 17 03:06	10° <b>¥</b> 38'31	
	13747 Jun 05 23:50	$\Pi$ °0		min. Earth dist.	13752 Aug 07 01:53		0.64082 AU
	13747 Jul 21 20:31	0°©		opposition	13752 Aug 11 03:35	2° <b>)</b> 16'44	
	13747 Sep 04 17:03	0° <b>N</b>		greatest brilliancy	13752 Aug 10 23:31	2° <b>)</b> € 20'45	-1.5m
	13747 Oct 18 15:30	0° <b>m</b> )		direct	13752 Aug 17 00:38	30°R≈ 22°000/51	
ago ma J-	13747 Dec 01 05:26	0° <b>⊽</b>		direct	13752 Sep 19 08:07	23° <b>≈</b> 09'51	
asc. node	13747 Dec 09 17:59	5° <b>ჲ</b> 48'40 0° <b>ጤ</b>			13752 Oct 26 08:53 13752 Dec 31 05:12	0° <b>ℋ</b> 0° <b>Ƴ</b>	
	13748 Jan 15 13:37 13748 Mar 21 06:42	0°IIL 0° <b>ズ</b>			13753 Feb 21 04:27	0°8	
retrograde	13748 Mai 21 00.42 13748 Apr 02 14:59	0 <b>x</b> . 1° <b>x</b> 04'56			13753 Apr 09 09:34	0°II	
- VII O BIUMO	13748 Apr 14 19:05	30°RM			13753 May 23 08:07	0.ಂ ೧ H	
min. Earth dist.	13748 Apr 28 08:26		0.39963 AU	evening set	13753 Jun 03 01:02	7° <b>9</b> 36'16	
				-0			

max. Earth dist.	13753 Jun 17 03:24 13753 Jul 03 16:59	17° <b>©</b> 47′25 0° <b>Ω</b>	2.43843 AU	max. Earth dist. morning rise	13758 Jan 24 13:49 13758 Feb 11 23:46 13758 Mar 01 13:31	5°≈59'00 18°≈23'33 0°¥	2.53795 AU
conjunction	13753 Jul 30 04:24	20° <b>Ω</b> 00'11	-0°00'17	desc. node	13758 Mar 08 07:04	4° <b>)</b> 23'14	
minimum elong	13753 Jul 30 04:25	20°Ω00'14			13758 Apr 17 14:09	0°Υ	
behind sun begin	13753 Jul 29 02:07	19° <b>Ω</b> 09'56			13758 Jun 06 08:13	0°8	
behind sun end	13753 Jul 31 06:43	20° <b>Ω</b> 50'35			13758 Jul 31 08:46	$0^{\circ}\Pi$	
asc. node	13753 Jul 30 13:42	20° <b>Ω</b> 17'57		retrograde	13758 Oct 19 10:04	25° <b>Ⅱ</b> 13'03	
	13753 Aug 12 03:55	0° <b>m</b> p		opposition	13758 Nov 25 11:24	17° <b>Ⅱ</b> 10′23	-4°44'05
	13753 Sep 19 10:40	0∘ <b>⊽</b>		greatest brilliancy	13758 Nov 26 17:57	16° <b>Ⅱ</b> 41'50	
morning rise	13753 Oct 07 07:45	14° <b>≏</b> 08'35		min. Earth dist.	13758 Dec 02 20:06	14° <b>Ⅱ</b> 25'53	0.57042 AU
	13753 Oct 27 09:21	0° <b>M</b> ₊		direct	13759 Jan 04 15:11	7° <b>Ⅱ</b> 34'47	
	13753 Dec 04 21:14	0° <b>∡</b> ¹			13759 Mar 12 21:53	0°©	
	13754 Jan 13 20:17	5°0		asc. node	13759 Mar 22 19:11	5° <b>©</b> 42'19	
	13754 Feb 25 06:30	0° <b>≈</b> 0° <b>∀</b>			13759 Apr 29 02:02	0° <b>Ω</b> 0° <b>m</b>	
desc. node	13754 Apr 12 15:07 13754 Jun 04 04:51	0 <del>X</del> 28° <b>¥</b> 47'57			13759 Jun 09 02:28 13759 Jul 18 01:38	0∘ <b>रु</b> ० औ	
desc. node	13754 Jun 06 18:58	28 <b>Λ</b> 4/3/			13759 Aug 25 19:06	0° <b>™</b>	
retrograde	13754 Aug 04 21:13	16° <b>Ƴ</b> 04'47			13759 Oct 04 10:23	0° <b>⊼</b> ¹	
opposition	13754 Sep 14 14:42	6° <b>Υ</b> 18'54	-3°22'04		13759 Nov 14 16:51	0°ਰ	
min. Earth dist.	13754 Sep 14 08:29		0.68484 AU	evening set	13759 Dec 15 23:01	21° <b>ට</b> 49'38	
greatest brilliancy	13754 Sep 14 12:34	6° <b>Y</b> 21′00	-1.3m	Č	13759 Dec 27 22:28	0° <b>≈</b>	
· ·	13754 Oct 02 04:37	30° <b>₹</b> ₩		desc. node	13760 Jan 23 19:26	18° <b>≈</b> 00'14	
direct	13754 Oct 25 18:22	26° <b>∺</b> 31′05					
	13754 Nov 20 06:51	$0^{\circ}\Upsilon$		conjunction	13760 Feb 04 13:58	25° <b>≈</b> 45'32	-0°06'44
	13755 Jan 28 21:13	$0^{\circ}S$		minimum elong	13760 Feb 04 13:43	25° <b>≈</b> 45′08	0°06'04
	13755 Mar 20 03:04	$\Pi$ °0		behind sun begin	13760 Feb 03 19:00	25° <b>≈</b> 14'26	
	13755 May 03 19:38	0°99		behind sun end	13760 Feb 05 08:27	26°≈15'49	
_	13755 Jun 14 04:09	0° <b>Ω</b>			13760 Feb 11 01:35	0° <b>∀</b>	
asc. node	13755 Jun 17 08:23	2° <b>Ω</b> 22'49		max. Earth dist.	13760 Feb 21 09:41	6°¥43′06	2.63705 AU
avanina aat	13755 Jul 23 08:56	0° Mp 8° Mp 13'43		morning rise	13760 Mar 21 17:24	25° <b>¥</b> 31'52 0° <b>Ƴ</b>	
evening set	13755 Aug 02 21:05 13755 Aug 30 09:50	% <del>ए</del> % ।ो() 13 43			13760 Mar 28 18:21 13760 May 15 16:05	0°8	
	13755 Oct 07 05:50	o <u>−</u> o∘n∟			13760 Jul 03 18:33	0°II	
	13733 Oct 07 03.30	O IIG			13760 Aug 24 00:45	0°©	
conjunction	13755 Oct 14 08:25	5°M35'41	1°04'08		13760 Oct 21 14:41	0°N	
minimum elong	13755 Oct 14 06:14	5°M31'22	1°04'39	retrograde	13760 Dec 14 22:57	13° <b>Ω</b> 58'35	
	13755 Nov 14 18:33	0° <b>∡</b> 7		opposition	13761 Jan 16 07:33	7° <b>Ω</b> 52'47	-1°25'32
max. Earth dist.	13755 Dec 07 04:32	16° <b>∡</b> 758′23	2.39801 AU	greatest brilliancy	13761 Jan 16 20:45	7° <b>Ω</b> 42'12	-2.6m
morning rise	13755 Dec 23 02:52	28° <b>х</b> 46′13		min. Earth dist.	13761 Jan 24 14:10	5° <b>Ω</b> 14'05	0.43169 AU
	13755 Dec 24 19:10	ರ°0		asc. node	13761 Feb 07 05:19	1° <b>Ω</b> 45'07	
	13756 Feb 04 23:35	0° <b>≈</b>		direct	13761 Feb 20 12:49	0° <b>Ω</b> 29'45	
	13756 Mar 20 21:26	0° <b>∀</b>			13761 May 06 18:10	0° <b>m</b> )	
desc. node	13756 Apr 20 20:14	19° <b>¥</b> 26′08			13761 Jun 19 19:09	0∘ <b>ত</b>	
	13756 May 08 11:53	0° <b>Υ</b>			13761 Jul 31 05:49	0° <b>M</b>	
. 1	13756 Jul 03 15:52	0°8			13761 Sep 10 22:29	0° <b>∡</b> ¹	
retrograde opposition	13756 Sep 08 01:24 13756 Oct 17 15:58	18° <b>8</b> 45'16 9° <b>8</b> 36'58	4944!01		13761 Oct 23 22:22 13761 Dec 07 13:24	0° <b>る</b> 0°≈	
greatest brilliancy	13756 Oct 17 15.38 13756 Oct 18 05:14	9° <b>8</b> 24'03		desc. node	13761 Dec 07 13.24 13761 Dec 10 14:00	0 ∞ 1°≈59'46	
min. Earth dist.	13756 Oct 21 06:58		0.66120 AU	dese. Hode	13762 Jan 22 15:08	0° <b>∺</b>	
mm. Earth dist.	13756 Nov 20 02:09	30°RY	0.00120710	evening set	13762 Jan 26 12:20	2° <b>)</b> 29'43	
direct	13756 Nov 28 06:11	29° <b>Ƴ</b> 34'34			13762 Mar 10 15:29	0°Υ	
	13756 Dec 06 15:34	0°B					
	13757 Feb 22 07:00	$\Pi^{\circ}0$		conjunction	13762 Mar 12 20:07	1° <b>Y</b> 23'30	-0°47'00
	13757 Apr 11 05:05	0ංම		minimum elong	13762 Mar 12 18:57	1° <b>Y</b> 21'40	0°46'54
asc. node	13757 May 04 10:06	16°909'21		max. Earth dist.	13762 Mar 15 06:42	2° <b>Y</b> 56′25	2.68208 AU
	13757 May 23 10:34	$0^{\circ}\Omega$		morning rise	13762 Apr 25 02:58	28° <b>Y</b> 49'31	
	13757 Jul 01 20:47	0° <b>m</b> )			13762 Apr 26 23:26	0° <b>8</b>	
	13757 Aug 09 00:13	0∘ <b>亚</b>			13762 Jun 13 02:55	0°II	
	13757 Sep 16 00:48	0°M			13762 Jul 29 20:13	0° <b>©</b>	
evening set	13757 Oct 18 09:20	25°M02'49			13762 Sep 14 03:50	0° <b>Ω</b>	
	13757 Oct 24 21:34	0°⊀ 0°=			13762 Oct 30 12:37	0° <b>™</b>	
	13757 Dec 04 08:11	0°ಕ		asc. node	13762 Dec 17 21:24 13762 Dec 26 09:42	0° <b>죠</b> 4° <b>쇼</b> 53'38	
conjunction	13757 Dec 20 01:47	11° <b>る</b> 17'14	0°43'03	retrograde	13762 Dec 26 09:42 13763 Mar 06 05:17	4° <b>2</b> 233′38 29° <b>2</b> 31′51	
minimum elong	13757 Dec 20 01:47 13757 Dec 20 03:56	11°る21'03		min. Earth dist.	13763 Apr 02 10:04	25° <b>⊆</b> 08'50	0.36765 AU
	13758 Jan 15 20:04	0°≈	500	opposition	13763 Apr 02 10:04 13763 Apr 05 13:05	24° <b>£</b> 17'57	
	20.01			rr	-rrs- 15.00		· · · ·

greatest brilliancy direct	13763 Apr 04 18:54 13763 May 04 15:01	24° <b>£</b> 30'18 19° <b>£</b> 26'21	-3.0m	conjunction minimum elong	13768 Jul 07 01:09 13768 Jul 07 02:47	27° <b>©</b> 06'19 27° <b>©</b> 09'19	
	13763 Jun 16 17:56 13763 Aug 11 19:54	0° <b>M</b> 0° <b>∡</b> 1		asc. node	13768 Jul 10 23:10 13768 Aug 16 08:50	0° <b>Ω</b> 27° <b>Ω</b> 28'55	
	13763 Sep 29 14:57	0°ਤ		ase. node	13768 Aug 19 15:25	0° <b>m</b> )	
desc. node	13763 Oct 28 17:46	18° <b>ට</b> 13'45		morning rise	13768 Sep 06 14:01	13° m 54'35	
	13763 Nov 16 12:50	0° <b>≈</b>			13768 Sep 27 02:49	0∘ <b>⊽</b>	
	13764 Jan 03 12:53	0° <b>∀</b>			13768 Nov 04 04:23	0° <b>M</b> ₊	
	13764 Feb 20 12:03	$0$ ° $\Upsilon$		greatest brilliancy	13768 Dec 01 18:09	21°M32'10	1.2m
evening set	13764 Mar 02 19:05	7° <b>Y</b> 06′03			13768 Dec 12 17:47	0° <b>∡</b> ¹	
max. Earth dist.	13764 Apr 05 11:54		2.67152 AU		13769 Jan 21 18:53	0°ප	
	13764 Apr 07 22:10	$9^{\circ}$ 8			13769 Mar 05 13:19	0° <b>≈</b>	
	12764 4 15 14 20	40 0 5 415 4	1000150	1 1	13769 Apr 22 08:12	0° <b>)</b> {	
conjunction minimum elong	13764 Apr 15 14:29 13764 Apr 15 13:53	4° <b>8</b> 54'54 4° <b>8</b> 53'56		desc. node	13769 Jun 20 18:42 13769 Jun 27 18:59	27° <b>¥</b> 57'14 0° <b>Ƴ</b>	
minimum ciong	13764 May 24 06:57	4 <b>O</b> 33 30	1 0929	retrograde	13769 Jul 22 16:43	3° <b>Υ</b> 31'38	
morning rise	13764 May 29 08:35	3° <b>Ⅱ</b> 19'53		retrograde	13769 Aug 14 23:15	30° <b>R</b> ₩	
morning not	13764 Jul 08 06:32	0°9		min. Earth dist.	13769 Aug 30 18:22		0.67561 AU
	13764 Aug 20 17:39	$0^{\circ}\Omega$		opposition	13769 Sep 01 12:43	23° <b>)</b> (36′51	
	13764 Oct 01 17:57	0° m/y		greatest brilliancy	13769 Sep 01 07:36	23° <b>)</b> 41′55	-1.3m
	13764 Nov 11 15:14	0∘ <b>⊽</b>		direct	13769 Oct 12 02:24	14° <b>)</b> €01'42	
asc. node	13764 Nov 12 06:30	0° <b>≏</b> 28'15			13769 Dec 11 15:31	$0^{\circ}$ $\Upsilon$	
	13764 Dec 22 05:46	0°M₊			13770 Feb 07 09:04	$9^{\circ}$ 8	
	13765 Feb 02 11:23	0° <b>∡</b> ¹			13770 Mar 28 00:19	$\Pi$ °0	
	13765 Mar 25 04:56	0°ಕ			13770 May 11 07:11	0ංම	
retrograde	13765 May 06 23:46	11° <b>る</b> 19'09			13770 Jun 21 14:37	0° <b>Ω</b>	
min. Earth dist.	13765 Jun 04 16:22	5°る37'43	0.48067 AU	asc. node	13770 Jul 04 00:27	9° <b>Ω</b> 20'37	
opposition	13765 Jun 12 23:05	2°る38'40	4°21'25	evening set	13770 Jul 07 03:59	11° <b>Ω</b> 44'07	
greatest brilliancy	13765 Jun 11 17:26	3°る05'28 30°Ŗダ	-2.3m	may Earth dist	13770 Jul 30 21:03	0°Mp 19°Mp48'21	2 26200 ATT
direct	13765 Jun 20 16:11 13765 Jul 16 13:23	30 KX. 25° ₹ 36'07		max. Earth dist.	13770 Aug 25 02:37 13770 Sep 06 23:35	0° <b>⊽</b>	2.36388 AU
direct	13765 Aug 13 13:32	23 <b>x</b> 3007			13770 Sep 00 23.33	0 ==	
desc. node	13765 Sep 15 04:32	12° <b>ろ</b> 30'03		conjunction	13770 Sep 12 16:29	4° <b>£</b> 31'36	0°46'13
dese. Hode	13765 Oct 20 03:49	0°≈		minimum elong	13770 Sep 12 12:28	4° <b>£</b> 23'37	0°46'10
	13765 Dec 12 09:55	0° <b>)</b> €			13770 Oct 14 19:50	0° <b>M</b>	
	13766 Jan 31 13:59	$0^{\circ}\mathbf{\Upsilon}$			13770 Nov 22 07:15	0° <b>∡</b> 7	
	13766 Mar 20 18:40	$9^{\circ}$ 8		morning rise	13770 Nov 26 01:01	2° <b>∡</b> 751'58	
evening set	13766 Apr 07 05:26	11° <b>8</b> 10'14			13771 Jan 01 05:47	0°ರ	
max. Earth dist.	13766 Apr 29 11:44	25° <b>8</b> 41'19	2.60696 AU		13771 Feb 12 09:44	0° <b>≈</b>	
	13766 May 06 00:10	$\Pi$ $^{\circ}$ 0			13771 Mar 29 14:47	0° <b>∀</b>	
		_		desc. node	13771 May 08 14:28	24° <b>¥</b> 19'55	
conjunction	13766 May 22 17:46	11° <b>I</b> I1'54			13771 May 18 14:08	0° <b>Υ</b>	
minimum elong	13766 May 22 18:42	11° <b>Ⅱ</b> 13′29	1°06'52	. 1	13771 Jul 22 13:03	0° <b>8</b>	
morning rise	13766 Jun 19 04:29 13766 Jul 10 04:47	0°© 14° <b>©</b> 46'23		retrograde	13771 Aug 25 22:44 13771 Sep 26 08:49	6° <b>႘</b> 04'30 30°ℝ <b>ϒ</b>	
morning rise	13766 Jul 31 09:00	14 ≥940 23 0° <b>Ω</b>		opposition	13771 Sep 26 08.49 13771 Oct 05 03:58	26° <b>Y</b> 38'49	<b>/</b> °10'/0
	13766 Sep 09 20:09	0° <b>m</b> )		greatest brilliancy	13771 Oct 05 05:38 13771 Oct 05 10:14	26° <b>Υ</b> 32'40	-4 1949 -1.3m
asc. node	13766 Sep 29 21:24	15° <b>m</b> ) 15'13		min. Earth dist.	13771 Oct 07 06:23	25° <b>Y</b> 49'21	0.67874 AU
	13766 Oct 19 01:10	0∘ <b>⊽</b>		direct	13771 Nov 15 19:06	16° <b>Ƴ</b> 38'38	
	13766 Nov 26 17:31	0° <b>M</b> .			13772 Jan 08 01:39	0°8	
	13767 Jan 04 21:47	0° <b>∡</b> ¹			13772 Mar 04 15:58	$\mathfrak{I}^{\circ}$	
	13767 Feb 15 01:58	0°ರ			13772 Apr 19 18:49	0ංම	
	13767 Apr 02 09:08	0° <b>≈</b>		asc. node	13772 May 21 01:05	22°515'36	
retrograde	13767 Jun 18 11:11	27° <b>≈</b> 51'38			13772 May 31 12:24	$0^{\circ}\Omega$	
min. Earth dist.	13767 Jul 23 00:16	20° <b>≈</b> 05'54	0.60616 AU		13772 Jul 09 18:47	0° <b>m</b> )	
opposition	13767 Jul 28 12:27	17°≈56'14	0°15'13		13772 Aug 16 19:56	0° <b>⊽</b>	
greatest brilliancy	13767 Jul 28 11:16	17°≈57'24	-1.7m	greatest brilliancy	13772 Sep 11 20:43	20° <b>₽</b> 38'28	1.1m
desc. node direct	13767 Aug 03 14:33	15°≈36'22 9°≈13'55		evening set	13772 Sep 18 21:19	26° <b>£</b> 11′23 0° <b>I</b> L	
uncci	13767 Sep 04 12:19 13767 Nov 14 11:33	9° <b>€</b> 13′33			13772 Sep 23 17:26 13772 Nov 01 09:45	0°แเ 0° <b>҂</b> ี	
	13768 Jan 10 10:44	0° <b>Υ</b>			13/12 NOV 01 09.43	υ <b>Χ</b> .	
	13768 Feb 29 18:19	0°8		conjunction	13772 Nov 26 22:21	19° <b>∡</b> 12'00	0°59'06
	13768 Apr 16 12:19	0°II		minimum elong	13772 Nov 27 00:38	19° <b>х</b> 12'00	1°00'06
evening set	13768 May 15 20:49	19° <b>Ⅱ</b> 51'13		>	13772 Dec 11 15:04	0° <b>ਰ</b>	* *
max. Earth dist.	13768 May 30 04:50		2.49279 AU	max. Earth dist.	13773 Jan 10 08:07		2.48618 AU
	13768 May 30 10:23	0ංම			13773 Jan 22 22:18	0° <b>≈</b>	
				morning rise	13773 Jan 25 02:58	1° <b>≈</b> 30'45	

	13773 Mar 08 14:55	0° <b>∀</b>		direct	13778 Apr 02 10:05	16° Mp 57'17	
desc. node	13773 Mar 25 01:54	10° <b>)</b> 37′46			13778 May 19 14:39	0∘ <b>⊽</b>	
	13773 Apr 25 00:22	$0$ ° $\Upsilon$			13778 Jul 10 08:11	0° <b>M</b>	
	13773 Jun 15 05:25	$_{0\circ}$ 8			13778 Aug 25 02:51	0° <b>∡</b> ¹	
	13773 Aug 16 03:36	$\Pi^{\circ}$			13778 Oct 09 12:58	0°ರ	
retrograde	13773 Oct 02 02:31	10° <b>Ⅲ</b> 23'15		desc. node	13778 Nov 14 05:59	23°る14'33	
opposition	13773 Nov 09 09:05	1° <b>I</b> I50'15	1057126	desc. node	13778 Nov 24 17:44	0° <b>≈</b>	
		1° <b>II</b> 26'36				0° <b>∺</b>	
greatest brilliancy	13773 Nov 10 09:50		-1.3111		13779 Jan 10 19:06		
	13773 Nov 14 04:28	30° <b>₹</b> 8		evening set	13779 Feb 18 00:29	24° <b>)</b> €08'58	
min. Earth dist.	13773 Nov 15 08:14	29° <b>8</b> 33'44	0.61388 AU		13779 Feb 27 06:57	0° <b>Υ</b>	
direct	13773 Dec 20 09:33	21° <b>8</b> 56'30		max. Earth dist.	13779 Mar 28 21:46	18° <b>Ƴ</b> 44'27	2.68215 AU
	13774 Jan 27 16:15	$\Pi^{\circ}0$					
	13774 Mar 25 23:50	$0$ $\circ$ $\odot$		conjunction	13779 Apr 03 01:23	22° <b>Y</b> ′00'44	-1°03'01
asc. node	13774 Apr 08 07:46	8° <b>©</b> 37'00		minimum elong	13779 Apr 03 00:25	21° <b>Y</b> ′59'13	1°03'18
	13774 May 09 03:02	$0^{\circ}\Omega$		Ç	13779 Apr 15 14:30	0° <b>႘</b>	
	13774 Jun 18 05:23	0° m)		morning rise	13779 May 16 05:40	19° <b>8</b> 39'14	
	13774 Jul 26 17:19	0∘ <del>ত</del> الم		morning risc	13779 Jun 01 04:42	0°П	
	13774 Sep 03 01:29	0° <b>M</b> ₊			13779 Jul 16 17:10	0°99	
	13774 Oct 12 07:08	0° <b>∡</b> 7			13779 Aug 30 00:17	$0^{\circ}\Omega$	
	13774 Nov 22 03:39	0°₹			13779 Oct 12 03:09	0° <b>m</b> )	
evening set	13774 Nov 25 18:31	2° <b>る</b> 35'28			13779 Nov 23 10:43	0∘ <b>⊽</b>	
	13775 Jan 04 00:19	0° <b>≈</b>		asc. node	13779 Nov 30 01:01	4° <b>≙</b> 41'04	
					13780 Jan 05 05:26	0° <b>M</b>	
conjunction	13775 Jan 19 03:04	10°≈14'51	0°12'20		13780 Feb 22 01:02	0° <b>∡</b> ¹	
minimum elong	13775 Jan 19 03:39	10° <b>≈</b> 15'51	0°13'12	retrograde	13780 Apr 16 02:34	17° <b>∡</b> 13'59	
behind sun begin	13775 Jan 18 15:41	9° <b>≈</b> 55'44	0 13 12	min. Earth dist.	13780 May 12 14:26	12° <b>×</b> <sup>7</sup> 26'08	0.42615 AU
_					•		
behind sun end	13775 Jan 19 15:38	10°≈35'59		greatest brilliancy	13780 May 19 01:38	10° <b>₹</b> 19'00	-2.6m
desc. node	13775 Feb 09 12:13	24° <b>≈</b> 28'59		opposition	13780 May 20 16:24	9° <b>∡</b> ¹46'54 −	6°01'30
max. Earth dist.	13775 Feb 11 15:09	25° <b>≈</b> 52'52	2.60447 AU	direct	13780 Jun 21 05:09	3° <b>∡</b> ′41′04	
	13775 Feb 17 21:47	0° <b>ℋ</b>			13780 Sep 07 12:18	0°₹	
morning rise	13775 Mar 08 13:23	12° <b>)</b> €06′24		desc. node	13780 Oct 01 13:40	13° <b>る</b> 00'29	
	13775 Apr 05 15:03	$0^{\circ}\mathbf{\Upsilon}$			13780 Oct 31 06:27	0° <b>≈</b>	
	13775 May 24 00:22	0°8			13780 Dec 20 16:44	0° <b>∀</b>	
	13775 Jul 13 13:31	0°II			13781 Feb 07 18:42	$0^{\circ}\Upsilon$	
	13775 Sep 07 05:43	0°©		evening set	13781 Mar 24 05:27	27° <b>Υ</b> ′51'55	
retrograde	13775 Nov 20 15:26	22°9549'56		evening set	13781 Mar 27 13:56	0° <b>8</b>	
•			2021141			_	2 (2046 ATT
opposition	13775 Dec 25 02:58	15° <b>©</b> 51'15		max. Earth dist.	13781 Apr 19 14:23	14° <b>0</b> 4/3/	2.63846 AU
greatest brilliancy	13775 Dec 26 07:51	15° <b>©</b> 26'06	-2.2m				
min. Earth dist.	13776 Jan 02 21:10	12° <b>©</b> 49'01	0.48800 AU	conjunction	13781 May 07 15:32	26° <b>8</b> 35'32	-1°10'39
direct	13776 Jan 31 21:22	7° <b>©</b> 17'34		minimum elong	13781 May 07 15:49	26° <b>8</b> 35'59	1°11'28
asc. node	13776 Feb 24 16:42	11° <b>©</b> 01'22			13781 May 12 19:26	$\Pi^{\circ}0$	
	13776 Apr 06 01:23	$0^{\circ}\Omega$		morning rise	13781 Jun 22 14:33	27° <b>Ⅱ</b> 29'46	
	13776 May 21 16:15	0° <b>m</b> )		C	13781 Jun 26 05:52	0°ಅ	
	13776 Jul 01 10:25	0∘ <u>v</u>			13781 Aug 07 20:22	0°N	
	13776 Aug 10 07:03	0° <b>M</b>			13781 Sep 17 19:11	0° <b>m</b> )	
	•	0° <b>⊼</b>		1-		21°Mp46'15	
	13776 Sep 19 21:02			asc. node	13781 Oct 16 16:46		
	13776 Oct 31 23:51	5°0			13781 Oct 27 11:58	0∘ <b>亚</b>	
	13776 Dec 14 22:20	0° <b>≈</b>			13781 Dec 05 15:49	0° <b>™</b>	
desc. node	13776 Dec 27 05:16	8° <b>≈</b> 10'55			13782 Jan 14 10:46	0° <b>∡</b>	
evening set	13777 Jan 11 01:40	17° <b>≈</b> 58′05			13782 Feb 25 22:29	0°₹	
	13777 Jan 29 12:50	0° <b>∀</b>			13782 Apr 18 20:42	0° <b>≈</b>	
				retrograde	13782 Jun 03 06:09	11° <b>≈</b> 51'34	
conjunction	13777 Feb 26 22:03	18° <b>¥</b> 15'37	-0°33'16	min. Earth dist.	13782 Jul 05 15:11	4° <b>≈</b> 49'56	0.56228 AU
minimum elong	13777 Feb 26 21:03	18° <b>)</b> 14′00		opposition	13782 Jul 12 11:39	2° <b>≈</b> 11'32	1°41'55
max. Earth dist.	13777 Mar 06 15:21	23° <del>X</del> 11'21	2.67084 AU	greatest brilliancy	13782 Jul 12 01:45	2°≈21'04	
max, Barm uist.		23 <del>Υ</del> 1121 0° <b>Υ</b>	2.07004 AU	greatest oriniancy		2 ≈21 04 30°Rる	11.0111
	13777 Mar 17 08:16			1:	13782 Jul 18 07:54		
morning rise	13777 Apr 11 21:53	16° <b>Y</b> 11'39		direct	13782 Aug 18 00:08	24°る01'04	
	13777 May 03 19:09	0°₽		desc. node	13782 Aug 20 01:08	24° <b>る</b> 02'37	
	13777 Jun 20 12:11	$\Pi$ °0			13782 Sep 20 20:30	0° <b>≈</b>	
	13777 Aug 07 10:22	$0$ $\circ$ $\odot$			13782 Nov 26 13:40	0° <b>)</b>	
	13777 Sep 25 02:05	$0^{\circ}\Omega$			13783 Jan 18 18:31	$0^{\circ}$ $\Upsilon$	
	13777 Nov 15 16:58	0° <b>m</b> )			13783 Mar 09 00:42	0° <b>႘</b>	
asc. node	13778 Jan 12 00:12	24° m/28'27			13783 Apr 24 12:04	0°II	
retrograde	13778 Feb 01 15:33	27° mg 03'47		evening set	13783 Apr 30 11:55	3° <b>∏</b> 59'35	
opposition	13778 Mar 03 04:30	22° m) 09'57	3°43'08	max. Earth dist.	13783 May 17 05:06	15° <b>Ⅱ</b> 17'11	2.54268 AU
		-		max. Larm tist.	•		2.37200 AU
greatest brilliancy	13778 Mar 03 11:15	22° m 05'26	-3.0m		13783 Jun 07 11:39	0ං <b>ව</b>	
min. Earth dist.	13778 Mar 06 00:40	21° <b>m</b> 24'14	0.36903 AU				

conjunction	13783 Jun 18 05:23	7° <b>©</b> 34'31		greatest brilliancy	13788 Oct 26 08:54	17° <b>8</b> 28'31	
minimum elong	13783 Jun 18 07:10	7° <b>©</b> 37'42	0°48'17	min. Earth dist.	13788 Oct 30 02:54	16° <b>8</b> 01'27	0.64723 AU
	13783 Jul 19 05:39	$0 {\circ} \Omega$		direct	13788 Dec 06 03:29	7° <b>8</b> 43'55	
morning rise	13783 Aug 12 06:38	17° <b>Ω</b> 55'11			13789 Feb 14 09:06	$\Pi$ $^{\circ}0$	
	13783 Aug 28 04:08	0° <b>m</b> p			13789 Apr 05 06:57	$0$ $\circ$ $\odot$	
asc. node	13783 Sep 03 05:55	4° m 39'30		asc. node	13789 Apr 24 19:47	13° <b>©</b> 19'23	
	13783 Oct 05 21:07	0∘ <u>⊽</u>			13789 May 18 01:14	$0^{\circ}\Omega$	
	13783 Nov 13 02:44	0°M			13789 Jun 26 16:07	0° m/	
	13783 Dec 21 19:19	0° <b>⊼</b>			13789 Aug 03 21:56	0∘ <del>⊽</del>	
	13784 Jan 31 01:44	0°පි			13789 Sep 11 00:24	o° <b>m</b>	
	13784 Mar 14 12:31	0°≈			13789 Oct 19 23:21	0° <b>⊼</b>	
		0 ≈ 0° <b>)</b>				0 <b>x</b> . 10° <b>x</b> 01'35	
	13784 May 04 04:47			evening set	13789 Nov 02 07:41		
desc. node	13784 Jul 07 08:17	20° <b>)</b> (30′14			13789 Nov 29 12:31	0°ಕ	
retrograde	13784 Jul 09 09:19	20° <b>∺</b> 31′52					
min. Earth dist.	13784 Aug 15 20:39	11° <b>)</b> 49'31		conjunction	13789 Dec 31 15:50	22°る47'02	0°32'07
opposition	13784 Aug 19 02:35	10° <b>)</b> 32′23	-1°37'04	minimum elong	13789 Dec 31 17:27	22° <b>る</b> 49'51	0°33'07
greatest brilliancy	13784 Aug 18 21:08	10° <b>)</b> 37′47	-1.4m		13790 Jan 11 02:19	0° <b>≈</b>	
direct	13784 Sep 27 20:33	1° <b>) (</b> 14′03		max. Earth dist.	13790 Jan 31 12:30	13° <b>≈</b> 52'30	2.56382 AU
	13784 Dec 24 07:39	$0^{\circ}\mathbf{\Upsilon}$		morning rise	13790 Feb 21 06:57	27° <b>≈</b> 40'31	
	13785 Feb 15 20:04	0°8		•	13790 Feb 24 19:58	0° <b>₩</b>	
	13785 Apr 04 12:20	0° <b>Ⅱ</b>		desc. node	13790 Feb 26 08:17	0° <b>¥</b> 59′27	
	13785 May 18 14:15	0ಂತಾ			13790 Apr 12 16:07	0° <b>Υ</b>	
evening set	13785 Jun 14 08:49	19° <b>©</b> 13'21			13790 May 31 18:51	0°8	
evening set	13785 Jun 28 23:06	0°Ω			13790 Jul 23 15:14	0°II	
max. Earth dist.			2.40848 AU		13790 Sep 29 16:01	0ಂ <b>ತಾ</b>	
	13785 Jun 30 16:52		2.40040 AU	. 1	•		
asc. node	13785 Jul 20 19:55	16° <b>Ω</b> 29'59		retrograde	13790 Oct 30 04:42	4°952'54	
	13785 Aug 07 08:47	0° <b>m</b>			13790 Nov 27 09:12	30°RⅡ	100 1100
				opposition	13790 Dec 05 11:00	27° <b>Ⅱ</b> 10'19	
conjunction	13785 Aug 13 22:47	5° Mp 07′08		greatest brilliancy	13790 Dec 06 19:02	26° <b>Ⅱ</b> 40'57	
minimum elong	13785 Aug 13 21:16	5° Mp 04'10	0°16'25	min. Earth dist.	13790 Dec 13 11:46		0.54297 AU
	13785 Sep 14 14:05	0∘ <b>⊽</b>		direct	13791 Jan 13 23:14	17° <b>Ⅱ</b> 50'55	
	13785 Oct 22 11:25	0°M₊			13791 Mar 01 09:29	$0$ $\circ$ $\odot$	
morning rise	13785 Oct 25 13:49	2°M26'42		asc. node	13791 Mar 13 05:37	5° <b>©</b> 52'29	
	13785 Nov 29 22:11	0° <b>∡</b> ¹			13791 Apr 21 21:49	$0^{\circ}\Omega$	
	13786 Jan 08 19:42	0°る			13791 Jun 02 22:17	0° <b>m</b> y	
	13786 Feb 20 01:19	0° <b>≈</b>			13791 Jul 12 08:12	0∘ <b>⊽</b>	
	13786 Apr 06 19:31	0° <b>∀</b>			13791 Aug 20 08:33	0° <b>M</b>	
desc. node	13786 May 25 06:29	27° <b>)</b> 57'14			13791 Sep 29 05:36	0° <b>∡</b> ¹	
	13786 May 29 05:48	0°Υ			13791 Nov 09 17:26	8°0	
retrograde	13786 Aug 12 10:55	23° <b>Υ</b> 40'48			13791 Dec 23 03:24	0° <b>≈</b>	
opposition	13786 Sep 22 01:44	14° <b>Υ</b> 01'11	3°46'00	evening set	13791 Dec 26 06:47	2° <b>≈</b> 07'11	
	13786 Sep 22 02:09	14° <b>Υ</b> '00'46	-1.2m	desc. node	13791 Dec 20 00:47 13792 Jan 13 21:09	2 <b>≈</b> 07 11 14° <b>≈</b> 33'05	
greatest brilliancy min. Earth dist.		14 Y 00 40 13° <b>Υ</b> 47'21	0.68563 AU	desc. Hode	13792 Jan 13 21:09 13792 Feb 06 09:26	0° <b>)</b>	
	13786 Sep 22 15:46		0.08303 AU		13/92 Feb 00 09.20	0 70	
direct	13786 Nov 02 11:15	4° <b>Υ</b> 07'46			12702 F 1 12 07 42	401/20112	0017107
	13787 Jan 21 17:58	0°8		conjunction	13792 Feb 13 07:43	4° <b>)</b> (30′13	
	13787 Mar 14 14:55	$\Pi^{\circ}0$		minimum elong	13792 Feb 13 07:06	4° <b>)</b> 29′14	
_	13787 Apr 28 18:19	0°©		max. Earth dist.	13792 Feb 26 19:13		2.65143 AU
asc. node	13787 Jun 07 15:27	28°5547'59			13792 Mar 24 02:05	0° <b>Υ</b>	
	13787 Jun 09 06:03	$0$ $^{\circ}$ $\Omega$		morning rise	13792 Mar 29 12:50	3° <b>Y</b> 27'14	
	13787 Jul 18 11:35	0° <b>m</b> ∕			13792 May 10 18:37	$9^{\circ}$ 8	
evening set	13787 Aug 19 14:43	25° Mp 18′22			13792 Jun 28 06:28	$\Pi^{\circ}0$	
	13787 Aug 25 12:41	0∘ <b>⊽</b>			13792 Aug 16 23:45	$0$ $\circ$ $\odot$	
	13787 Oct 02 08:57	0°M₊			13792 Oct 09 02:37	$0^{\circ}\Omega$	
				retrograde	13792 Dec 31 04:45	28° <b>Ω</b> 23'21	
conjunction	13787 Oct 31 10:33	22°M42'09	1°06'34	asc. node	13793 Jan 28 13:15	23°Ω40'15	
minimum elong	13787 Oct 31 10:36	22°M42'13	1°07'20	opposition	13793 Jan 31 10:58	22°Ω48'16	0°12'17
giii ÇiQiig	13787 Nov 09 22:19	0° <b>×</b> 7	. 0, 20	greatest brilliancy	13793 Jan 31 10:38 13793 Oct 11 17:27	25° <b>×</b> <sup>7</sup> 25'46	0.7m
	13787 Dec 19 23:39	0°⋜		min. Earth dist.		$20^{\circ} \Omega 40'41$	0.40377 AU
may F-4l- 1' (			2 42020 411		13793 Feb 07 13:10		0.403// AU
max. Earth dist.	13787 Dec 23 01:43	2°る15'10	2.42930 AU	direct	13793 Mar 05 20:04	16° <b>Ω</b> 14'16	
morning rise	13788 Jan 05 09:12	11° <b>る</b> 52'03			13793 Apr 22 15:37	0° <b>m</b> )	
	13788 Jan 31 03:33	0° <b>≈</b>			13793 Jun 11 01:06	0∘ <b>⊽</b>	
_	13788 Mar 15 21:28	0° <b>∀</b>			13793 Jul 24 04:52	0° <b>™</b>	
desc. node	13788 Apr 10 21:11	16° <b>)</b> 32'35			13793 Sep 04 20:01	0° <b>∡</b>	
	13788 May 02 21:16	$0^{\circ}$ Y			13793 Oct 18 11:09	0°ප	
	13788 Jun 25 12:57	$9^{\circ}$ 8		desc. node	13793 Nov 30 18:36	28° <b>る</b> 51'17	
retrograde	13788 Sep 16 10:11	26° <b>8</b> 42'33			13793 Dec 02 12:30	0° <b>≈</b>	
opposition	13788 Oct 25 15:28	17° <b>8</b> 45'25	-4°52'57		13794 Jan 17 20:58	0° <b>∀</b>	

evening set	13794 Feb 03 20:24	10° <b>¥</b> 50'25			13799 Mar 25 18:03	0° <b>≈</b>	
C	13794 Mar 06 00:28	$0^{\circ}$ Y			13799 May 23 09:55	0° <b>∀</b>	
				retrograde	13799 Jun 26 15:29	6° <b>)</b> 44′26	
conjunction	13794 Mar 20 13:43	9° <b>Ƴ</b> 13'19		desc. node	13799 Jul 24 19:36	1° <b>∺</b> 25'39	
minimum elong	13794 Mar 20 12:34	9° <b>Y</b> 11'30			13799 Jul 28 17:02	30°R <b>≈</b>	
max. Earth dist.	13794 Mar 20 06:10	9° <b>Υ</b> 01'23	2.68450 AU	min. Earth dist.	13799 Aug 01 07:00	28°≈37'07	
	13794 Apr 22 07:43	0° <b>と</b> 6° <b>と</b> 35'45		opposition	13799 Aug 06 00:04	26°≈45'38	
morning rise	13794 May 02 16:30 13794 Jun 08 05:57	6° <b>О</b> 35'45 0° <b>П</b>		greatest brilliancy direct	13799 Aug 05 21:46 13799 Sep 13 16:39	26°≈47'54 17°≈48'53	-1.6m
	13794 Jul 24 11:27	0 0 0		direct	13799 Nov 04 05:02	0° <b>∺</b>	
	13794 Sep 07 22:18	0° <b>U</b>			13800 Jan 04 09:20	0° <b>Υ</b>	
	13794 Oct 22 18:37	0° m)			13800 Feb 24 15:45	0°8	
	13794 Dec 06 20:41	0∘ <b>⊽</b>			13800 Apr 12 17:27	$\Pi^{\circ}0$	
asc. node	13794 Dec 16 17:24	6° <b>≏</b> 23'14		evening set	13800 May 26 21:13	0° <b>©</b> 07'07	
	13795 Jan 25 02:25	$0^{\circ}$ M			13800 May 26 17:10	$0$ $\circ$ $50$	
retrograde	13795 Mar 22 22:40	18° <b>M</b> 13′28		max. Earth dist.	13800 Jun 09 12:59	9° <b>5</b> 49'02	2.46308 AU
min. Earth dist.	13795 Apr 17 18:22	13°M58'03	0.38203 AU		13800 Jul 07 04:56	$0$ $^{\circ}\Omega$	
greatest brilliancy	13795 Apr 22 05:20	12°M41'28	-2.9m		12000 1 1 20 1425	100 001101	001010
opposition	13795 Apr 23 13:28	12°M18'18 7°M08'47	6°51'21	conjunction minimum elong	13800 Jul 20 14:25 13800 Jul 20 15:23	10° <b>Ω</b> 01'01 10° <b>Ω</b> 02'49	
direct	13795 May 23 02:49 13795 Jul 31 17:33	0° <b>√</b>		behind sun begin	13800 Jul 20 15:23 13800 Jul 20 00:54	9° <b>Ω</b> 35'35	0-13-21
	13795 Sep 22 09:38	0° <b>ਣ</b>		behind sun begin	13800 Jul 20 00:54 13800 Jul 21 05:51	10° <b>Ω</b> 30'04	
desc. node	13795 Oct 18 24:00	0 0 16° <b>る</b> 04'50		asc. node	13800 Aug 07 14:05	23°Ω41'18	
	13795 Nov 10 18:04	0° <b>≈</b>			13800 Aug 15 18:56	0° m)	
	13795 Dec 29 10:57	0° <b>)</b> €			13800 Sep 23 04:11	0∘ <b>⊽</b>	
	13796 Feb 15 18:17	$0^{\circ}$ Y		morning rise	13800 Sep 24 09:01	0° <b>ჲ</b> 56'50	
evening set	13796 Mar 10 13:29	14° <b>Ƴ</b> 56′24			13800 Oct 31 04:00	$0^{\circ}$ M	
	13796 Apr 03 07:13	0°8			13800 Dec 08 15:45	0° <b>∡</b> ″	
max. Earth dist.	13796 Apr 10 14:18	4° <b>8</b> 39'55	2.66214 AU		13801 Jan 17 14:21	0°ප	
. ,.	1270( 4 22 10 21	1000 5 510 1	1010140		13801 Mar 01 01:33	0° <b>≈</b>	
conjunction minimum elong	13796 Apr 23 10:21 13796 Apr 23 10:02	12° <b>8</b> 55'31		desc. node	13801 Apr 16 19:28 13801 Jun 11 22:48	0° <b>∺</b> 29° <b>∺</b> 19'42	
minimum ciong	13796 May 19 14:56	0°Ⅱ	1 11 20	desc. Hode	13801 Jun 13 13:40	29 <b>γ</b> (1942	
morning rise	13796 Jun 06 18:17	12° <b>I</b> I01'13		retrograde	13801 Jul 31 05:32	11° <b>Υ</b> 14'56	
	13796 Jul 03 09:49	0°छ		min. Earth dist.	13801 Sep 09 03:00	1° <b>Y</b> 46'37	0.68199 AU
	13796 Aug 15 13:25	$0^{\circ}\Omega$		opposition	13801 Sep 10 01:06	1° <b>Y</b> 24'46	-3°03'34
	13796 Sep 26 03:43	0° <b>m</b>		greatest brilliancy	13801 Sep 09 21:20	1° <b>Y</b> 28'29	-1.3m
asc. node	13796 Nov 02 13:51	27° <b>m</b> 46'33			13801 Sep 13 15:13	30° <b>₹</b>	
	13796 Nov 05 13:02	0∘ <b>⊽</b>		direct	13801 Oct 20 23:17	21° <b>¥</b> 42′04	
	13796 Dec 15 11:10	0°M			13801 Dec 01 05:32	0° <b>Υ</b>	
	13797 Jan 25 09:55	0° <b>∡</b> ¹			13802 Feb 02 05:22	0°B	
retrograde	13797 Mar 12 01:29 13797 May 17 11:56	0°る 23°る36'08			13802 Mar 23 19:35 13802 May 07 09:30	0° <b>©</b>	
min. Earth dist.	13797 Jun 16 11:59	23 <b>3</b> 3008	0.51093 AU		13802 Jun 17 18:52	0° <b>U</b>	
opposition	13797 Jun 24 10:58	14° <b>る</b> 27'53	3°20'54	asc. node	13802 Jun 25 08:05	5° <b>Ω</b> 40'05	
greatest brilliancy	13797 Jun 23 12:47	14° <b>ප්</b> 48'31	-2.1m	evening set	13802 Jul 22 15:31	26° <b>Ω</b> 34'41	
direct	13797 Jul 29 04:37	6° <b>ප</b> 58'16		-	13802 Jul 27 01:09	0° <b>m</b> )	
desc. node	13797 Sep 05 09:57	14° <b>る</b> 33'43			13802 Sep 03 03:04	0∘ <b>亚</b>	
	13797 Oct 11 09:44	0° <b>≈</b>					
	13797 Dec 06 10:14	0° <b>)</b> €		conjunction	13802 Oct 01 10:47	22° <b>≏</b> 29'02	
	13798 Jan 26 11:43	0°Υ •••		minimum elong	13802 Oct 01 07:13	22° <b>£</b> 21'57	0°58'42
evening set	13798 Mar 16 00:41 13798 Apr 15 10:42	0° <b>と</b> 19° <b>と</b> 32'12		max. Earth dist.	13802 Oct 10 22:51 13802 Nov 17 08:13	0°ጤ 29°ጤ10'21	2.37510 AU
evening set	13798 May 01 08:26	19 <b>U</b> 32 12		max. Earth dist.	13802 Nov 17 08:13	0° <b>√</b>	2.37310 AU
max. Earth dist.	13798 May 05 13:18		2.58614 AU	morning rise	13802 Dec 12 20:32	18° <b>×</b> 731'20	
				8 2		0°ප	
conjunction					13802 Dec 28 08:32	0 0	
minimum elong	13798 May 31 20:23	20° <b>Ⅲ</b> 34'43	-1°00'48		13802 Dec 28 08:32 13803 Feb 08 10:58	0° <b>≈</b>	
$\mathcal{C}$	13798 May 31 20:23 13798 May 31 21:42	20°∏34'43 20°∏36'59				0° <b>∺</b>	
C	13798 May 31 21:42 13798 Jun 14 11:20	20°∏36′59 0°©		desc. node	13803 Feb 08 10:58 13803 Mar 25 09:35 13803 Apr 29 15:44	0° <b>≈</b> 0° <b>光</b> 21° <b>光</b> 55'04	
morning rise	13798 May 31 21:42 13798 Jun 14 11:20 13798 Jul 21 05:07	20°∏36'59 0°© 26°©08'09		desc. node	13803 Feb 08 10:58 13803 Mar 25 09:35 13803 Apr 29 15:44 13803 May 13 09:21	0°≈ 0°¥ 21°¥55'04 0°Υ	
C	13798 May 31 21:42 13798 Jun 14 11:20 13798 Jul 21 05:07 13798 Jul 26 12:30	20°∏36′59 0°© 26°©08′09 0°Ω			13803 Feb 08 10:58 13803 Mar 25 09:35 13803 Apr 29 15:44 13803 May 13 09:21 13803 Jul 10 20:22	0°≈ 0°₩ 21°₩55'04 0°Υ 0°8	
morning rise	13798 May 31 21:42 13798 Jun 14 11:20 13798 Jul 21 05:07 13798 Jul 26 12:30 13798 Sep 04 19:17	20°∏36'59 0°\$ 26°\$08'09 0°\$ 0°\$		retrograde	13803 Feb 08 10:58 13803 Mar 25 09:35 13803 Apr 29 15:44 13803 May 13 09:21 13803 Jul 10 20:22 13803 Sep 03 21:36	0°≈ 0°ℋ 21°ℋ55'04 0°℉ 0°℧ 13°℧46'48	4°25'12
C	13798 May 31 21:42 13798 Jun 14 11:20 13798 Jul 21 05:07 13798 Jul 26 12:30 13798 Sep 04 19:17 13798 Sep 20 02:17	20° II 36'59 0° S 26° S08'09 0° N 0° M 11° M 39'54		retrograde opposition	13803 Feb 08 10:58 13803 Mar 25 09:35 13803 Apr 29 15:44 13803 May 13 09:21 13803 Jul 10 20:22 13803 Sep 03 21:36 13803 Oct 13 19:53	0°≈ 0°ℋ 21°ℋ55'04 0°♈ 0°℧ 13°℧46'48 4°℧30'21	
morning rise	13798 May 31 21:42 13798 Jun 14 11:20 13798 Jul 21 05:07 13798 Jul 26 12:30 13798 Sep 04 19:17 13798 Sep 20 02:17 13798 Oct 13 20:02	20°∏36'59 0°© 26°©08'09 0°Ω 0°™ 11°™39'54 0°Ω		retrograde opposition greatest brilliancy	13803 Feb 08 10:58 13803 Mar 25 09:35 13803 Apr 29 15:44 13803 May 13 09:21 13803 Jul 10 20:22 13803 Sep 03 21:36 13803 Oct 13 19:53 13803 Oct 14 05:58	0°≈ 0° ℋ 21°ℋ55'04 0° ℉ 0° ௧ 13° ℧46'48 4° ℧30'21 4° ℧20'30	-1.3m
morning rise	13798 May 31 21:42 13798 Jun 14 11:20 13798 Jul 21 05:07 13798 Jul 26 12:30 13798 Sep 04 19:17 13798 Sep 20 02:17	20° II 36'59 0° S 26° S08'09 0° N 0° M 11° M 39'54		retrograde opposition	13803 Feb 08 10:58 13803 Mar 25 09:35 13803 Apr 29 15:44 13803 May 13 09:21 13803 Jul 10 20:22 13803 Sep 03 21:36 13803 Oct 13 19:53	0°≈ 0°ℋ 21°ℋ55'04 0°♈ 0°℧ 13°℧46'48 4°℧30'21	-1.3m
morning rise	13798 May 31 21:42 13798 Jun 14 11:20 13798 Jul 21 05:07 13798 Jul 26 12:30 13798 Sep 04 19:17 13798 Sep 20 02:17 13798 Oct 13 20:02 13798 Nov 21 08:03	20°П36'59 0°ഇ 26°ഇ08'09 0°П 0°M 11°M39'54 0°ല 0°M		retrograde opposition greatest brilliancy	13803 Feb 08 10:58 13803 Mar 25 09:35 13803 Apr 29 15:44 13803 May 13 09:21 13803 Jul 10 20:22 13803 Sep 03 21:36 13803 Oct 13 19:53 13803 Oct 14 05:58 13803 Oct 16 18:56	0°≈ 0° ℋ 21°ℋ55'04 0° ℉ 0° ௧ 13° ႘46'48 4° ႘30'21 4° ႘20'30 3° ႘20'58	-1.3m

	13803 Dec 26 15:47	0°8			13809 Jan 25 19:51	0° <b>)</b> €	
	13804 Feb 28 03:38	0°II				• / (	
	13804 Apr 15 07:06	0ಂತಾ		conjunction	13809 Mar 07 22:16	26° <b>¥</b> 19'09	-0°41'38
asc. node	13804 May 12 08:57	19° <b>5</b> 01'40		minimum elong	13809 Mar 07 21:08	26° <b>)</b> 17′21	0°41'27
	13804 May 27 08:35	$0^{\circ}\Omega$		max. Earth dist.	13809 Mar 12 15:51	29° <b>)</b> 19'40	2.67817 AU
	13804 Jul 05 17:50	0° <b>m</b> )			13809 Mar 13 17:14	$0^{\circ}\mathbf{\Upsilon}$	
	13804 Aug 12 20:35	0∘ <u>⊽</u>		morning rise	13809 Apr 20 11:01	23° <b>Y</b> 54'30	
	13804 Sep 19 19:28	0°M		C	13809 Apr 30 02:09	0°8	
evening set	13804 Oct 06 20:44	13°M19'08			13809 Jun 16 11:18	$\Pi^{\circ}0$	
	13804 Oct 28 13:17	0° <b>∡</b> ″			13809 Aug 02 16:17	0ංම	
	13804 Dec 07 20:19	ರ°0			13809 Sep 18 21:26	$0^{\circ}\Omega$	
					13809 Nov 05 23:39	0° <b>™</b>	
conjunction	13804 Dec 11 10:31	2° <b>る</b> 36'22	0°50'34		13809 Dec 29 07:58	0∘ <b>⊽</b>	
minimum elong	13804 Dec 11 12:55	2° <b>る</b> 40'42	0°51'36	asc. node	13810 Jan 03 09:04	2° <b>≏</b> 23'31	
	13805 Jan 19 04:31	0° <b>≈</b> ≈		retrograde	13810 Feb 21 03:53	15° <b>≏</b> 30'39	
max. Earth dist.	13805 Jan 19 18:10	0° <b>≈</b> 23'33	2.51547 AU	opposition	13810 Mar 22 19:59	10° <b>≏</b> 35'26	5°30'26
morning rise	13805 Feb 05 12:28	11° <b>≈</b> 50′07		min. Earth dist.	13810 Mar 22 08:24	10° <b>≏</b> 43'07	0.36365 AU
	13805 Mar 04 19:58	0° <b>)</b>		greatest brilliancy	13810 Mar 22 15:09	10° <b>≏</b> 38'38	-3.0m
desc. node	13805 Mar 16 02:56	7° <b>)</b> €20'34		direct	13810 Apr 21 03:14	5° <b>≙</b> 43'54	
	13805 Apr 20 22:20	$0^{\circ}$ Y			13810 Jun 29 16:47	0°M₊	
	13805 Jun 10 03:46	$0^{\circ}$ 8			13810 Aug 18 07:50	0° <b>∡</b> ¹	
	13805 Aug 06 04:45	$\Pi$ °0			13810 Oct 04 07:14	0°₹	
retrograde	13805 Oct 12 16:18	19° <b>Ⅱ</b> 08'36		desc. node	13810 Nov 05 10:08	20° <b>る</b> 31'18	
opposition	13805 Nov 19 07:51	10° <b>Ⅱ</b> 51'32			13810 Nov 20 08:01	0° <b>≈</b>	
greatest brilliancy	13805 Nov 20 12:10	10° <b>Ⅱ</b> 24'48	-1.6m		13811 Jan 06 20:50	0° <b>∀</b>	
min. Earth dist.	13805 Nov 26 02:40	8° <b>Ⅱ</b> 18'11	0.59093 AU		13811 Feb 23 14:30	$0^{\circ}\Upsilon$	
direct	13805 Dec 29 22:46	1° <b>Ⅱ</b> 06′10		evening set	13811 Feb 26 22:16	2° <b>Y</b> 05'32	
	13806 Mar 19 06:57	0°€		max. Earth dist.	13811 Apr 03 22:05	24° <b>Υ</b> ′51′36	2.67739 AU
asc. node	13806 Mar 30 16:43	6° <b>©</b> 58'17					
	13806 May 03 23:06	$0$ ° $\Omega$		conjunction	13811 Apr 11 18:26	29° <b>Y</b> 51'40	
	13806 Jun 13 13:18	0° <b>m</b> y		minimum elong	13811 Apr 11 17:40	29° <b>Y</b> 50′25	1°07'24
	13806 Jul 22 07:13	0∘ <b>⊽</b>			13811 Apr 11 23:40	0° <b>8</b>	
	13806 Aug 29 19:52	0° <b>™</b>		morning rise	13811 May 25 04:39	27° <b>8</b> 51'34	
	13806 Oct 08 05:41	0° <b>∡</b> ¹			13811 May 28 11:20	0°∏	
	13806 Nov 18 06:28	0°る			13811 Jul 12 17:00	0°9	
evening set	13806 Dec 08 12:53	14°る18'56			13811 Aug 25 13:15	0° <b>N</b>	
	13806 Dec 31 06:39	0° <b>≈</b>			13811 Oct 07 00:47	0∘ <b>⊽</b> 0∘₥	
i	12007 I 20 16:00	1000014125	0901100		13811 Nov 17 11:38	0° <b>12</b> 2° <b>1</b> 46'56	
conjunction minimum elong	13807 Jan 29 16:00 13807 Jan 29 16:06	19° <b>≈</b> 44'35 19° <b>≈</b> 44'44	0°01'09	asc. node	13811 Nov 21 07:14 13811 Dec 28 19:49	2° <b>22</b> 4030	
behind sun begin	13807 Jan 28 19:45	19 ≈44 44 19°≈11'02	0 01 30		13811 Dec 28 19.49 13812 Feb 10 13:36	0° <b>⊼</b> 1	
behind sun end	13807 Jan 30 12:27	19 ≈11 02 20°≈18'25			13812 Feb 10 13.30 13812 Apr 13 04:03	0°중	
desc. node	13807 Jan 31 14:46	20 ≈1823 21°≈01'58		retrograde	13812 Apr 13 04.03 13812 Apr 29 07:05	0 3 1°る52'02	
dese. Hode	13807 Feb 14 06:02	0° <b>\</b>		retrograde	13812 May 15 04:52	30°R.★	
max. Earth dist.	13807 Feb 18 09:10	2° <b>∺</b> 41'49	2.62357 AU	min. Earth dist.	13812 May 26 22:45	26° <b>₹</b> 35'34	0.45583 AU
morning rise	13807 Mar 17 17:31	20° <b>)</b> € 20'42	2.02337710	greatest brilliancy	13812 Jun 02 21:05	24°×11'05	-2.4m
morning rise	13807 Apr 01 21:46	0° <b>Υ</b>		opposition	13812 Jun 04 07:49	23° <b>×</b> <sup>7</sup> 40'45	5°07'01
	13807 May 19 23:24	0°8		direct	13812 Jul 06 23:34	17°×702'35	
	13807 Jul 08 14:35	0°II			13812 Aug 27 04:58	0°る	
	13807 Aug 30 08:15	0°©		desc. node	13812 Sep 22 20:09	12° <b>る</b> 34'29	
	13807 Nov 05 15:13	$0^{\circ}\Omega$			13812 Oct 25 07:30	0° <b>≈</b>	
retrograde	13807 Dec 05 08:06	4° <b>Ω</b> 44'58			13812 Dec 16 04:22	0° <b>∀</b>	
Č	13808 Jan 02 05:14	30° <b>ℝ</b> ∽			13813 Feb 03 20:28	$0^{\circ}\mathbf{\Upsilon}$	
opposition	13808 Jan 07 15:31	28° <b>©</b> 14'29	-2°23'12		13813 Mar 23 21:30	0°8	
greatest brilliancy	13808 Jan 08 13:17	27°956'16	-2.4m	evening set	13813 Apr 02 03:53	5° <b>8</b> 54'44	
min. Earth dist.	13808 Jan 16 07:55	25°520'46	0.45650 AU	max. Earth dist.	13813 Apr 26 04:54	21° <b>8</b> 28'19	2.62211 AU
direct	13808 Feb 13 02:36	20°516'16			13813 May 09 04:01	$\Pi^{\circ}0$	
asc. node	13808 Feb 16 03:16	20°520'14					
	13808 Mar 23 16:09	$0^{\circ}\Omega$		conjunction	13813 May 17 02:24	5° <b>Ⅱ</b> 16′20	-1°08'33
	13808 May 14 07:59	0° <b>m</b> )		minimum elong	13813 May 17 03:04	5° <b>Ⅱ</b> 17′26	1°09'28
	13808 Jun 25 12:55	0∘ <b>⊽</b>			13813 Jun 22 12:01	0ං <b>ව</b>	
	13808 Aug 05 03:18	0° <b>M</b> ₊		morning rise	13813 Jul 03 07:31	7° <b>©</b> 31'21	
	13808 Sep 15 05:31	0° <b>∡</b> ¹			13813 Aug 03 21:59	$0^{\circ}\Omega$	
	13808 Oct 27 18:06	0°ප			13813 Sep 13 14:50	0° <b>m</b> ∕	
	13808 Dec 11 00:09	0° <b>≈</b>		asc. node	13813 Oct 07 23:00	18° <b>m</b> , 25'57	
desc. node	13808 Dec 18 08:01	4° <b>≈</b> 51'39			13813 Oct 23 01:13	0∘ <b>ত</b>	
evening set	13809 Jan 21 00:26	26° <b>≈</b> 53′28			13813 Nov 30 22:08	0° <b>M</b> ₊	

	12014 7 00 07 50	00.7			12010 1 05 06 27	00.0	
	13814 Jan 09 06:58	0° <b>∡</b>			13819 Jun 05 06:27	0° <b>N</b>	
	13814 Feb 19 20:20	0°ರ			13819 Jul 14 13:03	0° my	
. 1	13814 Apr 08 14:08	0° <b>≈</b>			13819 Aug 21 14:17	0° <b>⊽</b>	
retrograde	13814 Jun 13 02:08	21°≈41'34	0.505.00 4.77	evening set	13819 Sep 07 03:55	13° <b>2</b> 09'18	
min. Earth dist.	13814 Jul 16 16:36	14°≈14'37	0.58760 AU		13819 Sep 28 10:55	0°M	
opposition	13814 Jul 22 19:26	11°≈51'34			13819 Nov 06 01:02	0° <b>∡</b> ¹	
greatest brilliancy	13814 Jul 22 15:04	11°≈55'49	-1.7m		12010 N 17 11 51	00 7 4010 1	1002140
desc. node	13814 Aug 11 07:09	5°≈26'25		conjunction	13819 Nov 17 11:51	8° 🗷 42'21	1°03'48
direct	13814 Aug 29 04:35	3°≈22'21 0°¥		minimum elong	13819 Nov 17 13:33 13819 Dec 16 03:23	8°ダ45'34 0°る	1°04'45
	13814 Nov 20 00:29 13815 Jan 14 04:52	0 X 0°Υ		max. Earth dist.	13819 Dec 16 03.23 13820 Jan 04 18:45	0 る 14°る10'23	2.46124 AU
	13815 Mar 05 02:00	0°8		morning rise	13820 Jan 18 13:06	14 01023 23° <b>る</b> 53'36	2.40124 AU
	13815 Apr 20 18:25	0°U		morning rise	13820 Jan 27 07:42	23 <b>⊘</b> 33 30	
evening set	13815 May 10 14:52	13° <b>Ⅱ</b> 19'27			13820 Mar 11 23:03	0° <b>∺</b>	
max. Earth dist.	13815 May 10 14:32 13815 May 25 19:13	23° <b>∏</b> 44'49	2.51586 AU	desc. node	13820 Apr 01 22:14	13° <b>∺</b> 29'03	
max. Latin dist.	13815 Jun 03 18:24	0°95	2.31300 AC	desc. flode	13820 Apr 28 12:09	0° <b>Υ</b>	
	15015 Juli 05 10.24	• •			13820 Jun 19 11:45	0°8	
conjunction	13815 Jun 30 02:04	18° <b>©</b> 46'01	-0°36'29		13820 Aug 26 10:04	0°II	
minimum elong	13815 Jun 30 03:52	18°5549'18		retrograde	13820 Sep 26 03:38	4° <b>∏</b> 53'03	
minimum crong	13815 Jul 15 10:46	0°Ω	0 37 29	retrograde	13820 Oct 24 07:35	30°R <b>8</b>	
	13815 Aug 24 06:36	0° m)		opposition	13820 Nov 03 21:33	26° <b>8</b> 08'36	-4°57'12
asc. node	13815 Aug 25 10:37	0° m 53'48		greatest brilliancy	13820 Nov 04 19:10	25° <b>8</b> 47'50	
morning rise	13815 Aug 27 11:40	2° m/28'03		min. Earth dist.	13820 Nov 09 05:23	_	0.63014 AU
5 5	13815 Oct 01 20:55	0∘ <u>⊽</u>		direct	13820 Dec 15 04:38	16° <b>8</b> 10'16	
	13815 Nov 09 00:13	0°M₊			13821 Feb 05 14:16	0°II	
	13815 Dec 17 14:07	0° <b>∡</b> ¹			13821 Mar 30 22:27	0° <b>©</b>	
	13816 Jan 26 15:49	ರ°0		asc. node	13821 Apr 16 06:05	10° <b>5</b> 48'46	
	13816 Mar 09 13:58	0° <b>≈</b>			13821 May 13 11:18	$0^{\circ}\Omega$	
	13816 Apr 27 04:08	0° <b>∀</b>			13821 Jun 22 08:55	0° <b>m</b> )	
desc. node	13816 Jun 28 12:33	26° <b>)</b> 17′03			13821 Jul 30 18:00	0∘ <b>⊽</b>	
retrograde	13816 Jul 18 00:47	28° <b>)</b> 32′17			13821 Sep 06 23:03	$0^{\circ}$ M	
min. Earth dist.	13816 Aug 25 10:19	19° <b>)</b> 32′23	0.66813 AU		13821 Oct 16 00:32	0° <b>∡</b> ¹	
opposition	13816 Aug 27 20:16	18° <b>)</b> 34′58	-2°11'55	evening set	13821 Nov 17 00:28	23° <b>х¹</b> 43'36	
greatest brilliancy	13816 Aug 27 14:34	18° <b>)</b> 40′37	-1.3m		13821 Nov 25 16:19	ರ°0	
direct	13816 Oct 07 01:43	9° <b>)</b> €06'42			13822 Jan 07 08:26	0° <b>≈</b> ≈	
	13816 Dec 17 11:12	$0$ ° $\Upsilon$					
	13817 Feb 11 05:37	$9^{\circ}$ 8		conjunction	13822 Jan 12 10:16	3° <b>≈</b> 28′24	0°20'39
	13817 Mar 31 12:12	$\Pi$ °0		minimum elong	13822 Jan 12 11:17	3° <b>≈</b> 30′09	0°21'36
	13817 May 14 18:13	$0$ $\circ$		max. Earth dist.	13822 Feb 08 01:26	21° <b>≈</b> 23'24	2.58729 AU
	13817 Jun 25 03:34	$0$ $\circ$ $\Omega$		desc. node	13822 Feb 17 08:15	27° <b>≈</b> 31'29	
evening set	13817 Jun 27 18:44	1° <b>Ω</b> 57'56			13822 Feb 21 02:45	0° <b>∺</b>	
asc. node	13817 Jul 12 00:45	12° <b>Ω</b> 42'59		morning rise	13822 Mar 03 03:35	6° <b>)</b> 32'47	
max. Earth dist.	13817 Jul 23 00:43		2.38037 AU		13822 Apr 08 19:53	0° <b>Υ</b>	
	13817 Aug 03 12:12	0° <b>™</b>			13822 May 27 11:03	0° <b>8</b>	
	12015 1 21 05 10	010W 10110	002 410		13822 Jul 17 19:17	0°II	
conjunction	13817 Aug 31 05:10	21° m 43'13			13822 Sep 14 16:04	0°©	
minimum elong	13817 Aug 31 01:56	21° m/36'51	0°34'00	retrograde	13822 Nov 11 21:29	15°5512'18	2052110
	13817 Sep 10 16:21	0° <b>™</b> 0° <b>亚</b>		opposition	13822 Dec 17 05:03	7°952'51	
marning rica	13817 Oct 18 13:01			greatest brilliancy	13822 Dec 18 12:26	7°524'48	
morning rise	13817 Nov 13 15:54	20°M28'40 0°⊀		min. Earth dist.	13822 Dec 25 17:24	4° <b>©</b> 50'47 30° <b>Ŗ</b> Ⅱ	0.51316 AU
	13817 Nov 25 23:27 13818 Jan 04 20:18	0°る		direct	13823 Jan 12 11:25 13823 Jan 24 20:24	30 K丘 28°耳55'40	
	13818 Feb 15 23:11	0°≈		unect	13823 Feb 06 09:56	28 <b>H</b> 33 40 0° <b>©</b>	
	13818 Apr 02 06:50	0° <b>∺</b>		asc. node	13823 Mar 04 14:46	7° <b>9</b> 57'14	
desc. node	13818 May 16 09:39	26° <b>∺</b> 23'01		asc. node	13823 Apr 14 13:03	0°Ω	
desc. node	13818 May 22 23:15	0°Υ			13823 May 28 05:42	0°m)	
	13818 Aug 06 08:37	0°8			13823 Jul 07 07:15	0∘ <b>⊽</b>	
retrograde	13818 Aug 21 02:03	1° <b>8</b> 15'02			13823 Aug 15 17:22	0° <b>™</b>	
- thograde	13818 Sep 04 03:55	30°RY			13823 Aug 13 17:22 13823 Sep 24 22:08	0° <b>⊼</b> ¹	
opposition	13818 Sep 30 12:40	21° <b>Υ</b> 42'45	-4°07'01		13823 Nov 05 16:32	° ਨ ਹ	
greatest brilliancy	13818 Sep 30 16:11	21° <b>Υ</b> 39'17			13823 Dec 19 07:55	0° <b>≈</b>	
min. Earth dist.	13818 Oct 01 23:12	21°Υ08'49		desc. node	13824 Jan 04 23:41	11° <b>≈</b> 07'56	
direct	13818 Nov 11 02:13	11° <b>Y</b> '44'58	-	evening set	13824 Jan 06 00:35	11° <b>≈</b> 49'12	
	13819 Jan 14 12:26	0°8		Ç	13824 Feb 02 17:20	0° <b>∀</b>	
	13819 Mar 09 20:30	0°II					
	13819 Apr 24 14:11	0°©		conjunction	13824 Feb 22 18:04	12° <b>¥</b> 56'50	-0°26'50
asc. node	13819 May 30 00:06	25°\$21'16		minimum elong	13824 Feb 22 17:12	12° <b>¥</b> 55′26	0°26'25
				-			

max. Earth dist.	13824 Mar 04 01:33	19° <b>¥</b> 33'31	2.66317 AU		13829 Jun 23 07:26	30°Ŗ₹	
mun. Durun uibu	13824 Mar 20 10:35	0°Υ	2.00317110	min. Earth dist.	13829 Jun 28 13:51	28°る06'40	0.54004 AU
morning rise	13824 Apr 07 05:17	11° <b>Υ</b> 15'55		opposition	13829 Jul 05 23:18	25° <b>る</b> 18'09	2°22'38
5	13824 May 06 23:23	0°8		greatest brilliancy	13829 Jul 05 08:31	25° <b>る</b> 32'13	
	13824 Jun 23 23:46	0°II		direct	13829 Aug 10 18:01	17° <b>る</b> 24'40	
	13824 Aug 11 14:26	0ంతె		desc. node	13829 Aug 27 16:54	19° <b>る</b> 05'33	
	13824 Sep 30 18:55	$0^{\circ}\Omega$			13829 Oct 01 08:19	0° <b>≈</b>	
	13824 Nov 26 10:09	0° <b>m</b> )			13829 Dec 01 01:20	0° <b>)</b> €	
retrograde	13825 Jan 18 23:54	14° <b>m</b> ) 18'46			13830 Jan 22 06:35	$0$ ° $\Upsilon$	
asc. node	13825 Jan 19 22:44	14° <b>m</b> 18'25			13830 Mar 12 05:56	0°8	
opposition	13825 Feb 18 02:37	9° <b>m</b> 11'14	2°09'01	evening set	13830 Apr 24 21:01	28° <b>8</b> 07'52	
greatest brilliancy	13825 Feb 18 11:11	9° <b>™</b> 05'13	-2.9m		13830 Apr 27 16:48	$\Pi$ °0	
min. Earth dist.	13825 Feb 23 05:53	7° <b>m</b> 45'04	0.38118 AU	max. Earth dist.	13830 May 12 22:50	10° <b>Ⅱ</b> 12'09	2.56297 AU
direct	13825 Mar 21 14:59	3° Mp 26'23			13830 Jun 10 18:57	$0$ $\circ$ $\odot$	
	13825 May 31 20:49	0∘ <b>⊽</b>					
	13825 Jul 17 05:38	0°M₊		conjunction	13830 Jun 11 10:43	0° <b>©</b> 27'33	
	13825 Aug 30 07:02	0° <b>∡</b>		minimum elong	13830 Jun 11 12:21	0° <b>©</b> 30'25	0°54'49
	13825 Oct 13 18:23	0°ಕ			13830 Jul 22 17:07	$0$ $\circ$ $\Omega$	
desc. node	13825 Nov 21 22:59	25° <b>る</b> 49'30		morning rise	13830 Aug 03 04:57	8° <b>Ω</b> 28'23	
	13825 Nov 28 09:01	0° <b>≈</b>			13830 Aug 31 19:55	0° m/y	
	13826 Jan 14 01:40	0° <b>)</b> {		asc. node	13830 Sep 11 07:16	8° m 00'45	
evening set	13826 Feb 13 00:12	19° <b>)</b> €00'13			13830 Oct 09 16:30	0∘ <b>亚</b>	
T d F d	13826 Mar 02 09:11	0°Υ 15° <b>Ω</b> 06140	2.68426 AU		13830 Nov 17 00:44	0°M 0°. <b>₹</b>	
max. Earth dist.	13826 Mar 26 06:09	15*1106'49	2.68426 AU		13830 Dec 25 18:58	0°⋜	
agniumation	12926 Mar. 20, 06:57	17° <b>Ƴ</b> 02'14	0050126		13831 Feb 04 03:45	0° <b>≈</b>	
conjunction minimum elong	13826 Mar 29 06:57 13826 Mar 29 05:53	$17^{\circ}$ \ \ \ \ 02'14 \\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \			13831 Mar 19 23:14 13831 May 11 14:35	0° <b>∺</b>	
minimum eiong	13826 Apr 18 16:36	17 10032 0° <b>と</b>	0 3948	retrograde	13831 Jul 05 14:04	15° <b>)</b> 14'22	
morning rise	13826 May 11 09:15	14° <b>8</b> 30'08		desc. node	13831 Jul 16 01:23	13 <b>X</b> 14 22 14° <b>X</b> 30'07	
morning risc	13826 Jun 04 10:28	0°П		min. Earth dist.	13831 Aug 11 06:38		0.64419 AU
	13826 Jul 20 06:36	0ಂ <b>ತಾ</b>		opposition	13831 Aug 15 03:55	5° <b>)</b> 14'32	
	13826 Sep 03 01:40	$0 {\circ} {\mathfrak O}$		greatest brilliancy	13831 Aug 14 23:15	5° <b>)</b> 19'09	
	13826 Oct 16 21:00	0° my		greatest simune,	13831 Aug 29 13:46	30°R≈	1.011
	13826 Nov 29 04:17	0∘ <u>v</u>		direct	13831 Sep 23 10:57	26°≈05'04	
asc. node	13826 Dec 08 01:18	6° <b>Ω</b> 06'52			13831 Oct 20 16:33	0° <b>)</b> €	
	13827 Jan 12 17:49	$0^{\circ}$ M			13831 Dec 29 20:53	$0^{\circ}\Upsilon$	
	13827 Mar 09 19:35	0° <b>∡</b>			13832 Feb 20 09:49	0°B	
retrograde	13827 Apr 07 16:51	5° <b>∡</b> ³35'57			13832 Apr 07 21:07	$\Pi$ $^{\circ}0$	
min. Earth dist.	13827 May 03 14:47	1° <b>∡</b> °07′02	0.40417 AU		13832 May 21 23:29	$0$ $\circ$ $\odot$	
	13827 May 07 06:01	30°RML		evening set	13832 Jun 06 12:57	11° <b>©</b> 03'30	
greatest brilliancy	13827 May 09 09:15	29° <b>™</b> 19'53	-2.7m	max. Earth dist.	13832 Jun 20 15:12	21° <b>©</b> 16'55	2.43287 AU
opposition	13827 May 10 23:44	28° <b>™</b> 49'46	6°34'27		13832 Jul 02 10:55	$0$ $^{\circ}$ $\Omega$	
direct	13827 Jun 10 14:24	23°M10'44		asc. node	13832 Jul 28 20:40	19° <b>Ω</b> 54'51	
	13827 Jul 15 05:24	0° <b>∡</b>					
	13827 Sep 15 05:12	0°る		conjunction	13832 Aug 03 07:25	24° <b>Ω</b> 05′23	0°03'53
desc. node	13827 Oct 10 05:29	14° <b>る</b> 20'54		minimum elong	13832 Aug 03 07:07	24° <b>Ω</b> 04'48	0°03'09
	13827 Nov 05 16:00	0° <b>≈</b>		behind sun begin	13832 Aug 02 04:43	23° <b>Ω</b> 14'07	
	13827 Dec 25 06:04	0° <b>){</b>		behind sun end	13832 Aug 04 09:31	24° <b>Ω</b> 55'31	
. ,	13828 Feb 11 23:23	0°Υ 22°W 40122			13832 Aug 10 23:22	0° <b>m</b>	
evening set	13828 Mar 19 08:31	22° <b>Y</b> 48'32			13832 Sep 18 06:40	0° <u>Ω</u>	
may Earth dist	13828 Mar 30 16:12	0°8	2.64997 AU	morning rise	13832 Oct 12 05:50	18° <b>≏</b> 57'59 0° <b>™</b>	
max. Earth dist.	13828 Apr 16 19:24	10 03907	2.04997 AU		13832 Oct 26 04:52 13832 Dec 03 15:13	0°11℃ 0° <b>√</b> 7	
conjunction	13828 May 02 11:02	21° <b>8</b> 08'17	1011116		13833 Jan 12 11:36	0° <b>ठ</b>	
minimum elong	13828 May 02 11:02	21° <b>8</b> 08'17			13833 Feb 23 17:24	0°≈	
minimum ciong	13828 May 15 23:17	21 <b>Ο</b> 0817	1 12 02		13833 Apr 10 17:21	0 <b>∞</b> 0° <b>∀</b>	
morning rise	13828 Jun 16 14:28	21° <b>∏</b> 08'41		desc. node	13833 Jun 02 00:56	29° <b>)</b> 14'39	
	13828 Jun 29 14:10	0°95			13833 Jun 03 14:24	0° <b>Υ</b>	
	13828 Aug 11 11:09	$0 {\circ} \Omega$		retrograde	13833 Aug 07 18:39	18° <b>Y</b> 54'05	
	13828 Sep 21 17:14	0° my		opposition	13833 Sep 17 12:26	9° <b>Υ</b> '09'25	-3°29'44
asc. node	13828 Oct 24 18:11	24° m/43'53		greatest brilliancy	13833 Sep 17 10:46		-1.2m
	13828 Oct 31 17:13	0∘ <u>⊽</u>		min. Earth dist.	13833 Sep 17 10:40	9° <b>Ƴ</b> 11'09	0.68539 AU
	13828 Dec 10 04:17	$0^{\circ}$ M			13833 Oct 18 09:39	30°₽ <b>)</b>	
	13829 Jan 19 08:15	0° <b>∡</b> ¹		direct	13833 Oct 28 17:25	29° <b>∺</b> 20′10	
	13829 Mar 03 17:34	8°0			13833 Nov 08 09:57	$0^{\circ}$ Y	
	13829 May 01 01:49	0° <b>≈</b>			13834 Jan 26 12:54	$9^{\circ}$ 8	
retrograde	13829 May 28 06:10	4° <b>≈</b> 46'11			13834 Mar 18 10:17	$\Pi^{\circ}0$	

	13834 May 02 09:18	0₀ <b>©</b>		max. Earth dist.	13839 Feb 23 22:53	9° <b>∺</b> 20'41	2.64004 AU
	13834 Jun 12 21:22	0°N		morning rise	13839 Mar 25 16:39	28° <b>)</b> €24'09	
asc. node	13834 Jun 15 15:08	2° <b>Ω</b> 02'50			13839 Mar 28 05:01	0° <b>Υ</b>	
	13834 Jul 22 04:06	0° <b>m</b>			13839 May 15 00:31	0°8	
evening set	13834 Aug 07 10:32	12° <b>m</b> 44'51			13839 Jul 02 22:25	0°II	
	13834 Aug 29 05:50	ია <b></b> 0∘ <b>ত</b>			13839 Aug 22 17:16	0°95	
	13834 Oct 06 01:40	0° <b>M</b> .			13839 Oct 18 08:06	0° <b>Ω</b>	
. ,.	12024 0 4 10 02 10	100 <b>M</b> 17127	1005117	retrograde	13839 Dec 20 08:58	17° <b>Ω</b> 59'00	1002115
conjunction	13834 Oct 19 03:10	10°M16'27		opposition	13840 Jan 21 13:34	11°Ω58'48	
minimum elong	13834 Oct 19 01:31 13834 Nov 13 13:18	10°M.13'14 0°⊀	1-05/51	greatest brilliancy min. Earth dist.	13840 Jan 21 23:17 13840 Jan 29 15:28	11°Ω51'05 9°Ω25'40	-2.6m 0.42620 AU
max. Earth dist.	13834 Dec 12 05:41		2.40377 AU	asc. node	13840 Feb 06 11:37	7° <b>Ω</b> 14'09	0.42020 AU
max. Earm dist.	13834 Dec 23 11:57	21 <b>メ</b> ・40 34	2.40377 AU	direct	13840 Feb 25 09:21	4°Ω44'45	
morning rise	13834 Dec 27 05:04	0 0 2° <b>る</b> 42'59		direct	13840 May 03 18:52	0°m)	
morning rise	13835 Feb 03 13:31	2 042 39 0°≈			13840 Jun 17 19:33	0∘ <del>ত</del> الأس	
	13835 Mar 20 07:06	0° <b>∺</b>			13840 Jul 29 13:37	0° <b>m</b> .	
desc. node	13835 Apr 19 16:36	19° <b>∺</b> 12'27			13840 Sep 09 09:09	0° <b>⊼</b> ¹	
dese. Hode	13835 May 07 13:32	0° <b>Υ</b>			13840 Oct 22 09:57	0°ਰ	
	13835 Jul 01 14:59	0°8			13840 Dec 06 01:02	0° <b>≈</b>	
retrograde	13835 Sep 12 01:14	21° <b>8</b> 36'40		desc. node	13840 Dec 08 11:55	0 <b>~</b> 1° <b>≈</b> 37'12	
opposition	13835 Oct 21 15:18	12° <b>8</b> 30'25	-4°46'54	dese. Hode	13841 Jan 21 02:30	0° <b>∀</b>	
greatest brilliancy	13835 Oct 22 05:29	12° <b>8</b> 16'38		evening set	13841 Jan 29 13:43	5° <b>∺</b> 26'10	
min. Earth dist.	13835 Oct 25 10:57		0.65889 AU	evening set	13841 Mar 09 02:39	0° <b>Υ</b>	
direct	13835 Dec 02 06:12	2° <b>8</b> 27'49	0.03007 AU		13041 Wai 07 02.37	0 1	
ancet	13836 Feb 20 22:08	0°Ⅱ		conjunction	13841 Mar 15 17:57	4° <b>Υ</b> 12'42	-0°49'07
	13836 Apr 09 13:43	0°©		minimum elong	13841 Mar 15 16:46	4°Υ10'50	
asc. node	13836 May 02 18:04	16°900'59		max. Earth dist.	13841 Mar 17 15:30	5°Υ24'56	2.68268 AU
ase. Houe	13836 May 22 01:33	0°Ω		max. Earth dist.	13841 Apr 25 10:25	0°8	2.00200710
	13836 Jun 30 14:37	0° m)		morning rise	13841 Apr 27 23:49	1° <b>8</b> 37'23	
	13836 Aug 07 19:04	0∘ <del>⊽</del>		morning rise	13841 Jun 11 13:15	0°П	
	13836 Sep 14 19:33	0° <b>™</b>			13841 Jul 28 04:41	0°©	
evening set	13836 Oct 22 19:32	29°M22'22			13841 Sep 12 08:12	$0 {\circ} \Omega$	
e venning see	13836 Oct 23 15:21	0° <b>₹</b>			13841 Oct 28 08:14	o°mp	
	13836 Dec 03 00:27	ਰ°0			13841 Dec 14 17:18	0∘ <b>⊽</b>	
	15050 200 05 00.27	• •		asc. node	13841 Dec 24 16:38	ა — 5° <b>ჲ</b> 57'04	
conjunction	13836 Dec 23 19:55	14° <b>る</b> 54'43	0°40'18		13842 Feb 12 12:28	0°M	
minimum elong	13836 Dec 23 21:57	14° <b>る</b> 58'20	0°41'19	retrograde	13842 Mar 11 03:11	4° <b>™</b> 33'51	
8	13837 Jan 14 10:22	0° <b>≈</b>		min. Earth dist.	13842 Apr 06 20:14	0° <b>M</b> 14'51	0.36968 AU
max. Earth dist.	13837 Jan 27 06:14	8° <b>≈</b> 46'47	2.54306 AU		13842 Apr 07 18:08	30° <b>Ŗ</b> Ω	
morning rise	13837 Feb 15 06:32	21° <b>≈</b> 33'21		opposition	13842 Apr 10 14:14	29° <b>≏</b> 13'34	6°36'40
C	13837 Feb 28 01:22	0° <b>∀</b>		greatest brilliancy	13842 Apr 09 16:48	29° <b>≏</b> 28'11	-3.0m
desc. node	13837 Mar 06 04:17	4° <b>)</b> €00'04		direct	13842 May 09 15:40	24° <b>≏</b> 20'05	
	13837 Apr 15 22:30	$0^{\circ}$ $\Upsilon$			13842 Jun 09 07:57	0° <b>M</b>	
	13837 Jun 04 09:53	0°8			13842 Aug 09 01:47	0° <b>∡</b> ¹	
	13837 Jul 28 14:17	$\Pi^{\circ}0$			13842 Sep 27 14:02	ರ∘ರ	
retrograde	13837 Oct 22 20:49	28° <b>Ⅲ</b> 21'57		desc. node	13842 Oct 26 16:22	18° <b>පි</b> 06'06	
opposition	13837 Nov 28 19:04	20° <b>Ⅲ</b> 22'55	-4°39'07		13842 Nov 14 18:11	0° <b>≈</b>	
greatest brilliancy	13837 Nov 30 01:59	19° <b>Ⅱ</b> 54′09	-1.8m		13843 Jan 01 21:09	0° <b>)</b> €	
min. Earth dist.	13837 Dec 06 07:22	17° <b>Ⅲ</b> 35'35	0.56554 AU		13843 Feb 18 22:04	$0^{\circ}$ Y	
direct	13838 Jan 07 21:08	10° <b>Ⅱ</b> 49'39		evening set	13843 Mar 06 17:11	9° <b>Y</b> 55'31	
	13838 Mar 09 23:39	$0$ $\circ$ $\odot$			13843 Apr 07 09:34	$9^{\circ}$ 8	
asc. node	13838 Mar 21 03:16	6° <b>©</b> 12'32		max. Earth dist.	13843 Apr 08 23:15	1° <b>8</b> 00'08	2.67007 AU
	13838 Apr 27 07:30	$0^{\circ}\Omega$					
	13838 Jun 07 15:39	0° <b>m</b>		conjunction	13843 Apr 19 12:05	7° <b>8</b> 44'52	-1°09'41
	13838 Jul 16 17:37	0∘ <b>⊽</b>		minimum elong	13843 Apr 19 11:33	7° <b>8</b> 44'00	1°10'15
	13838 Aug 24 11:44	$0^{\circ}$ M			13843 May 23 19:30	$\Pi^{\circ}0$	
	13838 Oct 03 02:28	0° <b>∡</b> ¹		morning rise	13843 Jun 02 08:32	6° <b>Ⅱ</b> 16'36	
	13838 Nov 13 07:45	ರ∘ರ			13843 Jul 07 19:53	$0$ $\circ$ $\odot$	
evening set	13838 Dec 19 10:42	25° <b>る</b> 11'33			13843 Aug 20 07:14	$0^{\circ}\Omega$	
	13838 Dec 26 11:59	0° <b>≈</b>			13843 Oct 01 07:00	0° <b>m</b> )	
desc. node	13839 Jan 21 16:13	17° <b>≈</b> 33'49		asc. node	13843 Nov 11 14:46	0° <b>ჲ</b> 22'40	
					13843 Nov 11 02:33	0∘ <b>亚</b>	
conjunction	13839 Feb 07 17:44	28° <b>≈</b> 48′05			13843 Dec 21 12:56	$0^{\circ}$ M	
minimum elong	13839 Feb 07 17:23	28° <b>≈</b> 47'31	0°09'05		13844 Feb 01 07:41	0° <b>∡</b> ¹	
behind sun begin	13839 Feb 07 00:46	28° <b>≈</b> 20'22			13844 Mar 20 22:14	0°る	
behind sun end	13839 Feb 08 09:59	29° <b>≈</b> 14'38		retrograde	13844 May 10 12:48	15° <b>පි</b> 08'11	
	13839 Feb 09 13:44	0° <b>∺</b>		min. Earth dist.	13844 Jun 08 10:28	9° <b>る</b> 22'01	0.48644 AU

	12044 I.m. 16 17:25	(0 <b>Z</b> 21157	4907129		12040 I 20 00-14	000	
opposition	13844 Jun 16 17:25	6°る21'57		1	13849 Jun 20 08:14	0° <b>N</b>	
greatest brilliancy	13844 Jun 15 13:29 13844 Jul 09 19:54	6°₹47'18 30°₽ <b>₹</b>	-2.2m	asc. node	13849 Jul 02 08:13	9° <b>Ω</b> 00'42 15° <b>Ω</b> 46'45	
direct	13844 Jul 20 14:05	29° <b>∡</b> 14'01		evening set	13849 Jul 11 05:46 13849 Jul 29 16:25	0°m)	
direct	13844 Jul 31 18:23	0°る			13849 Sep 05 19:31	0∘ <b>ت</b> س	
desc. node	13844 Sep 13 01:59	13°る22'24		max. Earth dist.	13849 Sep 12 10:47	5° <b>≏</b> 15'59	2.36222 AU
dese. Hode	13844 Oct 17 11:16	0° <b>≈</b>		max. Earth dist.	13017 Sep 12 10.17	5 —1557	2.50222710
	13844 Dec 10 10:09	0° <b>∀</b>		conjunction	13849 Sep 17 11:29	9° <b>₽</b> 15'32	0°49'31
	13845 Jan 29 20:34	0° <b>Υ</b>		minimum elong	13849 Sep 17 07:24	9° <b>ഫ</b> 07'27	0°49'32
	13845 Mar 19 04:53	0° <b>႘</b>		Č	13849 Oct 13 15:22	0°M₊	
evening set	13845 Apr 10 05:19	14° <b>8</b> 05'23			13849 Nov 21 01:29	0° <b>∡</b> ¹	
max. Earth dist.	13845 May 02 00:20	28° <b>8</b> 19'48	2.60325 AU	morning rise	13849 Nov 30 15:01	7° <b>√</b> 19'19	
	13845 May 04 12:57	$\Pi$ °0			13849 Dec 30 21:54	ರ°0	
					13850 Feb 10 22:43	0° <b>≈</b>	
conjunction	13845 May 25 20:56	14° <b>Ⅱ</b> 17'00	-1°04'45		13850 Mar 27 22:35	0° <b>∀</b>	
minimum elong	13845 May 25 21:58	14° <b>Ⅱ</b> 18'46	1°05'44	desc. node	13850 May 06 11:22	24° <b>) (</b> 16′19	
	13845 Jun 17 19:15	$0$ $\circ$			13850 May 16 10:08	$0^{\circ}$ Y	
morning rise	13845 Jul 13 16:12	18° <b>©</b> 12'33			13850 Jul 17 06:46	$0^{\circ}S$	
	13845 Jul 30 01:14	$0$ $^{\circ}\Omega$		retrograde	13850 Aug 28 21:39	8° <b>8</b> 53'59	
	13845 Sep 08 13:18	0° <b>m</b> )			13850 Oct 06 19:42	30°Ŗ <b>Ƴ</b>	
asc. node	13845 Sep 28 04:15	14° <b>m</b> 55'03		opposition	13850 Oct 08 02:13	29° <b>Y</b> ′30′10	
	13845 Oct 17 18:33	0∘ <b>⊽</b>		greatest brilliancy	13850 Oct 08 09:19	29° <b>Y</b> ′23′13	
	13845 Nov 25 10:10	0° <b>M</b> ₊		min. Earth dist.	13850 Oct 10 09:21	28° <b>Y</b> 36′10	0.67736 AU
	13846 Jan 03 12:00	0° <b>∡</b> ¹		direct	13850 Nov 18 17:35	19° <b>Y</b> 29'23	
	13846 Feb 13 10:22	0°る			13851 Jan 04 01:10	0° <b>B</b>	
	13846 Mar 31 00:39	0° <b>≈</b> 0° <b>∀</b>			13851 Mar 03 15:38	0° <b>©</b>	
ratragrada	13846 Jun 09 11:36	0° <b>∺</b> 56'44		asc. node	13851 Apr 19 05:29	0°96 22°9601'41	
retrograde	13846 Jun 21 12:51 13846 Jul 03 04:56	0 7€3644 30°R≈		asc. node	13851 May 20 08:10 13851 May 31 04:09	0°Ω	
min. Earth dist.	13846 Jul 26 07:00	23°≈06'32	0.61015 AU		13851 Jul 09 13:11	0° <b>m</b> )	
opposition	13846 Jul 31 15:05	23 ≈00 32 21°≈00'44	0°02'11		13851 Aug 16 15:30	0∘ <del>ت</del> الأس	
greatest brilliancy	13846 Jul 31 14:56	21°≈00'52		greatest brilliancy	13851 Aug 31 19:54	0 <b>—</b> 12° <b>≏</b> 02'40	1.2m
desc. node	13846 Aug 01 12:11	20°≈40'02	1.0111	greatest orimaney	13851 Sep 23 13:00	0°M	1.2111
direct	13846 Sep 07 18:04	12°≈15'23		evening set	13851 Sep 24 15:09	0°M51'25	
	13846 Nov 11 04:22	0° <b>∀</b>			13851 Nov 01 04:21	0° <b>⊼</b> 7	
	13847 Jan 08 09:08	$0^{\circ}$ $\Upsilon$					
	13847 Feb 28 01:40	0°B		conjunction	13851 Dec 02 01:16	23° <b>∡</b> 11′24	0°57'13
	13847 Apr 16 00:30	$\Pi^{\circ}$		minimum elong	13851 Dec 02 03:40	23° <b>х</b> 15′49	0°58'14
evening set	13847 May 20 04:14	23° <b>II</b> 06'13			13851 Dec 11 07:56	ರ∘ರ	
	13847 May 30 01:40	0ಂಣ		max. Earth dist.	13852 Jan 14 08:47	24° <b>る</b> 19'06	2.49175 AU
max. Earth dist.	13847 Jun 03 03:16	2° <b>9</b> 51'43	2.48720 AU		13852 Jan 22 12:50	0°≈	
	13847 Jul 10 16:30	$0$ $^{\circ}$ $\Omega$		morning rise	13852 Jan 29 14:43	4° <b>≈</b> 52'35	
					13852 Mar 07 02:25	0° <b>∀</b>	
conjunction	13847 Jul 11 19:10	0° <b>Ω</b> 49'21		desc. node	13852 Mar 22 23:02	10° <b>)</b> 16′52	
minimum elong	13847 Jul 11 20:40	0° <b>Ω</b> 52'07	0°24'30		13852 Apr 23 07:14	0° <b>Υ</b>	
asc. node	13847 Aug 15 15:22	27° <b>Ω</b> 06'06			13852 Jun 13 02:01	0° <b>8</b>	
	13847 Aug 19 09:55	0° m/y			13852 Aug 11 22:20	0°II	
morning rise	13847 Sep 12 03:13	18° <b>™</b> 24'41 0° <b>⊆</b>		retrograde	13852 Oct 05 08:01	13° <b>Ⅱ</b> 22'17	4057110
	13847 Sep 26 21:43 13847 Nov 03 22:55	0° <b>™</b>		opposition	13852 Nov 12 12:17 13852 Nov 13 13:51	4° <b>Ⅱ</b> 52'20 4° <b>Ⅱ</b> 27'59	
greatest brilliancy	13847 Nov 03 22:33 13847 Nov 13 15:20		1.2m	greatest brilliancy min. Earth dist.	13852 Nov 18 16:06	2° <b>П</b> 31'45	0.60958 AU
greatest brilliancy	13847 Dec 12 10:58	0° <b>∡</b> ¹	1.2111	min. Earth dist.	13852 Nov 18 16:00 13852 Nov 25 16:42	30°R <b>8</b>	0.00938 AU
	13848 Jan 21 09:21	% ਨ		direct	13852 Nov 23 10:42 13852 Dec 23 11:43	24° <b>8</b> 59'45	
	13848 Mar 03 22:34	0° <b>≈</b>		direct	13853 Jan 21 21:02	24 <b>О</b> 3743	
	13848 Apr 20 04:30	0° <b>∀</b>			13853 Mar 23 21:04	0°©	
desc. node	13848 Jun 18 16:51	29° <b>)</b> €08'24		asc. node	13853 Apr 06 14:30	8°9543'57	
	13848 Jun 21 04:53	0° <b>Υ</b>		× <del></del>	13853 May 07 13:02	0° <b>Ω</b>	
retrograde	13848 Jul 25 14:36	6° <b>Y</b> ′22'03			13853 Jun 16 20:12	0° m/	
-	13848 Aug 26 08:08	30° <b>₹</b>			13853 Jul 25 10:06	0∘ <u>⊽</u>	
min. Earth dist.	13848 Sep 02 20:47	27° <b>)</b> €05'47	0.67703 AU		13853 Sep 01 18:44	$0^{\circ}$ M	
opposition	13848 Sep 04 10:33	26° <b>¥</b> 28′23	-2°43'28		13853 Oct 10 23:55	0° <b>∡</b> ¹	
greatest brilliancy	13848 Sep 04 05:36	26° <b>)</b> 33′17	-1.3m		13853 Nov 20 19:19	8°0	
direct	13848 Oct 15 01:25	16° <b>¥</b> 51'37		evening set	13853 Nov 29 13:38	6° <b>る</b> 15'45	
	13848 Dec 07 23:14	0° <b>Υ</b>			13854 Jan 02 14:29	0° <b>≈</b>	
	13849 Feb 05 07:57	0°B					
	13849 Mar 26 09:32	0°Щ		conjunction	13854 Jan 22 10:18	13° <b>≈</b> 25'55	0°09'16
	13849 May 09 21:38	0₀ <b>ௐ</b>		minimum elong	13854 Jan 22 10:45	13° <b>≈</b> 26'40	0°10'06

behind sun begin	13854 Jan 21 18:14	12° <b>≈</b> 58'58			13859 Feb 18 08:28	0° <b>∡</b> ¹	
behind sun end	13854 Jan 23 03:16	13° <b>≈</b> 54′20		retrograde	13859 Apr 20 21:51	21° <b>≯</b> 28′16	
desc. node	13854 Feb 07 10:38	24° <b>≈</b> 05′21		min. Earth dist.	13859 May 17 15:45	16° <b>₹</b> 35'21	0.43160 AU
max. Earth dist.	13854 Feb 14 01:42	28° <b>≈</b> 27′20	2.60836 AU	greatest brilliancy	13859 May 24 05:45	14° <b>₹</b> 124'09	-2.5m
	13854 Feb 16 10:11	0° <b>∀</b>		opposition	13859 May 25 20:03	13° <b>≯</b> 52′08	5°50'22
morning rise	13854 Mar 11 13:29	15° <b>₩</b> 01'11		direct	13859 Jun 26 12:43	7° <b>҂</b> ¹40′09	
	13854 Apr 04 01:19	$0^{\circ}$ Y			13859 Sep 05 06:31	8°0	
	13854 May 22 07:18	$9^{\circ}$ 8		desc. node	13859 Sep 30 11:50	13° <b>る</b> 16'22	
	13854 Jul 11 13:08	$\Pi^{\circ}0$			13859 Oct 30 03:03	0° <b>≈</b>	
	13854 Sep 04 05:01	0°©			13859 Dec 19 21:11	0° <b>∀</b>	
retrograde	13854 Nov 24 14:45	26°919'44			13860 Feb 07 02:56	$0^{\circ}$ Y	
opposition	13854 Dec 28 20:15	19° <b>5</b> 26'06	-3°08'16		13860 Mar 26 00:44	0°8	
greatest brilliancy	13854 Dec 29 23:43	19° <b>©</b> 02'18	-2.2m	evening set	13860 Mar 27 05:02	0° <b>8</b> 45'01	
min. Earth dist.	13855 Jan 06 13:57	16°925'04	0.48194 AU	max. Earth dist.	13860 Apr 22 05:28	17° <b>8</b> 28'46	2.63560 AU
direct	13855 Feb 04 08:58	10°958'00				<b>G</b>	
asc. node	13855 Feb 23 01:05	13° <b>©</b> 19'35		conjunction	13860 May 10 16:35	29° <b>8</b> 34'04	-1°10'18
use. Houe	13855 Apr 03 22:03	0°Ω		minimum elong	13860 May 10 16:57	29° <b>8</b> 34'41	1°11'09
	13855 May 20 17:57	0° m)		minimum ciong	13860 May 11 08:17	0° <b>Ⅱ</b>	1 11 0)
	13855 Jun 30 19:39	0∘ <del>ت</del> الأس			13860 Jun 24 20:21	0°©	
	13855 Aug 09 18:55	0 <b>==</b> 0°M		mamina risa		0°9541'54	
	Č	0 IIL 0° <b>∡</b> 7		morning rise	13860 Jun 25 20:41		
	13855 Sep 19 09:40				13860 Aug 06 11:55	0°N	
	13855 Oct 31 12:21	0° <b>ප</b>		,	13860 Sep 16 11:12	0° Mp	
	13855 Dec 14 10:25	0°≈		asc. node	13860 Oct 15 00:16	21° m/30'21	
desc. node	13855 Dec 26 02:22	7°≈46'21			13860 Oct 26 03:38	0∘ <b>ত</b>	
evening set	13856 Jan 15 07:08	21° <b>≈</b> 04'10			13860 Dec 04 06:00	0° <b>M</b> ₊	
	13856 Jan 29 00:22	0° <b>∀</b>			13861 Jan 12 21:12	0° <b>∡</b> ¹	
					13861 Feb 23 23:14	0°ಕ	
conjunction	13856 Mar 01 22:05	21° <b>)</b> €09'28			13861 Apr 15 01:19	0° <b>≈</b>	
minimum elong	13856 Mar 01 21:01	21° <b>∺</b> 07'47	0°35'31	retrograde	13861 Jun 06 11:44	15° <b>≈</b> 08'46	
max. Earth dist.	13856 Mar 09 03:19		2.67257 AU	min. Earth dist.	13861 Jul 09 02:09	8° <b>≈</b> 01'53	0.56729 AU
	13856 Mar 15 19:16	$0^{\circ}$ Y		opposition	13861 Jul 15 18:55	5° <b>≈</b> 26'39	1°27'32
morning rise	13856 Apr 14 19:05	19° <b>Y</b> ′00'03		greatest brilliancy	13861 Jul 15 10:35	5° <b>≈</b> 34'42	-1.8m
	13856 May 02 05:20	$0^{\circ}$ 8			13861 Jul 31 18:08	30°Rる	
	13856 Jun 18 20:41	$\Pi$ °0		desc. node	13861 Aug 17 23:19	27° <b>ට</b> 16'55	
	13856 Aug 05 15:11	$0$ $\circ$ $\odot$		direct	13861 Aug 21 11:45	27° <b>る</b> 12'12	
	13856 Sep 22 22:28	$0^{\circ}\Omega$			13861 Sep 12 19:56	0° <b>≈</b>	
	13856 Nov 12 12:18	0° <b>m</b> )			13861 Nov 24 01:54	0° <b>)</b> €	
asc. node	13857 Jan 10 08:14	27° m 21'35			13862 Jan 16 21:03	$0^{\circ}\mathbf{\Upsilon}$	
	13857 Jan 20 16:48	0∘ <b>⊽</b>			13862 Mar 07 09:13	0°8	
retrograde	13857 Feb 06 13:20	1° <b>≏</b> 46'59			13862 Apr 23 00:17	$\Pi^{\circ}$	
C	13857 Feb 23 08:38	30°R, M)		evening set	13862 May 03 16:17	7° <b>Ⅱ</b> 06'22	
opposition	13857 Mar 08 02:07	26° m 54'22	4°10'20	max. Earth dist.	13862 May 19 23:47		2.53780 AU
greatest brilliancy	13857 Mar 08 07:41	26° m 50'39	-3.0m		13862 Jun 06 02:35	0ංම 	
min. Earth dist.	13857 Mar 10 08:05	26° m 18'11	0.36719 AU			-	
direct	13857 Apr 07 04:00	21° m/46'58	0.50717110	conjunction	13862 Jun 21 16:52	11°500'33	-0°44'39
unect	13857 May 13 13:51	0ಂ <del>⊽</del>		minimum elong	13862 Jun 21 18:41	11°503'47	
	13857 Jul 07 17:31	0° <b>m</b>		minimum ciong	13862 Jul 17 22:36	0° <b>Ω</b>	0 43 42
	13857 Aug 23 03:06	0° <b>∡</b> ⊓		morning rise	13862 Aug 16 08:09	21° <b>Ω</b> 56'23	
	13857 Oct 07 18:41	0°ਤੇ		morning 113¢	13862 Aug 26 22:25	0° <b>m</b> )	
desc. node	13857 Nov 12 02:35	22° <b>る</b> 56'39		asc. node	13862 Sep 01 12:21	4° Mp 16'29	
desc. Hode		0° <b>≈</b>		asc. node	13862 Sep 01 12.21 13862 Oct 04 15:56	ე∘ <b>⊽</b>	
	13857 Nov 23 01:51	0 <b>≈</b> 0° <b>∺</b>				0° <b>™</b>	
	13858 Jan 09 04:27				13862 Nov 11 21:10		
evening set	13858 Feb 21 00:23	27° <b>)</b> €01'56			13862 Dec 20 12:08	0° <b>∡</b>	
To all III	13858 Feb 25 17:18	0°Υ 21°Ω12127	2 (01(0 4))		13863 Jan 29 15:05	5°0	
max. Earth dist.	13858 Mar 31 05:58	21° <b>Y</b> 12'27	2.68160 AU		13863 Mar 13 18:28	0° <b>≈</b>	
	12050 1 05 55 15	0.4000	100.4121		13863 May 02 11:05	0° <b>∀</b>	
conjunction	13858 Apr 05 23:40	24° <b>Y</b> 51′09		desc. node	13863 Jul 06 05:44	23° <b>)</b> €06'41	
minimum elong	13858 Apr 05 22:44	24° <b>Y</b> 49'41	1°04'41	retrograde	13863 Jul 13 08:24	23° <b>¥</b> 25'46	
	13858 Apr 14 01:44	0° <b>8</b>		min. Earth dist.	13863 Aug 20 00:12	14° <b>)</b> € 39'28	0.65864 AU
morning rise	13858 May 19 04:44	22° <b>8</b> 32'42		opposition	13863 Aug 23 01:36	13° <b>¥</b> 26'45	
	13858 May 30 16:30	$\Pi$ °0		greatest brilliancy	13863 Aug 22 19:51	13° <b>)</b> 32′27	-1.4m
	13858 Jul 15 04:56	$0$ $\circ$ $\odot$		direct	13863 Oct 01 21:09	4° <b>₩</b> 06'15	
	13858 Aug 28 11:09	$0$ ° $\Omega$			13863 Dec 22 16:10	$0^{\circ}\Upsilon$	
	13858 Oct 10 12:00	0° <b>m</b> )			13864 Feb 14 23:22	$9^{\circ}$ 8	
	13858 Nov 21 15:31	0∘ <b>⊽</b>			13864 Apr 02 22:44	$\Pi^{\circ}0$	
asc. node	13858 Nov 28 07:43	4° <b>º</b> 46′10			13864 May 17 04:39	0ಂತಾ	
	13859 Jan 03 00:45	$0^{\circ}$ M		evening set	13864 Jun 18 03:35	22° <b>9</b> 57'46	

	13864 Jun 27 16:03	0° <b>Ω</b>			13869 Jul 21 05:24	0°Щ	
max. Earth dist.	13864 Jul 05 16:13		2.40268 AU			0°©	
asc. node	13864 Jul 19 01:09	16° <b>Ω</b> 05'51	2.40208 AU	retrograde	13869 Sep 23 04:48 13869 Nov 02 20:31	8°209'08	
asc. node	13864 Aug 06 03:16	0° <b>m</b> )		opposition	13869 Dec 08 22:00	0°930'52	4°16'41
	13604 Aug 00 03.10	V III					
	12064 A 10 11.44	00 m 2 (157	0021110	greatest brilliancy	13869 Dec 10 05:57 13869 Dec 10 07:49	0°©01'42 30°RⅡ	-1.9m
conjunction	13864 Aug 18 11:44	9° Mp 36'57		i. Danda diad		•	0.52746 AII
minimum elong	13864 Aug 18 09:47	9° <b>m</b> 33'07	0°20'48	min. Earth dist.	13869 Dec 17 00:45	27° <b>Ⅲ</b> 33'30	0.53746 AU
	13864 Sep 13 09:16	ია <b>ო</b>		direct	13870 Jan 17 06:35	21° <b>Ⅱ</b> 14'51	
	13864 Oct 21 06:28	0°M			13870 Feb 24 19:05	0°©	
morning rise	13864 Oct 30 14:53	7°M22'04		asc. node	13870 Mar 11 12:30	6° <b>©</b> 45'56	
	13864 Nov 28 16:14	0° <b>∡</b> ¹			13870 Apr 19 20:12	0° <b>N</b>	
	13865 Jan 07 11:40	5°0			13870 Jun 01 08:02	0° <b>m</b> )	
	13865 Feb 18 13:41	0° <b>≈</b>			13870 Jul 10 22:01	0∘ <b>亚</b>	
	13865 Apr 05 01:00	0° <b>∀</b>			13870 Aug 18 23:42	0°M√	
desc. node	13865 May 23 04:15	28° <b>¥</b> 10'03 0° <b>Ƴ</b>			13870 Sep 27 20:41	0° <b>⊼</b>	
. 1	13865 May 26 15:26				13870 Nov 08 07:38	5°0	
retrograde	13865 Aug 15 08:23	26° <b>Y</b> 28′02	2050146		13870 Dec 21 16:22	0° <b>≈</b>	
opposition	13865 Sep 24 22:47	16° <b>Y</b> 49'55		evening set	13870 Dec 29 15:56	5°≈22'52	
greatest brilliancy	13865 Sep 24 23:51	16° <b>Y</b> 48'52		desc. node	13871 Jan 11 18:06	14°≈07'32	
min. Earth dist.	13865 Sep 25 17:27		0.68546 AU		13871 Feb 04 21:07	0° <b>)</b> €	
direct	13865 Nov 05 08:49	6° <b>Y</b> ′55′23				>/	
	13866 Jan 19 01:55	0°B		conjunction	13871 Feb 16 10:25	7° <b>∺</b> 30′28	
	13866 Mar 12 20:21	0°II		minimum elong	13871 Feb 16 09:43	7° <b>)</b> €29'20	
	13866 Apr 27 07:20	0°©		max. Earth dist.	13871 Mar 01 08:44		2.65387 AU
asc. node	13866 Jun 05 23:05	28°931'12			13871 Mar 23 12:30	0°Υ	
	13866 Jun 07 22:50	0° <b>N</b>		morning rise	13871 Apr 02 11:41	6° <b>Y</b> 19'15	
. ,	13866 Jul 17 06:14	0° Mp			13871 May 10 03:24	0° <b>B</b>	
evening set	13866 Aug 24 11:08	0° <b>≏</b> 06′27			13871 Jun 27 12:09	0° <b>Ⅱ</b>	
	13866 Aug 24 07:53	ია <b>ო</b> 0∘ <b>ত</b>			13871 Aug 15 22:13	0° <b>©</b>	
	13866 Oct 01 03:44	0° <b>M</b>			13871 Oct 07 03:26	0° <b>N</b>	
	120(( N 05 04-07	27° <b>M</b> _19'05	1°06'21	4 1 -	13871 Dec 15 18:53	0° Му 2° Му 37'33	
conjunction minimum elong	13866 Nov 05 04:07 13866 Nov 05 04:40	27 1161903 27°11620'09	1°07'10	retrograde	13872 Jan 05 22:36 13872 Jan 26 14:08	2 11√3/33 30°RΩ	
minimum clong	13866 Nov 08 15:56	27 11G20 09 0° <b>⊼</b> 1	1 0/10	asc. node	13872 Jan 27 20:55	29°Ω40'54	
	13866 Dec 18 15:29	0°る		opposition	13872 Feb 05 22:46	$29^{\circ} \Omega^{40}$ 34 $27^{\circ} \Omega^{08}$ 26	0°38'43
max. Earth dist.	13866 Dec 26 21:39		2.43564 AU	greatest brilliancy	13872 Feb 06 02:34	27° <b>Ω</b> 05'36	-2.8m
morning rise	13867 Jan 09 07:42	15°පි40'02	2.43304 A0	min. Earth dist.	13872 Feb 12 18:59	25°Ω07'20	0.39892 AU
morning rise	13867 Jan 29 16:58	0°≈		direct	13872 Mar 09 22:37	20° <b>Ω</b> 44'20	0.57672710
	13867 Mar 15 07:26	0° <b>₩</b>		direct	13872 Apr 17 06:32	0°m)	
desc. node	13867 Apr 09 18:13	16° <b>)</b> 16'47			13872 Jun 08 13:52	0∘ <del>⊽</del>	
dese. Hode	13867 May 02 01:02	0°Υ			13872 Jul 22 07:06	0° <b>™</b>	
	13867 Jun 23 23:15	0°8			13872 Sep 03 03:17	0° <b>⊼</b>	
retrograde	13867 Sep 20 12:11	29° <b>8</b> 36'02			13872 Oct 16 20:32	° ਨ ਹ	
opposition	13867 Oct 29 15:55	20° <b>8</b> 41'22	-4°54'20	desc. node	13872 Nov 28 16:08	28° <b>る</b> 30'34	
greatest brilliancy	13867 Oct 30 10:17	20° <b>8</b> 23'36		dose. Hode	13872 Nov 30 22:42	0° <b>≈</b>	
min. Earth dist.	13867 Nov 03 08:01	18° <b>8</b> 53'06	0.64432 AU		13873 Jan 16 07:26	0° <b>∀</b>	
direct	13867 Dec 10 03:21	10° <b>8</b> 40'08	0.04432710	evening set	13873 Feb 06 21:27	13° <b>¥</b> 46'15	
	13868 Feb 12 12:17	0°II		evening sec	13873 Mar 04 11:03	0°Υ	
	13868 Apr 03 12:43	0ංම _				•	
asc. node	13868 Apr 23 04:18	13°916'25		conjunction	13873 Mar 23 12:11	12° <b>Y</b> ′04'12	-0°55'39
	13868 May 16 15:04	0°N		minimum elong	13873 Mar 23 11:03	12° <b>Υ</b> ′02'24	
	13868 Jun 25 09:27	0° mp		max. Earth dist.	13873 Mar 22 15:13	11° <b>Y</b> 30'59	2.68457 AU
	13868 Aug 02 16:31	0∘ <del>⊽</del>			13873 Apr 20 18:22	0°8	
	13868 Sep 09 18:50	0° <b>M</b> .		morning rise	13873 May 05 14:41	9° <b>8</b> 27'09	
	13868 Oct 18 16:41	0° <b>∡</b> 7			13873 Jun 06 16:22	0°II	
evening set	13868 Nov 06 12:45	14° <b>∡</b> ¹07'56			13873 Jul 22 20:56	0° <b>©</b>	
<i>8</i> - 11	13868 Nov 28 04:06	0°ರ			13873 Sep 06 05:33	0°N	
		-			13873 Oct 20 21:16	0° m)	
conjunction	13869 Jan 04 06:47	26° <b>ප</b> 17'06	0°29'04		13873 Dec 04 12:46	0∘ <mark>ಹ</mark>	
minimum elong	13869 Jan 04 08:16	26° <b>ප</b> 19'41	0°30'02	asc. node	13873 Dec 15 01:15	6° <b>≙</b> 55'40	
Č	13869 Jan 09 15:52	0° <b>≈</b>			13874 Jan 21 04:38	$0^{\circ}$ M	
max. Earth dist.	13869 Feb 03 05:31	16° <b>≈</b> 41'16	2.56849 AU	retrograde	13874 Mar 27 07:56	22°M57'29	
	13869 Feb 23 07:16	0° <b>∀</b>		min. Earth dist.	13874 Apr 22 03:12	18° <b>M</b> 40'04	0.38557 AU
morning rise	13869 Feb 24 12:08	0° <b>)</b> 47′21		greatest brilliancy	13874 Apr 26 20:15	17° <b>M</b> 17'54	-2.8m
desc. node	13869 Feb 24 04:10	0° <b>)</b> 34′18		opposition	13874 Apr 28 05:53	16°M53'11	6°51'56
	13869 Apr 11 00:35	$0^{\circ}$ $\Upsilon$		direct	13874 May 28 01:05	11°M38'46	
	13869 May 29 22:16	$9^{\circ}$ 8			13874 Jul 27 22:07	0° <b>∡</b> ¹	

desc. node	13874 Sep 20 02:51 13874 Oct 16 21:46	0°る 16°る02'04		behind sun end asc. node	13879 Jul 25 10:15 13879 Aug 05 21:54	14°Ω34'32 23°Ω19'13	
dese. node	13874 Nov 08 21:01	0° <b>≈</b>		450. 11040	13879 Aug 14 14:30	0° m)	
	13874 Dec 27 18:03	0° <b>)</b> €			13879 Sep 22 00:08	0∘ <b>ত</b>	
	13875 Feb 14 03:45	$0^{\circ}\mathbf{\Upsilon}$		morning rise	13879 Sep 29 03:46	5° <b>≏</b> 38'44	
evening set	13875 Mar 14 12:04	17° <b>Ƴ</b> 46'54			13879 Oct 29 23:20	0° <b>M</b> .	
	13875 Apr 02 18:24	0°8			13879 Dec 07 09:32	0° <b>∡</b> ′	
max. Earth dist.	13875 Apr 14 02:39	7° <b>8</b> 15'15	2.65993 AU		13880 Jan 16 05:23	5°0	
conjunction	13875 Apr 27 09:41	15° <b>8</b> 49'21	1911100		13880 Feb 27 11:53 13880 Apr 13 19:54	0° <b>≈</b> 0° <b>∀</b>	
minimum elong	13875 Apr 27 09:27	15° <b>8</b> 48'58		desc. node	13880 Jun 08 19:34	0° <b>Υ</b> 01'09	
minimum ciong	13875 May 19 03:24	0° <b>Ⅱ</b>	1 114)	dese. Hode	13880 Jun 08 18:31	0°Υ	
morning rise	13875 Jun 10 21:24	15° <b>Ⅱ</b> 05'19		retrograde	13880 Aug 02 03:49	14° <b>Υ</b> 04'14	
C	13875 Jul 02 23:08	0°©		opposition	13880 Sep 11 22:54	4° <b>Υ</b> 15'10	-3°11'50
	13875 Aug 15 03:06	$0^{\circ}\Omega$		min. Earth dist.	13880 Sep 11 05:17	4° <b>Ƴ</b> 32'37	0.68302 AU
	13875 Sep 25 17:18	0° <b>m</b>		greatest brilliancy	13880 Sep 11 19:31	4° <b>Υ</b> 18'32	-1.3m
asc. node	13875 Nov 01 19:27	27° <b>m</b> 32'55			13880 Sep 23 03:21	30° <b>₹</b>	
	13875 Nov 05 01:48	0∘ <b>⊽</b>		direct	13880 Oct 22 21:40	24° <b>)</b> € 31'00	
	13875 Dec 14 21:39	0°M			13880 Nov 24 15:47	0° <b>Υ</b>	
	13876 Jan 24 14:17	್ತ 0°₹			13881 Jan 30 00:41	0°Ⅱ 0°8	
retrograde	13876 Mar 09 08:37 13876 May 20 21:07	0 3 27° <b>る</b> 06'42			13881 Mar 21 03:48 13881 May 04 23:33	0°©	
min. Earth dist.	13876 Jun 20 02:29	27 30042 20°る50'24	0.51657 AU		13881 Jun 15 12:16	0° <b>U</b>	
opposition	13876 Jun 27 23:00	17°る54'39	3°06'02	asc. node	13881 Jun 22 15:20	5° <b>Ω</b> 20'07	
greatest brilliancy	13876 Jun 27 02:46		-2.1m		13881 Jul 24 20:28	0° mp	
direct	13876 Aug 01 22:31	10° <b>පි</b> 20'09		evening set	13881 Jul 25 23:15	0° Mp 52′06	
desc. node	13876 Sep 03 08:52	16° <b>පි</b> 00'00			13881 Aug 31 23:13	0∘ <b>⊽</b>	
	13876 Oct 08 04:22	0° <b>≈</b>					
	13876 Dec 04 08:16	0° <b>∀</b>		conjunction	13881 Oct 05 06:44	27° <b>£</b> 13'52	1°00'35
	13877 Jan 24 17:53	0° <b>Υ</b>		minimum elong	13881 Oct 05 03:30	27° <b>Ω</b> 07'28	1°00'56
	13877 Mar 14 11:06	0°8			13881 Oct 08 18:47	0°M	
evening set	13877 Apr 18 10:54	22° <b>8</b> 27'53 0° <b>I</b> I		max. Earth dist.	13881 Nov 16 04:52	0° <b>ᡘ</b> 6° <b>ᡘ</b> 14'28	2.37990 AU
max. Earth dist.	13877 Apr 29 21:48 13877 May 08 02:08		2.58185 AU	morning rise	13881 Nov 24 08:26 13881 Dec 16 03:41	0 <b>x</b> ·14 28 22° <b>x</b> <sup>7</sup> 40'40	2.37990 AU
max. Earth dist.	13677 Way 06 02.06	3 112027	2.38183 AU	morning risc	13881 Dec 16 03:41 13881 Dec 26 01:15	22 メ 40 40 0°る	
conjunction	13877 Jun 04 01:39	23° <b>∏</b> 44'14	-0°59'09		13882 Feb 06 00:36	0° <b>≈</b>	
minimum elong	13877 Jun 04 03:03	23° <b>Ⅱ</b> 46'39	1°00'11		13882 Mar 22 18:35	0° <b>∀</b>	
_	13877 Jun 13 02:50	0°€		desc. node	13882 Apr 26 12:11	21° <b>)</b> 45′01	
morning rise	13877 Jul 24 21:23	29°545'23			13882 May 10 09:06	$0^{\circ}$ Y	
	13877 Jul 25 05:23	$0$ $^{\circ}\Omega$			13882 Jul 06 07:36	0°8	
	13877 Sep 03 12:52	0°Щ		retrograde	13882 Sep 05 21:09	16° <b>8</b> 36'50	
asc. node	13877 Sep 18 08:41	11° Mp 18'19		opposition	13882 Oct 15 18:24	7° <b>8</b> 22'20	
	13877 Oct 12 13:36 13877 Nov 20 00:46	0° <b>II</b> r 0° <b>ত</b>		greatest brilliancy min. Earth dist.	13882 Oct 16 05:25	7° <b>と</b> 11'35 6° <b>と</b> 08'30	-1.3m 0.66851 AU
	13877 Dec 28 21:16	0° <b>⊼</b> 1		IIIII. Eartii dist.	13882 Oct 18 22:03 13882 Nov 05 23:32	0 000 30 30°RΥ	0.00831 AU
	13878 Feb 07 09:44	0°ਤ		direct	13882 Nov 26 10:05	27° <b>Y</b> 19'45	
	13878 Mar 23 17:02	0° <b>≈</b>			13882 Dec 18 03:08	0°8	
	13878 May 18 12:50	0° <b>)</b>			13883 Feb 24 23:02	$0^{\circ}\Pi$	
retrograde	13878 Jun 29 16:06	9° <b>)</b> 43′28			13883 Apr 13 16:41	0ಂತ	
desc. node	13878 Jul 22 18:24	6° <b>)</b> €05'10		asc. node	13883 May 10 16:40	18° <b>©</b> 51'02	
min. Earth dist.	13878 Aug 04 12:24	1° <b>∺</b> 31'36	0.63023 AU		13883 May 25 23:47	$0$ $^{\circ}$ $\Omega$	
	13878 Aug 08 09:11	30°R≈			13883 Jul 04 11:42	0° <b>m</b> )	
opposition	13878 Aug 09 00:57	29°≈44'25			13883 Aug 11 15:27	0∘ <b>亚</b>	
greatest brilliancy direct	13878 Aug 08 21:47 13878 Sep 16 19:35	29°≈47'32 20°≈44'58	-1.5m	evening set	13883 Sep 18 14:13 13883 Oct 11 11:21	0° <b>ጤ</b> 17° <b>ጤ</b> 50'48	
direct	13878 Oct 30 18:04	20 <b>≈</b> 44 38		evening set	13883 Oct 11 11.21 13883 Oct 27 07:07	0° <b>∡</b> 7	
	13879 Jan 02 04:56	0° <b>Υ</b>			13883 Dec 06 12:36	0°ਤ	
	13879 Feb 22 22:38	0°8					
	13879 Apr 11 05:49	0°II		conjunction	13883 Dec 15 08:45	6° <b>ප</b> 24'21	0°48'05
	13879 May 25 09:04	0°€		minimum elong	13883 Dec 15 11:07	6° <b>පි</b> 28'36	0°49'07
evening set	13879 May 30 06:16	3° <b>5</b> 26'12			13884 Jan 17 18:43	0° <b>≈</b>	
max. Earth dist.	13879 Jun 12 16:35		2.45747 AU	max. Earth dist.	13884 Jan 22 15:10	3° <b>≈</b> 20'47	2.52087 AU
	13879 Jul 05 23:09	$0$ ° $\Omega$		morning rise	13884 Feb 08 21:37	15°≈05'55	
agniumation	12970 Jul 24 12:26	120 0 52127	0000120	dana rada	13884 Mar 02 07:27	0° <b>₩</b> 6° <b>₩</b> 50'11	
conjunction minimum elong	13879 Jul 24 12:36 13879 Jul 24 13:18	13° <b>Ω</b> 53'36 13° <b>Ω</b> 54'55		desc. node	13884 Mar 13 00:24 13884 Apr 18 05:48	6° <b>米</b> 59'11 0° <b>Υ</b>	
behind sun begin	13879 Jul 24 15.18 13879 Jul 23 16:21	13° <b>Ω</b> 15'22	0 07 23		13884 Jun 07 03:13	0°8	
ooming sun begin	15077 Jul 25 10.21	15 0615 22			1500 15411 07 05.15	ÿ <b>O</b>	

	13884 Aug 02 00:46	0°Щ			13889 Oct 01 09:39	ი∘ჳ	
	•	0 П 22°П13'04		1 1-		0 3 20° <b>る</b> 20'01	
retrograde	13884 Oct 15 00:40		40.40150	desc. node	13889 Nov 02 08:48		
opposition	13884 Nov 21 13:07	13° <b>Ⅱ</b> 59'20			13889 Nov 17 14:49	0° <b>≈</b>	
greatest brilliancy	13884 Nov 22 18:01	13° <b>Ⅱ</b> 32'07			13890 Jan 04 05:43	0° <b>)</b> €	
min. Earth dist.	13884 Nov 28 11:20	11° <b>Ⅱ</b> 23'00	0.58643 AU		13890 Feb 21 00:44	0°Υ 	
direct	13885 Jan 01 01:59	4° <b>Ⅱ</b> 15'33		evening set	13890 Feb 28 20:32	4°Υ55'21	
	13885 Mar 15 19:24	0ა <b>ௐ</b>		max. Earth dist.	13890 Apr 05 06:21	27° <b>Y</b> 19'37	2.67633 AU
asc. node	13885 Mar 28 01:00	7° <b>©</b> 17'43			13890 Apr 09 11:02	0°B	
	13885 May 01 07:00	$0^{\circ}\Omega$					
	13885 Jun 11 03:27	0° <b>™</b>		conjunction	13890 Apr 13 15:54	2° <b>8</b> 40'56	
	13885 Jul 19 23:41	0∘ <b>⊽</b>		minimum elong	13890 Apr 13 15:12	2° <b>8</b> 39'48	1°08'24
	13885 Aug 27 12:43	$0^{\circ}$ M			13890 May 25 23:40	$\Pi^{\circ}0$	
	13885 Oct 05 21:50	0° <b>∡</b> 7		morning rise	13890 May 27 03:54	0° <b>Ⅱ</b> 46′07	
	13885 Nov 15 21:18	8°0			13890 Jul 10 05:51	$0$ $\circ$ $\odot$	
evening set	13885 Dec 11 03:31	17° <b>る</b> 49'02			13890 Aug 23 01:56	$0^{\circ}\Omega$	
	13885 Dec 28 19:56	0° <b>≈</b>			13890 Oct 04 12:21	0° <b>m</b> y	
desc. node	13886 Jan 28 11:56	20° <b>≈</b> 37'09			13890 Nov 14 20:35	0∘ <b>ত</b>	
				asc. node	13890 Nov 18 15:17	2° <b>₽</b> 45'57	
conjunction	13886 Jan 31 21:16	22° <b>≈</b> 51'43	-0°01'59		13890 Dec 25 22:54	0° <b>M</b> .	
minimum elong	13886 Jan 31 21:15	22° <b>≈</b> 51'42	0°01'15		13891 Feb 07 00:10	0° <b>∡</b> ¹	
behind sun begin	13886 Jan 31 00:59	22° <b>≈</b> 18'13			13891 Apr 03 07:40	ਰ°0	
behind sun end	13886 Feb 01 17:31	23° <b>≈</b> 25'09		retrograde	13891 May 03 00:23	5° <b>る</b> 53'58	
comma sum ema	13886 Feb 11 17:44	0° <b>∀</b>		min. Earth dist.	13891 May 30 20:20		0.46163 AU
max. Earth dist.	13886 Feb 19 20:05		2.62692 AU	mm. Larm dist.	13891 Jun 01 10:26	30°R. <b>₹</b>	0.40103710
morning rise	13886 Mar 19 17:11	23° <b>¥</b> 15′09	2.02092 AU	greatest brilliancy	13891 Jun 06 21:35	28° <b>∡</b> 104'42	-2.4m
morning risc	13886 Mar 30 07:40	25 <b>γ</b> (1509		-	13891 Jun 08 06:56	27° <b>х</b> 35'24	4°52'54
		0° <b>8</b>		opposition		27 <b>x</b> ⋅33 24 20° <b>x</b> ⋅51'20	4 32 34
	13886 May 17 06:33	0°U		direct	13891 Jul 11 05:09		
	13886 Jul 05 16:06				13891 Aug 22 02:04	0°る	
	13886 Aug 26 18:28	0°50		desc. node	13891 Sep 20 18:09	13° <b>る</b> 08'58	
	13886 Oct 28 11:24	0°N			13891 Oct 22 21:28	0° <b>≈</b>	
retrograde	13886 Dec 08 12:37	8° <b>Ω</b> 33'09			13891 Dec 14 06:44	0° <b>∀</b>	
opposition	13887 Jan 10 16:02	2° <b>Ω</b> 07'59			13892 Feb 02 04:04	0° <b>Υ</b>	
greatest brilliancy	13887 Jan 11 11:05	1° <b>Ω</b> 52'10	-2.4m		13892 Mar 21 08:12	0°8	
	13887 Jan 17 01:57	30°ષ્ટ્		evening set	13892 Apr 04 03:23	8° <b>8</b> 48'03	
min. Earth dist.	13887 Jan 19 06:01	29° <b>©</b> 17'52	0.45070 AU	max. Earth dist.	13892 Apr 27 19:45	24° <b>8</b> 09'14	2.61874 AU
asc. node	13887 Feb 13 10:03	24° <b>©</b> 20'03			13892 May 06 17:01	$\Pi$ °0	
direct	13887 Feb 15 19:03	24° <b>©</b> 17'35					
	13887 Mar 17 09:06	$0^{\circ}\Omega$		conjunction	13892 May 19 04:12	8° <b>Ⅱ</b> 17'18	-1°07'44
	13887 May 11 23:01	O° Mp		minimum elong	13892 May 19 04:57	8° <b>Ⅱ</b> 18'34	1°08'40
	13887 Jun 23 18:06	0∘ <b>⊽</b>			13892 Jun 20 02:49	$0$ $\circ$ $\odot$	
	13887 Aug 03 13:24	$0^{\circ}$ M.		morning rise	13892 Jul 05 15:57	10° <b>5</b> 49'39	
	13887 Sep 13 17:20	0° <b>∡</b> ¹			13892 Aug 01 14:08	$0^{\circ}\Omega$	
	13887 Oct 26 06:12	0° <b>ට</b>			13892 Sep 11 07:48	0° <b>m</b> y	
	13887 Dec 09 11:52	0° <b>≈</b>		asc. node	13892 Oct 05 05:58	18° Mp 06'31	
desc. node	13887 Dec 16 05:40	4° <b>≈</b> 28'31			13892 Oct 20 18:19	0∘ <b>ত</b>	
evening set	13888 Jan 24 02:44	29° <b>≈</b> 53'02			13892 Nov 28 14:17	0°M₊	
8	13888 Jan 24 07:03	0° <b>)</b> €			13893 Jan 06 20:17	0° <b>∡</b> ¹	
					13893 Feb 17 02:39	0°రె	
conjunction	13888 Mar 09 20:41	29° <b>)</b> 10′13	-0°43'56		13893 Apr 04 21:20	0° <b>≈</b>	
minimum elong	13888 Mar 09 19:32	29° <b>)</b> (08'23		retrograde	13893 Jun 15 06:03	24° <b>≈</b> 51'54	
minimum ciong	13888 Mar 11 04:02	0°Υ	0 13 10	min. Earth dist.	13893 Jul 19 01:29	17°≈19'57	0.59199 AU
max. Earth dist.	13888 Mar 14 03:42	1° <b>Υ</b> ′53'47	2.67917 AU	opposition	13893 Jul 25 00:12	15° <b>≈</b> 00'31	0°36'17
morning rise	13888 Apr 22 07:53	26° <b>Y</b> '42'52	2.07717710	greatest brilliancy	13893 Jul 24 21:07	15°≈03'32	-1.7m
morning risc	13888 Apr 27 12:28	0°8		desc. node	13893 Aug 08 04:21	9°≈58'50	-1./111
	13888 Jun 13 20:32	0°II		direct	13893 Aug 08 04.21 13893 Aug 31 12:09	6°≈27'59	
	13888 Jul 30 22:53	0°©		direct	13893 Nov 16 03:21	0 <b>≈</b> 2739	
						0 K 0°Υ	
	13888 Sep 15 22:18	0° <b>N</b>			13894 Jan 11 05:28		
	13888 Nov 02 11:09	0° <b>m</b> )			13894 Mar 02 10:15	0°B	
	13888 Dec 23 17:34	0° <b>™</b>			13894 Apr 18 07:01	0°П	
asc. node	13888 Dec 31 15:43	4° <b>₽</b> 04'02		evening set	13894 May 12 20:20	16°Ⅲ28'52	0.51051 :==
retrograde	13889 Feb 25 05:00	20° <b>△</b> 33'14		max. Earth dist.	13894 May 27 14:33		2.51051 AU
opposition	13889 Mar 26 22:55	15° <b>≏</b> 35'00	5°50'56		13894 Jun 01 09:53	$0$ $\circ$	
min. Earth dist.	13889 Mar 25 18:23	15° <b>≏</b> 53'56	0.36405 AU				
greatest brilliancy	13889 Mar 26 14:47	15° <b>≏</b> 40'24	-3.0m	conjunction	13894 Jul 02 16:34	22° <b>©</b> 19'28	
direct	13889 Apr 25 01:47	10° <b>≏</b> 44'55		minimum elong	13894 Jul 02 18:19	22° <b>©</b> 22'40	0°34'24
	13889 Jun 24 18:02	$0^{\circ}$ M			13894 Jul 13 04:12	$0^{\circ}\Omega$	
	13889 Aug 14 23:29	0° <b>∡</b> ¹		asc. node	13894 Aug 22 16:49	0° <b>m</b> 29'57	

	13894 Aug 22 01:12	0° m/y			13899 Nov 04 18:26	30° <b>₹</b> 8	
morning rise	13894 Aug 30 19:27	6° Mp 44'23		opposition	13899 Nov 04 18:20 13899 Nov 07 00:02	29° <b>8</b> 08'56	1057111
morning rise	13894 Sep 29 15:58	0° <u>Ω</u>		greatest brilliancy	13899 Nov 07 00:02 13899 Nov 07 22:34	29 <b>8</b> 08 30	
	13894 Nov 06 18:55	0°M		min. Earth dist.		28 <b>8</b> 47 19 27° <b>8</b> 02'16	0.62624 AU
					13899 Nov 12 12:06	_	0.02024 AU
	13894 Dec 15 07:27	0° <b>⊼</b>		direct	13899 Dec 18 05:32	19° <b>8</b> 11'22	
	13895 Jan 24 06:19	್ತಿ			13900 Feb 01 15:08	0°Ⅱ	
	13895 Mar 07 22:36	0° <b>≈</b>			13900 Mar 28 23:05	0.22	
	13895 Apr 24 20:52	0° <b>)</b> €		asc. node	13900 Apr 14 12:14	10°5549'32	
desc. node	13895 Jun 26 10:09	27° <b>)</b> ₹56'18			13900 May 11 22:26	$0^{\circ}\Omega$	
	13895 Jul 05 17:20	0° <b>Υ</b>			13900 Jun 21 00:19	0° <b>m</b> )	
retrograde	13895 Jul 20 23:49	1° <b>Y</b> 23'49			13900 Jul 29 11:15	0∘ <b>ত</b>	
	13895 Aug 04 13:03	30° <b>Ŗ</b> ₩			13900 Sep 05 16:42	0° <b>M</b> -	
min. Earth dist.	13895 Aug 28 13:02	22° <b>)</b> €20′21			13900 Oct 14 17:37	0°⊀	
opposition	13895 Aug 30 18:34	21° <b>¥</b> 27'17		evening set	13900 Nov 20 23:17	27° <b>∡</b> ³33'47	
greatest brilliancy	13895 Aug 30 12:50	21° <b>)</b> 32′58	-1.3m		13900 Nov 24 08:10	0°る	
direct	13895 Oct 10 00:48	11° <b>¥</b> 57'18			13901 Jan 05 22:35	0° <b>≈</b>	
	13895 Dec 14 08:00	$0^{\circ}$ Y					
	13896 Feb 09 06:50	$9^{\circ}$ 8		conjunction	13901 Jan 15 19:56	6° <b>≈</b> 45'41	0°17'35
	13896 Mar 28 22:24	$\Pi$ °0		minimum elong	13901 Jan 15 20:49	6° <b>≈</b> 47'10	0°18'29
	13896 May 12 09:16	0		max. Earth dist.	13901 Feb 10 13:19	24° <b>≈</b> 01'18	2.59146 AU
	13896 Jun 22 21:33	$0^{\circ}\Omega$		desc. node	13901 Feb 15 06:14	27° <b>≈</b> 07'53	
evening set	13896 Jun 30 16:19	5° <b>Ω</b> 49'06			13901 Feb 19 14:53	0° <b>)</b> €	
asc. node	13896 Jul 09 08:14	12° <b>Ω</b> 21'31		morning rise	13901 Mar 06 05:01	9° <b>)</b> €31′08	
max. Earth dist.	13896 Jul 28 08:59	26° <b>Ω</b> 56′22	2.37573 AU		13901 Apr 07 05:31	$0^{\circ}$ Y	
	13896 Aug 01 07:48	0° <b>m</b> ∕			13901 May 25 16:41	0°B	
					13901 Jul 15 15:41	$\Pi^{\circ}0$	
conjunction	13896 Sep 03 21:17	26° <b>m</b> 19'55	0°38'12		13901 Sep 10 22:47	$0$ $\circ$ $\odot$	
minimum elong	13896 Sep 03 17:44	26° Mp 12'52	0°37'58	retrograde	13901 Nov 15 17:27	18° <b>©</b> 35'31	
	13896 Sep 08 12:31	0∘ <b>亚</b>		opposition	13901 Dec 20 19:03	11° <b>©</b> 20'37	-3°42'41
	13896 Oct 16 08:46	0° <b>M</b>		greatest brilliancy	13901 Dec 22 01:35	10° <b>©</b> 53'23	-2.1m
morning rise	13896 Nov 17 11:43	25°M09'51		min. Earth dist.	13901 Dec 29 08:10	8°9518'27	0.50723 AU
	13896 Nov 23 17:55	0° <b>∡</b>		direct	13902 Jan 28 05:09	2° <b>©</b> 27'57	
	13897 Jan 02 12:38	0°రె		asc. node	13902 Mar 02 22:22	9° <b>5</b> 29'49	
	13897 Feb 13 12:09	0° <b>≈</b>			13902 Apr 12 00:14	$0^{\circ}\Omega$	
	13897 Mar 30 14:03	0° <b>∀</b>			13902 May 26 10:59	0° <b>m</b> y	
desc. node	13897 May 13 06:34	26° <b>¥</b> 24'39			13902 Jul 05 18:06	0∘ <u>⊽</u>	
	13897 May 19 16:14	$0^{\circ}$ $\Upsilon$			13902 Aug 14 06:08	$0^{\circ}$ M	
	13897 Jul 26 12:13	0° <b>႘</b>			13902 Sep 23 11:16	0° <b>⊼</b>	
retrograde	13897 Aug 23 01:29	4° <b>8</b> 03'59			13902 Nov 04 05:18	0°ెవ	
	13897 Sep 17 11:51	30° <b>₹</b> Υ			13902 Dec 17 20:00	0° <b>≈</b>	
opposition	13897 Oct 02 10:45	24° <b>Y</b> ′33'30	-4°12'42	desc. node	13903 Jan 02 20:49	10° <b>≈</b> 43'33	
greatest brilliancy	13897 Oct 02 15:03	24° <b>Y</b> ′29'16		evening set	13903 Jan 09 07:44	15° <b>≈</b> 00'10	
min. Earth dist.	13897 Oct 04 01:43	23° <b>Y</b> ′55'12	0.68228 AU	- · · · · · · · · · · · · · · · · · · ·	13903 Feb 01 04:42	0° <b>)</b> €	
direct	13897 Nov 12 23:50	14° <b>Y</b> '34'58	0.00220110		13,03100 01 01.12	٠,٨	
	13898 Jan 10 05:05	0°8		conjunction	13903 Feb 25 19:13	15° <b>)</b> 53'45	-0°29'32
	13898 Mar 06 22:38	0°П		minimum elong	13903 Feb 25 18:17	15° <b>)</b> 52'14	
	13898 Apr 22 01:54	0°©		max. Earth dist.	13903 Mar 07 13:05		2.66535 AU
asc. node	13898 May 27 07:15	25° <b>©</b> 05'14		max. Earth dist.	13903 Mar 19 21:08	0°Υ	2.00333710
ase. Hode	13898 Jun 02 22:53	0°Ω		morning rise	13903 Apr 11 02:54	14° <b>Υ</b> 05'44	
	13898 Jul 12 07:59	0°m)			13903 May 06 08:46	0°8	
	13898 Aug 19 10:18	0∘ <del>ت</del> مار			13903 Jun 23 06:56	0°II	
evening set	13898 Sep 10 23:05	0 <u>−</u> 17° <b>≏</b> 53'07			13903 Aug 10 16:40	0°95	
evening set	13898 Sep 26 06:46	0°M			13903 Sep 29 08:57	0°N	
	13898 Nov 03 19:46	0° <b>⊼</b> ¹			13903 Nov 22 22:33	0°mp	
	13898 1101 03 19.40	0 🗴		asc. node	13904 Jan 19 06:55	18° Mp 37'53	
anniumation	12000 Nov. 20, 10:46	120.754220	1°02'31			-	
conjunction minimum elong	13898 Nov 20 19:46 13898 Nov 20 21:45	12° <b>х</b> 54′28 12° <b>х</b> 58′11	1°02'31 1°03'28	retrograde opposition	13904 Jan 24 21:57 13904 Feb 23 20:18	18° Mp 49'58	2°37'35
mmmum eiong		12° <b>x</b> '38'11	1 03 40			13° Mp 46'21	-3.0m
max. Earth dist.	13898 Dec 13 20:15 13899 Jan 07 04:18	0°5 17° <b>る</b> 32'58	2.46696 AU	greatest brilliancy min. Earth dist.	13904 Feb 24 05:36	13° mp 39'53 12° mp 28'40	-3.0m 0.37779 AU
		17°632'58 27° <b>る</b> 23'52	4.40090 AU		13904 Feb 28 12:09	-•	0.31119 AU
morning rise	13899 Jan 21 04:17 13899 Jan 24 22:04	2/° <b>⊙</b> 23′32 0° <b>≈</b>		direct	13904 Mar 26 02:52 13904 May 28 08:45	8° <b>₯</b> 09'21 0° <b>௨</b>	
	13899 Jan 24 22:04 13899 Mar 10 10:09	0° <b>∺</b>			•	0° <b>™</b>	
desc. node	13899 Mar 10 10:09 13899 Mar 30 18:54	13° <b>∺</b> 09'13			13904 Jul 15 00:05	0°11∟ 0° <b>√</b> 1	
uese. Houe		13° <del>Υ</del> 09'13 0° <b>Υ</b>			13904 Aug 28 10:23	0°×' ਨ°0	
	13899 Apr 26 17:58 13899 Jun 17 05:00	0° <b>8</b>		desc. node	13904 Oct 12 01:18 13904 Nov 19 19:25	0°8 25° <b>る</b> 30'09	
		0° <b>I</b>		uese. Houe		25° <b>⊘</b> 3009	
retrograda	13899 Aug 20 08:42 13899 Sep 29 08:42	0°Щ 7°Щ50'27			13904 Nov 26 17:29 13905 Jan 12 10:58	0° <b>∺</b>	
retrograde	13033 SEP 29 U8.42	/ Д302/			13703 Jan 12 10.38	υ <b>Λ</b>	

						_	
evening set	13905 Feb 16 00:41	21° <b>¥</b> 55′24			13909 Oct 08 11:15	0∘ <b>⊽</b>	
	13905 Feb 28 19:09	0°Υ			13909 Nov 15 18:57	0°M	
max. Earth dist.	13905 Mar 28 14:04	1704/35/14	2.68405 AU		13909 Dec 24 11:22	0° <b>∡</b> 7	
	12005 4 01 05 10	1000052110	1001110		13910 Feb 02 16:19	0°ප	
conjunction	13905 Apr 01 05:10	19° <b>Υ</b> 53'18			13910 Mar 18 03:10	0° <b>€</b>	
minimum elong	13905 Apr 01 04:08	19° <b>℃</b> 51'40	1°01′24		13910 May 08 09:50		
	13905 Apr 17 03:09	0° <b>と</b> 17° <b>と</b> 22'31		retrograde	13910 Jul 08 13:56	18° <b>升</b> 10'18 17° <b>升</b> 58'46	
morning rise	13905 May 14 07:26 13905 Jun 02 21:17	0°Ⅱ		desc. node min. Earth dist.	13910 Jul 13 22:53		0.64714 AU
	13905 Jul 18 16:59	0°©		opposition	13910 Aug 14 10:39 13910 Aug 18 03:36	8°¥10′24	
	13905 Sep 01 10:38	0°€ 0°€		greatest brilliancy	13910 Aug 17 03:30 13910 Aug 17 22:23	8° <del>X</del> 15'35	
	13905 Oct 15 03:03	0°m)		greatest orimaney	13910 Sep 13 19:53	30°R≈	-1.4111
	13905 Nov 27 04:22	0∘ <u>ت</u> س		direct	13910 Sep 26 12:13	28°≈58'40	
asc. node	13905 Dec 06 08:02	ი — 6° <b>ჲ</b> 21'49		direct	13910 Oct 09 21:39	0° <b>)</b>	
use. Houe	13906 Jan 10 02:24	0° <b>™</b>			13910 Dec 27 10:41	0°Υ	
	13906 Mar 02 22:39	0° <b>×</b> 7⊓			13911 Feb 18 14:41	0°8	
retrograde	13906 Apr 11 17:23	10° <b>₹</b> 05'26			13911 Apr 07 08:19	0°II	
min. Earth dist.	13906 May 07 19:19	5° <b>х</b> 32′39	0.40904 AU		13911 May 21 14:24	0°95	
greatest brilliancy	13906 May 13 18:19	3° <b>∡</b> ¹40'11	-2.7m	evening set	13911 Jun 11 04:02	14° <b>©</b> 37'41	
opposition	13906 May 15 09:13	3° <b>₹</b> 09'21	6°26'56	max. Earth dist.	13911 Jun 25 17:24	25° <b>©</b> 14'07	2.42690 AU
**	13906 May 26 07:14	30°RM			13911 Jul 02 04:17	$0^{\circ}\Omega$	
direct	13906 Jun 15 03:27	27°M24'12		asc. node	13911 Jul 28 02:20	19° <b>Ω</b> 30'26	
	13906 Jul 05 18:12	0° <b>∡</b> ″					
	13906 Sep 12 11:36	ರ°ರ		conjunction	13911 Aug 08 14:24	28° <b>Ω</b> 19'58	0°08'07
desc. node	13906 Oct 08 03:49	14° <b>る</b> 28'40		minimum elong	13911 Aug 08 13:45	28° <b>Ω</b> 18'43	0°07'28
	13906 Nov 03 15:10	0° <b>≈</b>		behind sun begin	13911 Aug 07 13:23	27° <b>Ω</b> 31'45	
	13906 Dec 23 11:14	0° <b>∀</b>		behind sun end	13911 Aug 09 14:07	29° <b>Ω</b> 05'43	
	13907 Feb 10 07:42	$0$ ° $\Upsilon$			13911 Aug 10 18:14	0° <b>™</b>	
evening set	13907 Mar 23 07:26	25° <b>Y</b> 40'38			13911 Sep 18 02:15	0∘ <b>⊽</b>	
	13907 Mar 30 02:49	$9^{\circ}$ 8		morning rise	13911 Oct 18 05:39	23° <b>≏</b> 51'13	
max. Earth dist.	13907 Apr 20 09:38	13° <b>8</b> 38'29	2.64758 AU		13911 Oct 26 00:22	$0^{\circ}$ M	
					13911 Dec 03 09:40	0° <b>∡</b>	
conjunction	13907 May 06 10:57	24° <b>8</b> 04'24			13912 Jan 12 03:54	6°0	
minimum elong	13907 May 06 11:04	24° <b>8</b> 04'35	1°12'00		13912 Feb 23 05:51	0° <b>≈</b>	
	13907 May 15 11:47	0°II			13912 Apr 08 22:04	0° <b>∀</b>	
morning rise	13907 Jun 20 18:32	24° <b>Ⅱ</b> 16′04		desc. node	13912 May 30 23:00	29° <b>)</b> (36′36	
	13907 Jun 29 04:05	0°©		. 1	13912 May 31 17:40	0°Υ 21° <b>Ω</b> 40'20	
	13907 Aug 11 01:56	0° <b>N</b>		retrograde	13912 Aug 10 16:43	21° <b>Υ</b> 40'29	2027105
aga mada	13907 Sep 21 08:13	0° <b>Т</b> р 24° <b>Тр</b> 29'42		opposition greatest brilliancy	13912 Sep 20 09:25	11° <b>Y</b> 57'06 11° <b>Y</b> 58'13	-3°37'05 -1.2m
asc. node	13907 Oct 24 01:16 13907 Oct 31 07:38	24° III/29°42 0° <b>Ω</b>		min. Earth dist.	13912 Sep 20 08:17 13912 Sep 20 11:57	11° \ 58'13	-1.2m 0.68564 AU
	13907 Dec 09 16:51	0 <b>==</b> 0° <b>M</b> ₊		direct	13912 Sep 20 11.37 13912 Oct 31 14:32	2°Υ06'40	0.06304 AU
	13907 Dec 09 10:31 13908 Jan 18 16:15	0° <b>⊼</b> ¹		direct	13912 Oct 31 14:32 13913 Jan 24 03:01	0°8	
	13908 Mar 01 12:48	0°ਤੇ			13913 Mar 16 17:28	0°II	
	13908 Apr 24 23:11	0° <b>≈</b>			13913 Apr 30 23:07	0°95	
retrograde	13908 May 31 13:46	8° <b>≈</b> 10'07			13913 Jun 11 14:40	$0 {\circ} {\mathfrak O}$	
min. Earth dist.	13908 Jul 02 03:03	1° <b>≈</b> 24'34	0.54544 AU	asc. node	13913 Jun 13 22:27	1° <b>Ω</b> 43'57	
	13908 Jul 05 20:10	30°Rる			13913 Jul 20 23:09	0° <b>m</b> y	
opposition	13908 Jul 09 08:39	28° <b>る</b> 38'58	2°07'50	evening set	13913 Aug 12 03:03	17° <b>m</b> 22'49	
greatest brilliancy	13908 Jul 08 19:38	28° <b>る</b> 51'25	-1.9m	•	13913 Aug 28 01:28	0∘ <b>ত</b>	
direct	13908 Aug 14 07:41	20° <b>පි</b> 41'01			13913 Oct 04 21:00	$0^{\circ}$ M	
desc. node	13908 Aug 25 15:29	21° <b>る</b> 27'33					
	13908 Sep 26 15:18	0° <b>≈</b>		conjunction	13913 Oct 24 00:24	15°M02'36	1°06'04
	13908 Nov 28 17:49	0° <b>∀</b>		minimum elong	13913 Oct 23 23:17	15°M00'25	1°06'44
	13909 Jan 20 10:23	$0$ ° $\Upsilon$			13913 Nov 12 07:33	0° <b>∡</b> 7	
	13909 Mar 10 14:57	$9^{\circ}$ 8		max. Earth dist.	13913 Dec 16 18:12		2.41000 AU
	13909 Apr 26 05:16	$\Pi$ °0			13913 Dec 22 04:29	0°ප	
evening set	13909 Apr 27 23:42	1° <b>Ⅱ</b> 10′12		morning rise	13913 Dec 31 07:55	6° <b>る</b> 40'44	
max. Earth dist.	13909 May 15 16:42		2.55847 AU		13914 Feb 02 03:35	0° <b>≈</b>	
	13909 Jun 09 10:02	$0$ $\circ$			13914 Mar 18 17:28	0° <b>∀</b>	
	12000 7	20-21	005115	desc. node	13914 Apr 17 14:22	18° <b>)</b> € 58'53	
conjunction	13909 Jun 14 19:25	3°546'06			13914 May 05 16:52	0°Υ •••	
minimum elong	13909 Jun 14 21:06	3°549'03	0°52′38		13914 Jun 28 20:06	0°8	
	13909 Jul 21 10:10	0°Ω 12°Ω17'10		retrograde	13914 Sep 15 02:24	24° <b>8</b> 26'35	4040117
morning rise	13909 Aug 07 01:43	12° <b>Ω</b> 17'18		opposition	13914 Oct 24 14:25	15° <b>8</b> 22'35	
asa nada	13909 Aug 30 14:13	0° <b>Т</b> р 7° <b>Тр</b> 38'27		greatest brilliancy	13914 Oct 25 05:33	15° <b>8</b> 07'54	-1.3m 0.65650 AU
asc. node	13909 Sep 09 14:09	/ III 382/		min. Earth dist.	13914 Oct 28 14:21	13 049724	0.03030 AU

direct	13914 Dec 05 04:11	5° <b>8</b> 19'52		evening set	13920 Feb 02 15:21	8° <b>∺</b> 24'04	
	13915 Feb 18 10:28	$\Pi$ $^{\circ}0$			13920 Mar 07 13:03	$0$ ° $\Upsilon$	
	13915 Apr 08 21:58	$0$ $\circ$ $\odot$					
asc. node	13915 May 02 02:39	15° <b>©</b> 53'49		conjunction	13920 Mar 18 16:42	7° <b>Ƴ</b> 04'30	-0°51'10
	13915 May 21 16:42	$\Omega^{\circ}\Omega$		minimum elong	13920 Mar 18 15:31	7° <b>Ƴ</b> 02'39	0°51'11
	13915 Jun 30 08:49	0° m		max. Earth dist.	13920 Mar 20 03:28	7° <b>Ƴ</b> 59'37	2.68316 AU
	13915 Aug 07 14:21	0∘ <b>⊽</b>		man. Darun alot.	13920 Apr 23 20:36	0°8	2.00310110
	13915 Sep 14 14:37	0° <b>m</b> .		morning rise	13920 Apr 20 20:30 13920 Apr 30 21:35	4° <b>8</b> 28'11	
	•			morning rise	•	4 <b>3</b> 28 11 0° <b>Ⅱ</b>	
	13915 Oct 23 09:17	0° <b>⊼</b> ¹			13920 Jun 09 22:53		
evening set	13915 Oct 28 05:35	3° <b>∡</b> ¹40'42			13920 Jul 26 12:50	0ංම	
	13915 Dec 02 16:40	0°ರ			13920 Sep 10 13:07	$0$ $^{\circ}\Omega$	
					13920 Oct 26 06:11	0° <b>m</b> ∤	
conjunction	13915 Dec 28 14:38	18° <b>ප</b> 33'00	0°37'23		13920 Dec 11 21:02	0∘ <b>ত</b>	
minimum elong	13915 Dec 28 16:34	18° <b>පි</b> 36'24	0°38'24	asc. node	13920 Dec 23 00:50	6° <b>£</b> 51'22	
	13916 Jan 14 00:32	0° <b>≈</b>			13921 Feb 04 08:58	0°M₊	
max. Earth dist.	13916 Jan 31 03:56	11° <b>≈</b> 43'42	2.54812 AU	retrograde	13921 Mar 15 19:40	9° <b>M</b> 27'37	
morning rise	13916 Feb 19 13:43	24°≈44'01	2.0 .012 110	min. Earth dist.	13921 Apr 11 06:27		0.37191 AU
morning risc	13916 Feb 27 13:09	0° <b>)</b>				4°ML17'00	
				greatest brilliancy	13921 Apr 14 11:33		-2.9m
desc. node	13916 Mar 04 00:27	3° <b>)</b> (35′09		opposition	13921 Apr 15 11:32	4°M00'26	6°45'30
	13916 Apr 14 07:04	0° <b>Υ</b>			13921 May 02 18:34	30° <b>₹</b> Ω	
	13916 Jun 02 12:29	$8^{\circ}$ 0		direct	13921 May 14 16:07	29° <b>≏</b> 04'21	
	13916 Jul 25 23:43	$\Pi$ $^{\circ}0$			13921 May 26 14:53	0°M.	
	13916 Oct 09 21:43	$0$ $\circ$ $\odot$			13921 Aug 06 03:07	0° <b>∡</b> ¹	
retrograde	13916 Oct 26 09:37	1° <b>©</b> 31'30			13921 Sep 25 11:25	0°రె	
· ·	13916 Nov 10 23:35	30°R <b>Ⅱ</b>		desc. node	13921 Oct 24 14:14	17° <b>る</b> 59'26	
opposition	13916 Dec 02 03:12	23° <b>II</b> 36'19	1033138	acoc. noue	13921 Nov 12 22:22	0°≈	
		23° <b>I</b> I07'26				0° <b>∺</b>	
greatest brilliancy	13916 Dec 03 10:18				13921 Dec 31 04:27		
min. Earth dist.	13916 Dec 09 17:46	20° <b>Ⅱ</b> 47'07	0.56043 AU		13922 Feb 17 07:15	0° <b>Υ</b>	
direct	13917 Jan 11 01:39	14° <b>Ⅱ</b> 05'41		evening set	13922 Mar 09 15:55	12° <b>Ƴ</b> 47′05	
	13917 Mar 06 17:12	$0$ $\circ$			13922 Apr 05 20:11	$9^{\circ}$ 8	
asc. node	13917 Mar 19 10:32	6°≌47'08		max. Earth dist.	13922 Apr 11 08:42	3° <b>8</b> 31'27	2.66828 AU
	13917 Apr 25 11:00	$\mathfrak{O}^{\circ} \mathfrak{O}$					
	13917 Jun 06 03:51	0° <b>m</b>		conjunction	13922 Apr 22 11:13	10° <b>8</b> 38'36	-1°10'19
	13917 Jul 15 09:06	0∘ <b>⊽</b>		minimum elong	13922 Apr 22 10:46	10° <b>8</b> 37'53	1°10'55
	13917 Aug 23 04:10	0°M		g	13922 May 22 07:12	0°II	1 1000
	13917 Aug 23 04:10 13917 Oct 01 18:31	0°×7		morning rise	13922 Jun 05 10:35	9° <b>Ⅱ</b> 18'33	
				morning rise			
	13917 Nov 11 22:39	0° <b>ろ</b>			13922 Jul 06 08:14	0°99	
evening set	13917 Dec 22 22:02	28° <b>る</b> 32'36			13922 Aug 18 19:46	$0$ $^{\circ}\Omega$	
	13917 Dec 25 01:23	0° <b>≈</b>			13922 Sep 29 19:09	0° <b>m</b> )	
desc. node	13918 Jan 19 13:12	17° <b>≈</b> 08'06		asc. node	13922 Nov 09 20:38	0° <b>≏</b> 13'18	
	13918 Feb 08 01:35	0° <b>∀</b>			13922 Nov 09 13:28	0∘ <b>ত</b>	
					13922 Dec 19 20:42	0° <b>M</b> .	
conjunction	13918 Feb 10 21:31	1° <b>¥</b> 50'57	-0°12'43		13923 Jan 30 06:50	0° <b>≯</b> ¹	
minimum elong	13918 Feb 10 21:03	1° <b>)</b> 50′11			13923 Mar 18 08:41	0°ಕ	
behind sun begin	13918 Feb 10 08:01	1° <b>)</b> €28'57	0 12 00	retrograde	13923 May 15 01:17	18° <b>ට</b> 49'45	
Č				•	•		0.40217.411
behind sun end	13918 Feb 11 10:04	2° <b>₩</b> 11'25		min. Earth dist.	13923 Jun 13 03:50	12° <b>ろ</b> 57'50	0.49217 AU
max. Earth dist.	13918 Feb 26 10:02		2.64284 AU	greatest brilliancy	13923 Jun 20 07:02	10° <b>ට</b> 22'12	-2.2m
	13918 Mar 26 15:20	0° <b>Υ</b>		opposition	13923 Jun 21 09:02		3°51'42
morning rise	13918 Mar 28 15:38	1° <b>Ƴ</b> 16'43		direct	13923 Jul 25 11:44	2° <b>る</b> 45'05	
	13918 May 13 08:49	$_{0\circ}$ 8		desc. node	13923 Sep 12 00:52	14° <b>る</b> 22'31	
	13918 Jul 01 02:48	$\Pi$ $^{\circ}0$			13923 Oct 15 15:57	0°≈	
	13918 Aug 20 12:03	0ಂತಾ			13923 Dec 09 09:49	0° <b>∀</b>	
	13918 Oct 14 15:04	$0^{\circ}\Omega$			13924 Jan 29 02:54	$0$ ° $\Upsilon$	
retrograde	13918 Dec 24 19:53	21° <b>Ω</b> 59'30			13924 Mar 17 14:55	0°8	
opposition	13919 Jan 25 19:49	16° <b>Ω</b> 05'30	0940116	evening set	13924 Mar 17 14:55 13924 Apr 13 05:07	17° <b>8</b> 00'35	
				evening set	•		
greatest brilliancy	13919 Jan 26 02:03	16° <b>Ω</b> 00'37			13924 May 03 01:37	0°II	
min. Earth dist.	13919 Feb 02 18:41	13° <b>Ω</b> 37'05	0.42061 AU	max. Earth dist.	13924 May 04 15:19	1~Щ02′20	2.59921 AU
asc. node	13919 Feb 04 19:13	13° <b>Ω</b> 01′09					
direct	13919 Mar 01 06:58	9° <b>Ω</b> 01'09		conjunction	13924 May 29 00:47	17° <b>Ⅱ</b> 23'40	-1°03'29
	13919 May 01 11:04	0° <b>m</b>		minimum elong	13924 May 29 01:56	17° <b>Ⅱ</b> 25'37	1°04'28
	13919 Jun 16 17:06	0∘ <b>⊽</b>			13924 Jun 16 09:49	0ංම	
	13919 Jul 28 19:31	0°M		morning rise	13924 Jul 17 05:09	21°5642'35	
	13919 Sep 08 18:20	0° <b>∡</b> 7		Č	13924 Jul 28 17:05	$0^{\circ}\Omega$	
	13919 Oct 21 20:22	0°ਰ			13924 Sep 07 05:46	0° <b>m</b> )	
	13919 Oct 21 20:22 13919 Dec 05 11:43	0°≈		asc. node	13924 Sep 07 03.40 13924 Sep 26 10:00	14° <b>m</b> ) 34'23	
daga m				use. Houe	•	14 1 <b>1/</b> 34 23	
desc. node	13919 Dec 07 09:46	1°≈16′02			13924 Oct 16 11:01		
	13920 Jan 20 13:05	0° <b>∀</b>			13924 Nov 24 01:49	0° <b>M</b>	

	13925 Jan 02 01:27	0° <b>∡</b> ⊓		direct	13929 Nov 21 15:19	22° <b>Ƴ</b> 19'47	
	13925 Feb 11 18:45	0°ಕ			13929 Dec 30 09:14	$0^{\circ}S$	
	13925 Mar 28 18:47	0° <b>≈</b>			13930 Mar 01 14:32	$\Pi^{\circ}0$	
	13925 May 29 21:42	0° <b>∀</b>			13930 Apr 17 16:16	0° <b>©</b>	
retrograde	13925 Jun 24 14:45	4° <b>∺</b> 00′27		asc. node	13930 May 18 15:06	21° <b>5</b> 47'15	
	13925 Jul 18 17:30	30° <b>R</b> ≈			13930 May 29 20:04	$0^{\circ}\Omega$	
min. Earth dist.	13925 Jul 29 13:39	26° <b>≈</b> 05′27	0.61429 AU		13930 Jul 08 07:37	0° <b>m</b> )	
desc. node	13925 Jul 30 10:55	25° <b>≈</b> 44'39			13930 Aug 15 10:54	0∘ <b>ত</b>	
opposition	13925 Aug 03 17:24	24° <b>≈</b> 03'35	-0°10'36	greatest brilliancy	13930 Aug 20 08:31	3° <b>₽</b> 53'12	1.2m
greatest brilliancy	13925 Aug 03 16:34	24° <b>≈</b> 04'24	-1.6m		13930 Sep 22 08:20	0° <b>M</b>	
direct	13925 Sep 10 22:24	15° <b>≈</b> 15′27		evening set	13930 Sep 29 09:24	5° <b>M</b> 32′06	
	13925 Nov 07 14:26	0° <b>∀</b>			13930 Oct 30 22:47	0° <b>∡</b> ¹	
	13926 Jan 06 06:43	$0^{\circ}\mathbf{\Upsilon}$					
	13926 Feb 26 08:49	0°B		conjunction	13930 Dec 06 03:45	27° <b>∡</b> °09'33	0°55'08
	13926 Apr 14 12:40	$\Pi^{\circ}$		minimum elong	13930 Dec 06 06:13	27° <b>∡</b> 14′05	0°56'09
evening set	13926 May 23 10:51	26° <b>Ⅱ</b> 19'44		Č	13930 Dec 10 00:45	0°ჳ	
Ü	13926 May 28 17:11	0°©		max. Earth dist.	13931 Jan 17 12:21	27° <b>る</b> 28'37	2.49737 AU
max. Earth dist.	13926 Jun 06 03:09	5°955'25	2.48173 AU		13931 Jan 21 03:27	0° <b>≈</b>	
	13926 Jul 09 10:16	$0^{\circ}\Omega$		morning rise	13931 Feb 02 02:24	8° <b>≈</b> 13'58	
					13931 Mar 06 14:05	0° <b>∀</b>	
conjunction	13926 Jul 15 13:18	4° <b>Ω</b> 32'13	-0°20'02	desc. node	13931 Mar 21 20:16	9° <b>¥</b> 55'41	
minimum elong	13926 Jul 15 14:38	4°Ω34'42		dese. node	13931 Apr 22 14:26	0°Υ	
asc. node	13926 Aug 13 23:06	26°Ω44'35	0 20 30		13931 Jun 11 23:44	0°8	
asc. node	13926 Aug 18 04:58	0° m)			13931 Aug 09 04:32	0°II	
morning rise	13926 Sep 16 17:36	22° m/56'43		retrograde	13931 Oct 09 15:18	16° <b>Ⅱ</b> 22'57	
morning risc		0° <b>⊽</b>		opposition	13931 Nov 16 16:15	7° <b>I</b> I56'01	1954120
araataat brillianay	13926 Sep 25 17:06 13926 Nov 01 14:52	0 <u>≈</u> 29° <b>≏</b> 07'08	1.2m	**		7° <b>Ⅱ</b> 30'59	
greatest brilliancy			1.2111	greatest brilliancy	13931 Nov 17 18:33	7 <b>П</b> 30 39 5° <b>П</b> 32'23	0.60546 AU
	13926 Nov 02 17:42	0° <b>™</b> 0° <i>≯</i> 7		min. Earth dist.	13931 Nov 22 23:17	30°R <b>U</b>	0.60546 AU
	13926 Dec 11 04:10			T' A	13931 Dec 10 14:29		
	13927 Jan 19 23:44	8°0		direct	13931 Dec 27 13:19	28° <b>8</b> 04'32	
	13927 Mar 03 07:54	0° <b>≈</b>			13932 Jan 14 05:23	0° <b>I</b> I	
	13927 Apr 19 02:09	0° <b>)</b> €		1	13932 Mar 21 16:38	0.20 0.20	
desc. node	13927 Jun 17 13:37	0° <b>Υ</b> ′09'21		asc. node	13932 Apr 04 22:25	8°953'51	
	13927 Jun 17 03:52	0° <b>Υ</b>			13932 May 05 23:13	0° <b>N</b>	
retrograde	13927 Jul 29 13:29	9° <b>Y</b> 12'43			13932 Jun 15 11:36	0° <b>m</b> )	
	13927 Sep 06 16:04	30° <b>₹</b>			13932 Jul 24 03:26	0° <b>™</b>	
min. Earth dist.	13927 Sep 06 22:57		0.67856 AU		13932 Aug 31 12:20	0° <b>M</b> -	
opposition	13927 Sep 08 08:35	29° <b>∺</b> 19'50			13932 Oct 09 16:46	0° <b>∡</b> ″	
greatest brilliancy	13927 Sep 08 03:47	29° <b>)</b> €24'35	-1.3m		13932 Nov 19 10:50	0°⋜	
direct	13927 Oct 19 00:10	19° <b>¥</b> 41'32		evening set	13932 Dec 03 07:47	9° <b>る</b> 53'55	
	13927 Dec 04 20:08	$0^{\circ}$ Y			13933 Jan 01 04:25	0° <b>≈</b>	
	13928 Feb 04 05:50	$0^{\circ}$ 8					
	13928 Mar 24 18:29	$\Pi$ °0		conjunction	13933 Jan 25 17:50	16° <b>≈</b> 37'30	0°06'09
	13928 May 08 11:59	$0$ $\circ$		minimum elong	13933 Jan 25 18:09	16° <b>≈</b> 38′02	0°06'57
	13928 Jun 19 01:51	$0^{\circ}\Omega$		behind sun begin	13933 Jan 24 23:03	16° <b>≈</b> 06′07	
asc. node	13928 Jun 30 15:24	8° <b>Ω</b> 39'41		behind sun end	13933 Jan 26 13:15	17° <b>≈</b> 09'56	
evening set	13928 Jul 15 08:36	19° <b>Ω</b> 51'36		desc. node	13933 Feb 05 07:31	23° <b>≈</b> 39′26	
	13928 Jul 28 11:59	0° <b>m</b> )			13933 Feb 14 22:22	0° <b>∀</b>	
	13928 Sep 04 15:55	0∘ <b>亚</b>		max. Earth dist.	13933 Feb 16 13:26	1° <b>∺</b> 04'04	2.61208 AU
				morning rise	13933 Mar 14 14:17	17° <b>¥</b> 57′28	
conjunction	13928 Sep 22 07:05	13° <b>≏</b> 59'41	0°52'35		13933 Apr 02 11:26	$0^{\circ}$ Y	
minimum elong	13928 Sep 22 03:02	13° <b>≙</b> 51'40	0°52'42		13933 May 20 14:10	$9^{\circ}$ 8	
max. Earth dist.	13928 Oct 09 22:51	27° <b>≏</b> 59'56	2.36278 AU		13933 Jul 09 13:02	$\Pi^{\circ}0$	
	13928 Oct 12 11:34	$0^{\circ}$ M.			13933 Sep 01 07:41	$0$ $\circ$ $\odot$	
	13928 Nov 19 20:29	0° <b>∡</b> ¹		retrograde	13933 Nov 28 14:51	29° <b>©</b> 56'33	
morning rise	13928 Dec 05 04:03	11° <b>∡</b> ¹42'52		opposition	13934 Jan 01 16:02	23° <b>©</b> 07'44	-2°53'20
	13928 Dec 29 14:42	ರ°0		greatest brilliancy	13934 Jan 02 17:32	22° <b>©</b> 45'45	-2.3m
	13929 Feb 09 12:15	0° <b>≈</b>		min. Earth dist.	13934 Jan 10 09:17	20° <b>©</b> 08'25	0.47613 AU
	13929 Mar 26 06:59	0° <b>∀</b>		direct	13934 Feb 07 21:40	14° <b>5</b> 46'07	
desc. node	13929 May 04 07:32	24° <b>)</b> €09'47		asc. node	13934 Feb 21 07:58	16° <b>©</b> 00'40	
	13929 May 14 07:43	$0^{\circ}$ Y			13934 Mar 31 06:53	$0^{\circ}\Omega$	
	13929 Jul 12 21:47	0°8			13934 May 18 17:32	0° <b>m</b> )	
retrograde	13929 Aug 31 21:31	11° <b>8</b> 43'19			13934 Jun 29 04:37	0∘ <del>⊽</del>	
opposition	13929 Oct 11 00:31	2° <b>8</b> 21'15	-4°29'19		13934 Aug 08 07:13	$0^{\circ}$ M	
greatest brilliancy	13929 Oct 11 08:28	2° <b>8</b> 13'27	-1.3m		13934 Sep 17 22:56	0° <b>∡</b> ¹	
min. Earth dist.	13929 Oct 13 11:49	1° <b>8</b> 23'08	0.67600 AU		13934 Oct 30 01:25	ರ∘ರ	
	13929 Oct 17 01:29	30° <b>Ŗ</b> ♈			13934 Dec 12 22:49	0° <b>≈</b>	

	13945 Jun 06 15:34	0°N		max. Earth dist.	13950 Mar 03 17:28	18° <b>¥</b> 20'10	2.65639 AU
	13945 Jul 16 01:22	0° m)		man. Barur dist.	13950 Mar 21 23:38	0°Υ	2.00 03 / 110
	13945 Aug 23 03:59	0∘ <b>⊽</b>		morning rise	13950 Apr 05 09:02	9° <b>Ƴ</b> 07'51	
evening set	13945 Aug 29 04:29	4° <b>Ω</b> 46'52		5 5	13950 May 08 13:02	0°8	
S	13945 Sep 29 23:40	0°M₊			13950 Jun 25 18:58	0°II	
	13945 Nov 07 10:44	0° <b>∡</b> ″			13950 Aug 13 22:41	0ಂತ	
					13950 Oct 04 09:55	$0^{\circ}\Omega$	
conjunction	13945 Nov 09 16:42	1° <b>∡</b> ¹43'30	1°05'50		13950 Dec 06 03:35	0° <b>m</b>	
minimum elong	13945 Nov 09 17:41	1° <b>∡</b> 745′22	1°06'43	retrograde	13951 Jan 10 18:02	6° <b>m</b> 52′38	
	13945 Dec 17 08:21	0°ප		asc. node	13951 Jan 26 05:35	5° <b>m</b> 21'19	
max. Earth dist.	13945 Dec 30 17:30	9° <b>る</b> 44'50	2.44144 AU	opposition	13951 Feb 10 11:07	1° <b>m</b> ) 29'05	1°05'40
morning rise	13946 Jan 13 02:40	19° <b>る</b> 19'34		greatest brilliancy	13951 Feb 10 17:11	1° <b>m</b> ) 24'38	-2.8m
	13946 Jan 28 07:16	0° <b>≈</b>			13951 Feb 15 12:47	30°R <b>Ω</b>	
	13946 Mar 13 18:15	0° <b>)</b> ( 50,50		min. Earth dist.	13951 Feb 16 23:50	29° <b>Ω</b> 34'45	0.39428 AU
desc. node	13946 Apr 07 15:03	15° <b>¥</b> 58'58 0° <b>Ƴ</b>		direct	13951 Mar 15 04:20	25° <b>Ω</b> 14'09	
	13946 Apr 30 05:59 13946 Jun 21 12:45	0° <b>8</b>			13951 Apr 10 21:16 13951 Jun 06 23:04	0 <b>்⊽</b> 0 <b>்ம்</b>	
	13946 Sep 02 04:28	0°U			13951 Jul 00 23:04 13951 Jul 21 08:05	0 <b>==</b> 0°M	
retrograde	13946 Sep 23 15:59	0 П 2°П30'31			13951 Sep 02 09:50	0° <b>⊼</b>	
retrograde	13946 Oct 13 16:46	30°R <b>8</b>			13951 Oct 16 05:22	0°ਰ	
opposition	13946 Nov 01 16:56	23° <b>8</b> 38'26	-4°55'31	desc. node	13951 Nov 27 12:56	28° <b>ろ</b> 09'19	
greatest brilliancy	13946 Nov 02 12:14	23° <b>8</b> 19'47			13951 Nov 30 08:29	0° <b>≈</b>	
min. Earth dist.	13946 Nov 06 12:43	21° <b>8</b> 46'33	0.64097 AU		13952 Jan 15 17:42	0° <b>∀</b>	
direct	13946 Dec 13 02:29	13° <b>8</b> 37'37		evening set	13952 Feb 10 22:25	16° <b>¥</b> 41'52	
	13947 Feb 09 08:20	$\Pi$ $^{\circ}0$		•	13952 Mar 02 21:44	$0^{\circ}$ Y	
	13947 Apr 02 16:25	$0$ $\circ$ $\odot$		max. Earth dist.	13952 Mar 25 01:28	14° <b>Y</b> ′02'07	2.68476 AU
asc. node	13947 Apr 22 10:20	13° <b>©</b> 12'00					
	13947 May 16 03:36	$0$ $^{\circ}$ $\Omega$		conjunction	13952 Mar 26 10:32	14° <b>Ƴ</b> 54'29	-0°57'25
	13947 Jun 25 01:54	0° <b>™</b>		minimum elong	13952 Mar 26 09:25	14° <b>Y</b> 52'42	0°57'35
	13947 Aug 02 10:41	0∘ <b>⊽</b>			13952 Apr 19 05:21	$0$ $\circ$ 8	
	13947 Sep 09 13:24	0° <b>M</b>		morning rise	13952 May 08 12:16	12° <b>8</b> 17'11	
	13947 Oct 18 10:40	0° <b>∡</b>			13952 Jun 05 03:15	0°П	
evening set	13947 Nov 11 15:36	18° <b>∡</b> *07'45			13952 Jul 21 06:59	0°©	
	13947 Nov 27 20:47	0°₹			13952 Sep 04 13:28	0° <b>N</b>	
	12040 I 00 10.11	2007/10106	0927102		13952 Oct 19 00:58	0° <b>ट</b> 0°ആ	
conjunction minimum elong	13948 Jan 08 19:11 13948 Jan 08 20:31	29°る40'06 29°る42'25	0°26'03 0°27'00	asc. node	13952 Dec 02 07:18 13952 Dec 13 08:14	0° <b>22</b> 7° <b>2</b> 22'27	
minimum eiong	13948 Jan 09 06:43	29 <b>3</b> 42 23 0° <b>≈</b>	0 27 00	asc. node	13952 Dec 13 08.14 13953 Jan 17 18:19	0°M	
max. Earth dist.	13948 Feb 06 21:38	0 ∞ 19°≈26'11	2.57293 AU	retrograde	13953 Mar 31 13:02	27°MJ38'22	
max. Earth dist.	13948 Feb 22 19:54	0° <b>∀</b>	2.37273710	min. Earth dist.	13953 Apr 26 10:18	23°M18'50	0.38947 AU
desc. node	13948 Feb 23 02:07	0° <b>¥</b> 10'13		greatest brilliancy	13953 May 01 09:15	21°M50'44	-2.8m
morning rise	13948 Feb 28 14:59	3° <b>)</b> 48′10		opposition	13953 May 02 20:30	21°M24'24	6°50'18
C	13948 Apr 09 10:25	$0^{\circ}$ $\Upsilon$		direct	13953 Jun 01 18:58	16°ML04'37	
	13948 May 28 03:23	$9^{\circ}$ 8			13953 Jul 23 12:32	0° <b>∡</b> ¹	
	13948 Jul 18 22:53	$\Pi$ °0			13953 Sep 17 17:39	0°ರ	
	13948 Sep 18 04:42	$0$ $\circ$ $\odot$		desc. node	13953 Oct 14 19:52	16° <b>පි</b> 02'00	
retrograde	13948 Nov 06 12:45	11° <b>5</b> 24'37			13953 Nov 06 22:56	0° <b>≈</b>	
opposition	13948 Dec 12 08:49	3° <b>©</b> 50'26			13953 Dec 26 00:27	0° <b>∺</b>	
greatest brilliancy	13948 Dec 13 16:24	3° <b>©</b> 21'39			13954 Feb 12 12:45	0° <b>Υ</b>	
min. Earth dist.	13948 Dec 20 13:07	0°952'07	0.53172 AU	evening set	13954 Mar 17 10:55	20° <b>℃</b> 38'13	
J:4	13948 Dec 23 01:00	30°RⅡ 24°Ⅲ2000		Earth diet	13954 Apr 01 05:22	0°8	2 (5705 AII
direct	13949 Jan 20 12:30	24° <b>∏</b> 38′08 0° <b>©</b>		max. Earth dist.	13954 Apr 16 13:23	9°048'11	2.65795 AU
asc. node	13949 Feb 18 23:12 13949 Mar 09 20:01	0		conjunction	13954 Apr 30 09:10	18° <b>8</b> 43'31	1011122
asc. Houe	13949 Apr 17 16:18	0°Ω		minimum elong	13954 Apr 30 09:10 13954 Apr 30 09:02	18° <b>8</b> 43'17	
	13949 May 30 16:42	0° mp		minimum ciong	13954 May 17 15:59	0°Ⅱ	1 1207
	13949 Jul 09 10:59	0∘ <b>⊽</b>		morning rise	13954 Jun 14 00:05	18° <b>Ⅱ</b> 08'37	
	13949 Aug 17 14:07	0°M		<i>3</i>	13954 Jul 01 12:53	0°9	
	13949 Sep 26 11:16	0° <b>∡</b> 7			13954 Aug 13 17:23	0°N	
	13949 Nov 06 21:40	ರ°ರ			13954 Sep 24 07:30	0° <b>m</b> )	
	13949 Dec 20 05:33	0° <b>≈</b>		asc. node	13954 Oct 31 02:15	27° <b>m</b> 20'32	
evening set	13950 Jan 02 00:30	8° <b>≈</b> 36'42			13954 Nov 03 15:04	0∘ <b>ত</b>	
desc. node	13950 Jan 09 16:00	13° <b>≈</b> 42'54			13954 Dec 13 08:32	$0^{\circ}$ M	
	13950 Feb 03 09:18	0° <b>∀</b>			13955 Jan 22 19:19	0° <b>∡</b> ¹	
			0000:17		13955 Mar 07 19:25	ნ°0	
conjunction minimum elong	13950 Feb 03 09:18 13950 Feb 19 12:03 13950 Feb 19 11:16	0° <b>光</b> 10° <b>光</b> 27'51 10° <b>光</b> 26'35		retrograde			

	12055 1 02 15:14	2005			120(0 M 02 12-52	0°95	
i. Danda diad	13955 Jun 03 15:14 13955 Jun 24 18:11	30°Rる 24°る16'03	0.52221 AU		13960 May 03 12:52 13960 Jun 14 04:53	0°Ω	
min. Earth dist. opposition	13955 Jul 02 11:11	24 31603 21° <b>る</b> 22'30	2°50'56	asc. node	13960 Jun 20 21:40	5° <b>Ω</b> 00'03	
greatest brilliancy	13955 Jul 01 16:49	21 <b>3</b> 22 30 21° <b>3</b> 39'47		asc. node	13960 Jul 20 21.40 13960 Jul 23 14:54	0°m)	
direct		13°る43'03	-2.0111	avanina aat		5° Mg 21'03	
desc. node	13955 Aug 06 15:00 13955 Sep 02 07:37	13 <b>3</b> 43 03		evening set	13960 Jul 30 11:47	ე∘ <u>ი</u>	
desc. node	13955 Oct 05 14:03	0°≈			13960 Aug 30 18:20 13960 Oct 07 13:43	0°M	
	13955 Dec 03 03:57	0 <b>≈</b> 0° <b>∺</b>			13900 Oct 07 13.43	UIL	
	13956 Jan 23 22:36	0° <b>Υ</b>		agnismation	12060 Oct. 10, 06:46	20M 00122	1°02'29
				conjunction	13960 Oct 10 06:46	2°M08'32	
· ,	13956 Mar 12 20:20	0°8		minimum elong	13960 Oct 10 03:59	2°M03'02	1°02′57
evening set	13956 Apr 21 12:33	25° <b>8</b> 27'40		T d F d	13960 Nov 14 22:49	0° <b>⊼</b> ¹	2 20555 ATT
n d r	13956 Apr 28 10:07	0°II	2.555(0.41)	max. Earth dist.	13960 Dec 01 07:22	12° <b>×</b> <sup>7</sup> 29'43	2.38555 AU
max. Earth dist.	13956 May 10 21:28	8°Д1/35	2.57768 AU	morning rise	13960 Dec 20 11:55	26° <b>₹</b> '52'29	
	120561 05 00 01	• · · · · · · · · · · · · · · · · · · ·	0055100		13960 Dec 24 17:28	್ತಿ	
conjunction	13956 Jun 07 08:04	26° <b>I</b> 57'18			13961 Feb 04 14:10	0° <b>≈</b>	
minimum elong	13956 Jun 07 09:33	26° <b>Ⅱ</b> 59'52	0°58'24		13961 Mar 21 04:00	0° <b>∀</b>	
	13956 Jun 11 17:37	0°©		desc. node	13961 Apr 24 10:16	21° <b>)</b> 35′40	
	13956 Jul 23 21:58	$0$ $\circ$ $\Omega$			13961 May 08 10:15	0° <b>Υ</b>	
morning rise	13956 Jul 28 13:43	3° <b>Ω</b> 23'57			13961 Jul 03 02:51	0°8	
	13956 Sep 02 06:36	0° <b>m</b> )		retrograde	13961 Sep 08 21:56	19° <b>8</b> 26'35	
asc. node	13956 Sep 16 15:48	10° <b>m</b> 57'32		opposition	13961 Oct 18 16:53	10° <b>8</b> 14'02	
	13956 Oct 11 07:41	0∘ <b>ऌ</b>		greatest brilliancy	13961 Oct 19 04:45	10° <b>8</b> 02'27	-1.3m
	13956 Nov 18 18:12	0° <b>M</b> .		min. Earth dist.	13961 Oct 22 00:12	8° <b>8</b> 56'34	0.66656 AU
	13956 Dec 27 12:43	0° <b>∡</b> 7		direct	13961 Nov 29 07:19	0° <b>8</b> 11'11	
	13957 Feb 05 20:50	0°ಕ			13962 Feb 22 16:11	$\Pi$ $\circ 0$	
	13957 Mar 21 17:41	0° <b>≈</b>			13962 Apr 12 01:49	0°€	
	13957 May 14 10:37	0° <b>∀</b>		asc. node	13962 May 09 00:39	18° <b>5</b> 41'10	
retrograde	13957 Jul 02 16:42	12° <b>)</b> 43′54			13962 May 24 15:01	$0$ $^{\circ}$ $\Omega$	
desc. node	13957 Jul 20 15:44	10° <b>)</b> 30′33			13962 Jul 03 05:44	o° <b>m</b> y	
min. Earth dist.	13957 Aug 07 17:22	4° <b>升</b> 27'54	0.63363 AU		13962 Aug 10 10:26	0∘ <b>ত</b>	
opposition	13957 Aug 12 02:02	2° <b>)</b> 44'17	-0°53'42		13962 Sep 17 08:55	0° <b>M</b>	
greatest brilliancy	13957 Aug 11 22:03	2° <b>)</b> 48′14	-1.5m	evening set	13962 Oct 16 02:32	22°M23'16	
	13957 Aug 19 04:39	30° <b>Ŗ</b> ≈			13962 Oct 26 00:41	0° <b>∡</b> ¹	
direct	13957 Sep 19 22:41	23° <b>≈</b> 42'32			13962 Dec 05 04:27	0°ಕ	
	13957 Oct 25 07:38	0° <b>∀</b>					
	13957 Dec 30 21:33	$0^{\circ}\mathbf{\Upsilon}$		conjunction	13962 Dec 19 07:30	10° <b>る</b> 13'30	0°45'25
	13958 Feb 21 03:42	0°8		minimum elong	13962 Dec 19 09:48	10° <b>る</b> 17'38	0°46'26
	13958 Feb 21 03:42 13958 Apr 09 16:36	0°Ⅱ 0°8		minimum elong	13962 Dec 19 09:48 13963 Jan 16 08:28	10°る17'38 0°≈	0°46'26
				minimum elong max. Earth dist.		0° <b>≈</b>	0°46'26 2.52634 AU
evening set	13958 Apr 09 16:36	$\Pi^{\circ}0$		max. Earth dist.	13963 Jan 16 08:28	0° <b>≈</b>	
evening set max. Earth dist.	13958 Apr 09 16:36 13958 May 23 23:25 13958 Jun 02 18:16	0°Ⅱ 0°© 6°©53′29	2.45164 AU	C	13963 Jan 16 08:28 13963 Jan 25 18:57 13963 Feb 12 07:00	0°≈ 6°≈30'16 18°≈22'36	
evening set max. Earth dist.	13958 Apr 09 16:36 13958 May 23 23:25	0°Ⅱ 0°ᢒ 6°ᢒ53'29 16°ᢒ38'37	2.45164 AU	max. Earth dist. morning rise	13963 Jan 16 08:28 13963 Jan 25 18:57	0° <b>≈</b> 6° <b>≈</b> 30'16	
•	13958 Apr 09 16:36 13958 May 23 23:25 13958 Jun 02 18:16 13958 Jun 16 09:16	0°Ⅱ 0°© 6°©53′29	2.45164 AU	max. Earth dist.	13963 Jan 16 08:28 13963 Jan 25 18:57 13963 Feb 12 07:00 13963 Mar 01 18:42 13963 Mar 11 20:40	0°≈ 6°≈30'16 18°≈22'36 0°¥	
max. Earth dist.	13958 Apr 09 16:36 13958 May 23 23:25 13958 Jun 02 18:16 13958 Jun 16 09:16 13958 Jul 04 15:56	0°∏ 0°© 6°©53'29 16°©38'37 0°Ω		max. Earth dist. morning rise	13963 Jan 16 08:28 13963 Jan 25 18:57 13963 Feb 12 07:00 13963 Mar 01 18:42 13963 Mar 11 20:40 13963 Apr 17 13:30	0°≈ 6°≈30'16 18°≈22'36 0° <del>\</del> 6° <del>\</del> \ 35'55 0° <b>\</b>	
max. Earth dist.	13958 Apr 09 16:36 13958 May 23 23:25 13958 Jun 02 18:16 13958 Jun 16 09:16 13958 Jul 04 15:56 13958 Jul 28 14:29	0°Ⅱ 0°ᢒ 6°ᢒ53'29 16°ᢒ38'37	-0°04'37	max. Earth dist. morning rise	13963 Jan 16 08:28 13963 Jan 25 18:57 13963 Feb 12 07:00 13963 Mar 01 18:42 13963 Mar 11 20:40 13963 Apr 17 13:30 13963 Jun 06 03:51	0°≈ 6°≈30'16 18°≈22'36 0°¥ 6°¥35'55 0°Υ 0°8	
max. Earth dist.	13958 Apr 09 16:36 13958 May 23 23:25 13958 Jun 02 18:16 13958 Jun 16 09:16 13958 Jul 04 15:56 13958 Jul 28 14:29 13958 Jul 28 14:54	0°II 0°S 6°S53'29 16°S38'37 0°A 17°A56'18 17°A57'05	-0°04'37	max. Earth dist. morning rise desc. node	13963 Jan 16 08:28 13963 Jan 25 18:57 13963 Feb 12 07:00 13963 Mar 01 18:42 13963 Mar 11 20:40 13963 Apr 17 13:30 13963 Jun 06 03:51 13963 Jul 31 02:25	0°≈ 6°≈30'16 18°≈22'36 0° € 6° € 35'55 0° Υ	
max. Earth dist.	13958 Apr 09 16:36 13958 May 23 23:25 13958 Jun 02 18:16 13958 Jun 16 09:16 13958 Jul 04 15:56 13958 Jul 28 14:29 13958 Jul 28 14:54 13958 Jul 27 14:23	0°II 0°S 6°S53'29 16°S38'37 0°A 17°A56'18 17°A57'05 17°A10'37	-0°04'37	max. Earth dist. morning rise desc. node	13963 Jan 16 08:28 13963 Jan 25 18:57 13963 Feb 12 07:00 13963 Mar 01 18:42 13963 Mar 11 20:40 13963 Apr 17 13:30 13963 Jun 06 03:51 13963 Jul 31 02:25 13963 Oct 19 11:33	0°≈ 6°≈30'16 18°≈22'36 0°₩ 6°₩35'55 0°Ψ 0°₩ 0°₩	2.52634 AU
max. Earth dist.  conjunction minimum elong behind sun begin	13958 Apr 09 16:36 13958 May 23 23:25 13958 Jun 02 18:16 13958 Jun 16 09:16 13958 Jul 04 15:56 13958 Jul 28 14:29 13958 Jul 28 14:54 13958 Jul 27 14:23 13958 Jul 29 15:24	0°II 0°S 6°S53'29 16°S38'37 0°N 17°N56'18 17°N57'05 17°N10'37 18°N43'37	-0°04'37	max. Earth dist. morning rise  desc. node  retrograde opposition	13963 Jan 16 08:28 13963 Jan 25 18:57 13963 Feb 12 07:00 13963 Mar 01 18:42 13963 Mar 11 20:40 13963 Apr 17 13:30 13963 Jun 06 03:51 13963 Jul 31 02:25 13963 Oct 19 11:33 13963 Nov 25 19:30	0°≈ 6°≈30'16 18°≈22'36 0° ¥ 6° ¥35'55 0° ¥ 0° ¥ 0° II 25° II 19'03	2.52634 AU -4°44′58
max. Earth dist.  conjunction minimum elong behind sun begin behind sun end	13958 Apr 09 16:36 13958 May 23 23:25 13958 Jun 02 18:16 13958 Jun 16 09:16 13958 Jul 04 15:56 13958 Jul 28 14:29 13958 Jul 28 14:54 13958 Jul 27 14:23	0°II 0°S 6°S53'29 16°S38'37 0°A 17°A56'18 17°A57'05 17°A10'37	-0°04'37	max. Earth dist. morning rise desc. node	13963 Jan 16 08:28 13963 Jan 25 18:57 13963 Feb 12 07:00 13963 Mar 01 18:42 13963 Mar 11 20:40 13963 Apr 17 13:30 13963 Jun 06 03:51 13963 Jul 31 02:25 13963 Oct 19 11:33	0°≈ 6°≈30'16 18°≈22'36 0° ℋ 6° ℋ35'55 0° ♈ 0° ℍ 25° ℍ19'03 17° ℍ08'40	2.52634 AU -4°44′58
max. Earth dist.  conjunction minimum elong behind sun begin behind sun end	13958 Apr 09 16:36 13958 May 23 23:25 13958 Jun 02 18:16 13958 Jun 16 09:16 13958 Jul 04 15:56 13958 Jul 28 14:54 13958 Jul 28 14:54 13958 Jul 27 14:23 13958 Jul 29 15:24 13958 Aug 04 03:40 13958 Aug 13 08:54	0°II 0°S 6°S53'29 16°S38'37 0°N 17°N56'18 17°N57'05 17°N10'37 18°N43'37 22°N55'39	-0°04'37	max. Earth dist. morning rise  desc. node  retrograde opposition greatest brilliancy min. Earth dist.	13963 Jan 16 08:28 13963 Jan 25 18:57 13963 Feb 12 07:00 13963 Mar 01 18:42 13963 Mar 11 20:40 13963 Apr 17 13:30 13963 Jun 06 03:51 13963 Jul 31 02:25 13963 Oct 19 11:33 13963 Nov 25 19:30 13963 Nov 27 00:47 13963 Dec 02 20:03	0°≈ 6°≈30'16 18°≈22'36 0° ℋ 6° ℋ35'55 0° ℉ 0° Ⅲ 25° Ⅲ19'03 17° Ⅲ08'40 16° Ⅲ41'07 14° Ⅲ30'15	2.52634 AU -4°44'58 -1.7m
max. Earth dist.  conjunction minimum elong behind sun begin behind sun end asc. node	13958 Apr 09 16:36 13958 May 23 23:25 13958 Jun 02 18:16 13958 Jun 16 09:16 13958 Jul 04 15:56 13958 Jul 28 14:29 13958 Jul 28 14:54 13958 Jul 27 14:23 13958 Jul 29 15:24 13958 Aug 04 03:40 13958 Aug 13 08:54 13958 Sep 20 19:18	0°Π 0°Φ 6°Φ53'29 16°Φ38'37 0°Ω 17°Ω56'18 17°Ω57'05 17°Ω10'37 18°Ω43'37 22°Ω55'39 0°M 0°Ω	-0°04'37	max. Earth dist. morning rise  desc. node  retrograde opposition greatest brilliancy	13963 Jan 16 08:28 13963 Jan 25 18:57 13963 Feb 12 07:00 13963 Mar 01 18:42 13963 Mar 11 20:40 13963 Apr 17 13:30 13963 Jun 06 03:51 13963 Jul 31 02:25 13963 Oct 19 11:33 13963 Nov 25 19:30 13963 Nov 27 00:47 13963 Dec 02 20:03 13964 Jan 05 04:55	0°≈ 6°≈30'16 18°≈22'36 0° ℋ 6° ℋ35'55 0° ℉ 0° ௧ 0° Ⅲ 25° Ⅲ19'03 17° Ⅲ08'40 16° Ⅲ41'07 14° Ⅲ30'15 7° Ⅲ26'59	2.52634 AU -4°44'58 -1.7m
max. Earth dist.  conjunction minimum elong behind sun begin behind sun end	13958 Apr 09 16:36 13958 May 23 23:25 13958 Jun 02 18:16 13958 Jun 16 09:16 13958 Jul 04 15:56 13958 Jul 28 14:29 13958 Jul 28 14:54 13958 Jul 27 14:23 13958 Jul 29 15:24 13958 Aug 04 03:40 13958 Aug 13 08:54 13958 Sep 20 19:18 13958 Oct 04 00:30	0°∏ 0°S 6°S53'29 16°S38'37 0°Ω 17°Ω56'18 17°Ω57'05 17°Ω10'37 18°Ω43'37 22°Ω55'39 0°™ 0°Ω 10°Ω26'17	-0°04'37	max. Earth dist. morning rise  desc. node  retrograde opposition greatest brilliancy min. Earth dist. direct	13963 Jan 16 08:28 13963 Jan 25 18:57 13963 Feb 12 07:00 13963 Mar 01 18:42 13963 Mar 11 20:40 13963 Apr 17 13:30 13963 Jun 06 03:51 13963 Jul 31 02:25 13963 Oct 19 11:33 13963 Nov 25 19:30 13963 Nov 27 00:47 13963 Dec 02 20:03 13964 Jan 05 04:55 13964 Mar 13 03:00	0°≈ 6°≈30'16 18°≈22'36 0° ℋ 6° ℋ35'55 0° ♈ 0° ੴ 0° Ⅲ 25° Ⅲ19'03 17° Ⅲ08'40 16° Ⅲ41'07 14° Ⅲ30'15 7° Ⅲ26'59 0° ©	2.52634 AU -4°44'58 -1.7m
max. Earth dist.  conjunction minimum elong behind sun begin behind sun end asc. node	13958 Apr 09 16:36 13958 May 23 23:25 13958 Jun 02 18:16 13958 Jun 16 09:16 13958 Jul 04 15:56 13958 Jul 28 14:29 13958 Jul 28 14:54 13958 Jul 27 14:23 13958 Jul 29 15:24 13958 Aug 04 03:40 13958 Aug 13 08:54 13958 Sep 20 19:18 13958 Oct 04 00:30 13958 Oct 28 18:26	0°M 0°S 6°S53'29 16°S38'37 0°A 17°A56'18 17°A57'05 17°A10'37 18°A43'37 22°A55'39 0°M 0°S 10°S26'17 0°M	-0°04'37	max. Earth dist. morning rise  desc. node  retrograde opposition greatest brilliancy min. Earth dist.	13963 Jan 16 08:28 13963 Jan 25 18:57 13963 Feb 12 07:00 13963 Mar 01 18:42 13963 Mar 11 20:40 13963 Apr 17 13:30 13963 Jun 06 03:51 13963 Jul 31 02:25 13963 Oct 19 11:33 13963 Nov 25 19:30 13963 Nov 27 00:47 13963 Dec 02 20:03 13964 Jan 05 04:55 13964 Mar 13 03:00 13964 Mar 26 08:22	0°≈ 6°≈30'16 18°≈22'36 0° ℋ 6° ℋ35'55 0° ℉ 0° Ϫ 0° Ⅲ 25° Ⅲ19'03 17° Ⅲ08'40 16° Ⅲ41'07 14° Ⅲ30'15 7° Ⅲ26'59 0°ጭ 7° ℱ39'48	2.52634 AU -4°44'58 -1.7m
max. Earth dist.  conjunction minimum elong behind sun begin behind sun end asc. node	13958 Apr 09 16:36 13958 May 23 23:25 13958 Jun 02 18:16 13958 Jun 16 09:16 13958 Jul 04 15:56 13958 Jul 28 14:29 13958 Jul 28 14:54 13958 Jul 27 14:23 13958 Jul 29 15:24 13958 Aug 04 03:40 13958 Aug 13 08:54 13958 Sep 20 19:18 13958 Oct 04 00:30 13958 Oct 28 18:26 13958 Dec 06 03:33	0° II 0° © 6° © 53'29 16° © 38'37 0° Ω 17° Ω 56'18 17° Ω 57'05 17° Ω 10'37 18° Ω 43'37 22° Ω 55'39 0° ID 0° Ω 10° Ω 26'17 0° IL 0° ズ	-0°04'37	max. Earth dist. morning rise  desc. node  retrograde opposition greatest brilliancy min. Earth dist. direct	13963 Jan 16 08:28 13963 Jan 25 18:57 13963 Feb 12 07:00 13963 Mar 01 18:42 13963 Mar 11 20:40 13963 Apr 17 13:30 13963 Jun 06 03:51 13963 Jul 31 02:25 13963 Oct 19 11:33 13963 Nov 25 19:30 13963 Nov 27 00:47 13963 Dec 02 20:03 13964 Jan 05 04:55 13964 Mar 13 03:00 13964 Mar 26 08:22 13964 Apr 29 13:29	0°≈ 6°≈30'16 18°≈22'36 0° ₩ 6° ₩35'55 0° Υ 0° ₩ 25° Ш19'03 17° Ш08'40 16° Ш41'07 14° Ш30'15 7° Ш26'59 0° © 7°©39'48 0° Ω	2.52634 AU -4°44'58 -1.7m
max. Earth dist.  conjunction minimum elong behind sun begin behind sun end asc. node	13958 Apr 09 16:36 13958 May 23 23:25 13958 Jun 02 18:16 13958 Jun 16 09:16 13958 Jul 04 15:56 13958 Jul 28 14:29 13958 Jul 28 14:54 13958 Jul 27 14:23 13958 Jul 29 15:24 13958 Aug 04 03:40 13958 Aug 13 08:54 13958 Sep 20 19:18 13958 Oct 04 00:30 13958 Oct 28 18:26 13958 Dec 06 03:33 13959 Jan 14 21:05	0°Ⅲ 0°១ 6°១53'29 16°១38'37 0°Ω 17°Ω56'18 17°Ω57'05 17°Ω10'37 18°Ω43'37 22°Ω55'39 0°№ 0°Ω 10°Ω26'17 0°№ 0°% 0°% 0°% 0°% 0°%	-0°04'37	max. Earth dist. morning rise  desc. node  retrograde opposition greatest brilliancy min. Earth dist. direct	13963 Jan 16 08:28 13963 Jan 25 18:57 13963 Feb 12 07:00 13963 Mar 01 18:42 13963 Mar 11 20:40 13963 Apr 17 13:30 13963 Jun 06 03:51 13963 Jul 31 02:25 13963 Oct 19 11:33 13963 Nov 25 19:30 13963 Nov 27 00:47 13963 Dec 02 20:03 13964 Jan 05 04:55 13964 Mar 13 03:00 13964 Mar 26 08:22 13964 Jun 09 17:01	0°≈ 6°≈30'16 18°≈22'36 0° ₩ 6° ₩35'55 0° Υ 0° ₩ 25° Ш19'03 17° Ш08'40 16° Ш41'07 14° Ш30'15 7° Ш26'59 0° \$ 7°\$39'48 0° \$ 0° \$ 0° \$ 0° \$ 0° \$ 0° \$ 0° \$ 0° \$	2.52634 AU -4°44'58 -1.7m
max. Earth dist.  conjunction minimum elong behind sun begin behind sun end asc. node	13958 Apr 09 16:36 13958 May 23 23:25 13958 Jun 02 18:16 13958 Jun 16 09:16 13958 Jul 04 15:56  13958 Jul 28 14:29 13958 Jul 28 14:54 13958 Jul 27 14:23 13958 Jul 29 15:24 13958 Aug 04 03:40 13958 Aug 13 08:54 13958 Sep 20 19:18 13958 Oct 04 00:30 13958 Oct 28 18:26 13958 Dec 06 03:33 13959 Jan 14 21:05 13959 Feb 25 23:19	0° II 0° © 6° © 53'29 16° © 38'37 0° Ω  17° Ω 56'18 17° Ω 57'05 17° Ω 10'37 18° Ω 43'37 22° Ω 55'39 0° ID 0° Ω 10° Ω 26'17 0° IL 0° ズ 0° IC 0° ズ 0° IC	-0°04'37	max. Earth dist. morning rise  desc. node  retrograde opposition greatest brilliancy min. Earth dist. direct	13963 Jan 16 08:28 13963 Jan 25 18:57 13963 Feb 12 07:00 13963 Mar 01 18:42 13963 Mar 11 20:40 13963 Apr 17 13:30 13963 Jun 06 03:51 13963 Jul 31 02:25 13963 Oct 19 11:33 13963 Nov 25 19:30 13963 Nov 27 00:47 13963 Dec 02 20:03 13964 Jan 05 04:55 13964 Mar 13 03:00 13964 Mar 26 08:22 13964 Jun 09 17:01 13964 Jul 18 15:59	0°≈ 6°≈30'16 18°≈22'36 0° ₩ 6° ₩35'55 0° Υ 0° ₩ 25° Ш19'03 17° Ш08'40 16° Ш41'07 14° Ш30'15 7° Ш26'59 0° © 7°©39'48 0° Ω 0° № 0° Ω	2.52634 AU -4°44'58 -1.7m
max. Earth dist.  conjunction minimum elong behind sun begin behind sun end asc. node	13958 Apr 09 16:36 13958 May 23 23:25 13958 Jun 02 18:16 13958 Jun 16 09:16 13958 Jul 04 15:56  13958 Jul 28 14:29 13958 Jul 28 14:54 13958 Jul 29 15:24 13958 Jul 29 15:24 13958 Aug 04 03:40 13958 Aug 13 08:54 13958 Oct 04 00:30 13958 Oct 28 18:26 13958 Dec 06 03:33 13959 Jan 14 21:05 13959 Feb 25 23:19 13959 Apr 12 22:16	0° II 0° © 6° © 53'29 16° © 38'37 0° Ω  17° Ω 56'18 17° Ω 57'05 17° Ω 10'37 18° Ω 43'37 22° Ω 55'39 0° ID 0° Ω 10° Ω 26'17 0° IL 0° ズ 0° IS 0° ズ 0° IS	-0°04'37	max. Earth dist. morning rise  desc. node  retrograde opposition greatest brilliancy min. Earth dist. direct	13963 Jan 16 08:28 13963 Jan 25 18:57 13963 Feb 12 07:00 13963 Mar 01 18:42 13963 Mar 11 20:40 13963 Apr 17 13:30 13963 Jun 06 03:51 13963 Jul 31 02:25 13963 Oct 19 11:33 13963 Nov 25 19:30 13963 Nov 27 00:47 13963 Dec 02 20:03 13964 Jan 05 04:55 13964 Mar 13 03:00 13964 Mar 26 08:22 13964 Jun 09 17:01 13964 Jul 18 15:59 13964 Aug 26 05:41	0°≈ 6°≈30'16 18°≈22'36 0° H 6° H35'55 0° Y 0° B 0° II 25° II 19'03 17° II 08'40 16° II 41'07 14° II 30'15 7° II 26'59 0°  7°  939'48 0°  0°  0°  10°  10°  10°  10°  10°  10	2.52634 AU -4°44'58 -1.7m
max. Earth dist.  conjunction minimum elong behind sun begin behind sun end asc. node  morning rise	13958 Apr 09 16:36 13958 May 23 23:25 13958 Jun 02 18:16 13958 Jun 16 09:16 13958 Jul 04 15:56  13958 Jul 28 14:29 13958 Jul 28 14:54 13958 Jul 27 14:23 13958 Jul 29 15:24 13958 Aug 04 03:40 13958 Aug 13 08:54 13958 Oct 04 00:30 13958 Oct 04 00:30 13958 Oct 28 18:26 13958 Dec 06 03:33 13959 Jan 14 21:05 13959 Feb 25 23:19 13959 Apr 12 22:16 13959 Jun 06 09:48	0° II 0° © 6° © 53'29 16° © 53'29 16° © 53'29 17° \$\alpha 56'18 17° \$\alpha 56'18 17° \$\alpha 56'18 17° \$\alpha 56'18 17° \$\alpha 10'37 18° \$\alpha 43'37 22° \$\alpha 55'39 0° ID 0° \$\alpha 10' \text{\$\alpha 26'17} 0° IL 0° \$\alpha 10' \text{\$\alpha 26'17} 0° \text{\$\alpha 0} \text{\$\alpha 0} \text{\$\alpha 10' \text{\$\alpha 26'17}} 0° \$\alpha 0' \text{\$\alpha 0' \text{\$\a	-0°04'37	max. Earth dist. morning rise  desc. node  retrograde opposition greatest brilliancy min. Earth dist. direct	13963 Jan 16 08:28 13963 Jan 25 18:57 13963 Feb 12 07:00 13963 Mar 01 18:42 13963 Mar 11 20:40 13963 Apr 17 13:30 13963 Jun 06 03:51 13963 Jul 31 02:25 13963 Oct 19 11:33 13963 Nov 25 19:30 13963 Nov 27 00:47 13963 Dec 02 20:03 13964 Jan 05 04:55 13964 Mar 13 03:00 13964 Mar 26 08:22 13964 Apr 29 13:29 13964 Jun 09 17:01 13964 Jul 18 15:59 13964 Aug 26 05:41 13964 Oct 04 14:15	0°≈ 6°≈30'16 18°≈22'36 0° ₩ 6° ₩35'55 0° ❤ 0° ৳ 0° Ⅲ 25° Ⅲ19'03 17° Ⅲ08'40 16° Ⅲ41'07 14° Ⅲ30'15 7° Ⅲ26'59 0° © 7° © 39'48 0° ℳ 0° ℳ 0° ℳ	2.52634 AU -4°44'58 -1.7m
max. Earth dist.  conjunction minimum elong behind sun begin behind sun end asc. node  morning rise	13958 Apr 09 16:36 13958 May 23 23:25 13958 Jun 02 18:16 13958 Jun 16 09:16 13958 Jul 04 15:56  13958 Jul 28 14:29 13958 Jul 27 14:23 13958 Jul 29 15:24 13958 Aug 04 03:40 13958 Aug 13 08:54 13958 Sep 20 19:18 13958 Oct 04 00:30 13958 Oct 28 18:26 13958 Dec 06 03:33 13959 Jan 14 21:05 13959 Feb 25 23:19 13959 Apr 12 22:16 13959 Jun 06 09:48 13959 Jun 07 17:12	0° II 0° © 6° © 53'29 16° © 38'37 0° Ω 17° Ω 56'18 17° Ω 57'05 17° Ω 10'37 18° Ω 43'37 22° Ω 55'39 0° ID 0° Ω 10° Ω 26'17 0° IL 0° ズ 0° IC 0° X 0° IC 0° Y 0° Y 36'29	-0°04'37	max. Earth dist. morning rise  desc. node  retrograde opposition greatest brilliancy min. Earth dist. direct  asc. node	13963 Jan 16 08:28 13963 Jan 25 18:57 13963 Feb 12 07:00 13963 Mar 01 18:42 13963 Mar 11 20:40 13963 Apr 17 13:30 13963 Jun 06 03:51 13963 Jul 31 02:25 13963 Nov 25 19:30 13963 Nov 27 00:47 13963 Nov 27 00:47 13963 Dec 02 20:03 13964 Jan 05 04:55 13964 Mar 13 03:00 13964 Mar 26 08:22 13964 Apr 29 13:29 13964 Jul 18 15:59 13964 Aug 26 05:41 13964 Oct 04 14:15 13964 Nov 14 12:27	0°≈ 6°≈30'16 18°≈22'36 0° Ж 6° Ж35'55 0° Υ 0° ႘ 0° Π 25° Π19'03 17° Π08'40 16° Π41'07 14° Π30'15 7° Π26'59 0° © 7° © 39'48 0° Ω 0° M 0° Ω 0° M 0° Ω	2.52634 AU -4°44'58 -1.7m
max. Earth dist.  conjunction minimum elong behind sun begin behind sun end asc. node  morning rise  desc. node	13958 Apr 09 16:36 13958 May 23 23:25 13958 Jun 02 18:16 13958 Jun 16 09:16 13958 Jul 04 15:56  13958 Jul 28 14:29 13958 Jul 27 14:23 13958 Jul 29 15:24 13958 Aug 04 03:40 13958 Aug 13 08:54 13958 Aug 13 08:54 13958 Oct 04 00:30 13958 Oct 28 18:26 13958 Oct 28 18:26 13958 Dec 06 03:33 13959 Jan 14 21:05 13959 Feb 25 23:19 13959 Apr 12 22:16 13959 Jun 06 09:48 13959 Jun 07 17:12 13959 Aug 06 02:07	0° II 0° S 6° S53'29 16° S38'37 0° N 17° N56'18 17° N57'05 17° N10'37 18° N43'37 22° N55'39 0° ID 0° S 10° S 0° IL 0° X 0° II 0° X 0° Y 0° Y 36'29 16° Y 52'38	-0°04'37 0°05'24	max. Earth dist. morning rise  desc. node  retrograde opposition greatest brilliancy min. Earth dist. direct	13963 Jan 16 08:28 13963 Jan 25 18:57 13963 Feb 12 07:00 13963 Mar 01 18:42 13963 Mar 11 20:40 13963 Apr 17 13:30 13963 Jun 06 03:51 13963 Jul 31 02:25 13963 Nov 25 19:30 13963 Nov 27 00:47 13963 Nov 27 00:47 13963 Dec 02 20:03 13964 Jan 05 04:55 13964 Mar 13 03:00 13964 Mar 26 08:22 13964 Apr 29 13:29 13964 Jul 18 15:59 13964 Aug 26 05:41 13964 Oct 04 14:15 13964 Nov 14 12:27 13964 Dec 14 17:58	0°≈ 6°≈30'16 18°≈22'36 0° H 6° H35'55 0° Y 0° B 0° II 25° II19'03 17° I08'40 16° II41'07 14° I30'15 7° II26'59 0°© 7°©39'48 0° R 0° II	2.52634 AU -4°44'58 -1.7m
max. Earth dist.  conjunction minimum elong behind sun begin behind sun end asc. node  morning rise  desc. node retrograde opposition	13958 Apr 09 16:36 13958 May 23 23:25 13958 Jun 02 18:16 13958 Jun 16 09:16 13958 Jul 04 15:56  13958 Jul 28 14:29 13958 Jul 27 14:23 13958 Jul 29 15:24 13958 Aug 04 03:40 13958 Aug 13 08:54 13958 Apr 12 09:18 13958 Oct 04 00:30 13958 Oct 28 18:26 13958 Oct 04 00:30 13958 Oct 28 18:26 13958 Dec 06 03:33 13959 Jan 14 21:05 13959 Feb 25 23:19 13959 Apr 12 22:16 13959 Jun 06 09:48 13959 Jun 07 17:12 13959 Aug 06 02:07 13959 Sep 15 19:58	0° II 0° S 6° S53'29 16° S38'37 0° N 17° N56'18 17° N57'05 17° N10'37 18° N43'37 22° N55'39 0° III 0° S 10° D26'17 0° III 0° S 0° S 0° S 0° S 0° Y 0° Y36'29 16° Y52'38 7° Y04'33	-0°04'37 0°05'24	max. Earth dist. morning rise  desc. node  retrograde opposition greatest brilliancy min. Earth dist. direct  asc. node	13963 Jan 16 08:28 13963 Jan 25 18:57 13963 Feb 12 07:00 13963 Mar 01 18:42 13963 Mar 11 20:40 13963 Apr 17 13:30 13963 Jun 06 03:51 13963 Jul 31 02:25 13963 Nov 25 19:30 13963 Nov 27 00:47 13963 Dec 02 20:03 13964 Jan 05 04:55 13964 Mar 13 03:00 13964 Mar 26 08:22 13964 Apr 29 13:29 13964 Jun 09 17:01 13964 Jul 18 15:59 13964 Aug 26 05:41 13964 Oct 04 14:15 13964 Nov 14 12:27 13964 Dec 14 17:58 13964 Dec 27 09:26	0°≈ 6°≈30'16 18°≈22'36 0° ℋ 6° ℋ35'55 0° ℉ 0° ௧ 0° Ⅲ 25° Ⅲ19'03 17° Ⅲ08'40 16° Ⅲ41'07 14° Ⅲ30'15 7° Ⅲ26'59 0°ጭ 7°©39'48 0° Ω 0° ♍ 0° Љ 0° Љ 0° Љ 21° ♂ 17'49 0°≈	2.52634 AU -4°44'58 -1.7m
max. Earth dist.  conjunction minimum elong behind sun begin behind sun end asc. node  morning rise  desc. node retrograde opposition min. Earth dist.	13958 Apr 09 16:36 13958 May 23 23:25 13958 Jun 02 18:16 13958 Jun 16 09:16 13958 Jul 04 15:56  13958 Jul 28 14:29 13958 Jul 28 14:54 13958 Jul 29 15:24 13958 Aug 04 03:40 13958 Aug 13 08:54 13958 Aug 13 08:54 13958 Oct 04 00:30 13958 Oct 28 18:26 13958 Dec 06 03:33 13959 Jan 14 21:05 13959 Feb 25 23:19 13959 Apr 12 22:16 13959 Jun 06 09:48 13959 Jun 07 17:12 13959 Aug 06 02:07 13959 Sep 15 19:58 13959 Sep 15 19:58	0° II 0° S 6° S53'29 16° S38'37 0° N 17° N56'18 17° N57'05 17° N10'37 18° N43'37 22° N55'39 0° II 0° S 10° S 0° S	-0°04'37 0°05'24 -3°19'53 0.68372 AU	max. Earth dist. morning rise  desc. node  retrograde opposition greatest brilliancy min. Earth dist. direct  asc. node	13963 Jan 16 08:28 13963 Jan 25 18:57 13963 Feb 12 07:00 13963 Mar 01 18:42 13963 Mar 11 20:40 13963 Apr 17 13:30 13963 Jun 06 03:51 13963 Jul 31 02:25 13963 Nov 25 19:30 13963 Nov 27 00:47 13963 Nov 27 00:47 13963 Dec 02 20:03 13964 Jan 05 04:55 13964 Mar 13 03:00 13964 Mar 26 08:22 13964 Apr 29 13:29 13964 Jul 18 15:59 13964 Aug 26 05:41 13964 Oct 04 14:15 13964 Nov 14 12:27 13964 Dec 14 17:58	0°≈ 6°≈30'16 18°≈22'36 0° H 6° H35'55 0° Y 0° B 0° II 25° II19'03 17° I08'40 16° II41'07 14° I30'15 7° II26'59 0°© 7°©39'48 0° R 0° II	2.52634 AU -4°44'58 -1.7m
max. Earth dist.  conjunction minimum elong behind sun begin behind sun end asc. node  morning rise  desc. node retrograde opposition	13958 Apr 09 16:36 13958 May 23 23:25 13958 Jun 02 18:16 13958 Jun 16 09:16 13958 Jul 04 15:56  13958 Jul 28 14:29 13958 Jul 28 14:54 13958 Jul 29 15:24 13958 Jul 29 15:24 13958 Aug 04 03:40 13958 Aug 13 08:54 13958 Aug 13 08:54 13958 Oct 04 00:30 13958 Oct 28 18:26 13958 Dec 06 03:33 13959 Jun 06 03:49 13959 Apr 12 22:16 13959 Jun 06 09:48 13959 Jun 06 09:48 13959 Aug 06 02:07 13959 Sep 15 19:58 13959 Sep 15 06:10 13959 Sep 15 16:55	0° II 0° S 6° S53'29 16° S38'37 0° A 17° A56'18 17° A57'05 17° A10'37 18° A43'37 22° A55'39 0° ID 0° S 10° S 0° Y 0° Y 36'29 16° Y 52'38 7° Y 04'33 7° Y 18'14 7° Y 07'35	-0°04'37 0°05'24 -3°19'53 0.68372 AU	max. Earth dist. morning rise  desc. node  retrograde opposition greatest brilliancy min. Earth dist. direct  asc. node  evening set  desc. node	13963 Jan 16 08:28 13963 Jan 25 18:57 13963 Feb 12 07:00 13963 Mar 01 18:42 13963 Mar 11 20:40 13963 Apr 17 13:30 13963 Jun 06 03:51 13963 Jul 31 02:25 13963 Oct 19 11:33 13963 Nov 25 19:30 13963 Nov 27 00:47 13963 Dec 02 20:03 13964 Jan 05 04:55 13964 Mar 13 03:00 13964 Mar 26 08:22 13964 Apr 29 13:29 13964 Jun 09 17:01 13964 Jul 18 15:59 13964 Aug 26 05:41 13964 Oct 04 14:15 13964 Oct 04 14:15 13964 Nov 14 12:27 13964 Dec 14 17:58 13964 Dec 27 09:26 13965 Jan 26 08:11	0°≈ 6°≈30'16 18°≈22'36 0° H 6° H35'55 0° Y 0° B 0° II 25° II 19'03 17° II 08'40 16° II 41'07 14° II 30'15 7° II 26'59 0° F 7° F 39'48 0° A 0° II 0° I	2.52634 AU -4°44'58 -1.7m 0.58171 AU
max. Earth dist.  conjunction minimum elong behind sun begin behind sun end asc. node  morning rise  desc. node retrograde opposition min. Earth dist. greatest brilliancy	13958 Apr 09 16:36 13958 May 23 23:25 13958 Jun 02 18:16 13958 Jun 16 09:16 13958 Jul 04 15:56  13958 Jul 28 14:29 13958 Jul 28 14:54 13958 Jul 29 15:24 13958 Jul 29 15:24 13958 Aug 04 03:40 13958 Aug 13 08:54 13958 Oct 04 00:30 13958 Oct 28 18:26 13958 Dec 06 03:33 13959 Jan 14 21:05 13959 Feb 25 23:19 13959 Apr 12 22:16 13959 Jun 06 09:48 13959 Jun 07 17:12 13959 Aug 06 02:07 13959 Sep 15 19:58 13959 Sep 15 06:10 13959 Sep 15 16:55 13959 Oct 06 05:07	0° II 0° S 6° S53'29 16° S38'37 0° N 17° N56'18 17° N57'05 17° N10'37 18° N43'37 22° N55'39 0° II 0° S	-0°04'37 0°05'24 -3°19'53 0.68372 AU	max. Earth dist. morning rise  desc. node  retrograde opposition greatest brilliancy min. Earth dist. direct  asc. node  evening set  desc. node  conjunction	13963 Jan 16 08:28 13963 Jan 25 18:57 13963 Feb 12 07:00 13963 Mar 01 18:42 13963 Mar 11 20:40 13963 Apr 17 13:30 13963 Jun 06 03:51 13963 Jul 31 02:25 13963 Oct 19 11:33 13963 Nov 25 19:30 13964 Nov 27 00:47 13963 Dec 02 20:03 13964 Jan 05 04:55 13964 Mar 13 03:00 13964 Mar 26 08:22 13964 Apr 29 13:29 13964 Jun 09 17:01 13964 Jul 18 15:59 13964 Aug 26 05:41 13964 Oct 04 14:15 13964 Oct 04 14:15 13964 Dec 14 17:58 13964 Dec 27 09:26 13965 Jan 26 08:11	0°≈ 6°≈30'16 18°≈22'36 0° H 6° H35'55 0° Y 0° B 0° II 25° II 19'03 17° II 08'40 16° II 41'07 14° II 30'15 7° II 26'59 0° F 7° F 39'48 0° I 0° I 0° I 0° I 0° I 0° I 20° I 10'24 25°≈59'13	2.52634 AU  -4°44'58 -1.7m 0.58171 AU
max. Earth dist.  conjunction minimum elong behind sun begin behind sun end asc. node  morning rise  desc. node retrograde opposition min. Earth dist.	13958 Apr 09 16:36 13958 May 23 23:25 13958 Jun 02 18:16 13958 Jun 16 09:16 13958 Jul 04 15:56  13958 Jul 28 14:29 13958 Jul 28 14:54 13958 Jul 29 15:24 13958 Jul 29 15:24 13958 Aug 04 03:40 13958 Aug 13 08:54 13958 Oct 04 00:30 13958 Oct 28 18:26 13958 Dec 06 03:33 13959 Jan 14 21:05 13959 Feb 25 23:19 13959 Apr 12 22:16 13959 Jun 06 09:48 13959 Jun 07 17:12 13959 Aug 06 02:07 13959 Sep 15 19:58 13959 Sep 15 16:55 13959 Oct 06 05:07 13959 Oct 06 05:07 13959 Oct 26 19:15	0° II 0° S 6° S53'29 16° S38'37 0° N 17° N56'18 17° N57'05 17° N10'37 18° N43'37 22° N55'39 0° ID 0° S	-0°04'37 0°05'24 -3°19'53 0.68372 AU	max. Earth dist. morning rise  desc. node  retrograde opposition greatest brilliancy min. Earth dist. direct  asc. node  evening set  desc. node  conjunction minimum elong	13963 Jan 16 08:28 13963 Jan 25 18:57 13963 Feb 12 07:00 13963 Mar 01 18:42 13963 Mar 11 20:40 13963 Apr 17 13:30 13963 Jun 06 03:51 13963 Jul 31 02:25 13963 Oct 19 11:33 13963 Nov 25 19:30 13964 Jan 05 04:55 13964 Mar 13 03:00 13964 Mar 26 08:22 13964 Apr 29 13:29 13964 Jul 18 15:59 13964 Jul 18 15:59 13964 Aug 26 05:41 13964 Oct 04 14:15 13964 Oct 04 14:15 13964 Dec 14 17:58 13964 Dec 27 09:26 13965 Feb 04 03:04 13965 Feb 04 03:04	0°≈ 6°≈30'16 18°≈22'36 0° H 6° H35'55 0° Y 0° B 0° II 25° II 19'03 17° II 08'40 16° II 41'07 14° II 30'15 7° II 26'59 0° F 7° F 39'48 0° I 0° I 0° I 0° I 0° I 21° T 17'49 0°≈ 20°≈10'24 25°≈59'13 25°≈58'52	2.52634 AU  -4°44'58 -1.7m 0.58171 AU
max. Earth dist.  conjunction minimum elong behind sun begin behind sun end asc. node  morning rise  desc. node retrograde opposition min. Earth dist. greatest brilliancy	13958 Apr 09 16:36 13958 May 23 23:25 13958 Jun 02 18:16 13958 Jun 16 09:16 13958 Jul 04 15:56  13958 Jul 28 14:29 13958 Jul 28 14:54 13958 Jul 29 15:24 13958 Jul 29 15:24 13958 Aug 04 03:40 13958 Aug 13 08:54 13958 Oct 04 00:30 13958 Oct 28 18:26 13958 Dec 06 03:33 13959 Jan 14 21:05 13959 Feb 25 23:19 13959 Apr 12 22:16 13959 Jun 06 09:48 13959 Jun 07 17:12 13959 Aug 06 02:07 13959 Sep 15 19:58 13959 Sep 15 19:58 13959 Sep 15 16:55 13959 Oct 06 05:07 13959 Oct 26 19:15 13959 Nov 18 01:50	0° II 0° S 6° S53'29 16° S38'37 0° A 17° A56'18 17° A56'18 17° A57'05 17° A10'37 18° A43'37 22° A55'39 0° ID 0° S 0° S 0° ID 0° S 0° S 0° Y 0° Y 36'29 16° Y 52'38 7° Y 04'33 7° Y 18'14 7° Y 07'35 30° R H 27° H 19'11 0° Y	-0°04'37 0°05'24 -3°19'53 0.68372 AU	max. Earth dist. morning rise  desc. node  retrograde opposition greatest brilliancy min. Earth dist. direct  asc. node  evening set  desc. node  conjunction minimum elong behind sun begin	13963 Jan 16 08:28 13963 Jan 25 18:57 13963 Feb 12 07:00 13963 Mar 01 18:42 13963 Mar 11 20:40 13963 Apr 17 13:30 13963 Jun 06 03:51 13963 Jul 31 02:25 13963 Oct 19 11:33 13963 Nov 25 19:30 13963 Nov 27 00:47 13963 Dec 02 20:03 13964 Jan 05 04:55 13964 Mar 13 03:00 13964 Mar 26 08:22 13964 Apr 29 13:29 13964 Jul 18 15:59 13964 Jul 18 15:59 13964 Aug 26 05:41 13964 Oct 04 14:15 13964 Oct 04 14:15 13964 Dec 14 17:58 13964 Dec 27 09:26 13965 Feb 04 03:04 13965 Feb 04 02:52 13965 Feb 04 02:52	0°≈ 6°≈30'16 18°≈22'36 0° H 6° H35'55 0° Y 0° B 0° II 25° II 19'03 17° II 08'40 16° II 41'07 14° II 30'15 7° II 26'59 0° © 7°©39'48 0° Ω 0° II 0° II 0° II 25°≈59'13 25°≈58'52 25°≈26'29	2.52634 AU  -4°44'58 -1.7m 0.58171 AU
max. Earth dist.  conjunction minimum elong behind sun begin behind sun end asc. node  morning rise  desc. node retrograde opposition min. Earth dist. greatest brilliancy	13958 Apr 09 16:36 13958 May 23 23:25 13958 Jun 02 18:16 13958 Jun 16 09:16 13958 Jul 04 15:56  13958 Jul 28 14:29 13958 Jul 28 14:54 13958 Jul 29 15:24 13958 Jul 29 15:24 13958 Aug 04 03:40 13958 Aug 13 08:54 13958 Oct 04 00:30 13958 Oct 28 18:26 13958 Dec 06 03:33 13959 Jan 14 21:05 13959 Feb 25 23:19 13959 Apr 12 22:16 13959 Jun 06 09:48 13959 Jun 07 17:12 13959 Aug 06 02:07 13959 Sep 15 19:58 13959 Sep 15 16:55 13959 Oct 06 05:07 13959 Oct 06 05:07 13959 Oct 26 19:15	0° II 0° S 6° S53'29 16° S38'37 0° N 17° N56'18 17° N57'05 17° N10'37 18° N43'37 22° N55'39 0° ID 0° S	-0°04'37 0°05'24 -3°19'53 0.68372 AU	max. Earth dist. morning rise  desc. node  retrograde opposition greatest brilliancy min. Earth dist. direct  asc. node  evening set  desc. node  conjunction minimum elong	13963 Jan 16 08:28 13963 Jan 25 18:57 13963 Feb 12 07:00 13963 Mar 01 18:42 13963 Mar 11 20:40 13963 Apr 17 13:30 13963 Jun 06 03:51 13963 Jul 31 02:25 13963 Oct 19 11:33 13963 Nov 25 19:30 13964 Jan 05 04:55 13964 Mar 13 03:00 13964 Mar 26 08:22 13964 Apr 29 13:29 13964 Jul 18 15:59 13964 Jul 18 15:59 13964 Aug 26 05:41 13964 Oct 04 14:15 13964 Oct 04 14:15 13964 Dec 14 17:58 13964 Dec 27 09:26 13965 Feb 04 03:04 13965 Feb 04 03:04	0°≈ 6°≈30'16 18°≈22'36 0° H 6° H35'55 0° Y 0° B 0° II 25° II 19'03 17° II 08'40 16° II 41'07 14° II 30'15 7° II 26'59 0° F 7° F 39'48 0° I 0° I 0° I 0° I 0° I 21° T 17'49 0°≈ 20°≈10'24 25°≈59'13 25°≈58'52	2.52634 AU  -4°44'58 -1.7m 0.58171 AU

13975 Jul 08 15:58

12°**Ω**01′02

min. Earth dist.

13970 Jun 03 17:03

4°る20'31 0.46736 AU

asc. node

	13975 Aug 01 03:16	0° <b>m</b> )			13980 Feb 18 02:50	0° <b>∀</b>	
max. Earth dist.	13975 Aug 05 16:28	•	2.37153 AU	morning rise	13980 Mar 08 06:56	12° <b>∺</b> 30'30	
	13975 Sep 08 08:45	0∘ <b>⊽</b>			13980 Apr 04 15:03	0° <b>Ƴ</b>	
					13980 May 22 22:20	0∘ <b>R</b>	
conjunction	13975 Sep 09 13:05	0° <b>2</b> 56'06			13980 Jul 12 12:44	0°II	
minimum elong	13975 Sep 09 09:17	0° <b>ჲ</b> 48'36	0°41'45		13980 Sep 06 12:50	0°55	
morning rise	13975 Oct 16 04:43 13975 Nov 23 05:15	0°ጤ 29°ጤ45'52		retrograde opposition	13980 Nov 18 12:32 13980 Dec 23 10:22	22° <b>©</b> 02'50 14° <b>©</b> 52'14	2020154
morning risc	13975 Nov 23 12:34	0° <b>√</b> 1		greatest brilliancy	13980 Dec 24 15:40	14°9526'14	
	13976 Jan 02 05:00	0°ਤ		min. Earth dist.	13981 Jan 01 00:17	11°950'27	0.50156 AU
	13976 Feb 13 01:04	0° <b>≈</b>		direct	13981 Jan 30 14:21	6°904'51	0.00100110
	13976 Mar 28 21:21	0° <b>∀</b>		asc. node	13981 Feb 28 06:11	11° <b>©</b> 17'07	
desc. node	13976 May 11 03:01	26° <b>)</b> €24'03			13981 Apr 08 06:24	$0^{\circ}\Omega$	
	13976 May 17 10:40	$0^{\circ}$ Y			13981 May 23 15:39	0° <b>m</b>	
	13976 Jul 20 04:17	$9^{\circ}$ 8			13981 Jul 03 05:26	0∘ <b>亚</b>	
retrograde	13976 Aug 26 01:08	6° <b>8</b> 53'17			13981 Aug 11 19:47	$0^{\circ}$ M	
	13976 Sep 28 15:13	30° <b>₹</b> Υ			13981 Sep 21 01:17	0° <b>∡</b> ¹	
opposition	13976 Oct 05 08:41	27° <b>Υ</b> '24'14			13981 Nov 01 18:46	0°ප	
greatest brilliancy	13976 Oct 05 13:42	27° <b>Y</b> 19'18 26° <b>Y</b> 42'19		1 1	13981 Dec 15 08:32	0°≈	
min. Earth dist. direct	13976 Oct 07 03:17 13976 Nov 15 21:24	17° <b>Υ</b> 25'03	0.68142 AU	desc. node evening set	13981 Dec 30 18:10 13982 Jan 11 12:58	10°≈18'51 18°≈07'05	
direct	13977 Jan 06 13:22	0° <b>8</b>		evening set	13982 Jan 29 16:18	0° <b>X</b>	
	13977 Mar 04 23:36	0°II			13982 Jan 29 10.18	0 /	
	13977 Apr 20 13:03	0°©		conjunction	13982 Feb 27 19:24	18° <b>¥</b> 48'35	-0°32'10
asc. node	13977 May 25 13:58	24°5549'34		minimum elong	13982 Feb 27 18:23	18° <b>)</b> 46′58	
	13977 Jun 01 14:43	$0^{\circ}\Omega$		max. Earth dist.	13982 Mar 08 22:41	24° <b>∺</b> 39'18	2.66719 AU
	13977 Jul 11 02:15	0° <b>m</b> y			13982 Mar 17 07:52	$0^{\circ}$ Y	
	13977 Aug 18 05:35	0∘ <b>⊽</b>		morning rise	13982 Apr 13 00:08	16° <b>Ƴ</b> 54'43	
evening set	13977 Sep 15 18:21	22° <b>≏</b> 38'06			13982 May 03 18:26	$9^{\circ}$ 8	
	13977 Sep 25 02:01	$0^{\circ}$ M			13982 Jun 20 14:27	$\Pi$ °0	
	13977 Nov 02 14:06	0° <b>∡</b> ¹			13982 Aug 07 19:29	0ංම	
	12077.) 25 02 20	170 70 420	1001100		13982 Sep 26 00:34	0° <b>N</b>	
conjunction	13977 Nov 25 02:39	17° <b>7</b> '04'39	1°01'00	1-	13982 Nov 17 23:10	0° M)	
minimum elong	13977 Nov 25 04:51 13977 Dec 12 12:55	17° <b>メ</b> 08'45 0°る	1°02'00	asc. node retrograde	13983 Jan 16 13:08 13983 Jan 28 21:21	22° m/34'50 23° m/32'36	
max. Earth dist.	13977 Dec 12 12:33 13978 Jan 10 15:47		2.47276 AU	opposition	13983 Feb 27 18:28	18° <b>m</b> <sub>2</sub> 32'15	3°07'05
max. Darm dist.	13978 Jan 23 12:20	0° <b>≈</b>	2.17270110	greatest brilliancy	13983 Feb 28 03:43	18° <b>m</b> ) 25'51	-3.0m
morning rice							
morning rise	13978 Jan 24 18:49	0°≈52'58				-•	0.37482 AU
morning rise	13978 Jan 24 18:49 13978 Mar 08 21:13	0°≈52'58 0° <b>米</b>		min. Earth dist.	13983 Mar 03 19:30 13983 Mar 30 17:56	17° m/25'18 13° m/03'01	
desc. node				min. Earth dist.	13983 Mar 03 19:30	17° <b>m</b> 25'18	
	13978 Mar 08 21:13	0° <b>ℋ</b> 12° <b>ℋ</b> 50'13 0° <b>Ƴ</b>		min. Earth dist.	13983 Mar 03 19:30 13983 Mar 30 17:56	17° m/25'18 13° m/03'01	
	13978 Mar 08 21:13 13978 Mar 28 16:15	0°₩ 12°₩50'13 0°Ψ 0°₩		min. Earth dist.	13983 Mar 03 19:30 13983 Mar 30 17:56 13983 May 24 05:17 13983 Jul 12 15:29 13983 Aug 26 13:12	17° m 25'18 13° m 03'01 0° Ω 0° M 0° ⊀	
desc. node	13978 Mar 08 21:13 13978 Mar 28 16:15 13978 Apr 25 00:00 13978 Jun 14 23:40 13978 Aug 15 12:06	0°₩ 12°₩50'13 0°Υ 0°₩ 0°Ш		min. Earth dist. direct	13983 Mar 03 19:30 13983 Mar 30 17:56 13983 May 24 05:17 13983 Jul 12 15:29 13983 Aug 26 13:12 13983 Oct 10 08:39	17° m 25'18 13° m 03'01 0° Ω 0° M 0° ¾ 0° ♂	
desc. node	13978 Mar 08 21:13 13978 Mar 28 16:15 13978 Apr 25 00:00 13978 Jun 14 23:40 13978 Aug 15 12:06 13978 Oct 02 14:00	0°₩ 12°₩50'13 0°Ψ 0°₩ 0°Ⅲ 10°Ⅲ47'55	107.015	min. Earth dist.	13983 Mar 03 19:30 13983 Mar 30 17:56 13983 May 24 05:17 13983 Jul 12 15:29 13983 Aug 26 13:12 13983 Oct 10 08:39 13983 Nov 17 18:24	17° M 25'18 13° M 03'01 0° Ω 0° M 0° % 0° ♂ 25° ♂ 13'45	
desc. node retrograde opposition	13978 Mar 08 21:13 13978 Mar 28 16:15 13978 Apr 25 00:00 13978 Jun 14 23:40 13978 Aug 15 12:06 13978 Oct 02 14:00 13978 Nov 10 01:57	0°₩ 12°₩50'13 0°Ψ 0°₩ 0°Ш 10°Щ47'55 2°Щ09'00		min. Earth dist. direct	13983 Mar 03 19:30 13983 Mar 30 17:56 13983 May 24 05:17 13983 Jul 12 15:29 13983 Aug 26 13:12 13983 Oct 10 08:39 13983 Nov 17 18:24 13983 Nov 25 02:45	17° m/25'18 13° m/03'01 0° Ω 0° m 0° № 0° № 25° ♂ 13'45 0° ≈	
desc. node	13978 Mar 08 21:13 13978 Mar 28 16:15 13978 Apr 25 00:00 13978 Jun 14 23:40 13978 Aug 15 12:06 13978 Oct 02 14:00 13978 Nov 10 01:57 13978 Nov 11 01:14	0°¥ 12°¥50'13 0°Υ 0°Υ 0°Ⅱ 10°Ⅲ47'55 2°Ⅲ09'00 1°Ⅲ46'38		min. Earth dist. direct	13983 Mar 03 19:30 13983 Mar 30 17:56 13983 May 24 05:17 13983 Jul 12 15:29 13983 Aug 26 13:12 13983 Oct 10 08:39 13983 Nov 17 18:24 13983 Nov 25 02:45 13984 Jan 10 21:07	17° m 25'18 13° m 03'01 0° Ω 0° m 0° ¾ 0° ♂ 25° ♂ 13'45 0° ≈ 0° ¥	
desc. node  retrograde opposition greatest brilliancy	13978 Mar 08 21:13 13978 Mar 28 16:15 13978 Apr 25 00:00 13978 Jun 14 23:40 13978 Aug 15 12:06 13978 Oct 02 14:00 13978 Nov 10 01:57 13978 Nov 11 01:14	0°₩ 12°₩50'13 0°Ψ 0°₩ 0°Ⅲ 10°Ⅲ47'55 2°Ⅲ09'00 1°Ⅲ46'38 30°₽₩	-1.5m	min. Earth dist. direct	13983 Mar 03 19:30 13983 Mar 30 17:56 13983 May 24 05:17 13983 Jul 12 15:29 13983 Aug 26 13:12 13983 Oct 10 08:39 13983 Nov 17 18:24 13983 Nov 25 02:45 13984 Jan 10 21:07 13984 Feb 18 23:26	17° m25'18 13° m03'01 0° Ω 0° M 0° ズ 0° ℧ 25° ℧13'45 0° ※ 0° ℋ 24° ℋ46'24	
desc. node retrograde opposition	13978 Mar 08 21:13 13978 Mar 28 16:15 13978 Apr 25 00:00 13978 Jun 14 23:40 13978 Aug 15 12:06 13978 Oct 02 14:00 13978 Nov 10 01:57 13978 Nov 11 01:14 13978 Nov 15 16:22 13978 Nov 15 17:06	0°₩ 12°₩50'13 0°Ψ 0°₩ 0°Ⅲ 10°Ⅲ47'55 2°Ⅲ09'00 1°Ⅲ46'38 30°₽₩ 29°₩59'19	-1.5m	min. Earth dist. direct	13983 Mar 03 19:30 13983 Mar 30 17:56 13983 May 24 05:17 13983 Jul 12 15:29 13983 Aug 26 13:12 13983 Oct 10 08:39 13983 Nov 17 18:24 13983 Nov 25 02:45 13984 Jan 10 21:07	17° m25'18 13° m03'01 0° Ω 0° M 0° ¾ 0° ♂ 25° ♂ 13'45 0° ※ 0° ℋ 24° ℋ 46'24 0° Υ	0.37482 AU
retrograde opposition greatest brilliancy min. Earth dist.	13978 Mar 08 21:13 13978 Mar 28 16:15 13978 Apr 25 00:00 13978 Jun 14 23:40 13978 Aug 15 12:06 13978 Oct 02 14:00 13978 Nov 10 01:57 13978 Nov 11 01:14	0°₩ 12°₩50'13 0°Ψ 0°₩ 10°Ш47'55 2°Ш09'00 1°Ш46'38 30°₽₩ 29°₩59'19 22°₩12'09	-1.5m	min. Earth dist. direct  desc. node  evening set	13983 Mar 03 19:30 13983 Mar 30 17:56 13983 May 24 05:17 13983 Jul 12 15:29 13983 Aug 26 13:12 13983 Oct 10 08:39 13983 Nov 17 18:24 13983 Nov 25 02:45 13984 Jan 10 21:07 13984 Feb 18 23:26 13984 Feb 27 05:52	17° m25'18 13° m03'01 0° Ω 0° M 0° ¾ 0° ♂ 25° ♂ 13'45 0° ※ 0° ℋ 24° ℋ 46'24 0° Υ	
retrograde opposition greatest brilliancy min. Earth dist.	13978 Mar 08 21:13 13978 Mar 28 16:15 13978 Apr 25 00:00 13978 Jun 14 23:40 13978 Aug 15 12:06 13978 Oct 02 14:00 13978 Nov 10 01:57 13978 Nov 11 01:14 13978 Nov 15 16:22 13978 Nov 15 17:06 13978 Dec 21 05:06	0°₩ 12°₩50'13 0°Ψ 0°₩ 0°Ⅲ 10°Ⅲ47'55 2°Ⅲ09'00 1°Ⅲ46'38 30°₽₩ 29°₩59'19	-1.5m	min. Earth dist. direct  desc. node  evening set	13983 Mar 03 19:30 13983 Mar 30 17:56 13983 May 24 05:17 13983 Jul 12 15:29 13983 Aug 26 13:12 13983 Oct 10 08:39 13983 Nov 17 18:24 13983 Nov 25 02:45 13984 Jan 10 21:07 13984 Feb 18 23:26 13984 Feb 27 05:52	17° m25'18 13° m03'01 0° Ω 0° M 0° ¾ 0° ♂ 25° ♂ 13'45 0° ※ 0° ℋ 24° ℋ 46'24 0° Υ	0.37482 AU 2.68363 AU
retrograde opposition greatest brilliancy min. Earth dist.	13978 Mar 08 21:13 13978 Mar 28 16:15 13978 Apr 25 00:00 13978 Jun 14 23:40 13978 Aug 15 12:06 13978 Oct 02 14:00 13978 Nov 10 01:57 13978 Nov 11 01:14 13978 Nov 15 16:22 13978 Nov 15 17:06 13978 Dec 21 05:06 13979 Jan 27 23:32	0°₩ 12°₩50'13 0°Ψ 0°₩ 10°Ш47'55 2°Ш09'00 1°Ш46'38 30°₽₩ 29°₩59'19 22°₩12'09 0°Ш	-1.5m	min. Earth dist. direct  desc. node  evening set  max. Earth dist.	13983 Mar 03 19:30 13983 Mar 30 17:56 13983 May 24 05:17 13983 Jul 12 15:29 13983 Aug 26 13:12 13983 Oct 10 08:39 13983 Nov 17 18:24 13983 Nov 25 02:45 13984 Jan 10 21:07 13984 Feb 18 23:26 13984 Feb 27 05:52 13984 Mar 29 23:48	17° m25'18 13° m03'01 0° Ω 0° m 0° % 0° ♂ 0° ♂ 25° ♂ 13'45 0° ≈ 0° ℋ 24° ℋ 46'24 0° ♈ 20° ♈ 05'12	0.37482 AU 2.68363 AU -1°02'37
retrograde opposition greatest brilliancy min. Earth dist. direct	13978 Mar 08 21:13 13978 Mar 28 16:15 13978 Apr 25 00:00 13978 Jun 14 23:40 13978 Aug 15 12:06 13978 Oct 02 14:00 13978 Nov 10 01:57 13978 Nov 11 01:14 13978 Nov 15 16:22 13978 Nov 15 17:06 13978 Dec 21 05:06 13979 Jan 27 23:32 13979 Mar 26 22:48	0° ₩ 12° ₩ 50'13 0° ❤ 0° ੴ 0° Ⅲ 10° Ⅲ 47'55 2° Ⅲ 09'00 1° Ⅲ 46'38 30° ₹ ੴ 29° ੴ 59'19 22° ੴ 12'09 0° Ⅲ 0° ဪ 10° ☞ 53'40 0° ℳ	-1.5m	min. Earth dist. direct  desc. node  evening set  max. Earth dist.  conjunction	13983 Mar 03 19:30 13983 Mar 30 17:56 13983 May 24 05:17 13983 Jul 12 15:29 13983 Aug 26 13:12 13983 Oct 10 08:39 13983 Nov 17 18:24 13983 Nov 25 02:45 13984 Jan 10 21:07 13984 Feb 18 23:26 13984 Feb 27 05:52 13984 Mar 29 23:48	17° m25'18 13° m03'01 0° Ω 0° m 0° % 0° % 0° % 25° ₹ 13'45 0° ≈ 0° ¥ 24° ¥ 46'24 0° Υ 20° Υ 05'12 22° Υ 39'48 0° ႘	0.37482 AU 2.68363 AU -1°02'37
retrograde opposition greatest brilliancy min. Earth dist. direct	13978 Mar 08 21:13 13978 Mar 28 16:15 13978 Apr 25 00:00 13978 Jun 14 23:40 13978 Aug 15 12:06 13978 Oct 02 14:00 13978 Nov 10 01:57 13978 Nov 11 01:14 13978 Nov 15 16:22 13978 Nov 15 17:06 13978 Dec 21 05:06 13979 Jan 27 23:32 13979 Mar 26 22:48 13979 Apr 12 20:07 13979 May 10 09:45 13979 Jun 19 16:05	0° ₩ 12° ₩ 50'13 0° ϒ 0° ϒ 0° Β 0° Π 10° Π 47'55 2° Π 09'00 1° Π 46'38 30° ₹ ႘ 29° ႘ 59'19 22° ႘ 12'09 0° Π 0° Φ 10° Φ 53'40 0° Ω 0° ዂ	-1.5m	min. Earth dist. direct  desc. node  evening set  max. Earth dist.  conjunction	13983 Mar 03 19:30 13983 Mar 30 17:56 13983 May 24 05:17 13983 Jul 12 15:29 13983 Aug 26 13:12 13983 Oct 10 08:39 13983 Nov 17 18:24 13983 Nov 25 02:45 13984 Jan 10 21:07 13984 Feb 18 23:26 13984 Feb 27 05:52 13984 Mar 29 23:48	17° m25'18 13° m03'01 0° Ω 0° m 0° ズ 0° で 25° で13'45 0° ※ 0° 升 24° 升46'24 0° Y 20° Y 05'12 22° Y 39'48 0° と 20° と 12'43	0.37482 AU 2.68363 AU -1°02'37
retrograde opposition greatest brilliancy min. Earth dist. direct	13978 Mar 08 21:13 13978 Mar 28 16:15 13978 Apr 25 00:00 13978 Jun 14 23:40 13978 Aug 15 12:06 13978 Oct 02 14:00 13978 Nov 10 01:57 13978 Nov 11 01:14 13978 Nov 15 16:22 13978 Nov 15 17:06 13978 Dec 21 05:06 13979 Jan 27 23:32 13979 Mar 26 22:48 13979 Apr 12 20:07 13979 May 10 09:45 13979 Jun 19 16:05 13979 Jul 28 04:43	0° ₩ 12° ₩ 50'13 0° ❤ 0° ੴ 0° Ⅲ 10° Ⅲ 47'55 2° Ⅲ 09'00 1° Ⅲ 46'38 30° № 29° ੴ 59'19 22° ੴ 12'09 0° Ⅲ 0° ဪ 10° ဪ 3'40 0° ℳ 0° ℳ 0° ℳ	-1.5m	min. Earth dist. direct  desc. node  evening set  max. Earth dist.  conjunction  minimum elong	13983 Mar 03 19:30 13983 Mar 30 17:56 13983 May 24 05:17 13983 Jul 12 15:29 13983 Aug 26 13:12 13983 Oct 10 08:39 13983 Nov 17 18:24 13983 Nov 25 02:45 13984 Jan 10 21:07 13984 Feb 18 23:26 13984 Feb 27 05:52 13984 Mar 29 23:48 13984 Apr 03 02:19 13984 Apr 03 01:19 13984 Apr 14 14:27 13984 May 16 04:56 13984 May 31 08:59	17° m25'18 13° m03'01 0° 点 0° m. 0° ズ 0° で 25° で313'45 0° ※ 0° 光 24° 光46'24 0° Y 20° Y 05'12  22° Y 39'48 0° と 20° と 12'43 0° 用	0.37482 AU 2.68363 AU -1°02'37
retrograde opposition greatest brilliancy min. Earth dist. direct	13978 Mar 08 21:13 13978 Mar 28 16:15 13978 Apr 25 00:00 13978 Jun 14 23:40 13978 Aug 15 12:06 13978 Oct 02 14:00 13978 Nov 10 01:57 13978 Nov 11 01:14 13978 Nov 15 16:22 13978 Nov 15 17:06 13978 Dec 21 05:06 13979 Jan 27 23:32 13979 Mar 26 22:48 13979 Apr 12 20:07 13979 May 10 09:45 13979 Jun 19 16:05 13979 Jul 28 04:43 13979 Sep 04 10:21	0° ₩ 12° ₩ 50'13 0° ϒ 0° ϒ 0° Ν 110° Π 47'55 2° Π 09'00 1° Π 46'38 30° ℝ ϒ 29° ϒ 59'19 22° ϒ 12'09 0° Π 0° Φ 10° Φ 53'40 0° Ω 0° M 0° Φ 0° M	-1.5m	min. Earth dist. direct  desc. node  evening set  max. Earth dist.  conjunction  minimum elong	13983 Mar 03 19:30 13983 Mar 30 17:56 13983 May 24 05:17 13983 Jul 12 15:29 13983 Aug 26 13:12 13983 Oct 10 08:39 13983 Nov 17 18:24 13983 Nov 25 02:45 13984 Jan 10 21:07 13984 Feb 18 23:26 13984 Feb 27 05:52 13984 Mar 29 23:48 13984 Apr 03 02:19 13984 Apr 03 01:19 13984 Apr 14 14:27 13984 May 16 04:56 13984 May 31 08:59 13984 Jul 16 04:27	17° m25'18 13° m03'01 0° 으 0° m 0° ズ 0° で 25° で313'45 0° ※ 0° 光 24° 光46'24 0° Y 20° Y05'12 22° Y41'23 22° Y39'48 0° と 20° と12'43 0° に 0° に	0.37482 AU 2.68363 AU -1°02'37
retrograde opposition greatest brilliancy min. Earth dist. direct	13978 Mar 08 21:13 13978 Mar 28 16:15 13978 Apr 25 00:00 13978 Jun 14 23:40 13978 Aug 15 12:06 13978 Oct 02 14:00 13978 Nov 10 01:57 13978 Nov 11 01:14 13978 Nov 15 16:22 13978 Nov 15 17:06 13978 Dec 21 05:06 13979 Jan 27 23:32 13979 Mar 26 22:48 13979 Apr 12 20:07 13979 May 10 09:45 13979 Jun 19 16:05 13979 Jul 28 04:43 13979 Sep 04 10:21 13979 Oct 13 10:30	0° ₩ 12° ₩ 50'13 0° ❤ 0° ੴ 0° Ⅲ 10° Ⅲ 47'55 2° Ⅲ 09'00 1° Ⅲ 46'38 30° № ੴ 29° ੴ 59'19 22° ੴ 12'09 0° Ⅲ 0° © 10° © 53'40 0° ℳ 0° № 0° № 0° №	-1.5m	min. Earth dist. direct  desc. node  evening set  max. Earth dist.  conjunction  minimum elong	13983 Mar 03 19:30 13983 Mar 30 17:56 13983 May 24 05:17 13983 Jul 12 15:29 13983 Aug 26 13:12 13983 Oct 10 08:39 13983 Nov 17 18:24 13984 Jan 10 21:07 13984 Feb 18 23:26 13984 Feb 27 05:52 13984 Mar 29 23:48 13984 Apr 03 02:19 13984 Apr 03 01:19 13984 Apr 03 01:19 13984 Apr 14 14:27 13984 May 16 04:56 13984 May 31 08:59 13984 Jul 16 04:27 13984 Aug 29 20:52	17° m25'18 13° m03'01 0° Ω 0° m 0° № 0° № 25° ₹313'45 0° ≈ 0° ₩ 24° ₩46'24 0° Ψ 20° Ψ05'12 22° Ψ41'23 22° Ψ39'48 0° ੴ 20° ₹39'48 0° ₹ 0° ₹ 0° ₹ 0° ₹ 0° ₹ 0° ₹ 0° ₹	0.37482 AU 2.68363 AU -1°02'37
desc. node  retrograde opposition greatest brilliancy min. Earth dist. direct asc. node	13978 Mar 08 21:13 13978 Mar 28 16:15 13978 Apr 25 00:00 13978 Jun 14 23:40 13978 Aug 15 12:06 13978 Oct 02 14:00 13978 Nov 10 01:57 13978 Nov 11 01:14 13978 Nov 15 16:22 13978 Nov 15 17:06 13978 Dec 21 05:06 13979 Jan 27 23:32 13979 Mar 26 22:48 13979 Apr 12 20:07 13979 May 10 09:45 13979 Jun 19 16:05 13979 Jun 28 04:43 13979 Sep 04 10:21 13979 Oct 13 10:30 13979 Nov 22 23:43	0° ¥ 12° ¥ 50'13 0° Y 0° 8 0° II 10° II 47'55 2° II 09'00 1° II 46'38 30° R8 29° 8 59'19 22° 8 12'09 0° II 0° 53'40 0° Ω 0° II 0° Ω 0° II 0° Ω 0° II 0° Ω	-1.5m	min. Earth dist. direct  desc. node  evening set  max. Earth dist.  conjunction  minimum elong	13983 Mar 03 19:30 13983 Mar 30 17:56 13983 May 24 05:17 13983 Jul 12 15:29 13983 Aug 26 13:12 13983 Oct 10 08:39 13983 Nov 17 18:24 13983 Nov 25 02:45 13984 Jan 10 21:07 13984 Feb 18 23:26 13984 Feb 27 05:52 13984 Mar 29 23:48  13984 Apr 03 02:19 13984 Apr 03 01:19 13984 Apr 03 01:19 13984 Apr 14 14:27 13984 May 16 04:56 13984 May 31 08:59 13984 Jul 16 04:27 13984 Aug 29 20:52 13984 Oct 12 10:29	17° m25'18 13° m03'01 0° Ω 0° m 0° % 0° % 0° % 0° % 25° ₹13'45 0° % 24° ¥46'24 0° Y 20° Y05'12 22° Y41'23 22° Y39'48 0° 8 20° ₹12'43 0° ¶ 0° Ω 0° \$\mathred{\Omega}	0.37482 AU 2.68363 AU -1°02'37
retrograde opposition greatest brilliancy min. Earth dist. direct	13978 Mar 08 21:13 13978 Mar 28 16:15 13978 Apr 25 00:00 13978 Jun 14 23:40 13978 Aug 15 12:06 13978 Oct 02 14:00 13978 Nov 10 01:57 13978 Nov 11 01:14 13978 Nov 15 16:22 13978 Nov 15 17:06 13978 Dec 21 05:06 13979 Jun 27 23:32 13979 Mar 26 22:48 13979 Apr 12 20:07 13979 May 10 09:45 13979 Jun 19 16:05 13979 Jun 28 04:43 13979 Sep 04 10:21 13979 Oct 13 10:30 13979 Nov 22 23:43 13979 Nov 24 21:22	0° ¥ 12° ¥ 50'13 0° Y 0° ႘ 0° Ⅱ 10° Ⅲ 47'55 2° Ⅲ 09'00 1° Ⅲ 46'38 30° ℝ ႘ 29° ႘ 59'19 22° ႘ 12'09 0° Ⅲ 0° ⑤ 10° ⑤ 53'40 0° ℳ 0° ℳ 0° ℳ 0° ℳ	-1.5m	min. Earth dist. direct  desc. node  evening set  max. Earth dist.  conjunction  minimum elong  morning rise	13983 Mar 03 19:30 13983 Mar 30 17:56 13983 May 24 05:17 13983 Jul 12 15:29 13983 Aug 26 13:12 13983 Oct 10 08:39 13983 Nov 17 18:24 13983 Nov 25 02:45 13984 Jan 10 21:07 13984 Feb 18 23:26 13984 Feb 27 05:52 13984 Mar 29 23:48  13984 Apr 03 02:19 13984 Apr 03 01:19 13984 Apr 03 01:19 13984 Apr 14 14:27 13984 May 16 04:56 13984 May 31 08:59 13984 Jul 16 04:27 13984 Aug 29 20:52 13984 Oct 12 10:29 13984 Nov 24 06:11	17° m25'18 13° m03'01 0° Ω 0° m 0° ♂ 0° ♂ 0° ♂ 0° ♂ 0° ♂ 25° ♂ 13'45 0° ※ 0° ጕ 24° ጕ 46'24 0° ጕ 20° ጕ 05'12 22° ጕ 41'23 22° ጕ 39'48 0° ੴ 20° ♂ 12'43 0° ∏ 0° © 0° Ω 0° m 0° Ω	0.37482 AU 2.68363 AU -1°02'37
desc. node  retrograde opposition greatest brilliancy min. Earth dist. direct asc. node	13978 Mar 08 21:13 13978 Mar 28 16:15 13978 Apr 25 00:00 13978 Jun 14 23:40 13978 Aug 15 12:06 13978 Oct 02 14:00 13978 Nov 10 01:57 13978 Nov 11 01:14 13978 Nov 15 16:22 13978 Nov 15 17:06 13978 Dec 21 05:06 13979 Jan 27 23:32 13979 Mar 26 22:48 13979 Apr 12 20:07 13979 May 10 09:45 13979 Jun 19 16:05 13979 Jun 28 04:43 13979 Sep 04 10:21 13979 Oct 13 10:30 13979 Nov 22 23:43	0° ¥ 12° ¥ 50'13 0° Y 0° 8 0° II 10° II 47'55 2° II 09'00 1° II 46'38 30° R8 29° 8 59'19 22° 8 12'09 0° II 0° 53'40 0° Ω 0° II 0° Ω 0° II 0° Ω 0° II 0° Ω 0° II 0° Ω	-1.5m	min. Earth dist. direct  desc. node  evening set  max. Earth dist.  conjunction  minimum elong	13983 Mar 03 19:30 13983 Mar 30 17:56 13983 May 24 05:17 13983 Jul 12 15:29 13983 Aug 26 13:12 13983 Oct 10 08:39 13983 Nov 17 18:24 13983 Nov 25 02:45 13984 Jan 10 21:07 13984 Feb 18 23:26 13984 Feb 27 05:52 13984 Mar 29 23:48  13984 Apr 03 02:19 13984 Apr 03 01:19 13984 Apr 03 01:19 13984 Apr 14 14:27 13984 May 16 04:56 13984 May 31 08:59 13984 Jul 16 04:27 13984 Aug 29 20:52 13984 Oct 12 10:29	17° m25'18 13° m03'01 0° Ω 0° m 0° % 0° % 0° % 0° % 25° ₹13'45 0° % 24° ¥46'24 0° Y 20° Y05'12 22° Y41'23 22° Y39'48 0° 8 20° ₹12'43 0° ¶ 0° Ω 0° \$\mathred{\Omega}	0.37482 AU 2.68363 AU -1°02'37
desc. node  retrograde opposition greatest brilliancy min. Earth dist. direct asc. node	13978 Mar 08 21:13 13978 Mar 28 16:15 13978 Apr 25 00:00 13978 Jun 14 23:40 13978 Aug 15 12:06 13978 Oct 02 14:00 13978 Nov 10 01:57 13978 Nov 11 01:14 13978 Nov 15 16:22 13978 Nov 15 17:06 13978 Dec 21 05:06 13979 Jun 27 23:32 13979 Mar 26 22:48 13979 Apr 12 20:07 13979 May 10 09:45 13979 Jun 19 16:05 13979 Jun 28 04:43 13979 Sep 04 10:21 13979 Oct 13 10:30 13979 Nov 22 23:43 13979 Nov 24 21:22	0° ¥ 12° ¥ 50'13 0° Y 0° ႘ 0° Ⅱ 10° Ⅲ 47'55 2° Ⅲ 09'00 1° Ⅲ 46'38 30° ℝ ႘ 29° ႘ 59'19 22° ႘ 12'09 0° Ⅲ 0° ⑤ 10° ⑤ 53'40 0° ℳ 0° ℳ 0° ℳ 0° ℳ	-1.5m	min. Earth dist. direct  desc. node  evening set  max. Earth dist.  conjunction  minimum elong  morning rise	13983 Mar 03 19:30 13983 Mar 30 17:56 13983 May 24 05:17 13983 Jul 12 15:29 13983 Aug 26 13:12 13983 Oct 10 08:39 13983 Nov 17 18:24 13983 Nov 25 02:45 13984 Jan 10 21:07 13984 Feb 18 23:26 13984 Feb 27 05:52 13984 Mar 29 23:48  13984 Apr 03 02:19 13984 Apr 03 01:19 13984 Apr 03 01:19 13984 Apr 14 14:27 13984 May 16 04:56 13984 May 31 08:59 13984 Jul 16 04:27 13984 Aug 29 20:52 13984 Oct 12 10:29 13984 Nov 24 06:11 13984 Dec 03 15:20	17° m25'18 13° m03'01 0° Ω 0° m 0° % 0° % 0° % 25° で13'45 0° ※ 0° Y 20° Y 05'12  22° Y 41'23 22° Y 39'48 0° Y 20° Y 05'12  0° M 0° M 0° M 0° Ω 6° Ω 34'44	0.37482 AU 2.68363 AU -1°02'37
retrograde opposition greatest brilliancy min. Earth dist. direct asc. node	13978 Mar 08 21:13 13978 Mar 28 16:15 13978 Apr 25 00:00 13978 Jun 14 23:40 13978 Aug 15 12:06 13978 Oct 02 14:00 13978 Nov 10 01:57 13978 Nov 11 01:14 13978 Nov 15 16:22 13978 Nov 15 17:06 13978 Dec 21 05:06 13979 Jan 27 23:32 13979 Mar 26 22:48 13979 Apr 12 20:07 13979 May 10 09:45 13979 Jun 19 16:05 13979 Jun 28 04:43 13979 Sep 04 10:21 13979 Oct 13 10:30 13979 Nov 22 23:43 13979 Nov 24 21:22 13980 Jan 04 12:27	0° ₩ 12° ₩ 50'13 0° ❤ 0° ੴ 0° Ⅲ 10° Ⅲ 47'55 2° Ⅲ 09'00 1° Ⅲ 46'38 30° ₹ ੴ 29° ੴ 59'19 22° ੴ 12'09 0° Ⅲ 0° ဪ 0° ᠓ 0° ᠓ 0° ᠓ 0° ᠓ 0° ᠓ 0° ᠓ 0° № 0° № 0° № 1° ဪ 1° ™ 0° №	-1.5m 0.62263 AU	min. Earth dist. direct  desc. node  evening set  max. Earth dist.  conjunction  minimum elong  morning rise	13983 Mar 03 19:30 13983 Mar 30 17:56 13983 May 24 05:17 13983 Jul 12 15:29 13983 Aug 26 13:12 13983 Oct 10 08:39 13983 Nov 17 18:24 13983 Nov 25 02:45 13984 Jan 10 21:07 13984 Feb 18 23:26 13984 Feb 27 05:52 13984 Mar 29 23:48  13984 Apr 03 02:19 13984 Apr 03 01:19 13984 Apr 03 01:19 13984 Apr 14 14:27 13984 May 16 04:56 13984 May 31 08:59 13984 Jul 16 04:27 13984 Aug 29 20:52 13984 Oct 12 10:29 13984 Nov 24 06:11 13984 Dec 03 15:20 13985 Jan 06 14:39	17° m25'18 13° m03'01 0° Ω 0° m 0° % 0° % 0° % 25° ₹ 13'45 0° ≈ 0° ¥ 24° ¥ 46'24 0° Y 20° Y 05'12  22° Y 39'48 0° ¥ 20° ¥ 12'43 0° II 0° © 0° Ω 0° m 0° Ω 6° Ω 34'44 0° II.	0.37482 AU 2.68363 AU -1°02'37
retrograde opposition greatest brilliancy min. Earth dist. direct asc. node	13978 Mar 08 21:13 13978 Mar 28 16:15 13978 Apr 25 00:00 13978 Jun 14 23:40 13978 Aug 15 12:06 13978 Oct 02 14:00 13978 Nov 10 01:57 13978 Nov 11 01:14 13978 Nov 15 16:22 13978 Nov 15 17:06 13978 Dec 21 05:06 13979 Jan 27 23:32 13979 Mar 26 22:48 13979 Apr 12 20:07 13979 May 10 09:45 13979 Jun 19 16:05 13979 Jun 28 04:43 13979 Sep 04 10:21 13979 Oct 13 10:30 13979 Nov 22 23:43 13979 Nov 24 21:22 13980 Jan 04 12:27	0° ₩ 12° ₩ 50'13 0° ❤ 0° ੴ 0° Ⅲ 10° Ⅲ 47'55 2° Ⅲ 09'00 1° Ⅲ 46'38 30° ₹ ੴ 29° ੴ 59'19 22° ੴ 12'09 0° Ⅲ 0° ဪ 0° ᠓ 0° ᠓ 0° ᠓ 0° ᠓ 0° ᠓ 0° ᠓ 0° № 10° ဪ 10° ဪ 10° ဪ 10° ဪ 10° ဪ	-1.5m 0.62263 AU 0°14'27	min. Earth dist. direct  desc. node  evening set  max. Earth dist.  conjunction  minimum elong  morning rise	13983 Mar 03 19:30 13983 Mar 30 17:56 13983 May 24 05:17 13983 Jul 12 15:29 13983 Aug 26 13:12 13983 Oct 10 08:39 13983 Nov 17 18:24 13983 Nov 25 02:45 13984 Jan 10 21:07 13984 Feb 18 23:26 13984 Feb 27 05:52 13984 Mar 29 23:48  13984 Apr 03 02:19 13984 Apr 03 01:19 13984 Apr 03 01:19 13984 Apr 03 01:19 13984 Apr 14 14:27 13984 May 16 04:56 13984 May 31 08:59 13984 Jul 16 04:27 13984 Aug 29 20:52 13984 Oct 12 10:29 13984 Nov 24 06:11 13984 Dec 03 15:20 13985 Jan 06 14:39 13985 Feb 24 18:09	17° m25'18 13° m03'01 0° Ω 0° m 0° % 0° % 0° % 25° ₹ 13'45 0° ≈ 0° ¥ 24° ¥ 46'24 0° ↑ 20° ↑ 705'12  22° ↑ 39'48 0° ₺ 20° ₺ 12'43 0° Ⅱ 0° № 0° Ω 0° m 0° Ω 6° Ω 34'44 0° m 0° %	0.37482 AU 2.68363 AU -1°02'37
retrograde opposition greatest brilliancy min. Earth dist. direct asc. node evening set conjunction minimum elong	13978 Mar 08 21:13 13978 Mar 28 16:15 13978 Apr 25 00:00 13978 Jun 14 23:40 13978 Aug 15 12:06 13978 Oct 02 14:00 13978 Nov 10 01:57 13978 Nov 11 01:14 13978 Nov 15 16:22 13978 Nov 15 17:06 13978 Dec 21 05:06 13979 Jan 27 23:32 13979 Mar 26 22:48 13979 Apr 12 20:07 13979 May 10 09:45 13979 Jun 19 16:05 13979 Jun 19 16:05 13979 Jul 28 04:43 13979 Sep 04 10:21 13979 Oct 13 10:30 13979 Nov 24 21:22 13980 Jan 19 05:54 13980 Jan 19 05:54 13980 Jan 19 05:57 13980 Jan 19 00:57	0° ¥ 12° ¥ 50'13 0° Y 0° 8 0° II 10° II 47'55 2° II 09'00 1° II 46'38 30° R 8 29° 8 59'19 22° 8 12'09 0° II 0° 553'40 0° I 0°	-1.5m 0.62263 AU 0°14'27	min. Earth dist. direct  desc. node  evening set  max. Earth dist.  conjunction  minimum elong  morning rise  asc. node  retrograde  min. Earth dist.  greatest brilliancy	13983 Mar 03 19:30 13983 Mar 30 17:56 13983 May 24 05:17 13983 Jul 12 15:29 13983 Aug 26 13:12 13983 Oct 10 08:39 13983 Nov 17 18:24 13983 Nov 25 02:45 13984 Jan 10 21:07 13984 Feb 18 23:26 13984 Feb 27 05:52 13984 Mar 29 23:48  13984 Apr 03 01:19 13984 Apr 03 01:19 13984 Apr 14 14:27 13984 May 16 04:56 13984 May 31 08:59 13984 Jul 16 04:27 13984 Aug 29 20:52 13984 Oct 12 10:29 13984 Nov 24 06:11 13984 Dec 03 15:20 13985 Jan 06 14:39 13985 Feb 24 18:09 13985 Apr 14 20:12 13985 May 10 23:18 13985 May 17 04:22	17° m25'18 13° m03'01 0° 血 0° m. 0° ズ 0° 云 25° 云13'45 0° ※ 0° 升 24° 升46'24 0° Y 20° Y05'12  22° Y41'23 22° Y39'48 0° と 20° と12'43 0° 用 0° の 0° の 0° の 0° の 0° の 14° ズ36'41 10° ズ00'42 8° ズ02'09	0.37482 AU 2.68363 AU -1°02'37 1°02'55
retrograde opposition greatest brilliancy min. Earth dist. direct asc. node evening set conjunction minimum elong behind sun begin	13978 Mar 08 21:13 13978 Mar 28 16:15 13978 Apr 25 00:00 13978 Jun 14 23:40 13978 Aug 15 12:06 13978 Oct 02 14:00 13978 Nov 10 01:57 13978 Nov 11 01:14 13978 Nov 15 16:22 13978 Nov 15 17:06 13978 Dec 21 05:06 13979 Jan 27 23:32 13979 Mar 26 22:48 13979 Apr 12 20:07 13979 May 10 09:45 13979 Jun 19 16:05 13979 Jul 28 04:43 13979 Sep 04 10:21 13979 Oct 13 10:30 13979 Nov 24 21:22 13980 Jan 04 12:27  13980 Jan 19 05:54 13980 Jan 19 05:54 13980 Jan 19 06:37 13980 Jan 19 00:57	0° ¥ 12° ¥50'13 0° Y 0° 8 0° II 10° II 47'55 2° II 09'00 1° II 46'38 30° R8 29° 859'19 22° 812'09 0° II 0° 553'40 0° Ω 0° II 0° 553'40 0° Ω 0° II 0° 553'40 0° Ω 10° 552'23 0° 55'08	-1.5m 0.62263 AU 0°14'27	min. Earth dist. direct  desc. node  evening set  max. Earth dist.  conjunction  minimum elong  morning rise  asc. node  retrograde  min. Earth dist.	13983 Mar 03 19:30 13983 Mar 30 17:56 13983 May 24 05:17 13983 Jul 12 15:29 13983 Aug 26 13:12 13983 Oct 10 08:39 13983 Nov 17 18:24 13983 Nov 25 02:45 13984 Jan 10 21:07 13984 Feb 18 23:26 13984 Feb 27 05:52 13984 Mar 29 23:48  13984 Apr 03 02:19 13984 Apr 03 01:19 13984 Apr 03 01:19 13984 Apr 14 14:27 13984 May 16 04:56 13984 May 31 08:59 13984 Jul 16 04:27 13984 Aug 29 20:52 13984 Oct 12 10:29 13984 Nov 24 06:11 13984 Dec 03 15:20 13985 Jan 06 14:39 13985 Feb 24 18:09 13985 May 10 23:18	17° m25'18 13° m03'01 0° 血 0° m. 0° ズ 0° で 25° で13'45 0° ※ 0° 升 24° 升46'24 0° 介 20° 介05'12  22° 介41'23 22° 介39'48 0° と 20° と12'43 0° 川 0° の 0° の 0° の 0° の 14° ズ36'41 10° ズ 00'42	2.68363 AU -1°02'37 1°02'55

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	13985 Sep 08 12:59	0°ಕ		minimum elong	13990 Aug 11 19:34	2° mp 31'10	0°11'42
desc. node	13985 Oct 05 02:34	0 <b>3</b> 14° <b>る</b> 39'58		behind sun begin	13990 Aug 11 00:17	1° <b>m</b> <sub>2</sub> 53'53	0 11 12
desc. Hode	13985 Oct 31 13:25	0°≈		behind sun end	-	3°M)08'28	
				bennia sun ena	13990 Aug 12 14:50		
	13985 Dec 20 16:32	0° <b>\</b>			13990 Sep 15 21:55	0° <b>⊽</b>	
	13986 Feb 07 16:30	0° <b>Υ</b>		morning rise	13990 Oct 22 05:02	28° <b>≏</b> 43'36	
evening set	13986 Mar 25 05:43	28° <b>Ƴ</b> 30'45			13990 Oct 23 19:42	0° <b>M</b> ₊	
	13986 Mar 27 13:57	$9^{\circ}$ 8			13990 Dec 01 03:51	0° <b>∡</b> ¹	
max. Earth dist.	13986 Apr 21 20:46	16° <b>8</b> 11'58	2.64512 AU		13991 Jan 09 19:55	0°ರ	
					13991 Feb 20 18:10	0° <b>≈</b>	
conjunction	13986 May 08 10:39	26° <b>8</b> 59'18	-1°11'02		13991 Apr 07 03:09	0° <b>∀</b>	
minimum elong	13986 May 08 10:51	26° <b>8</b> 59'38	1°11'52	desc. node	13991 May 28 20:41	29° <b>¥</b> 54'56	
	13986 May 13 00:49	0°II			13991 May 29 00:37	0° <b>Υ</b>	
morning rise	13986 Jun 22 22:32	27° <b>II</b> 22'46		retrograde	13991 Aug 13 15:47	24° <b>Υ</b> 29'17	
morning rise	13986 Jun 26 18:36	0°95		opposition	13991 Sep 23 06:52	14° <b>Υ</b> 47'07	2944!10
		0° <b>U</b>				14 <b>γ</b> 47 07 14° <b>γ</b> 47'48	
	13986 Aug 08 17:28			greatest brilliancy	13991 Sep 23 06:11		
	13986 Sep 19 00:11	0° <b>m</b> )		min. Earth dist.	13991 Sep 23 12:43	14° <b>Υ</b> 41'20	0.68573 AU
asc. node	13986 Oct 21 08:49	24° Mp 14'10		direct	13991 Nov 03 12:13	4° <b>Y</b> 55'56	
	13986 Oct 28 23:15	0∘ <b>⊽</b>			13992 Jan 21 12:31	$0^{\circ}$ 8	
	13986 Dec 07 06:47	0° <b>M</b>			13992 Mar 13 22:47	$\Pi$ °0	
	13987 Jan 16 01:52	0° <b>∡</b> ¹			13992 Apr 28 11:57	0°ಅ	
	13987 Feb 27 10:58	0°ರ			13992 Jun 09 07:36	$0^{\circ}\Omega$	
	13987 Apr 20 06:23	0° <b>≈</b>		asc. node	13992 Jun 11 05:41	1° <b>Ω</b> 25'34	
retrograde	13987 Jun 03 20:24	11° <b>≈</b> 33'45			13992 Jul 18 18:20	0° <b>m</b> )	
min. Earth dist.	13987 Jul 05 15:46	4° <b>≈</b> 42'25	0.55059 AU	evening set	13992 Aug 15 18:09	21° m/ 57'48	
opposition	13987 Jul 12 17:50	1° <b>≈</b> 59'19		8	13992 Aug 25 21:35	0∘ <del>⊽</del>	
greatest brilliancy	13987 Jul 12 06:26	2°≈10'16			13992 Oct 02 16:54	o° <b>m</b> .	
greatest offinality	13987 Jul 12 00:20 13987 Jul 18 01:13	2 ≈10 10 30°Rる	-1.9111		13992 Oct 02 10.34	O IIG	
T' 4					12002 0 4 27 10 01	100 <b>M</b> 40101	1007122
direct	13987 Aug 17 19:57	23°る57'20		conjunction	13992 Oct 27 18:01	19°M40'01	1°06'32
desc. node	13987 Aug 23 12:44	24°る09'24		minimum elong	13992 Oct 27 17:29	19° <b>M</b> ₊38'57	1°07'16
	13987 Sep 20 19:42	0° <b>≈</b>			13992 Nov 10 02:16	0° <b>∡</b> ¹	
	13987 Nov 26 08:20	0° <b>∀</b>			13992 Dec 19 21:14	0°ಕ	
	13988 Jan 18 13:53	$0^{\circ}\mathbf{\Upsilon}$		max. Earth dist.	13992 Dec 20 04:14	0° <b>る</b> 12'53	2.41574 AU
	13988 Mar 08 00:07	$9^{\circ}$ 8		morning rise	13993 Jan 03 07:53	10° <b>る</b> 32'28	
	13988 Apr 23 17:57	$\Pi$ $\circ 0$			13993 Jan 30 17:38	0° <b>≈</b>	
evening set	13988 Apr 30 02:08	4° <b>Ⅱ</b> 11'49			13993 Mar 16 03:43	0° <b>∀</b>	
max. Earth dist.	13988 May 17 12:57	15° <b>Ⅱ</b> 54'46	2.55374 AU	desc. node	13993 Apr 14 11:13	18° <b>)</b> 43′45	
	13988 Jun 07 01:13	$0$ $\circ$ $\odot$			13993 May 02 20:19	$0^{\circ}$ Y	
					13993 Jun 25 03:54	0°B	
conjunction	13988 Jun 17 04:09	7° <b>5</b> 04'50	-0°49'17	retrograde	13993 Sep 17 05:33	27° <b>8</b> 20'12	
minimum elong	13988 Jun 17 05:53	7°907'53		opposition	13993 Oct 26 14:40	18° <b>8</b> 18'29	-4°51'25
minimum clong	13988 Jul 19 03:10	0°Ω	0 30 20	greatest brilliancy	13993 Oct 27 06:39	18° <b>8</b> 02'57	
						_	
morning rise	13988 Aug 09 23:06	16° <b>Ω</b> 08'08		min. Earth dist.	13993 Oct 30 17:49	16° <b>8</b> 42'04	0.65364 AU
_	13988 Aug 28 08:23	0° <b>m</b> )		direct	13993 Dec 07 02:43	8° <b>8</b> 16'02	
asc. node	13988 Sep 06 20:23	7° mp 15'11			13994 Feb 14 16:31	0°II	
	13988 Oct 06 05:56	0∘ <b>ಹ</b>			13994 Apr 06 03:24	$0$ $\circ$ $\odot$	
	13988 Nov 13 13:19	0° <b>M</b>		asc. node	13994 Apr 29 08:26	15° <b>©</b> 45'56	
	13988 Dec 22 04:11	0° <b>∡</b> ¹			13994 May 19 05:52	$0 {\circ} \Omega$	
	13989 Jan 31 05:39	0°ප			13994 Jun 28 01:34	0° <b>m</b> )	
	13989 Mar 15 08:34	0°≈			13994 Aug 05 08:43	0∘ <b>ত</b>	
	13989 May 04 11:57	0° <b>∀</b>			13994 Sep 12 09:16	0° <b>M</b> .	
retrograde	13989 Jul 10 13:24	21° <b>∺</b> 06'31			13994 Oct 21 03:13	0° <b>⊼</b> ¹	
desc. node	13989 Jul 10 20:13	21° <b>₭</b> 06'29		evening set	13994 Oct 31 12:56	7° <b>∡</b> 753'04	
min. Earth dist.	13989 Aug 16 13:31		0.64993 AU		13994 Nov 30 09:08	0°ਰ	
opposition	13989 Aug 20 03:17	11° <b>X</b> 06'30			13/741101 30 07.00	٠ ٠	
11	-	11° <del>X</del> 12'11		agniumation	12004 Dec. 21, 06:07	22° <b>る</b> 04'32	0924120
greatest brilliancy	13989 Aug 19 21:33		-1.4111	conjunction	13994 Dec 31 06:07		
direct	13989 Sep 28 13:51	1° <b>¥</b> 52'56		minimum elong	13994 Dec 31 07:55	22° <b>る</b> 07'42	0°35'29
	13989 Dec 23 21:23	0° <b>Υ</b>			13995 Jan 11 14:59	0° <b>≈</b>	
	13990 Feb 15 18:42	0°8		max. Earth dist.	13995 Feb 02 01:21	14° <b>≈</b> 39'31	2.55292 AU
	13990 Apr 04 19:20	$\Pi$ °0		morning rise	13995 Feb 21 18:22	27°≈49'56	
	13990 May 19 05:30	0ಂಣ			13995 Feb 25 01:11	0° <b>∀</b>	
evening set	13990 Jun 13 18:11	18° <b>©</b> 10'09		desc. node	13995 Mar 01 21:55	3° <b>∺</b> 11'49	
max. Earth dist.	13990 Jun 28 23:57	29°519'20	2.42111 AU		13995 Apr 12 15:56	$0$ ° $\Upsilon$	
	13990 Jun 29 21:57	$0^{\circ}\Omega$			13995 May 31 15:47	$0^{\circ}B$	
asc. node	13990 Jul 25 09:30	19° <b>Ω</b> 08'24			13995 Jul 23 11:56	$\Pi^{\circ}0$	
	13990 Aug 08 13:21	0° <b>m</b> )			13995 Sep 29 20:28	0°ഇ	
	÷	•		retrograde	13995 Oct 29 23:13	4°5643'30	
conjunction	13990 Aug 11 20:36	2° m/33'10	0°12'18	Č	13995 Nov 26 13:54	30°RⅡ	
	27722100 11 20.50	= .,, 55 10			2,,22.10, <b>2</b> 0 15.57		

opposition greatest brilliancy min. Earth dist.	13995 Dec 05 12:09 13995 Dec 06 19:14 13995 Dec 13 04:42	26°Д52'00 26°Д23'10 24°Д01'20		evening set	14001 Feb 14 16:15 14001 Mar 11 14:45 14001 Apr 03 06:53	0°Υ 15°Υ38'47 0°႘	
direct	13996 Jan 14 06:02 13996 Mar 01 22:45	17° <b>II</b> 24'31 0°ഇ		max. Earth dist.	14001 Apr 12 16:50	6° <b>8</b> 00'26	2.66666 AU
asc. node	13996 Mar 16 17:26	7° <b>5</b> 28'23		conjunction	14001 Apr 24 10:06	13° <b>8</b> 31'35	
	13996 Apr 22 11:27	0° <b>N</b>		minimum elong	14001 Apr 24 09:44	13° <b>8</b> 31'00	1°11'29
	13996 Jun 03 13:53 13996 Jul 12 22:39	0 <b>்⊽</b> 0 <b>்™</b>		morning rise	14001 May 19 19:17	0°Ⅱ 12°Ⅱ18'33	
	13996 Jul 12 22.39 13996 Aug 20 18:54	0°ML		morning rise	14001 Jun 07 11:42 14001 Jul 03 21:14	0°9	
	13996 Sep 29 09:15	0° <b>×</b> 7			14001 Aug 16 09:06	0°N	
	13996 Nov 09 12:42	0°ರ			14001 Sep 27 08:06	0° mp	
	13996 Dec 22 14:23	0° <b>≈</b>		asc. node	14001 Nov 07 03:04	0° <b>ჲ</b> 03'37	
evening set	13996 Dec 25 08:58	1° <b>≈</b> 53'14			14001 Nov 07 01:07	0∘ <b>ত</b>	
desc. node	13997 Jan 16 11:00	16°≈43'55			14001 Dec 17 05:14	0° <b>M</b>	
	13997 Feb 05 13:22	0° <b>ℋ</b>			14002 Jan 27 07:30	0° <b>∡</b> ¹	
conjunction	13997 Feb 13 00:29	4° <b>¥</b> 52′22	0015138	retrograde	14002 Mar 14 04:06 14002 May 17 13:30	0°る 22°る32'14	
minimum elong	13997 Feb 13 00.29 13997 Feb 12 23:55	4° <b>H</b> 51'27		min. Earth dist.	14002 May 17 13.30 14002 Jun 15 22:44	22 <b>3</b> 32 14 16° <b>る</b> 33'23	0.49800 AU
behind sun begin	13997 Feb 12 17:39	4° <b>)</b> (3127	0 13 03	greatest brilliancy	14002 Jun 23 00:51	13° <b>る</b> 57'25	-2.2m
behind sun end	13997 Feb 13 06:10	5° <b>)</b> €01'38		opposition	14002 Jun 24 00:56	13° <b>ප</b> 35'11	3°36'25
max. Earth dist.	13997 Feb 27 18:40	14° <b>)</b> € 26′20	2.64571 AU	direct	14002 Jul 28 08:18	6° <b>ප</b> 16'23	
	13997 Mar 24 01:45	$0^{\circ}$ $\Upsilon$		desc. node	14002 Sep 08 23:16	15° <b>る</b> 32'20	
morning rise	13997 Mar 30 13:36	4° <b>Ƴ</b> 07'36			14002 Oct 11 15:36	0° <b>≈</b>	
	13997 May 10 17:23	$0^{\circ}$ 8			14002 Dec 06 08:06	0° <b>∀</b>	
	13997 Jun 28 07:51	0°II			14003 Jan 26 08:33	0° <b>Ƴ</b>	
	13997 Aug 17 08:41	0ංව ව			14003 Mar 16 00:36	0°8	
	13997 Oct 10 07:11	0° <b>Ω</b>		evening set	14003 Apr 16 05:43	19° <b>႘</b> 57'21 0° <b>Ⅱ</b>	
retrograde opposition	13997 Dec 28 10:03 13998 Jan 29 02:29	26° <b>Ω</b> 01'19 20° <b>Ω</b> 13'30	0°16'34	max. Earth dist.	14003 May 01 14:12 14003 May 07 09:52		2.59547 AU
greatest brilliancy	13998 Jan 29 05:09	20° <b>Ω</b> 11'27		max. Earth dist.	14003 Way 07 09.32	3 щ3032	2.39347 AU
asc. node	13998 Feb 02 03:37	18° <b>Ω</b> 58'16	2.7111	conjunction	14003 Jun 01 05:20	20° <b>Ⅱ</b> 31'27	-1°02'03
min. Earth dist.	13998 Feb 05 21:28	17° <b>Ω</b> 49'46	0.41514 AU	minimum elong	14003 Jun 01 06:34	20° <b>Ⅲ</b> 33'34	
direct	13998 Mar 04 06:52	13° <b>Ω</b> 18′13		Č	14003 Jun 15 00:41	0ಂತ	
	13998 Apr 26 16:21	0° <b>m</b>		morning rise	14003 Jul 20 17:56	25°511'50	
	13998 Jun 13 12:02	0∘ <b>⊽</b>			14003 Jul 27 09:38	$0$ $^{\circ}\Omega$	
	13998 Jul 25 23:53	0°M₊			14003 Sep 05 23:20	0° <b>m</b>	
	13998 Sep 06 02:16	0° <b>∡</b>		asc. node	14003 Sep 24 17:08	14° m 14'00	
	13998 Oct 19 05:45	5°0			14003 Oct 15 04:49	0∘ <b>⊽</b>	
desc. node	13998 Dec 02 21:38 13998 Dec 04 06:34	0° <b>≈</b> 0° <b>≈</b> 54'22			14003 Nov 22 18:53 14003 Dec 31 16:18	0° <b>™</b> 0° <i>⊼</i> ¹	
desc. node	13999 Jan 17 23:14	0 ≈3422 0° <b>H</b>			14004 Feb 10 04:41	0°る	
evening set	13999 Feb 04 17:38	11° <b>)</b> 23'18			14004 Mar 25 15:49	0°≈	
evening sec	13999 Mar 05 23:22	0°Υ			14004 May 22 14:43	0° <b>)</b> €	
				retrograde	14004 Jun 26 15:21	7° <b>)</b> €03'56	
conjunction	13999 Mar 21 15:45	9° <b>Ƴ</b> 56'44	-0°53'09	desc. node	14004 Jul 27 08:23	0° <b>)</b> 47′02	
minimum elong	13999 Mar 21 14:35	9° <b>Ƴ</b> 54'52			14004 Jul 29 10:15	30°R <b>≈</b>	
max. Earth dist.	13999 Mar 22 15:10		2.68381 AU	min. Earth dist.	14004 Jul 31 19:08	29° <b>≈</b> 04'54	
	13999 Apr 22 06:57	0°8		opposition	14004 Aug 05 19:35	27°≈06'01	
morning rise	13999 May 03 19:04	7° <b>႘</b> 18′28 0° <b>Ⅱ</b>		greatest brilliancy	14004 Aug 05 17:39		-1.6m
	13999 Jun 08 08:48 13999 Jul 24 21:23	0°©		direct	14004 Sep 13 03:33 14004 Nov 02 14:06	18°≈15'21 0° <b>)</b> €	
	13999 Sep 08 18:42	0°Ω			14005 Jan 03 02:40	0° <b>Υ</b>	
	13999 Oct 24 05:36	0° <b>m</b> )			14005 Feb 23 15:09	0°8	
	13999 Dec 09 05:23	0∘ <u>⊽</u>			14005 Apr 12 00:12	0°II	
asc. node	13999 Dec 21 07:46	7° <b>≙</b> 36'57		evening set	14005 May 25 20:11	29° <b>Ⅲ</b> 39'13	
	14000 Jan 29 15:13	$0^{\circ}$ M			14005 May 26 08:06	0ං <b>ව</b>	
retrograde	14000 Mar 19 07:37	14°M19'39		max. Earth dist.	14005 Jun 08 13:53		2.47613 AU
min. Earth dist.	14000 Apr 14 15:59	10°M02'34	0.37449 AU		14005 Jul 07 03:36	$0$ $^{\circ}$ $\Omega$	
greatest brilliancy	14000 Apr 18 05:04	9°M03'07	-2.9m		14005 1 1 10 10 22	00 00000	0017110
opposition	14000 Apr 19 07:34	8°M44'29	6°51'53	conjunction	14005 Jul 18 10:33	8° <b>Ω</b> 22'13	
direct	14000 May 18 15:53 14000 Aug 01 22:22	3° <b>M</b> .44'50 0° <b>⋌</b> '		minimum elong asc. node	14005 Jul 18 11:42 14005 Aug 11 05:12	8°Ω24'20 26°Ω20'20	U 1/11
	14000 Aug 01 22.22 14000 Sep 22 07:10	0°る		use. Houe	14005 Aug 11 03.12 14005 Aug 15 23:53	0° <b>m</b> )	
desc. node	14000 Sep 22 07:10 14000 Oct 21 11:46	17° <b>る</b> 53'48		morning rise	14005 Rag 15 25:55	27° <b>m</b> ) 32'27	
	14000 Nov 10 01:50	0° <b>≈</b>		Ç	14005 Sep 23 12:46	0∘ <del>⊽</del>	
	14000 Dec 28 11:22	0° <b>ℋ</b>		greatest brilliancy	14005 Oct 17 23:13	19° <b>≙</b> 16′33	1.2m

	14005 Oct 31 13:16	0°M		min. Earth dist.	14010 Nov 25 05:32	8° <b>Ⅱ</b> 33'35	0.60128 AU
	14005 Dec 08 22:32	0° <b>∡</b>		direct	14010 Dec 29 14:12	1° <b>Ⅱ</b> 09'35	
	14006 Jan 17 15:34	0°る			14011 Mar 19 09:09	0°9	
	14006 Feb 28 19:02	0° <b>≈</b>		asc. node	14011 Apr 03 06:21	9° <b>5</b> 06'40	
	14006 Apr 16 02:44	0° <b>∀</b> 0° <b>Υ</b>			14011 May 04 08:26	0° <b>N</b>	
desc. node	14006 Jun 12 00:34 14006 Jun 14 11:17	1° <b>Υ</b> 00'59			14011 Jun 14 02:36 14011 Jul 22 20:40	0 <b>்⊽</b> 0 <b>்மி</b>	
retrograde	14006 Jul 31 11:24	12° <b>Υ</b> 01'16			14011 Jul 22 20:40 14011 Aug 30 06:00	0° <b>™</b>	
min. Earth dist.	14006 Sep 08 23:24		0.67974 AU		14011 Oct 08 09:43	0° <b>∡</b> 7	
opposition	14006 Sep 10 05:48	2°Υ′08'58			14011 Nov 18 02:21	ලංප ව°0	
greatest brilliancy	14006 Sep 10 01:10	2° <b>Y</b> 13'33	-1.3m	evening set	14011 Dec 07 01:46	13° <b>る</b> 31'21	
	14006 Sep 15 17:19	30° <b>₹</b> ₩			14011 Dec 30 18:10	0° <b>≈</b>	
direct	14006 Oct 20 22:45	22° <b>)</b> €29′24					
	14006 Nov 29 01:37	0° <b>Υ</b>		conjunction	14012 Jan 29 01:44	19° <b>≈</b> 49'52	0°03'00
	14007 Feb 01 02:40	0°B		minimum elong	14012 Jan 29 01:53	19° <b>≈</b> 50'07	0°03'45
	14007 Mar 23 03:08	0° <b>Ⅱ</b>		behind sun begin	14012 Jan 28 05:32	19°≈16'12	
	14007 May 07 02:01 14007 Jun 17 18:56	$0$ ಂ ${f U}$		behind sun end	14012 Jan 29 22:14	20°≈24'00	
asc. node	14007 Jun 17 18:56 14007 Jun 28 21:25	8° <b>Ω</b> 17'43		desc. node	14012 Feb 03 03:38 14012 Feb 13 10:17	23°≈12'35 0° <b>米</b>	
evening set	14007 Jul 19 15:46	24°Ω06'30		max. Earth dist.	14012 Feb 19 04:32	3° <b>)</b> 46'46	2.61565 AU
evening sec	14007 Jul 27 06:46	0° m)		morning rise	14012 Mar 16 15:14	20° <b>)</b> 54′24	2.01303710
	14007 Sep 03 11:26	0∘ <u>v</u>		5 5	14012 Mar 30 21:21	0° <b>Υ</b>	
	•				14012 May 17 21:10	0°B	
conjunction	14007 Sep 27 06:20	18° <b>≏</b> 52'52	0°55'29		14012 Jul 06 13:59	$\Pi$ °0	
minimum elong	14007 Sep 27 02:27	18° <b>≏</b> 45'09	0°55'41		14012 Aug 28 14:52	$0$ $\circ$	
	14007 Oct 11 07:00	$0^{\circ}$ M			14012 Nov 06 04:59	$0$ $^{\circ}$ $\Omega$	
max. Earth dist.	14007 Oct 31 01:11	15° <b>™</b> 33'25	2.36574 AU	retrograde	14012 Dec 01 14:39	3° <b>Ω</b> 33'54	
	14007 Nov 18 15:01	0° <b>₹</b>			14012 Dec 25 14:10	30°R≌	2025120
morning rise	14007 Dec 09 17:10	16° <b>≯</b> 06'25		opposition	14013 Jan 04 12:11	26°950'25	
	14007 Dec 28 07:30 14008 Feb 08 02:20	% ⊗°0 š0		greatest brilliancy min. Earth dist.	14013 Jan 05 11:40 14013 Jan 13 06:21	26°©30'22 23°©52'16	-2.3m 0.47011 AU
	14008 Mar 23 16:33	0 <b>∞</b> 0° <b>∺</b>		direct	14013 Jan 13 00.21 14013 Feb 10 11:21	18°936'03	0.47011 AU
desc. node	14008 May 01 06:06	24° <b>)</b> €03'40		asc. node	14013 Feb 18 15:19	19° <b>©</b> 03'54	
	14008 May 11 07:41	0° <b>Υ</b>			14013 Mar 25 23:52	0°N	
	14008 Jul 08 03:42	0°8			14013 May 15 13:57	0° <b>m</b> )	
retrograde	14008 Sep 02 21:34	14° <b>8</b> 31'00			14013 Jun 26 11:47	0∘ <b>⊽</b>	
opposition	14008 Oct 12 22:18	5° <b>8</b> 10'30	-4°33'27		14013 Aug 05 18:14	$0^{\circ}$ M	
greatest brilliancy	14008 Oct 13 06:59	5° <b>8</b> 01'59			14013 Sep 15 11:16	0° <b>∡</b> ¹	
min. Earth dist.	14008 Oct 15 12:42	<u> </u>	0.67454 AU		14013 Oct 27 13:48	0°ප	
T' ·	14008 Oct 26 18:35	30°₹ <b>Υ</b>		1 1	14013 Dec 10 10:40	0° <b>≈</b>	
direct	14008 Nov 23 12:21 14008 Dec 23 15:17	25° <b>Y</b> 08'45 0° <b>と</b>		desc. node	14013 Dec 20 21:35 14014 Jan 20 14:58	6°≈58'47 27°≈10'40	
	14008 Dec 23 15:17 14009 Feb 26 12:10	0°U		evening set	14014 Jan 20 14:58 14014 Jan 24 23:11	2/°≈1040 0° <b>∺</b>	
	14009 Apr 15 02:51	0ಂ <b>ತಾ</b>			14014 Juli 24 25.11	0 /	
asc. node	14009 May 15 22:55	21° <b>©</b> 34'33		conjunction	14014 Mar 07 21:32	26° <b>¥</b> 56'32	-0°40'43
	14009 May 27 12:01	$0^{\circ}\Omega$		minimum elong	14014 Mar 07 20:24	26° <b>)</b> 54'44	0°40'32
	14009 Jul 06 02:05	0° m)			14014 Mar 12 16:46	$0^{\circ}$ Y	
greatest brilliancy	14009 Aug 04 08:46	22° <b>m</b> 57'30	1.2m	max. Earth dist.	14014 Mar 14 01:52	0° <b>Y</b> 52'40	2.67538 AU
	14009 Aug 13 06:13	0∘ <b>⊽</b>		morning rise	14014 Apr 20 13:54	24° <b>Ƴ</b> 38'41	
	14009 Sep 20 03:23	0°M			14014 Apr 29 01:21	0∘ <b>R</b>	
evening set	14009 Oct 03 04:31	10°M14'40			14014 Jun 15 13:44	0°II	
	14009 Oct 28 16:43 14009 Dec 07 17:00	0°る			14014 Aug 02 01:43 14014 Sep 18 18:26	$0$ ಂ $\Omega$	
	14009 Dec 07 17.00	0.0			14014 Sep 18 18:20 14014 Nov 06 17:30	0° <b>m</b> )	
conjunction	14009 Dec 09 06:54	1° <b>る</b> 09'22	0°52'50		14015 Jan 01 18:23	0∘ <b>⊽</b>	
minimum elong	14009 Dec 09 09:24	1°る13'56	0°53'53	asc. node	14015 Jan 06 22:19	ა — 2° <b>ჲ</b> 11'27	
Č	14010 Jan 18 17:37	0° <b>≈</b>		retrograde	14015 Feb 16 17:05	11° <b>≏</b> 34'42	
max. Earth dist.	14010 Jan 19 21:29	0° <b>≈</b> 48′23	2.50325 AU	opposition	14015 Mar 18 04:34	6° <b>≙</b> 43'04	5°02'18
morning rise	14010 Feb 04 14:19	11° <b>≈</b> 36′12		greatest brilliancy	14015 Mar 18 05:47	6° <b>≏</b> 42'15	-3.0m
	14010 Mar 04 01:37	0° <b>∀</b>		min. Earth dist.	14015 Mar 19 02:36	6° <b>£</b> 28'30	0.36466 AU
desc. node	14010 Mar 18 17:04	9° <b>)</b> €33'36		direct	14015 Apr 16 16:48	1° <b>≏</b> 45'27	
	14010 Apr 19 22:01	0° <b>Υ</b>			14015 Jul 01 16:08	0°M 0°. <b>₹</b>	
	14010 Jun 08 23:00	$\mathfrak{B}_{\circ 0}$			14015 Aug 18 20:59	0°⋜	
retrograde	14010 Aug 04 19:59 14010 Oct 11 23:05	0°Щ 19°Щ23'31		desc. node	14015 Oct 04 03:23 14015 Nov 07 23:41	0°る 22° <b>る</b> 29'35	
opposition	14010 Oct 11 23:03 14010 Nov 18 20:02	19 <b>H</b> 23 31 10° <b>H</b> 59′27	-4°52'06	desc. Hode	14015 Nov 19 16:54	0° <b>≈</b>	
greatest brilliancy	14010 Nov 19 22:49	10° <b>Д</b> 33'58			14016 Jan 05 22:33	0° <b>\</b>	
J	,,				======		

		00					
	14016 Feb 22 13:19	0° <b>Υ</b> 2° <b>Υ</b> 44'49			14021 Mar 09 08:23	0° <b>≈</b> 0° <b>∀</b>	
evening set max. Earth dist.	14016 Feb 26 21:56 14016 Apr 03 23:33		2.67983 AU	desc. node	14021 Apr 26 11:12 14021 Jul 01 01:19	0° <del>X</del> 27° <b>¥</b> 26'53	
max. Earm dist.	14016 Apr 09 23:25	0° <b>8</b>	2.07983 AU	retrograde	14021 Jul 18 05:55	27 <b>K</b> 20 33 29° <b>H</b> 13'02	
	1101011p1 07 23.23	ů O		min. Earth dist.	14021 Aug 25 04:39	20°\(\frac{1}{2}\)20'21	0.66351 AU
conjunction	14016 Apr 10 19:14	0° <b>8</b> 31'33	-1°06'42	opposition	14021 Aug 27 23:02	19° <b>)</b> 14'25	
minimum elong	14016 Apr 10 18:26	0° <b>8</b> 30'16		greatest brilliancy	14021 Aug 27 16:46	19° <b>¥</b> 20′39	-1.4m
morning rise	14016 May 24 02:29	28° <b>8</b> 21'03		direct	14021 Oct 06 22:17	9° <b>)</b> 50′30	
	14016 May 26 15:24	$\Pi$ $^{\circ}0$			14021 Dec 15 21:37	$0^{\circ}$ $\Upsilon$	
	14016 Jul 11 04:14	$0$ $\circ$ $\odot$			14022 Feb 10 03:48	$9^{\circ}$ 8	
	14016 Aug 24 09:25	$0^{\circ}\Omega$			14022 Mar 30 19:28	$\Pi$ °0	
	14016 Oct 06 07:12	0° <b>m</b> )			14022 May 14 10:27	0ංම	
	14016 Nov 17 04:03	0∘ <b>⊽</b>		evening set	14022 Jun 25 14:41	0° <b>Ω</b> 20'40	
asc. node	14016 Nov 23 22:10	4° <b>£</b> 52'30		1	14022 Jun 25 03:31	0° <b>Ω</b> 15° <b>Ω</b> 23'42	
	14016 Dec 28 21:54 14017 Feb 11 03:16	0° <b>ጤ</b> 0° <b>ዶ</b>		asc. node max. Earth dist.	14022 Jul 15 16:26 14022 Jul 15 15:46		2.39202 AU
retrograde	14017 Apr 27 16:22	29° <b>∡</b> 52'30		max. Earth dist.	14022 Jul 13 13:40 14022 Aug 03 18:02	0° <b>m</b> )	2.39202 AU
min. Earth dist.	14017 May 24 16:28	24° <b>x</b> 49'59	0.44273 AU		14022 Mug 03 10.02	V IIV	
greatest brilliancy	14017 May 31 13:34	22°×730'32		conjunction	14022 Aug 27 10:21	18° <b>m</b> ) 28'12	0°29'30
opposition	14017 Jun 02 01:43	21° <b>₹</b> ′59'43		minimum elong	14022 Aug 27 07:35	18° <b>m</b> ) 22'46	0°29'09
direct	14017 Jul 04 07:20	15° <b>∡</b> ³35'17			14022 Sep 11 01:14	0∘ <b>⊽</b>	
	14017 Aug 27 12:54	8°0			14022 Oct 18 21:44	0° <b>M</b> ₊	
desc. node	14017 Sep 25 08:28	14° <b>る</b> 03'11		morning rise	14022 Nov 09 11:15	16°M58'33	
	14017 Oct 24 14:01	0° <b>≈</b>			14022 Nov 26 05:00	0° <b>∡</b> ¹	
	14017 Dec 15 03:35	0° <b>∀</b>			14023 Jan 04 19:57	0°ಕ	
	14018 Feb 02 18:09	0°Υ			14023 Feb 15 14:57	0° <b>≈</b>	
	14018 Mar 22 21:32	0°8		1 1	14023 Apr 01 13:42	0° <b>∺</b>	
evening set	14018 Apr 02 02:40	6° <b>8</b> 29'41 22° <b>8</b> 46'05	2.62946 AU	desc. node	14023 May 18 22:16	28° <b>¥</b> 24'51 0° <b>Ƴ</b>	
max. Earth dist.	14018 Apr 27 08:17 14018 May 08 09:15	0° <b>Ⅱ</b>	2.02940 AU		14023 May 21 19:13 14023 Aug 01 22:42	0°8	
	14016 May 06 09.13	υщ		retrograde	14023 Aug 01 22.42 14023 Aug 21 06:57	2° <b>8</b> 05'27	
conjunction	14018 May 16 18:57	5° <b>Ⅱ</b> 33'05	-1°09'12	retrograde	14023 Sep 08 08:46	2 <b>3</b> 0° <b>R</b> Υ	
minimum elong	14018 May 16 19:32	5° <b>∏</b> 34'03		opposition	14023 Sep 30 18:08	22° <b>Y</b> ′29'59	-4°05'15
_	14018 Jun 22 00:29	0ಂತಾ		greatest brilliancy	14023 Sep 30 20:25	22° <b>Y</b> 27'43	-1.2m
morning rise	14018 Jul 02 10:38	7° <b>©</b> 11'52		min. Earth dist.	14023 Oct 01 19:53	22° <b>Y</b> 04'33	0.68471 AU
	14018 Aug 03 18:14	$0$ $^{\circ}$ $\Omega$		direct	14023 Nov 11 04:08	12° <b>Y</b> 33'59	
	14018 Sep 13 18:41	0° <b>m</b> )			14024 Jan 13 02:38	0°8	
asc. node	14018 Oct 11 12:37	20° m 53'52			14024 Mar 08 03:29	0°II	
	14018 Oct 23 10:56	0∘ <b>⊽</b>			14024 Apr 23 07:46	0°95	
	14018 Dec 01 11:05 14019 Jan 09 20:02	0° <b>M</b> 0° <i>≯</i> 7		asc. node	14024 Jun 01 12:52 14024 Jun 04 08:02	27° <b>©</b> 56'01 0° <b>Ω</b>	
	14019 Jan 09 20.02 14019 Feb 20 05:57	0°ਤ			14024 Jul 13 20:12	0° <b>m</b> )	
	14019 Apr 08 17:52	0°≈			14024 Aug 20 23:52	0∘ <b>⊽</b>	
retrograde	14019 Jun 12 19:38	21°≈38'06		evening set	14024 Sep 01 23:44	ა <b>_</b> 9° <b>ჲ</b> 31'25	
min. Earth dist.	14019 Jul 15 21:20	14° <b>≈</b> 20'53	0.57689 AU	<i>3</i>	14024 Sep 27 19:33	0° <b>M</b> .	
opposition	14019 Jul 22 06:38	11° <b>≈</b> 51'44	0°59'11		14024 Nov 05 05:43	0° <b>∡</b> ¹	
greatest brilliancy	14019 Jul 22 01:10	11° <b>≈</b> 57'03	-1.8m				
desc. node	14019 Aug 13 19:27	4° <b>≈</b> 52'05		conjunction	14024 Nov 13 05:07	6° <b>≯</b> 06'36	
direct	14019 Aug 28 05:31	3° <b>≈</b> 30′26		minimum elong	14024 Nov 13 06:31	6° <b>₹</b> 109'16	1°05'59
	14019 Nov 18 17:44	0° <b>∀</b>			14024 Dec 15 01:35	0°ਰ	
	14020 Jan 13 00:08	0° <b>Υ</b>		max. Earth dist.	14025 Jan 02 15:07		2.44733 AU
	14020 Mar 03 01:52	8°0		morning rise	14025 Jan 15 21:08	22° <b>る</b> 57'15	
avanina aat	14020 Apr 19 00:57 14020 May 08 23:08	0° <b>Ⅱ</b> 13° <b>Ⅱ</b> 16'29			14025 Jan 25 21:59	0° <b>≈</b> 0° <b>∀</b>	
evening set max. Earth dist.	14020 May 08 23.08 14020 May 24 17:08		2.52764 AU	desc. node	14025 Mar 11 05:29 14025 Apr 04 12:08	0 <del>X</del> 15° <b>¥</b> 40′38	
max. Lartii dist.	14020 Jun 02 08:51	0°95	2.32704710	dese. Hode	14025 Apr 27 11:32	0° <b>Υ</b>	
	02 00.51				14025 Jun 18 04:30	0°8	
conjunction	14020 Jun 27 16:01	17° <b>©</b> 53'19	-0°39'10		14025 Aug 24 05:32	0°II	
minimum elong	14020 Jun 27 17:49	17° <b>©</b> 56'34		retrograde	14025 Sep 25 20:05	5° <b>Ⅱ</b> 25'07	
-	14020 Jul 14 08:42	$0^{\circ}\Omega$			14025 Oct 25 12:11	30° <b>₹</b> 8	
morning rise	14020 Aug 23 14:55	0° <b>™</b> 07'54		opposition	14025 Nov 03 17:45	26° <b>8</b> 35'13	
	14020 Aug 23 10:47	0° <b>m</b> )		greatest brilliancy	14025 Nov 04 13:48	26° <b>8</b> 15'49	
asc. node	14020 Aug 28 01:39	3°m/31'56		min. Earth dist.	14025 Nov 08 16:32		0.63780 AU
	14020 Oct 01 05:00	0∘ <b>亚</b>		direct	14025 Dec 15 01:27	16° <b>8</b> 34'53	
	14020 Nov 08 09:18	0°M 0°. <b>7</b>			14026 Feb 04 21:02	0°II	
	14020 Dec 16 21:15	0° <b>∡</b> ¹		000 mc 1-	14026 Mar 30 19:42	0°95	
	14021 Jan 25 17:57	0°ප		asc. node	14026 Apr 19 17:44	13° <b>©</b> 09'57	

	1400634 10 16 01	00.0			1400134 00 00 00	17000140	00.5010.6
	14026 May 13 16:21	$0$ $\circ$ $\Omega$		conjunction	14031 Mar 29 08:23	17° <b>Ƴ</b> 44'06	
	14026 Jun 22 18:32	0° <b>m</b>		minimum elong	14031 Mar 29 07:18	17° <b>Ƴ</b> 42′23	0°59'18
	14026 Jul 31 04:47	0∘ <b>⊽</b>			14031 Apr 17 16:13	$9^{\circ}$ 8	
	14026 Sep 07 07:36	$0^{\circ}$ M.		morning rise	14031 May 11 09:44	15° <b>8</b> 07'23	
	14026 Oct 16 04:07	0° <b>∡</b> ¹			14031 Jun 03 14:08	$\Pi$ $^{\circ}0$	
evening set	14026 Nov 14 18:08	22° <b>₹</b> 07'15			14031 Jul 19 17:08	0ංම	
Č	14026 Nov 25 12:51	6°0			14031 Sep 02 21:36	$0^{\circ}\Omega$	
	14027 Jan 06 21:03	0° <b>≈</b>			14031 Oct 17 04:59	0°m)	
	11027 3411 00 21.03	0 / 0 .			14031 Nov 30 02:46	0∘ <b>ರ್</b> ೧.1%	
agniumation	14027 Ion 11 07:52	290004106	0°22'57	aga mada		o <b>—</b> 7° <b>Ω</b> 46'45	
conjunction	14027 Jan 11 07:53	3°≈04'06		asc. node	14031 Dec 11 14:37		
minimum elong	14027 Jan 11 09:04	3°≈06'08	0°23'52		14032 Jan 14 13:54	0° <b>M</b>	
max. Earth dist.	14027 Feb 08 17:12	22° <b>≈</b> 17'30	2.57744 AU		14032 Mar 16 07:31	0° <b>∡</b> ¹	
desc. node	14027 Feb 19 23:16	29° <b>≈</b> 45'19		retrograde	14032 Apr 03 21:56	2° <b>≯</b> 25'39	
	14027 Feb 20 08:10	0° <b>∀</b>			14032 Apr 22 16:07	30°RM₊	
morning rise	14027 Mar 02 18:29	6° <b>¥</b> 50'35		min. Earth dist.	14032 Apr 29 17:27	28°M04'46	0.39383 AU
	14027 Apr 07 19:59	$0^{\circ}$ $\Upsilon$		greatest brilliancy	14032 May 05 00:28	26°M29'28	-2.8m
	14027 May 26 08:25	$8^{\circ 0}$		opposition	14032 May 06 13:14	26°M01'43	6°46'26
	14027 Jul 16 17:12	$\Pi$ $^{\circ}0$		direct	14032 Jun 05 14:38	20°M36'15	
	14027 Sep 13 21:18	0ം <b>ತಾ</b>			14032 Jul 16 23:28	0° <b>∡</b> ¹	
retrograde	14027 Nov 10 04:23	14°9544'37			14032 Sep 14 04:23	ರ°0	
opposition	14027 Dec 15 21:14	7°9514'16	-3°59'19	desc. node	14032 Oct 11 18:29	16° <b>පි</b> 06'00	
greatest brilliancy	14027 Dec 17 04:08	6°9346'13	-2.0m	door. node	14032 Nov 03 23:27	0°≈	
min. Earth dist.	14027 Dec 17 04:08	4°915'13			14032 Nov 03 23:27 14032 Dec 23 06:17	0° <b>∺</b>	
IIIII. Eartii dist.			0.32023 AU			0°Υ	
	14028 Jan 07 09:53	30°RⅡ			14033 Feb 09 21:24		
direct	14028 Jan 23 19:56	28° <b>Ⅱ</b> 06'16		evening set	14033 Mar 19 08:54	23° <b>Y</b> 28'33	
	14028 Feb 09 20:44	$0_{\circ}$ වෙ			14033 Mar 29 16:00	0°8	
asc. node	14028 Mar 07 03:58	8° <b>©</b> 58'32		max. Earth dist.	14033 Apr 17 21:49	12° <b>8</b> 17'53	2.65585 AU
	14028 Apr 14 09:26	$0$ $^{\circ}$ $\Omega$					
	14028 May 28 00:55	0° <b>m</b>		conjunction	14033 May 02 07:58	21° <b>8</b> 37'04	-1°11'30
	14028 Jul 07 00:09	0∘ <b>⊽</b>		minimum elong	14033 May 02 07:55	21° <b>8</b> 37'00	1°12'15
	14028 Aug 15 04:52	0° <b>M</b> ,			14033 May 15 04:15	$\Pi$ $^{\circ}0$	
	14028 Sep 24 02:03	0° <b>⊼</b> ¹		morning rise	14033 Jun 16 02:14	21° <b>Ⅱ</b> 11'44	
	14028 Nov 04 11:38	0°₹		Ü	14033 Jun 29 02:29	0ಂತ	
	14028 Dec 17 18:25	0° <b>≈</b>			14033 Aug 11 07:49	0°N	
evening set	14029 Jan 04 08:08	11°≈49'13			14033 Sep 21 22:08	0° <b>m</b> )	
desc. node	14029 Jan 06 12:47	11 ≈4913 13°≈17'00		asc. node	•		
desc. Hode				asc. node	14033 Oct 28 09:53	27° Mp 08'33 0° <u>₽</u>	
	14029 Jan 31 21:03	0° <b>ℋ</b>			14033 Nov 01 04:58		
					14033 Dec 10 20:10	0°M	
conjunction	14029 Feb 21 13:41	13° <b>∺</b> 25′50			14034 Jan 20 01:25	0° <b>∡</b> ¹	
minimum elong	14029 Feb 21 12:49	13° <b>)</b> 24′26	0°25'10		14034 Mar 04 09:29	0°₹	
max. Earth dist.	14029 Mar 05 02:26	20° <b>¥</b> 50'47	2.65866 AU		14034 May 02 06:32	0° <b>≈</b>	
	14029 Mar 19 10:18	$0^{\circ}$ $\Upsilon$		retrograde	14034 May 27 15:30	4°≈12'50	
morning rise	14029 Apr 07 07:05	11° <b>Y</b> 58'21			14034 Jun 20 22:02	30°Ŗる	
	14029 May 05 22:16	$8^{\circ}$ 0		min. Earth dist.	14034 Jun 27 09:45	27° <b>る</b> 43'57	0.52775 AU
	14029 Jun 23 01:26	$\Pi^{\circ}0$		opposition	14034 Jul 04 23:47	24° <b>る</b> 52'01	2°35'26
	14029 Aug 10 23:00	0°€		greatest brilliancy	14034 Jul 04 07:08	25° <b>ට</b> 07'46	-2.0m
	14029 Sep 30 18:05	0°N		direct	14034 Aug 09 07:08	17° <b>ට</b> 08'04	
	14029 Nov 28 13:32	0° <b>m</b> )		desc. node	14034 Aug 30 04:40	19° <b>ට</b> 37'46	
retrograde	14030 Jan 14 14:38	11° <b>m</b> ) 19'46		dese. Hode	14034 Sep 30 11:21	0°≈	
asc. node	14030 Jan 23 11:28				14034 Nov 29 21:24	0° <b>∺</b>	
		10° m/49'11	102405				
opposition	14030 Feb 14 03:37	6° Mp 01'08	1°34'05		14035 Jan 21 02:31	0° <b>Υ</b>	
greatest brilliancy	14030 Feb 14 11:33	5° m 55'22	-2.9m		14035 Mar 11 05:15	0°8	
min. Earth dist.	14030 Feb 20 05:06	4° Mp 15'49	0.39005 AU	evening set	14035 Apr 24 13:50	28° <b>8</b> 27'10	
	14030 Mar 15 04:55	$30^\circ$ R $\Omega$			14035 Apr 26 22:16	$\Pi$ $^{\circ}0$	
direct	14030 Mar 18 13:27	29° <b>Ω</b> 55'11		max. Earth dist.	14035 May 13 16:47	11° <b>Ⅱ</b> 09'02	2.57337 AU
	14030 Mar 21 21:44	0° <b>т</b> р					
	14030 Jun 03 01:14	0∘ <b>⊽</b>		conjunction	14035 Jun 10 14:33	0°911'05	-0°55'26
	14030 Jul 18 06:56	0°M		minimum elong	14035 Jun 10 16:06	0°513'46	0°56'29
	14030 Aug 30 15:43	0° <b>∡</b> 7		Č	14035 Jun 10 08:09	0ಂತಾ	
	14030 Oct 13 14:07	0°ਰ			14035 Jul 22 14:16	$0^{\circ}\Omega$	
desc. node	14030 Nov 24 11:27	27°る50'46		morning rise	14035 Aug 01 06:55	7° <b>Ω</b> 05'04	
	14030 Nov 27 11:27	27 <b>⊙</b> 30 <b>4</b> 0			14035 Aug 01 00:05 14035 Sep 01 00:07	0°m)	
		0° <b>∺</b>		acc node	•	-•	
ovening	14031 Jan 13 04:00			asc. node	14035 Sep 14 22:04	10° Mp 35'29	
evening set	14031 Feb 12 22:25	19° <b>)</b> 35'47			14035 Oct 10 01:43	0∘ <b>⊽</b>	
	14031 Mar 01 08:20	0°Υ	0.604== :==		14035 Nov 17 11:52	0° <b>M</b>	
max. Earth dist.	14031 Mar 27 13:43	16° <b>Ƴ</b> 36'31	2.68475 AU		14035 Dec 26 04:42	0° <b>∡</b>	
					14036 Feb. 04 08:40	رەر كەر	

14036 Feb 04 08:49

						_	
	14036 Mar 18 20:09	0° <b>≈</b>			14041 May 22 05:24	$0$ $\circ$ $\Omega$	
	14036 May 09 21:16	0° <b>∀</b>			14041 Jun 30 23:27	0° <b>m</b> )	
retrograde	14036 Jul 04 16:05	15° <b>)</b> 43′49			14041 Aug 08 05:40	0∘ <b>⊽</b>	
desc. node	14036 Jul 17 12:57	14° <b>)</b> ₹35′20			14041 Sep 15 04:21	0° <b>M</b>	
min. Earth dist.	14036 Aug 09 20:38	7° <b>)</b> €24'48	0.63688 AU	evening set	14041 Oct 19 14:01	26° <b>™</b> 45'59	
opposition	14036 Aug 14 02:38	5° <b>)</b> 43′46	-1°05'40		14041 Oct 23 19:20	0° <b>∡</b> 7	
greatest brilliancy	14036 Aug 13 21:52	5° <b>)</b> 48′29	-1.5m		14041 Dec 02 21:31	0°ರ	
	14036 Aug 30 06:03	30° <b>R</b> ≈					
direct	14036 Sep 22 02:23	26° <b>≈</b> 39'54		conjunction	14041 Dec 22 02:32	13° <b>る</b> 53'10	0°42'43
	14036 Oct 17 02:32	0° <b>₩</b>		minimum elong	14041 Dec 22 04:45	13° <b>る</b> 57'09	0°43'45
	14036 Dec 27 12:04	$0^{\circ}\Upsilon$		C	14042 Jan 13 23:27	0° <b>≈</b> ≈	
	14037 Feb 18 08:25	0°B		max. Earth dist.	14042 Jan 27 19:27	9° <b>≈</b> 31'49	2.53149 AU
	14037 Apr 07 03:37	0°II		morning rise	14042 Feb 14 13:52	21° <b>≈</b> 32'52	
	14037 May 21 14:16	0°9			14042 Feb 27 07:09	0° <b>₩</b>	
evening set	14037 Jun 05 05:40	10°9519'07		desc. node	14042 Mar 08 17:53	6° <b>¥</b> 12'07	
max. Earth dist.	14037 Jun 19 03:11	20°9518'16	2.44580 AU	dese. Hode	14042 Apr 14 22:30	0° <b>Υ</b>	
max. Lattii dist.	14037 Jul 19 03:11 14037 Jul 02 09:14	20 <b>3</b> 18 10	2.44360 AU		14042 Jun 03 06:22	%8 0°8	
	1403 / Jul 02 09.14	0 86			14042 Jul	0°II	
. ,.	14027 1 1 21 16 05	210 0 50120	000012.4	. 1			
conjunction	14037 Jul 31 16:05	21° <b>Ω</b> 58′20		retrograde	14042 Oct 21 21:38	28° <b>Ⅱ</b> 24'53	10.1012.0
minimum elong	14037 Jul 31 16:12	21° <b>Ω</b> 58'33	0°01'17	opposition	14042 Nov 28 01:48	20° <b>Ⅱ</b> 17'45	
behind sun begin	14037 Jul 30 14:19	21°Ω09'18		greatest brilliancy	14042 Nov 29 07:19	19° <b>Ⅱ</b> 49'59	
behind sun end	14037 Aug 01 18:04	22° <b>Ω</b> 47'52		min. Earth dist.	14042 Dec 05 04:59		0.57665 AU
asc. node	14037 Aug 01 10:33	22° <b>Ω</b> 33'32		direct	14043 Jan 07 07:28	10° <b>Ⅲ</b> 38'35	
	14037 Aug 11 03:38	0° <b>m</b> )			14043 Mar 10 04:52	0	
	14037 Sep 18 14:35	0∘ <b>亚</b>		asc. node	14043 Mar 24 15:01	8° <b>ട്ട</b> 05'10	
morning rise	14037 Oct 07 21:54	15° <b>≏</b> 15'14			14043 Apr 27 18:12	$0^{\circ}\Omega$	
	14037 Oct 26 13:25	0° <b>M</b> ₊			14043 Jun 08 05:18	0° <b>m</b> )	
	14037 Dec 03 21:24	0° <b>∡</b> ¹			14043 Jul 17 07:15	0∘ <b>亚</b>	
	14038 Jan 12 12:41	0°ප			14043 Aug 24 21:56	0° <b>M</b> .	
	14038 Feb 23 10:54	0° <b>≈</b>			14043 Oct 03 06:25	0° <b>∡</b> ¹	
	14038 Apr 10 01:35	0° <b>)</b> €			14043 Nov 13 03:48	0°ჳ	
	14038 Jun 02 07:56	$0^{\circ}\Upsilon$		evening set	14043 Dec 18 07:26	24° <b>♂</b> 43'33	
desc. node	14038 Jun 04 15:14	1° <b>Y</b> 07'01		<i>8</i>	14043 Dec 25 23:35	0° <b>≈</b>	
retrograde	14038 Aug 08 00:16	19° <b>Y</b> 41'55		desc. node	14044 Jan 24 06:21	19° <b>≈</b> 45'24	
opposition	14038 Sep 17 17:17	9° <b>Υ</b> ′54'42	-3°27'39	dese. Hode	110113411 21 00.21	19 .0.1321	
min. Earth dist.	14038 Sep 17 17:17 14038 Sep 17 06:25	10° <b>Υ</b> 05'28	0.68434 AU	conjunction	14044 Feb 07 07:22	29° <b>≈</b> 02'40	-0°08'06
greatest brilliancy	14038 Sep 17 00:23	9° <b>Υ</b> 57'26		minimum elong			
direct	14036 Sep 17 14.32						0°07'27
direct	14029 Oct 29 17:56		-1.3m	•	14044 Feb 07 07:03	29°≈02'09	0°07'27
	14038 Oct 28 17:56	0° <b>Y</b> ′08′25	-1.5m	behind sun begin	14044 Feb 06 13:01	28° <b>≈</b> 32'29	0°07'27
	14039 Jan 25 08:17	0° <b>Y</b> 08'25 0° <b>と</b>	-1.3m	•	14044 Feb 06 13:01 14044 Feb 08 01:06	28°≈32'29 29°≈31'47	0°07'27
	14039 Jan 25 08:17 14039 Mar 17 17:45	0° <b>Y</b> 08'25 0° <b>と</b> 0°耳	-1.3m	behind sun begin behind sun end	14044 Feb 06 13:01 14044 Feb 08 01:06 14044 Feb 08 18:17	28°≈32'29 29°≈31'47 0°¥	
	14039 Jan 25 08:17 14039 Mar 17 17:45 14039 May 02 02:20	0°Y08'25 0°B 0°I 0°©	-1.3m	behind sun begin behind sun end max. Earth dist.	14044 Feb 06 13:01 14044 Feb 08 01:06 14044 Feb 08 18:17 14044 Feb 24 19:32	28°≈32'29 29°≈31'47 0°¥ 10°¥28'50	0°07'27 2.63326 AU
	14039 Jan 25 08:17 14039 Mar 17 17:45 14039 May 02 02:20 14039 Jun 12 22:05	0°Y08'25 0°႘ 0°Ⅲ 0°ᢒ 0°Ω	-1.5M	behind sun begin behind sun end	14044 Feb 06 13:01 14044 Feb 08 01:06 14044 Feb 08 18:17 14044 Feb 24 19:32 14044 Mar 24 15:39	28°≈32'29 29°≈31'47 0° <del>H</del> 10° <del>H</del> 28'50 29° <del>H</del> 00'48	
asc. node	14039 Jan 25 08:17 14039 Mar 17 17:45 14039 May 02 02:20 14039 Jun 12 22:05 14039 Jun 19 05:08	0°Y08'25 0°႘ 0°Ⅲ 0°ဢ 0°ℳ 4°ℳ41'01	-1.5M	behind sun begin behind sun end max. Earth dist.	14044 Feb 06 13:01 14044 Feb 08 01:06 14044 Feb 08 18:17 14044 Feb 24 19:32 14044 Mar 24 15:39 14044 Mar 26 04:51	28°≈32'29 29°≈31'47 0°¥ 10°¥28'50 29°¥00'48 0° <b>°</b>	
	14039 Jan 25 08:17 14039 Mar 17 17:45 14039 May 02 02:20 14039 Jun 12 22:05 14039 Jun 19 05:08 14039 Jul 22 10:11	0°Y08'25 0°႘ 0°Ⅲ 0°邬 0°Ω 4°Ω41'01	-1.5M	behind sun begin behind sun end max. Earth dist.	14044 Feb 06 13:01 14044 Feb 08 01:06 14044 Feb 08 18:17 14044 Feb 24 19:32 14044 Mar 24 15:39 14044 Mar 26 04:51 14044 May 12 23:01	28°≈32'29 29°≈31'47 0°¥ 10°¥28'50 29°¥00'48 0°♀ 0°¥	
asc. node	14039 Jan 25 08:17 14039 Mar 17 17:45 14039 May 02 02:20 14039 Jun 12 22:05 14039 Jun 19 05:08 14039 Jul 22 10:11 14039 Aug 03 22:12	0°Y08'25 0°B 0°I 0°S 0°A 4°A41'01 0°M 9°M44'42	-1.5M	behind sun begin behind sun end max. Earth dist.	14044 Feb 06 13:01 14044 Feb 08 01:06 14044 Feb 08 18:17 14044 Feb 24 19:32 14044 Mar 24 15:39 14044 Mar 26 04:51 14044 May 12 23:01 14044 Jun 30 23:21	28°≈32'29 29°≈31'47 0°₩ 10°₩28'50 29°₩00'48 0°Ψ 0°₩ 0°₩	
	14039 Jan 25 08:17 14039 Mar 17 17:45 14039 May 02 02:20 14039 Jun 12 22:05 14039 Jun 19 05:08 14039 Jul 22 10:11 14039 Aug 03 22:12 14039 Aug 29 14:26	0°Y08'25 0°B 0°I 0°B 0°A 4°A41'01 0°M 9°M44'42	-1.5M	behind sun begin behind sun end max. Earth dist.	14044 Feb 06 13:01 14044 Feb 08 01:06 14044 Feb 08 18:17 14044 Feb 24 19:32 14044 Mar 24 15:39 14044 Mar 26 04:51 14044 May 12 23:01 14044 Jun 30 23:21 14044 Aug 21 01:39	28°≈32'29 29°≈31'47 0°¥ 10°¥28'50 29°¥00'48 0°Y 0°¥ 0°II 0°©	
	14039 Jan 25 08:17 14039 Mar 17 17:45 14039 May 02 02:20 14039 Jun 12 22:05 14039 Jun 19 05:08 14039 Jul 22 10:11 14039 Aug 03 22:12	0°Y08'25 0°B 0°I 0°S 0°A 4°A41'01 0°M 9°M44'42	-1.5M	behind sun begin behind sun end max. Earth dist. morning rise	14044 Feb 06 13:01 14044 Feb 08 01:06 14044 Feb 08 18:17 14044 Feb 24 19:32 14044 Mar 24 15:39 14044 Mar 26 04:51 14044 May 12 23:01 14044 Jun 30 23:21	28°≈32'29 29°≈31'47 0°₩ 10°₩28'50 29°₩00'48 0°Ψ 0°₩ 0°₩ 0°₩ 0°₩	
	14039 Jan 25 08:17 14039 Mar 17 17:45 14039 May 02 02:20 14039 Jun 12 22:05 14039 Jun 19 05:08 14039 Jul 22 10:11 14039 Aug 03 22:12 14039 Aug 29 14:26	0°Y08'25 0°B 0°I 0°B 0°A 4°A41'01 0°M 9°M44'42	-1.5M	behind sun begin behind sun end max. Earth dist. morning rise	14044 Feb 06 13:01 14044 Feb 08 01:06 14044 Feb 08 18:17 14044 Feb 24 19:32 14044 Mar 24 15:39 14044 Mar 26 04:51 14044 May 12 23:01 14044 Jun 30 23:21 14044 Aug 21 01:39	28°≈32'29 29°≈31'47 0° ₩ 10° ₩28'50 29° ₩00'48 0° Ψ 0° ₩ 0° ₩ 0° ₩ 16° Ω09'02	2.63326 AU
evening set	14039 Jan 25 08:17 14039 Mar 17 17:45 14039 May 02 02:20 14039 Jun 12 22:05 14039 Jun 19 05:08 14039 Jul 22 10:11 14039 Aug 03 22:12 14039 Aug 29 14:26	0°Y08'25 0°B 0°II 0°S 0°A 4°A41'01 0°M 9°M44'42 0°A 0°IL	-1.5m 1°04'00	behind sun begin behind sun end max. Earth dist. morning rise	14044 Feb 06 13:01 14044 Feb 08 01:06 14044 Feb 08 18:17 14044 Feb 24 19:32 14044 Mar 24 15:39 14044 Mar 26 04:51 14044 Jun 30 23:21 14044 Aug 21 01:39 14044 Oct 17 17:17	28°≈32'29 29°≈31'47 0°₩ 10°₩28'50 29°₩00'48 0°Ψ 0°₩ 0°₩ 0°₩ 0°₩	2.63326 AU
evening set	14039 Jan 25 08:17 14039 Mar 17 17:45 14039 May 02 02:20 14039 Jun 12 22:05 14039 Jun 19 05:08 14039 Jul 22 10:11 14039 Aug 03 22:12 14039 Aug 29 14:26 14039 Oct 06 09:32	0°Y08'25 0°B 0°II 0°S 0°A 4°A41'01 0°M 9°M44'42 0°A 0°IL		behind sun begin behind sun end max. Earth dist. morning rise	14044 Feb 06 13:01 14044 Feb 08 01:06 14044 Feb 08 18:17 14044 Feb 24 19:32 14044 Mar 24 15:39 14044 Mar 26 04:51 14044 Jun 30 23:21 14044 Aug 21 01:39 14044 Oct 17 17:17 14044 Dec 16 01:15	28°≈32'29 29°≈31'47 0° ₩ 10° ₩28'50 29° ₩00'48 0° Ψ 0° ₩ 0° ₩ 0° ₩ 16° Ω09'02	2.63326 AU -1°25'35
evening set	14039 Jan 25 08:17 14039 Mar 17 17:45 14039 May 02 02:20 14039 Jun 12 22:05 14039 Jun 19 05:08 14039 Jul 22 10:11 14039 Aug 03 22:12 14039 Aug 29 14:26 14039 Oct 06 09:32	0°Y08'25 0°B 0°II 0°S 0°A 4°A41'01 0°M 9°M44'42 0°A 0°IL 6°IL53'01	1°04'00 1°04'32	behind sun begin behind sun end max. Earth dist. morning rise retrograde opposition	14044 Feb 06 13:01 14044 Feb 08 01:06 14044 Feb 08 18:17 14044 Feb 24 19:32 14044 Mar 24 15:39 14044 Mar 26 04:51 14044 May 12 23:01 14044 Jun 30 23:21 14044 Aug 21 01:39 14044 Oct 17 17:17 14044 Dec 16 01:15 14045 Jan 17 18:12	28°≈32'29 29°≈31'47 0°¥ 10°¥28'50 29°¥00'48 0°Y 0°\$ 0°П 0°\$ 0°\$ 16°\$\O9'02 9°\$\S5'47	2.63326 AU -1°25'35
evening set	14039 Jan 25 08:17 14039 Mar 17 17:45 14039 May 02 02:20 14039 Jun 12 22:05 14039 Jun 19 05:08 14039 Jul 22 10:11 14039 Aug 03 22:12 14039 Oct 06 09:32 14039 Oct 15 02:43 14039 Oct 15 00:23	0°Y08'25 0°B 0°II 0°S 0°A 4°A41'01 0°M 9°M44'42 0°A 0°IL 6°IL53'01 6°IL48'25	1°04'00	behind sun begin behind sun end  max. Earth dist. morning rise  retrograde opposition greatest brilliancy	14044 Feb 06 13:01 14044 Feb 08 01:06 14044 Feb 08 18:17 14044 Feb 24 19:32 14044 Mar 24 15:39 14044 Mar 26 04:51 14044 May 12 23:01 14044 Jun 30 23:21 14044 Aug 21 01:39 14044 Oct 17 17:17 14044 Dec 16 01:15 14045 Jan 17 18:12	28°≈32'29 29°≈31'47 0° ₩ 10° ₩28'50 29° ₩00'48 0° Ψ 0° ₩ 0° Ш 0° © 0° Ω 16° Ω09'02 9° Ω55'47 9° Ω44'59	2.63326 AU -1°25'35 -2.5m
evening set  conjunction minimum elong	14039 Jan 25 08:17 14039 Mar 17 17:45 14039 May 02 02:20 14039 Jun 12 22:05 14039 Jun 19 05:08 14039 Jul 22 10:11 14039 Aug 03 22:12 14039 Oct 06 09:32 14039 Oct 15 02:43 14039 Oct 15 00:23 14039 Nov 13 17:30	0°Y08'25 0°B 0°B 0°B 0°B 4°B41'01 0°M 9°M44'42 0°B 0°M 6°M53'01 6°M48'25 0°\$	1°04'00 1°04'32	behind sun begin behind sun end max. Earth dist. morning rise retrograde opposition greatest brilliancy min. Earth dist.	14044 Feb 06 13:01 14044 Feb 08 01:06 14044 Feb 08 18:17 14044 Feb 24 19:32 14044 Mar 24 15:39 14044 Mar 26 04:51 14044 May 12 23:01 14044 Jun 30 23:21 14044 Aug 21 01:39 14044 Oct 17 17:17 14045 Jan 17 18:12 14045 Jan 18 07:33 14045 Jan 26 06:23	28°≈32'29 29°≈31'47 0° ₩ 10° ₩ 28'50 29° ₩ 00'48 0° Ψ 0° ₩ 0° ₩ 0° ₩ 16° ₩ 09'02 9° ₩ 55'47 9° ₩ 44'59 7° ₩ 11'08	2.63326 AU -1°25'35 -2.5m
evening set  conjunction minimum elong	14039 Jan 25 08:17 14039 Mar 17 17:45 14039 May 02 02:20 14039 Jun 12 22:05 14039 Jun 19 05:08 14039 Jul 22 10:11 14039 Aug 03 22:12 14039 Aug 29 14:26 14039 Oct 06 09:32 14039 Oct 15 02:43 14039 Oct 15 00:23 14039 Nov 13 17:30 14039 Dec 06 18:45	0°Y08'25 0°႘ 0°Ⅱ 0°ಽ 0°Ω 4°Ω41'01 0°₥ 9°₥44'42 0°료 0°ጤ 6°ጤ53'01 6°ጤ48'25 0°⊀ 17°⊀34'59	1°04'00 1°04'32	behind sun begin behind sun end max. Earth dist. morning rise retrograde opposition greatest brilliancy min. Earth dist. asc. node	14044 Feb 06 13:01 14044 Feb 08 01:06 14044 Feb 08 18:17 14044 Feb 24 19:32 14044 Mar 24 15:39 14044 Mar 26 04:51 14044 May 12 23:01 14044 Jun 30 23:21 14044 Aug 21 01:39 14044 Oct 17 17:17 14044 Dec 16 01:15 14045 Jan 17 18:12 14045 Jan 18 07:33 14045 Jan 26 06:23 14045 Feb 09 01:39	28°≈32'29 29°≈31'47 0° ₩ 10° ₩ 28'50 29° ₩ 00'48 0° Ψ 0° ₩ 0° ₩ 16° £ 009'02 9° £ 55'47 9° £ 44'59 7° £ 11'08 3° £ 36'53	2.63326 AU -1°25'35 -2.5m
evening set  conjunction minimum elong max. Earth dist.	14039 Jan 25 08:17 14039 Mar 17 17:45 14039 May 02 02:20 14039 Jun 12 22:05 14039 Jun 19 05:08 14039 Jul 22 10:11 14039 Aug 03 22:12 14039 Aug 29 14:26 14039 Oct 06 09:32 14039 Oct 15 02:43 14039 Oct 15 00:23 14039 Nov 13 17:30 14039 Dec 06 18:45 14039 Dec 23 10:14	0°Y08'25 0°႘ 0°Ⅱ 0°೪ 0°Ω 4°Ω41'01 0°ﺵ 9°₥44'42 0°Ω 0°™ 6°™53'01 6°™48'25 0°⊀ 17°⊀34'59	1°04'00 1°04'32	behind sun begin behind sun end max. Earth dist. morning rise retrograde opposition greatest brilliancy min. Earth dist. asc. node	14044 Feb 06 13:01 14044 Feb 08 01:06 14044 Feb 08 18:17 14044 Feb 24 19:32 14044 Mar 24 15:39 14044 Mar 26 04:51 14044 May 12 23:01 14044 Jun 30 23:21 14044 Aug 21 01:39 14044 Oct 17 17:17 14044 Dec 16 01:15 14045 Jan 17 18:12 14045 Jan 18 07:33 14045 Jan 26 06:23 14045 Feb 09 01:39 14045 Feb 22 07:40	28°≈32'29 29°≈31'47 0° ₩ 10° ₩ 28'50 29° ₩ 00'48 0° Ψ 0° ₩ 0° ₩ 0° ₩ 16° № 09'02 9° № 55'47 9° № 44'59 7° № 11'08 3° № 36'53 2° № 22'10	2.63326 AU -1°25'35 -2.5m
evening set  conjunction minimum elong max. Earth dist.	14039 Jan 25 08:17 14039 Mar 17 17:45 14039 May 02 02:20 14039 Jun 12 22:05 14039 Jun 19 05:08 14039 Jul 22 10:11 14039 Aug 03 22:12 14039 Aug 29 14:26 14039 Oct 06 09:32 14039 Oct 15 02:43 14039 Oct 15 00:23 14039 Nov 13 17:30 14039 Dec 06 18:45 14039 Dec 23 10:14 14039 Dec 24 17:04	0°Y08'25 0°Y08'25 0°Y08'25 0°N 0°N 4°N41'01 0°M 9°M44'42 0°Ω 0°M 6°M53'01 6°M48'25 0°X 17°X34'59 0°S 0°S56'54	1°04'00 1°04'32	behind sun begin behind sun end max. Earth dist. morning rise retrograde opposition greatest brilliancy min. Earth dist. asc. node	14044 Feb 06 13:01 14044 Feb 08 01:06 14044 Feb 08 18:17 14044 Feb 24 19:32 14044 Mar 24 15:39 14044 Mar 26 04:51 14044 May 12 23:01 14044 Jun 30 23:21 14044 Aug 21 01:39 14044 Oct 17 17:17 14044 Dec 16 01:15 14045 Jan 17 18:12 14045 Jan 18 07:33 14045 Feb 09 01:39 14045 Feb 09 01:39 14045 Feb 22 07:40 14045 May 05 16:04	28°≈32'29 29°≈31'47 0° ₩ 10° ₩ 28'50 29° ₩ 00'48 0° Ψ 0° ₩ 0° ₩ 0° \$\mathbb{0}\$ 16° \$\mathbb{0}\$09'02 9° \$\mathbb{0}\$55'47 9° \$\mathbb{0}\$44'59 7° \$\mathbb{0}\$11'08 3° \$\mathbb{0}\$36'53 2° \$\mathbb{0}\$22'10 0° \$\mathbb{0}\$	2.63326 AU -1°25'35 -2.5m
evening set  conjunction minimum elong max. Earth dist.	14039 Jan 25 08:17 14039 Mar 17 17:45 14039 May 02 02:20 14039 Jun 12 22:05 14039 Jun 19 05:08 14039 Jul 22 10:11 14039 Aug 03 22:12 14039 Aug 29 14:26 14039 Oct 06 09:32  14039 Oct 15 02:43 14039 Oct 15 00:23 14039 Nov 13 17:30 14039 Dec 06 18:45 14039 Dec 23 10:14 14039 Dec 24 17:04 14040 Feb 03 04:12	0°Y08'25 0°Y08'25 0°Y08'25 0°Y09 0°N 4°N41'01 0°M 9°M44'42 0°Ω 0°M 6°M53'01 6°M48'25 0°X 17°X34'59 0°V56'54 0°∞	1°04'00 1°04'32	behind sun begin behind sun end max. Earth dist. morning rise retrograde opposition greatest brilliancy min. Earth dist. asc. node	14044 Feb 06 13:01 14044 Feb 08 01:06 14044 Feb 08 18:17 14044 Feb 24 19:32 14044 Mar 24 15:39 14044 Mar 26 04:51 14044 May 12 23:01 14044 Jun 30 23:21 14044 Aug 21 01:39 14044 Oct 17 17:17 14044 Dec 16 01:15 14045 Jan 17 18:12 14045 Jan 18 07:33 14045 Feb 09 01:39 14045 Feb 09 01:39 14045 Feb 22 07:40 14045 May 05 16:04 14045 Jun 18 23:16	28°≈32'29 29°≈31'47 0° ₩ 10° ₩28'50 29° ₩00'48 0° Ψ 0° ₩ 0° \$\mathref{0}\$ 0° \$\mathref{0}\$ 16° \$\mathref{0}\$09'02 9° \$\mathref{0}\$55'47 9° \$\mathref{0}\$44'59 7° \$\mathref{0}\$11'08 3° \$\mathref{0}\$36'53 2° \$\mathref{0}\$22'10 0° \$\mathref{m}\$ 0° \$\mathref{0}\$	2.63326 AU -1°25'35 -2.5m
evening set  conjunction minimum elong max. Earth dist. morning rise	14039 Jan 25 08:17 14039 Mar 17 17:45 14039 May 02 02:20 14039 Jun 12 22:05 14039 Jun 19 05:08 14039 Jul 22 10:11 14039 Aug 03 22:12 14039 Aug 29 14:26 14039 Oct 06 09:32  14039 Oct 15 02:43 14039 Oct 15 00:23 14039 Nov 13 17:30 14039 Dec 06 18:45 14039 Dec 23 10:14 14039 Dec 24 17:04 14040 Feb 03 04:12 14040 Mar 18 14:00	0°Y08'25 0°Y08'25 0°Y08'25 0°Y09 0°N 0°N 0°N 9°M44'42 0°Ω 0°M 6°M48'25 0°X 17°X34'59 0°S 0°S56'54 0°≈ 0°Y	1°04'00 1°04'32	behind sun begin behind sun end max. Earth dist. morning rise retrograde opposition greatest brilliancy min. Earth dist. asc. node	14044 Feb 06 13:01 14044 Feb 08 01:06 14044 Feb 08 18:17 14044 Feb 24 19:32 14044 Mar 24 15:39 14044 Mar 26 04:51 14044 Jun 30 23:21 14044 Aug 21 01:39 14044 Oct 17 17:17 14044 Dec 16 01:15 14045 Jan 17 18:12 14045 Jan 18 07:33 14045 Feb 09 01:39 14045 Feb 09 01:39 14045 Feb 09 01:39 14045 May 05 16:04 14045 Jun 18 23:16 14045 Jun 18 23:16 14045 Jun 18 23:16	28°≈32'29 29°≈31'47 0° ₩ 10° ₩28'50 29° ₩00'48 0° Ψ 0° ₩ 0° ₩ 0° \$\mathref{0}\$ 16° \$\O9'02\$ 9° \$\O5'47\$ 9° \$\O44'59\$ 7° \$\O11'08\$ 3° \$\O36'53\$ 2° \$\O22'10 0° \$\mathref{m}\$ 0° \$\mathref{m}\$	2.63326 AU -1°25'35 -2.5m
evening set  conjunction minimum elong max. Earth dist. morning rise	14039 Jan 25 08:17 14039 Mar 17 17:45 14039 May 02 02:20 14039 Jun 12 22:05 14039 Jun 19 05:08 14039 Jul 22 10:11 14039 Aug 03 22:12 14039 Aug 29 14:26 14039 Oct 06 09:32  14039 Oct 15 02:43 14039 Oct 15 00:23 14039 Nov 13 17:30 14039 Dec 06 18:45 14039 Dec 24 17:04 14040 Feb 03 04:12 14040 Mar 18 14:00 14040 Apr 21 07:24 14040 May 05 12:34	0°Y08'25 0°႘ 0°Ⅱ 0°ಽ 0°Ω 4°Ω41'01 0°₥ 9°₥44'42 0°료 0°ጤ 6°ጤ53'01 6°ጤ48'25 0°ជ 17°ជ34'59 0°ጜ 17°ጜ34'59 0°ጜ 21°ឣ23'22 0°Ƴ	1°04'00 1°04'32	behind sun begin behind sun end max. Earth dist. morning rise retrograde opposition greatest brilliancy min. Earth dist. asc. node	14044 Feb 06 13:01 14044 Feb 08 01:06 14044 Feb 08 18:17 14044 Feb 24 19:32 14044 Mar 24 15:39 14044 Mar 26 04:51 14044 Jun 30 23:21 14044 Aug 21 01:39 14044 Oct 17 17:17 14044 Dec 16 01:15 14045 Jan 17 18:12 14045 Jan 18 07:33 14045 Feb 09 01:39 14045 Feb 22 07:40 14045 May 05 16:04 14045 Jun 18 23:16 14045 Jun 18 23:16 14045 Jun 18 23:16 14045 Jun 30 06:12 14045 Sep 09 14:36	28°≈32'29 29°≈31'47 0° ₩ 10° ₩28'50 29° ₩00'48 0° Ψ 0° ₩ 0°  0° Ω 16° Ω09'02 9° Ω55'47 9° Ω44'59 7° Ω11'08 3° Ω36'53 2° Ω22'10 0° ™ 0° Ω 0° ™	2.63326 AU -1°25'35 -2.5m
evening set  conjunction minimum elong max. Earth dist. morning rise  desc. node	14039 Jan 25 08:17 14039 Mar 17 17:45 14039 May 02 02:20 14039 Jun 12 22:05 14039 Jun 19 05:08 14039 Jul 22 10:11 14039 Aug 03 22:12 14039 Oct 06 09:32  14039 Oct 15 02:43 14039 Oct 15 00:23 14039 Nov 13 17:30 14039 Dec 06 18:45 14039 Dec 23 10:14 14039 Dec 24 17:04 14040 Feb 03 04:12 14040 Mar 18 14:00 14040 Apr 21 07:24 14040 May 05 12:34 14040 Jun 29 03:45	0°Y08'25 0°℧ 0°Ⅱ 0°₷ 0°Л 4°Л41'01 0°™ 9°™44'42 0°™ 6°™53'01 6°™48'25 0°ズ 17°ズ34'59 0°℧ 0°Ծ 0°Ծ 0°Ծ 0°Ծ 0°Ծ 0°Ծ 0°Ծ 0°Ծ	1°04'00 1°04'32	behind sun begin behind sun end max. Earth dist. morning rise retrograde opposition greatest brilliancy min. Earth dist. asc. node direct	14044 Feb 06 13:01 14044 Feb 08 01:06 14044 Feb 08 18:17 14044 Feb 24 19:32 14044 Mar 24 15:39 14044 Mar 26 04:51 14044 Jun 30 23:21 14044 Aug 21 01:39 14044 Oct 17 17:17 14044 Dec 16 01:15 14045 Jan 17 18:12 14045 Jan 18 07:33 14045 Feb 09 01:39 14045 Feb 22 07:40 14045 Jun 18 23:16 14045 Jun 18 23:16 14045 Jun 18 23:16 14045 Sep 09 14:36 14045 Oct 22 04:53 14045 Dec 05 10:34	28°≈32'29 29°≈31'47 0° ₩ 10° ₩ 28'50 29° ₩ 00'48 0° Ψ 0° ₩ 0° ₩ 16° ₩ 009'02 9° ₩ 55'47 9° ₩ 44'59 7° ₩ 11'08 3° ₩ 36'53 2° ₩ 222'10 0° ₩ 0° ₩ 0° ₩ 0° ₩ 0° ₩ 0° ₩ 0° ₩ 0°	2.63326 AU -1°25'35 -2.5m
evening set  conjunction minimum elong max. Earth dist. morning rise  desc. node retrograde	14039 Jan 25 08:17 14039 Mar 17 17:45 14039 May 02 02:20 14039 Jun 12 22:05 14039 Jun 19 05:08 14039 Jul 22 10:11 14039 Aug 03 22:12 14039 Oct 06 09:32  14039 Oct 15 02:43 14039 Oct 15 00:23 14039 Nov 13 17:30 14039 Dec 06 18:45 14039 Dec 23 10:14 14039 Dec 24 17:04 14040 Feb 03 04:12 14040 Mar 18 14:00 14040 Apr 21 07:24 14040 May 05 12:34 14040 Jun 29 03:45 14040 Sep 10 23:57	0°Y08'25 0°℧ 0°П 0°© 0°Л 4°Д41'01 0°™ 9°™44'42 0°Ω 0°™ 6°™53'01 6°™48'25 0°ズ 17°ズ34'59 0°℧ 0°℧ 0°Ծ 0°Ծ 0°Ծ 21°Ж23'22 0°Y 0°℧ 22°℧18'12	1°04'00 1°04'32 2.39092 AU	behind sun begin behind sun end max. Earth dist. morning rise retrograde opposition greatest brilliancy min. Earth dist. asc. node	14044 Feb 06 13:01 14044 Feb 08 01:06 14044 Feb 08 18:17 14044 Feb 24 19:32 14044 Mar 24 15:39 14044 Mar 26 04:51 14044 May 12 23:01 14044 Jun 30 23:21 14044 Oct 17 17:17 14044 Dec 16 01:15 14045 Jan 17 18:12 14045 Jan 18 07:33 14045 Feb 09 01:39 14045 Feb 22 07:40 14045 May 05 16:04 14045 Jun 18 23:16 14045 Jun 18 23:16 14045 Sep 09 14:36 14045 Oct 22 04:53 14045 Dec 05 10:34 14045 Dec 05 10:34	28°≈32'29 29°≈31'47 0° ₩ 10° ₩ 28'50 29° ₩ 00'48 0° Ψ 0° ₩ 0° ₩ 0° № 16° № 009'02 9° № 55'47 9° № 44'59 7° № 11'08 3° № 336'53 2° № 22'10 0° № 0° № 0° № 0° № 0° № 3°≈43'06	2.63326 AU -1°25'35 -2.5m
evening set  conjunction minimum elong max. Earth dist. morning rise  desc. node  retrograde opposition	14039 Jan 25 08:17 14039 Mar 17 17:45 14039 May 02 02:20 14039 Jun 12 22:05 14039 Jun 19 05:08 14039 Jul 22 10:11 14039 Aug 03 22:12 14039 Oct 06 09:32 14039 Oct 15 02:43 14039 Oct 15 00:23 14039 Oct 15 00:23 14039 Nov 13 17:30 14039 Dec 06 18:45 14039 Dec 23 10:14 14039 Dec 24 17:04 14040 Feb 03 04:12 14040 Mar 18 14:00 14040 Apr 21 07:24 14040 May 05 12:34 14040 Jun 29 03:45 14040 Sep 10 23:57 14040 Oct 20 16:18	0°Y08'25 0°℧ 0°П 0°© 0°Л 4°Л41'01 0°™ 9°™44'42 0°Ω 0°™ 6°™53'01 6°™48'25 0°ズ 17°ズ34'59 0°℧ 0°℧ 0°Ծ 0°℧ 21°Ұ23'22 0°Y 0°℧ 22°℧18'12 13°℧07'29	1°04'00 1°04'32 2.39092 AU	behind sun begin behind sun end max. Earth dist. morning rise retrograde opposition greatest brilliancy min. Earth dist. asc. node direct desc. node	14044 Feb 06 13:01 14044 Feb 08 01:06 14044 Feb 08 18:17 14044 Feb 24 19:32 14044 Mar 24 15:39 14044 Mar 26 04:51 14044 May 12 23:01 14044 Jun 30 23:21 14044 Oct 17 17:17 14044 Dec 16 01:15 14045 Jan 17 18:12 14045 Jan 18 07:33 14045 Feb 09 01:39 14045 Feb 22 07:40 14045 May 05 16:04 14045 Jun 18 23:16 14045 Jun 18 23:16 14045 Jun 18 23:16 14045 Jun 18 23:16 14045 Dec 05 10:34 14045 Dec 05 10:34 14045 Dec 11 00:54 14046 Jan 20 05:18	28°≈32'29 29°≈31'47 0° ₩ 10° ₩ 28'50 29° ₩ 00'48 0° Ψ 0° ₩ 0° Ω 16° Ω 09'02 9° Ω 55'47 9° Ω 44'59 7° Ω 11'08 3° Ω 36'53 2° Ω 22'10 0° ዂ 0° ♀ 0° ዂ 0° ♀ 0° ዂ 0° ♀ 3°≈ 43'06 0° ₩	2.63326 AU -1°25'35 -2.5m
evening set  conjunction minimum elong max. Earth dist. morning rise  desc. node  retrograde opposition greatest brilliancy	14039 Jan 25 08:17 14039 Mar 17 17:45 14039 May 02 02:20 14039 Jun 12 22:05 14039 Jun 19 05:08 14039 Jul 22 10:11 14039 Aug 03 22:12 14039 Oct 06 09:32 14039 Oct 15 02:43 14039 Oct 15 00:23 14039 Nov 13 17:30 14039 Dec 06 18:45 14039 Dec 23 10:14 14039 Dec 23 10:14 14039 Dec 24 17:04 14040 Feb 03 04:12 14040 Mar 18 14:00 14040 Apr 21 07:24 14040 May 05 12:34 14040 Jun 29 03:45 14040 Oct 20 16:18 14040 Oct 21 04:57	0°Y08'25 0°℧ 0°П 0°© 0°Л 4°Л41'01 0°™ 9°™44'42 0°Ω 0°™ 6°™53'01 6°™48'25 0°ズ 17°ズ34'59 0°℧ 0°℧56'54 0°№ 21°¥23'22 0°Y 0°℧ 22°℧18'12 13°℧07'29 12°℧55'08	1°04'00 1°04'32 2.39092 AU -4°45'18 -1.3m	behind sun begin behind sun end max. Earth dist. morning rise retrograde opposition greatest brilliancy min. Earth dist. asc. node direct	14044 Feb 06 13:01 14044 Feb 08 01:06 14044 Feb 08 18:17 14044 Feb 24 19:32 14044 Mar 24 15:39 14044 Mar 26 04:51 14044 May 12 23:01 14044 Jun 30 23:21 14044 Aug 21 01:39 14044 Dec 16 01:15 14045 Jan 17 18:12 14045 Jan 18 07:33 14045 Feb 09 01:39 14045 Feb 22 07:40 14045 May 05 16:04 14045 Jun 18 23:16 14045 Jun 18 23:16 14045 Jun 18 23:16 14045 Oct 22 04:53 14045 Dec 05 10:34 14045 Dec 11 00:54 14046 Jan 20 05:18 14046 Jan 29 08:37	28°≈32'29 29°≈31'47 0° ₩ 10° ₩ 28'50 29° ₩ 00'48 0° Ψ 0° ₩ 0° № 16° № 09'02 9° № 55'47 9° № 44'59 7° № 11'08 3° № 36'53 2° № 22'10 0° № 0° № 0° № 0° № 0° № 0° № 0° № 0°	2.63326 AU -1°25'35 -2.5m
evening set  conjunction minimum elong max. Earth dist. morning rise  desc. node  retrograde opposition greatest brilliancy min. Earth dist.	14039 Jan 25 08:17 14039 Mar 17 17:45 14039 May 02 02:20 14039 Jun 12 22:05 14039 Jun 19 05:08 14039 Jul 22 10:11 14039 Aug 03 22:12 14039 Oct 06 09:32 14039 Oct 15 02:43 14039 Oct 15 00:23 14039 Nov 13 17:30 14039 Dec 06 18:45 14039 Dec 23 10:14 14039 Dec 24 17:04 14040 Feb 03 04:12 14040 Mar 18 14:00 14040 Apr 21 07:24 14040 May 05 12:34 14040 Jun 29 03:45 14040 Oct 20 16:18 14040 Oct 21 04:57 14040 Oct 21 04:57	0°Y08'25 0°℧ 0°Ⅱ 0°© 0°Л 4°Д41'01 0°™ 9°™44'42 0°Ω 0°™ 6°™53'01 6°™48'25 0°ズ 17°ズ34'59 0°℧ 0°℧56'54 0°≈ 0°℧56'54 0°≈ 0°∀ 21°¥23'22 0°Y 0°℧ 22°℧18'12 13°℧07'29 12°℧55'08 11°℧47'07	1°04'00 1°04'32 2.39092 AU -4°45'18 -1.3m	behind sun begin behind sun end max. Earth dist. morning rise retrograde opposition greatest brilliancy min. Earth dist. asc. node direct desc. node	14044 Feb 06 13:01 14044 Feb 08 01:06 14044 Feb 08 18:17 14044 Feb 24 19:32 14044 Mar 24 15:39 14044 Mar 26 04:51 14044 May 12 23:01 14044 Jun 30 23:21 14044 Oct 17 17:17 14044 Dec 16 01:15 14045 Jan 17 18:12 14045 Jan 18 07:33 14045 Feb 09 01:39 14045 Feb 22 07:40 14045 May 05 16:04 14045 Jun 18 23:16 14045 Jun 18 23:16 14045 Jun 18 23:16 14045 Jun 18 23:16 14045 Dec 05 10:34 14045 Dec 05 10:34 14045 Dec 11 00:54 14046 Jan 20 05:18	28°≈32'29 29°≈31'47 0° ₩ 10° ₩ 28'50 29° ₩ 00'48 0° Ψ 0° ₩ 0° Ω 16° Ω 09'02 9° Ω 55'47 9° Ω 44'59 7° Ω 11'08 3° Ω 36'53 2° Ω 22'10 0° ዂ 0° ♀ 0° ዂ 0° ♀ 0° ዂ 0° ♀ 3°≈ 43'06 0° ₩	2.63326 AU -1°25'35 -2.5m
evening set  conjunction minimum elong max. Earth dist. morning rise  desc. node  retrograde opposition greatest brilliancy	14039 Jan 25 08:17 14039 Mar 17 17:45 14039 May 02 02:20 14039 Jun 12 22:05 14039 Jun 19 05:08 14039 Jul 22 10:11 14039 Aug 03 22:12 14039 Oct 06 09:32 14039 Oct 15 02:43 14039 Oct 15 00:23 14039 Nov 13 17:30 14039 Dec 06 18:45 14039 Dec 23 10:14 14039 Dec 24 17:04 14040 Feb 03 04:12 14040 Mar 18 14:00 14040 Apr 21 07:24 14040 May 05 12:34 14040 Jun 29 03:45 14040 Oct 20 16:18 14040 Oct 21 04:57 14040 Oct 24 02:33 14040 Dec 01 05:43	0°Y08'25 0°℧ 0°Ⅱ 0°ሜ 0°Л 4°Д41'01 0°™ 9°™44'42 0°Ω 0°™ 6°™53'01 6°™48'25 0°ズ 17°ズ34'59 0°℧ 0°℧56'54 0°≈ 0°℧56'54 0°≈ 0°∀ 21°¥23'22 0°Y 0°℧ 22°℧18'12 13°℧07'29 12°℧55'08 11°℧47'07 3°℧04'50	1°04'00 1°04'32 2.39092 AU -4°45'18 -1.3m	behind sun begin behind sun end max. Earth dist. morning rise retrograde opposition greatest brilliancy min. Earth dist. asc. node direct desc. node evening set	14044 Feb 06 13:01 14044 Feb 08 01:06 14044 Feb 08 18:17 14044 Feb 24 19:32 14044 Mar 24 15:39 14044 Mar 26 04:51 14044 May 12 23:01 14044 Jun 30 23:21 14044 Aug 21 01:39 14044 Oct 17 17:17 14044 Dec 16 01:15 14045 Jan 17 18:12 14045 Jan 18 07:33 14045 Feb 09 01:39 14045 Feb 22 07:40 14045 May 05 16:04 14045 Jun 18 23:16 14045 Jul 30 06:12 14045 Sep 09 14:36 14045 Dec 11 00:54 14045 Dec 11 00:54 14046 Jan 20 05:18 14046 Jan 29 08:37 14046 Mar 08 01:47	28°≈32'29 29°≈31'47 0° ₩ 10° ₩ 28'50 29° ₩ 00'48 0° Ψ 0° ₩ 0° № 16° № 09'02 9° № 55'47 9° № 44'59 7° № 11'08 3° № 36'53 2° № 22'10 0° № 0° № 0° № 0° № 0° № 0° № 0° № 0°	2.63326 AU -1°25'35 -2.5m 0.43881 AU
evening set  conjunction minimum elong max. Earth dist. morning rise  desc. node  retrograde opposition greatest brilliancy min. Earth dist.	14039 Jan 25 08:17 14039 Mar 17 17:45 14039 May 02 02:20 14039 Jun 12 22:05 14039 Jun 19 05:08 14039 Jul 22 10:11 14039 Aug 03 22:12 14039 Oct 06 09:32 14039 Oct 15 02:43 14039 Oct 15 00:23 14039 Nov 13 17:30 14039 Dec 06 18:45 14039 Dec 23 10:14 14039 Dec 24 17:04 14040 Feb 03 04:12 14040 Mar 18 14:00 14040 Apr 21 07:24 14040 May 05 12:34 14040 Jun 29 03:45 14040 Oct 20 16:18 14040 Oct 21 04:57 14040 Oct 21 04:57 14040 Oct 24 02:33 14040 Dec 01 05:43 14041 Feb 19 05:33	0°Y08'25 0°Y08'25 0°Y08'25 0°Y0 0°N 0°N 4°N41'01 0°M 9°M44'42 0°Ω 0°M 6°M53'01 6°M48'25 0°X 17°X34'59 0°S 0°S56'54 0°≈ 0°H 21°H23'22 0°Y 0°S 22°S18'12 13°S07'29 12°S55'08 11°S47'07 3°S04'50 0°П	1°04'00 1°04'32 2.39092 AU -4°45'18 -1.3m	behind sun begin behind sun end max. Earth dist. morning rise retrograde opposition greatest brilliancy min. Earth dist. asc. node direct desc. node evening set conjunction	14044 Feb 06 13:01 14044 Feb 08 01:06 14044 Feb 08 18:17 14044 Feb 24 19:32 14044 Mar 24 15:39 14044 Mar 26 04:51 14044 May 12 23:01 14044 Jun 30 23:21 14044 Aug 21 01:39 14044 Oct 17 17:17 14044 Dec 16 01:15 14045 Jan 17 18:12 14045 Jan 18 07:33 14045 Feb 09 01:39 14045 Feb 22 07:40 14045 May 05 16:04 14045 Jun 18 23:16 14045 Jun 18 23:16 14045 Jun 18 23:16 14045 Jun 30 06:12 14045 Sep 09 14:36 14045 Dec 11 00:54 14045 Dec 05 10:34 14046 Jan 20 05:18 14046 Jan 29 08:37 14046 Mar 15 19:17	28°≈32'29 29°≈31'47 0° ₩ 10° ₩ 28'50 29° ₩ 00'48 0° Ψ 0° ₩ 0° Ω 16° Ω 09'02 9° Ω 55'47 9° Ω 44'59 7° Ω 11'08 3° Ω 36'53 2° Ω 22'10 0° № 0° № 0° № 0° № 0° № 0° № 0° № 0°	2.63326 AU -1°25'35 -2.5m 0.43881 AU
evening set  conjunction minimum elong max. Earth dist. morning rise  desc. node  retrograde opposition greatest brilliancy min. Earth dist.	14039 Jan 25 08:17 14039 Mar 17 17:45 14039 May 02 02:20 14039 Jun 12 22:05 14039 Jun 19 05:08 14039 Jul 22 10:11 14039 Aug 03 22:12 14039 Oct 06 09:32 14039 Oct 15 02:43 14039 Oct 15 00:23 14039 Nov 13 17:30 14039 Dec 06 18:45 14039 Dec 23 10:14 14039 Dec 24 17:04 14040 Feb 03 04:12 14040 Mar 18 14:00 14040 Apr 21 07:24 14040 May 05 12:34 14040 Jun 29 03:45 14040 Oct 20 16:18 14040 Oct 21 04:57 14040 Oct 24 02:33 14040 Dec 01 05:43	0°Y08'25 0°℧ 0°Ⅱ 0°ሜ 0°Л 4°Д41'01 0°™ 9°™44'42 0°Ω 0°™ 6°™53'01 6°™48'25 0°ズ 17°ズ34'59 0°℧ 0°℧56'54 0°≈ 0°℧56'54 0°≈ 0°∀ 21°¥23'22 0°Y 0°℧ 22°℧18'12 13°℧07'29 12°℧55'08 11°℧47'07 3°℧04'50	1°04'00 1°04'32 2.39092 AU -4°45'18 -1.3m	behind sun begin behind sun end max. Earth dist. morning rise retrograde opposition greatest brilliancy min. Earth dist. asc. node direct desc. node evening set	14044 Feb 06 13:01 14044 Feb 08 01:06 14044 Feb 08 18:17 14044 Feb 24 19:32 14044 Mar 24 15:39 14044 Mar 26 04:51 14044 May 12 23:01 14044 Jun 30 23:21 14044 Aug 21 01:39 14044 Oct 17 17:17 14044 Dec 16 01:15 14045 Jan 17 18:12 14045 Jan 18 07:33 14045 Feb 09 01:39 14045 Feb 22 07:40 14045 May 05 16:04 14045 Jun 18 23:16 14045 Jul 30 06:12 14045 Sep 09 14:36 14045 Dec 11 00:54 14045 Dec 11 00:54 14046 Jan 20 05:18 14046 Jan 29 08:37 14046 Mar 08 01:47	28°≈32'29 29°≈31'47 0° ₩ 10° ₩ 28'50 29° ₩ 00'48 0° Ψ 0° ₩ 0° Ω 16° Ω 09'02 9° Ω 55'47 9° Ω 44'59 7° Ω 11'08 3° Ω 36'53 2° Ω 22'10 0° № 0° № 0° № 0° № 0° № 0° № 0° № 0°	2.63326 AU -1°25'35 -2.5m 0.43881 AU

	14046 Apr 24 09:29	0°8		retrograde	14051 Jun 21 09:15	1° <b>)</b> €07'12	
morning rise	14046 Apr 28 02:41	2° <b>8</b> 21'17		Č	14051 Jul 03 23:00	30° <b>R</b> ≈	
	14046 Jun 10 15:52	$\Pi^{\circ}0$		min. Earth dist.	14051 Jul 25 15:18	23° <b>≈</b> 26′28	0.60079 AU
	14046 Jul 27 14:10	$0$ $\circ$ $\odot$		opposition	14051 Jul 31 07:17	21° <b>≈</b> 12'59	0°09'33
	14046 Sep 12 04:45	$0^{\circ}\Omega$		greatest brilliancy	14051 Jul 31 06:38	21° <b>≈</b> 13'37	-1.7m
	14046 Oct 28 21:42	0° <b>m</b> )		desc. node	14051 Aug 04 01:19	19° <b>≈</b> 45'51	
	14046 Dec 16 12:59	0∘ <b>亚</b>		direct	14051 Sep 07 01:32	12° <b>≈</b> 34'41	
asc. node	14046 Dec 28 07:01	6° <b>≏</b> 41'21			14051 Nov 09 17:59	0° <b>∀</b>	
	14047 Feb 27 05:36	0°M₊			14052 Jan 07 03:09	$0^{\circ}$ Y	
retrograde	14047 Mar 06 23:39	0° <b>M</b> 24'39			14052 Feb 27 00:46	0°8	
	14047 Mar 14 17:09	30° <b>₹</b> Ω			14052 Apr 14 06:44	0°II	
min. Earth dist.	14047 Apr 03 15:30	25° <b>£</b> 55'21	0.36564 AU	evening set	14052 May 18 07:57	22° <b>∏</b> 51′21	
opposition	14047 Apr 05 22:49	25° <b>₽</b> 18'19	6°24'02	n at it a	14052 May 28 15:56	0°©	2 40000 444
greatest brilliancy direct	14047 Apr 05 08:53 14047 May 05 01:17	25° <b>Ω</b> 27'40 20° <b>Ω</b> 28'37	-3.0m	max. Earth dist.	14052 Jun 01 20:11	2°954'56	2.49988 AU
direct	14047 May 03 01.17 14047 Jun 14 12:43	20 <u>==</u> 2837 0°M		conjunction	14052 Jul 09 00:15	29° <b>©</b> 33'34	0°26'52
	14047 Aug 09 22:21	0° <b>⊼</b> ¹		minimum elong	14052 Jul 09 01:50	29° <b>©</b> 36'27	
	14047 Sep 27 10:58	0°ਤ		minimum ciong	14052 Jul 09 14:40	0°Ω	0 27 30
desc. node	14047 Oct 29 04:12	19° <b>る</b> 58'32		asc. node	14052 Aug 18 06:45	29° <b>Ω</b> 45'25	
dese. node	14047 Nov 14 02:15	0° <b>≈</b>		use. Houe	14052 Aug 18 14:23	0° m)	
	14047 Dec 31 22:03	0° <b>)</b> €		morning rise	14052 Sep 07 15:29	15° <b>m</b> ) 27'43	
	14048 Feb 17 20:10	$0^{\circ}$ $\Upsilon$		C	14052 Sep 26 06:11	0∘ <del>⊽</del>	
evening set	14048 Mar 05 18:21	10° <b>Ƴ</b> 38′08			14052 Nov 03 08:17	$0^{\circ}$ M	
	14048 Apr 05 08:53	$0^{\circ}B$			14052 Dec 11 17:56	0° <b>∡</b> ¹	
max. Earth dist.	14048 Apr 08 23:39	2° <b>8</b> 18'08	2.67363 AU		14053 Jan 20 11:06	5°0	
					14053 Mar 03 16:30	0°≈	
conjunction	14048 Apr 18 13:05	8° <b>8</b> 24'24			14053 Apr 19 12:03	0° <b>∀</b>	
minimum elong	14048 Apr 18 12:31	8° <b>8</b> 23'30	1°10'10		14053 Jun 19 07:55	0° <b>Υ</b>	
	14048 May 21 23:26	0°II		desc. node	14053 Jun 21 05:18	0° <b>Ƴ</b> 39'09	
morning rise	14048 Jun 01 04:34	6° <b>Ⅱ</b> 41'03		retrograde	14053 Jul 25 20:04	7° <b>Υ</b> 06'46	
	14048 Jul 06 06:40	$0$ ಂ $\Omega$		i D4h Ji.4	14053 Aug 28 10:23	30° <b>₹</b> ₩	0.67274.411
	14048 Aug 19 02:38 14048 Sep 30 11:34	0° <b>m</b> y		min. Earth dist. opposition	14053 Sep 02 15:35 14053 Sep 04 14:37	27° <b>)</b> 57'41 27° <b>)</b> 11'00	
	14048 Nov 10 16:05	0∘ <del>ত</del> اللا		greatest brilliancy	14053 Sep 04 14.57 14053 Sep 04 08:50	27° <b>)</b> (11'00'	
asc. node	14048 Nov 14 03:47	ა <b>_</b> 2° <b>_</b> 34'03		direct	14053 Oct 15 00:36	17° <b>)</b> 38'02	-1.5111
use. Houe	14048 Dec 21 09:39	0°ML		uncet	14053 Dec 06 03:28	0°Υ	
	14049 Feb 01 10:43	0° <b>∡</b> ¹			14054 Feb 04 05:12	0°8	
	14049 Mar 22 16:35	0°ರ			14054 Mar 25 16:32	$\Pi^{\circ}0$	
retrograde	14049 May 09 07:23	13° <b>る</b> 39'48			14054 May 09 13:22	$0$ $\circ$ $\odot$	
min. Earth dist.	14049 Jun 06 14:38	8° <b>ප</b> 05'41	0.47316 AU		14054 Jun 20 07:40	$0^{\circ}\Omega$	
opposition	14049 Jun 14 22:28	5° <b>る</b> 07'40	4°23'50	asc. node	14054 Jul 05 21:18	11° <b>Ω</b> 38′27	
greatest brilliancy	14049 Jun 13 16:39	5° <b>る</b> 34'24	-2.3m	evening set	14054 Jul 08 16:33	13° <b>Ω</b> 45'32	
	14049 Jul 01 22:00	30°R. <b>✓</b>			14054 Jul 29 21:30	0° <b>™</b>	
direct	14049 Jul 18 08:06	28° <b>∡</b> 11'51		max. Earth dist.	14054 Aug 15 17:04	13° <b>m</b> 05'47	2.36768 AU
	14049 Aug 04 14:32	0°る			14054 Sep 06 03:48	0∘ <b>⊽</b>	
desc. node	14049 Sep 15 14:59	14° <b>る</b> 35'04		:	14054 9 12 10:00	50 <b>0</b> 4510 1	0945124
	14049 Oct 16 18:10 14049 Dec 09 08:53	0° <b>≈</b> 0° <b>∀</b>		conjunction minimum elong	14054 Sep 13 10:09 14054 Sep 13 06:11	5° <b>£</b> 45'21 5° <b>£</b> 37'28	0°45'34 0°45'31
	14049 Dec 09 08.33 14050 Jan 28 17:40	0° <b>Υ</b>		minimum ciong	14054 Oct 13 23:46	0°M	0 43 31
	14050 Mar 18 04:33	0°8			14054 Nov 21 06:48	0° <b>⊼</b> ¹	
evening set	14050 Apr 10 02:34	14° <b>8</b> 36'15		morning rise	14054 Nov 26 23:49	4° <b>∡</b> ¹24'02	
max. Earth dist.	14050 May 03 01:32		2.61173 AU	morning 115¢	14054 Dec 30 21:31	0°る	
	14050 May 03 18:20	0°II			14055 Feb 10 14:41	0° <b>≈</b>	
	,				14055 Mar 27 05:58	0° <b>∀</b>	
conjunction	14050 May 25 10:07	14° <b>Ⅱ</b> 24'30	-1°05'44	desc. node	14055 May 09 01:26	26° <b>)</b> €22'43	
minimum elong	14050 May 25 11:05	14° <b>Ⅱ</b> 26′08	1°06'42		14055 May 15 07:52	0° <b>Υ</b>	
	14050 Jun 17 07:53	0°€			14055 Jul 15 06:39	$9^{\circ}$ 8	
morning rise	14050 Jul 12 12:12	17° <b>©</b> 34'43		retrograde	14055 Aug 29 00:03	9° <b>8</b> 40'57	
	14050 Jul 29 21:44	$0^{\circ}\Omega$		opposition	14055 Oct 08 05:52	0° <b>8</b> 13'13	
_	14050 Sep 08 16:46	0° Mp		greatest brilliancy	14055 Oct 08 11:32	0° <b>8</b> 07'38	-1.3m
asc. node	14050 Oct 01 18:31	17° Mp 27'12			14055 Oct 08 19:18	30°₹ <b>Υ</b>	0.00011 :=:
	14050 Oct 18 03:20	0∘ <b>w</b>		min. Earth dist.	14055 Oct 10 03:24	29°Y28'25	0.68041 AU
	14050 Nov 25 21:28	0°M 0°. <b>7</b>		direct	14055 Nov 18 18:51	20° <b>Y</b> 13'37	
	14051 Jan 03 22:35 14051 Feb 13 17:15	0°⋜			14056 Jan 02 10:34 14056 Mar 01 23:36	0° <b>H</b>	
	14051 Feb 13 17:15	0°≈			14056 Mar 01 23:36 14056 Apr 18 00:02	0. 0.П	
	14051 Mai 31 00.19	0 <b>≈</b> 0° <b>∺</b>		asc. node	14056 May 22 21:13	24° <b>©</b> 35'02	
	11051 3411 00 07.55	· /\		400. HOGO	1 1000 May 22 21.15	233.02	

	14056 May 30 06:34 14056 Jul 08 20:27	0° <b>Ω</b>		minimum elong	14061 Mar 01 19:17	21° <b>)</b> 42′51 27° <b>)</b> 69′34	
	14056 Aug 16 00:39	0 <b>்⊽</b> 0° <b>™</b>		max. Earth dist.	14061 Mar 10 07:44 14061 Mar 14 18:39	2/°π0934 0° <b>Υ</b>	2.66895 AU
evening set	14056 Sep 19 17:07	ა <b>_</b> 27° <b>ჲ</b> 30'27		morning rise	14061 Apr 14 22:12	19° <b>Y</b> 45′02	
	14056 Sep 22 20:50	0° <b>M</b> ,			14061 May 01 04:16	0°8	
greatest brilliancy	14056 Oct 10 04:12	13°MJ36'03	1.1m		14061 Jun 17 22:33	0°II	
	14056 Oct 31 07:53	0° <b>∡</b> ¹			14061 Aug 04 23:43	0°€	
					14061 Sep 22 19:33	$0^{\circ}\Omega$	
conjunction	14056 Nov 28 11:30	21° <b>∡</b> 18'54	0°59'13		14061 Nov 13 12:31	0° <b>m</b>	
minimum elong	14056 Nov 28 13:53	21° <b>×</b> 723'19	1°00'14	asc. node	14062 Jan 13 20:23	25° <b>m</b> 59'02	
	14056 Dec 10 05:04	0°ਰ		retrograde	14062 Feb 01 21:16	28° Mp 12'57	
max. Earth dist.	14057 Jan 13 05:02		2.47896 AU	opposition	14062 Mar 03 15:47	23° m 15'57	
	14057 Jan 21 02:20	0° <b>≈</b> 4° <b>≈</b> 23'22		greatest brilliancy	14062 Mar 04 00:29		-3.0m
morning rise	14057 Jan 27 10:01 14057 Mar 06 08:25	4°≈23°22 0° <b>∺</b>		min. Earth dist. direct	14062 Mar 07 03:30 14062 Apr 03 05:26	22° Mp 19'03 17° Mp 54'32	0.37203 AU
desc. node	14057 Mar 25 13:23	12° <b>¥</b> 30'13		uncer	14062 May 18 05:48	17 My 3∓ 32 0° <b>Ω</b>	
dese. node	14057 Apr 22 06:44	0° <b>Υ</b>			14062 Jul 09 03:13	0°M	
	14057 Jun 11 20:24	0°8			14062 Aug 23 14:12	0° <b>∡</b> 7	
	14057 Aug 10 09:15	0°II			14062 Oct 07 14:51	0°ರ	
retrograde	14057 Oct 04 19:25	13° <b>Ⅱ</b> 45'33		desc. node	14062 Nov 14 16:32	24°る57'20	
opposition	14057 Nov 12 04:11	5° <b>Ⅱ</b> 09'02	-4°55'41		14062 Nov 22 11:16	0° <b>≈</b>	
greatest brilliancy	14057 Nov 13 04:04	4° <b>Ⅱ</b> 46′06	-1.5m		14063 Jan 08 06:46	0° <b>)</b>	
min. Earth dist.	14057 Nov 17 22:02		0.61894 AU	evening set	14063 Feb 20 23:40	27° <b>)</b> 40′10	
	14057 Nov 26 03:08	30° <b>₹</b> 8			14063 Feb 24 16:12	0° <b>Υ</b>	
direct	14057 Dec 23 05:18	25° <b>8</b> 13'22		max. Earth dist.	14063 Apr 01 12:41	22° <b>Ƴ</b> 40'48	2.68303 AU
	14058 Jan 21 02:26	0°II			14062 4 06 01 11	2500022154	1002150
aga mada	14058 Mar 23 20:47	0°ഇ 10° <b>ഇ</b> 59'33		conjunction	14063 Apr 06 01:11	25° <b>Y</b> 32'54 25° <b>Y</b> 31'24	
asc. node	14058 Apr 10 04:11 14058 May 07 20:47	0°Ω		minimum elong	14063 Apr 06 00:14 14063 Apr 13 01:17	0° <b>8</b>	1 04 21
	14058 Jun 17 08:01	0° <b>m</b> )		morning rise	14063 Apr 13 01:17	23° <b>8</b> 06'42	
	14058 Jul 25 22:32	0∘ <b>⊽</b>		morning risc	14063 May 29 20:08	0°II	
	14058 Sep 02 04:22	0° <b>™</b>			14063 Jul 14 15:28	0 . ಪ	
	14058 Oct 11 03:38	0° <b>∡</b> ¹			14063 Aug 28 07:02	$0^{\circ}\Omega$	
	14058 Nov 20 15:22	ರ°0			14063 Oct 10 18:38	0° <b>m</b>	
evening set	14058 Nov 27 19:27	5° <b>ට</b> 10'14			14063 Nov 22 10:03	0∘ <b>⊽</b>	
	14059 Jan 02 02:16	0° <b>≈</b>		asc. node	14063 Dec 01 22:07	6° <b>≏</b> 42'34	
					14064 Jan 04 07:56	0°M	
conjunction	14059 Jan 21 16:18	13° <b>≈</b> 21'51	0°11'15	_	14064 Feb 20 15:38	0° <b>∡</b> 7	
minimum elong	14059 Jan 21 16:52 14059 Jan 21 02:45	13°≈22'48	0°12'05	retrograde	14064 Apr 17 22:01	18° <b>∡</b> 58'25	
behind sun begin	14059 Jan 71 07:45					1.40 7.1010.5	
behind sun end		12°≈58'59		min. Earth dist.	14064 May 14 02:22	14° <b>х</b> 18′05	0.41925 AU
	14059 Jan 22 06:58	13° <b>≈</b> 46′36		greatest brilliancy	14064 May 20 11:52	12° <b>҂</b> 14′52	-2.6m
desc. node	14059 Jan 22 06:58 14059 Feb 09 23:11	13°≈46'36 26°≈16'01	2 59961 AU	greatest brilliancy opposition	14064 May 20 11:52 14064 May 22 02:26	12° <b>х</b> 14′52 11° <b>х</b> 43′36	
	14059 Jan 22 06:58 14059 Feb 09 23:11 14059 Feb 15 00:02	13°≈46'36 26°≈16'01 29°≈35'43	2.59961 AU	greatest brilliancy	14064 May 20 11:52 14064 May 22 02:26 14064 Jun 22 08:14	12° <b>х</b> 14'52 11° <b>х</b> 43'36 5° <b>х</b> 46'03	-2.6m
desc. node max. Earth dist.	14059 Jan 22 06:58 14059 Feb 09 23:11	13°≈46'36 26°≈16'01	2.59961 AU	greatest brilliancy opposition	14064 May 20 11:52 14064 May 22 02:26	12° <b>х</b> 14′52 11° <b>х</b> 43′36	-2.6m
desc. node	14059 Jan 22 06:58 14059 Feb 09 23:11 14059 Feb 15 00:02 14059 Feb 15 14:46	13°≈46'36 26°≈16'01 29°≈35'43 0°¥	2.59961 AU	greatest brilliancy opposition direct	14064 May 20 11:52 14064 May 22 02:26 14064 Jun 22 08:14 14064 Sep 04 09:19	12° <b>メ</b> 14'52 11° <b>メ</b> 43'36 5° <b>メ</b> 46'03 0° <b>云</b>	-2.6m
desc. node max. Earth dist.	14059 Jan 22 06:58 14059 Feb 09 23:11 14059 Feb 15 00:02 14059 Feb 15 14:46 14059 Mar 11 09:26	13°≈46'36 26°≈16'01 29°≈35'43 0°¥ 15°¥30'41	2.59961 AU	greatest brilliancy opposition direct	14064 May 20 11:52 14064 May 22 02:26 14064 Jun 22 08:14 14064 Sep 04 09:19 14064 Oct 02 00:04	12° 🖈 14'52 11° 🖈 43'36 5° 🖈 46'03 0° さ 14° さ52'29	-2.6m
desc. node max. Earth dist.	14059 Jan 22 06:58 14059 Feb 09 23:11 14059 Feb 15 00:02 14059 Feb 15 14:46 14059 Mar 11 09:26 14059 Apr 03 00:48	13°≈46'36 26°≈16'01 29°≈35'43 0° ℋ 15° ℋ30'41 0° ♈ 0° ♉ 0° Ⅲ	2.59961 AU	greatest brilliancy opposition direct	14064 May 20 11:52 14064 May 22 02:26 14064 Jun 22 08:14 14064 Sep 04 09:19 14064 Oct 02 00:04 14064 Oct 28 10:15	12° ₹14'52 11° ₹43'36 5° ₹46'03 0° ₹ 14° ₹52'29 0° ≈ 0° ¥ 0° Υ	-2.6m
desc. node max. Earth dist. morning rise	14059 Jan 22 06:58 14059 Feb 09 23:11 14059 Feb 15 00:02 14059 Feb 15 14:46 14059 Mar 11 09:26 14059 Apr 03 00:48 14059 May 21 04:41	13°≈46'36 26°≈16'01 29°≈35'43 0° ¥ 15° ¥30'41 0° ¥ 0° ¥ 0° Ⅱ 0° ■	2.59961 AU	greatest brilliancy opposition direct desc. node	14064 May 20 11:52 14064 May 22 02:26 14064 Jun 22 08:14 14064 Sep 04 09:19 14064 Oct 02 00:04 14064 Oct 28 10:15 14064 Dec 17 20:57	12° ₹14'52 11° ₹43'36 5° ₹46'03 0° ₹ 14° ₹52'29 0° ≈ 0° 升 0° Υ 0° Υ	-2.6m
desc. node max. Earth dist. morning rise retrograde	14059 Jan 22 06:58 14059 Feb 09 23:11 14059 Feb 15 00:02 14059 Feb 15 14:46 14059 Mar 11 09:26 14059 Apr 03 00:48 14059 May 21 04:41 14059 Jul 10 11:36 14059 Sep 03 10:18 14059 Nov 22 08:41	13°≈46'36 26°≈16'01 29°≈35'43 0° ¥ 15° ¥30'41 0° Y 0° B 0° II 0° S 25° S31'47		greatest brilliancy opposition direct desc. node	14064 May 20 11:52 14064 May 22 02:26 14064 Jun 22 08:14 14064 Sep 04 09:19 14064 Oct 02 00:04 14064 Oct 28 10:15 14064 Dec 17 20:57 14065 Feb 05 00:35 14065 Mar 25 00:27	12° 🖈 14'52 11° 🖈 43'36 5° 🖈 46'03 0° 云 14° 云 52'29 0° ※ 0° 升 0° Y 0° Y 0° 엉 1° 엉 22'45	-2.6m 6°07'34
desc. node max. Earth dist. morning rise retrograde opposition	14059 Jan 22 06:58 14059 Feb 09 23:11 14059 Feb 15 00:02 14059 Feb 15 14:46 14059 Mar 11 09:26 14059 Apr 03 00:48 14059 May 21 04:41 14059 Jul 10 11:36 14059 Sep 03 10:18 14059 Nov 22 08:41 14059 Dec 27 03:08	13°≈46'36 26°≈16'01 29°≈35'43 0° ℋ 15° ℋ30'41 0° ♈ 0° ௧ 0° Ո 0° ₤ 25° ₤31'47	-3°18'11	greatest brilliancy opposition direct desc. node	14064 May 20 11:52 14064 May 22 02:26 14064 Jun 22 08:14 14064 Sep 04 09:19 14064 Oct 02 00:04 14064 Oct 28 10:15 14064 Dec 17 20:57 14065 Feb 05 00:35 14065 Mar 25 00:27	12° 🖈 14'52 11° 🖈 43'36 5° 🖈 46'03 0° 云 14° 云 52'29 0° ※ 0° 升 0° Y 0° Y 0° 엉 1° 엉 22'45	-2.6m
desc. node max. Earth dist. morning rise  retrograde opposition greatest brilliancy	14059 Jan 22 06:58 14059 Feb 09 23:11 14059 Feb 15 00:02 14059 Feb 15 14:46 14059 Mar 11 09:26 14059 Apr 03 00:48 14059 May 21 04:41 14059 Jul 10 11:36 14059 Sep 03 10:18 14059 Nov 22 08:41 14059 Dec 27 03:08 14059 Dec 28 07:06	13°≈46'36 26°≈16'01 29°≈35'43 0° ℋ 15° ℋ30'41 0° ♈ 0° ♉ 0° Ⅲ 0° ☜ 25° ☞31'47 18° ☞25'58 18° ℱ01'20	-3°18'11 -2.2m	greatest brilliancy opposition direct desc. node evening set max. Earth dist.	14064 May 20 11:52 14064 May 22 02:26 14064 Jun 22 08:14 14064 Sep 04 09:19 14064 Oct 02 00:04 14064 Oct 28 10:15 14064 Dec 17 20:57 14065 Feb 05 00:35 14065 Mar 25 00:27 14065 Mar 27 04:36 14065 Apr 23 06:16	12° 🖈 14'52 11° 🖈 43'36 5° 🖈 46'03 0° 云 14° 云 52'29 0° ※ 0° 光 0° Ƴ 0° Ƴ 1° ℧ 22'45 18° ℧ 43'53	-2.6m 6°07'34 2.64223 AU
desc. node max. Earth dist. morning rise  retrograde opposition greatest brilliancy min. Earth dist.	14059 Jan 22 06:58 14059 Feb 09 23:11 14059 Feb 15 00:02 14059 Feb 15 14:46 14059 Mar 11 09:26 14059 Apr 03 00:48 14059 May 21 04:41 14059 Jul 10 11:36 14059 Sep 03 10:18 14059 Nov 22 08:41 14059 Dec 27 03:08 14059 Dec 28 07:06 14060 Jan 04 19:18	13°≈46'36 26°≈16'01 29°≈35'43 0° ℋ 15° ℋ30'41 0° ♈ 0° ੴ 0° Ⅲ 0° ☞ 25° © 31'47 18° © 25'58 18° © 01'20 15° © 23'52	-3°18'11	greatest brilliancy opposition direct desc. node evening set max. Earth dist. conjunction	14064 May 20 11:52 14064 May 22 02:26 14064 Jun 22 08:14 14064 Sep 04 09:19 14064 Oct 02 00:04 14064 Oct 28 10:15 14064 Dec 17 20:57 14065 Feb 05 00:35 14065 Mar 25 00:27 14065 Mar 27 04:36 14065 Apr 23 06:16	12° 🖈 14'52 11° 🖈 43'36 5° 🖈 46'03 0° 云 14° 云 52'29 0° ※ 0° 光 0° ソ 0° と 1° と 22'45 18° と 43'53	-2.6m 6°07'34 2.64223 AU -1°10'45
desc. node max. Earth dist. morning rise  retrograde opposition greatest brilliancy min. Earth dist. direct	14059 Jan 22 06:58 14059 Feb 09 23:11 14059 Feb 15 00:02 14059 Feb 15 14:46 14059 Mar 11 09:26 14059 Apr 03 00:48 14059 May 21 04:41 14059 Jul 10 11:36 14059 Sep 03 10:18 14059 Dec 27 03:08 14059 Dec 28 07:06 14060 Jan 04 19:18 14060 Feb 03 02:19	13°≈46'36 26°≈16'01 29°≈35'43 0° ℋ 15° ℋ30'41 0° ♈ 0° ♉ 0° Ⅲ 0° ໑ 25° ໑31'47 18° ໑25'58 18° ໑01'20 15° ໑23'52 9° ໑44'35	-3°18'11 -2.2m	greatest brilliancy opposition direct desc. node evening set max. Earth dist.	14064 May 20 11:52 14064 May 22 02:26 14064 Jun 22 08:14 14064 Sep 04 09:19 14064 Oct 02 00:04 14064 Oct 28 10:15 14064 Dec 17 20:57 14065 Feb 05 00:35 14065 Mar 25 00:27 14065 Mar 27 04:36 14065 Apr 23 06:16	12° 🖈 14'52 11° 🖈 43'36 5° 🖈 46'03 0° 🛪 14° 🛪 552'29 0° ※ 0° )	-2.6m 6°07'34 2.64223 AU -1°10'45
desc. node max. Earth dist. morning rise  retrograde opposition greatest brilliancy min. Earth dist.	14059 Jan 22 06:58 14059 Feb 09 23:11 14059 Feb 15 00:02 14059 Feb 15 14:46 14059 Mar 11 09:26 14059 Apr 03 00:48 14059 May 21 04:41 14059 Jul 10 11:36 14059 Sep 03 10:18 14059 Dec 27 03:08 14059 Dec 28 07:06 14060 Jan 04 19:18 14060 Feb 03 02:19 14060 Feb 26 13:12	13°≈46'36 26°≈16'01 29°≈35'43 0° ℋ 15° ℋ30'41 0° ♈ 0° ♉ 0° Ⅲ 0° ☞ 25° © 31'47 18° © 25'58 18° © 01'20 15° © 23'52 9° © 44'35 13° © 19'28	-3°18'11 -2.2m	greatest brilliancy opposition direct desc. node evening set max. Earth dist. conjunction	14064 May 20 11:52 14064 May 22 02:26 14064 Jun 22 08:14 14064 Sep 04 09:19 14064 Oct 02 00:04 14064 Oct 28 10:15 14064 Dec 17 20:57 14065 Feb 05 00:35 14065 Mar 25 00:27 14065 Mar 27 04:36 14065 May 10 11:43 14065 May 10 11:43 14065 May 10 12:03 14065 May 10 13:06	12° 🖈 14'52 11° 🖈 43'36 5° 🖈 46'03 0° 云 14° 云 52'29 0° ※ 0° 光 0° ソ 0° と 1° と 22'45 18° と 43'53 29° と 57'44 29° と 58'16 0° Ⅱ	-2.6m 6°07'34 2.64223 AU -1°10'45
desc. node max. Earth dist. morning rise  retrograde opposition greatest brilliancy min. Earth dist. direct	14059 Jan 22 06:58 14059 Feb 09 23:11 14059 Feb 15 00:02 14059 Feb 15 14:46 14059 Mar 11 09:26 14059 Apr 03 00:48 14059 May 21 04:41 14059 Jul 10 11:36 14059 Sep 03 10:18 14059 Dec 27 03:08 14059 Dec 28 07:06 14060 Jan 04 19:18 14060 Feb 03 02:19	13°≈46'36 26°≈16'01 29°≈35'43 0° ℋ 15° ℋ30'41 0° ♈ 0° ♉ 0° Ⅲ 0° ☞ 25° © 31'47 18° © 25'58 18° © 01'20 15° © 23'52 9° © 44'35 13° © 19'28 0° Ω	-3°18'11 -2.2m	greatest brilliancy opposition direct desc. node evening set max. Earth dist. conjunction	14064 May 20 11:52 14064 May 22 02:26 14064 Jun 22 08:14 14064 Sep 04 09:19 14064 Oct 02 00:04 14064 Oct 28 10:15 14064 Dec 17 20:57 14065 Feb 05 00:35 14065 Mar 25 00:27 14065 Mar 27 04:36 14065 Apr 23 06:16	12° 🖈 14'52 11° 🖈 43'36 5° 🖈 46'03 0° 🛪 14° 🛪 552'29 0° ※ 0° )	-2.6m 6°07'34 2.64223 AU -1°10'45
desc. node max. Earth dist. morning rise  retrograde opposition greatest brilliancy min. Earth dist. direct	14059 Jan 22 06:58 14059 Feb 09 23:11 14059 Feb 15 00:02 14059 Feb 15 14:46 14059 Mar 11 09:26 14059 Apr 03 00:48 14059 May 21 04:41 14059 Jul 10 11:36 14059 Sep 03 10:18 14059 Dec 27 03:08 14059 Dec 28 07:06 14060 Jan 04 19:18 14060 Feb 03 02:19 14060 Feb 26 13:12 14060 Apr 04 05:32	13°≈46'36 26°≈16'01 29°≈35'43 0° ℋ 15° ℋ30'41 0° ♈ 0° ♉ 0° Ⅲ 0° ☞ 25° © 31'47 18° © 25'58 18° © 01'20 15° © 23'52 9° © 44'35 13° © 19'28	-3°18'11 -2.2m	greatest brilliancy opposition direct desc. node evening set max. Earth dist. conjunction minimum elong	14064 May 20 11:52 14064 May 22 02:26 14064 Jun 22 08:14 14064 Sep 04 09:19 14064 Oct 02 00:04 14064 Oct 28 10:15 14064 Dec 17 20:57 14065 Feb 05 00:35 14065 Mar 25 00:27 14065 Mar 27 04:36 14065 May 10 11:43 14065 May 10 11:43 14065 May 10 12:03 14065 May 10 13:06 14065 Jun 24 08:10	12° ₹14'52 11° ₹43'36 5° ₹46'03 0° ♂ 14° ♂552'29 0° ※ 0° 升 0° Y 0° ϒ 1° ♂22'45 18° ♂43'53 29° ♂57'44 29° ♂58'16 0° Ⅲ 0° ☞	-2.6m 6°07'34 2.64223 AU -1°10'45
desc. node max. Earth dist. morning rise  retrograde opposition greatest brilliancy min. Earth dist. direct	14059 Jan 22 06:58 14059 Feb 09 23:11 14059 Feb 15 00:02 14059 Feb 15 14:46 14059 Mar 11 09:26 14059 May 21 04:41 14059 Jul 10 11:36 14059 Sep 03 10:18 14059 Dec 27 03:08 14059 Dec 28 07:06 14060 Jan 04 19:18 14060 Feb 03 02:19 14060 Feb 26 13:12 14060 May 20 18:17	13°≈46'36 26°≈16'01 29°≈35'43 0° ℋ 15° ℋ30'41 0° ♈ 0° ♉ 0° Ⅲ 0° ☞ 25° © 31'47 18° © 25'58 18° © 01'20 15° © 23'52 9° © 44'35 13° © 19'28 0° ℳ 0° 颁	-3°18'11 -2.2m	greatest brilliancy opposition direct desc. node evening set max. Earth dist. conjunction minimum elong	14064 May 20 11:52 14064 May 22 02:26 14064 Jun 22 08:14 14064 Sep 04 09:19 14064 Oct 02 00:04 14064 Oct 28 10:15 14065 Feb 05 00:35 14065 Mar 25 00:27 14065 Mar 27 04:36 14065 May 10 11:43 14065 May 10 12:03 14065 May 10 13:06 14065 Jun 24 08:10 14065 Jun 25 04:38	12° ₹14'52 11° ₹43'36 5° ₹46'03 0° ♂ 14° ♂552'29 0° ※ 0° 升 0° Y 0° ϒ 1° ♂22'45 18° ♂43'53 29° ♂57'44 29° ♂58'16 0° Ⅲ 0° ⑤ 0° ⑤34'59	-2.6m 6°07'34 2.64223 AU -1°10'45
desc. node max. Earth dist. morning rise  retrograde opposition greatest brilliancy min. Earth dist. direct	14059 Jan 22 06:58 14059 Feb 09 23:11 14059 Feb 15 00:02 14059 Feb 15 14:46 14059 Mar 11 09:26 14059 Mary 21 04:41 14059 Jul 10 11:36 14059 Sep 03 10:18 14059 Dec 27 03:08 14059 Dec 28 07:06 14060 Jan 04 19:18 14060 Feb 03 02:19 14060 Feb 26 13:12 14060 Apr 04 05:32 14060 May 20 18:17 14060 Jun 30 15:41	13°≈46'36 26°≈16'01 29°≈35'43 0° ℋ 15° ℋ30'41 0° ♈ 0° ♉ 0° Ⅲ 0° ໑ 25° ໑31'47 18° ໑25'58 18° ໑01'20 15° ໑23'52 9° ໑44'35 13° ໑19'28 0° ℳ 0° ♍ 0° ┅ 0° ┅	-3°18'11 -2.2m	greatest brilliancy opposition direct desc. node evening set max. Earth dist. conjunction minimum elong	14064 May 20 11:52 14064 May 22 02:26 14064 Jun 22 08:14 14064 Sep 04 09:19 14064 Oct 02 00:04 14064 Oct 28 10:15 14064 Dec 17 20:57 14065 Feb 05 00:35 14065 Mar 25 00:27 14065 Mar 27 04:36 14065 May 10 11:43 14065 May 10 12:03 14065 May 10 12:03 14065 May 10 13:06 14065 Jun 24 08:10 14065 Jun 25 04:38 14065 Aug 06 07:53	12° ₹14'52 11° ₹43'36 5° ₹46'03 0° ₹ 14° ₹552'29 0° ≈ 0° ¥ 0° Y 0° ¥ 1° 822'45 18° 843'53 29° 857'44 29° 858'16 0° Ⅲ 0° \$ 0° \$ 0° \$ 0° \$ 34'59 0° \$	-2.6m 6°07'34 2.64223 AU -1°10'45
desc. node max. Earth dist. morning rise  retrograde opposition greatest brilliancy min. Earth dist. direct	14059 Jan 22 06:58 14059 Feb 09 23:11 14059 Feb 15 00:02 14059 Feb 15 14:46 14059 Mar 11 09:26 14059 Apr 03 00:48 14059 May 21 04:41 14059 Jul 10 11:36 14059 Sep 03 10:18 14059 Dec 27 03:08 14059 Dec 28 07:06 14060 Jan 04 19:18 14060 Feb 03 02:19 14060 Feb 26 13:12 14060 Apr 04 05:32 14060 May 20 18:17 14060 Jun 30 15:41 14060 Aug 09 08:49	13°≈46'36 26°≈16'01 29°≈35'43 0° H 15° H 30'41 0° Y 0° B 0° II 0° © 25° © 31'47 18° © 25'58 18° © 01'20 15° © 23'52 9° © 44'35 13° © 19'28 0° N 0° II	-3°18'11 -2.2m	greatest brilliancy opposition direct desc. node evening set max. Earth dist. conjunction minimum elong morning rise	14064 May 20 11:52 14064 May 22 02:26 14064 Jun 22 08:14 14064 Sep 04 09:19 14064 Oct 02 00:04 14064 Oct 28 10:15 14065 Feb 05 00:35 14065 Mar 25 00:27 14065 Mar 27 04:36 14065 May 10 11:43 14065 May 10 12:03 14065 May 10 12:03 14065 May 10 13:06 14065 Jun 24 08:10 14065 Jun 25 04:38 14065 Aug 06 07:53 14065 Sep 16 14:58	12° ₹14'52 11° ₹43'36 5° ₹46'03 0° ₹ 14° ₹52'29 0° ≈ 0° ¥ 0° ¥ 0° ¥ 1° ₹22'45 18° ₹43'53 29° ₹57'44 29° ₹58'16 0° Ⅲ 0° \$ 0° \$ 0° \$ 0° \$ 0° \$ 0° \$ 0° \$ 0° \$	-2.6m 6°07'34 2.64223 AU -1°10'45
desc. node max. Earth dist. morning rise  retrograde opposition greatest brilliancy min. Earth dist. direct asc. node	14059 Jan 22 06:58 14059 Feb 09 23:11 14059 Feb 15 00:02 14059 Feb 15 14:46 14059 Mar 11 09:26 14059 Apr 03 00:48 14059 May 21 04:41 14059 Jul 10 11:36 14059 Sep 03 10:18 14059 Dec 27 03:08 14059 Dec 28 07:06 14060 Jan 04 19:18 14060 Feb 03 02:19 14060 Feb 26 13:12 14060 Apr 04 05:32 14060 May 20 18:17 14060 Jun 30 15:41 14060 Aug 09 08:49 14060 Sep 18 15:03 14060 Oct 30 08:14 14060 Dec 12 21:08	13°≈46'36 26°≈16'01 29°≈35'43 0° ℋ 15° ℋ30'41 0° ♈ 0° ♉ 0° Ⅲ 0° ☞ 25° © 31'47 18° © 25'58 18° © 01'20 15° © 23'52 9° © 44'35 13° © 19'28 0° ℳ 0° № 0° № 0° № 0° №	-3°18'11 -2.2m	greatest brilliancy opposition direct desc. node evening set max. Earth dist. conjunction minimum elong morning rise	14064 May 20 11:52 14064 May 22 02:26 14064 Jun 22 08:14 14064 Sep 04 09:19 14064 Oct 02 00:04 14064 Oct 28 10:15 14065 Feb 05 00:35 14065 Mar 25 00:27 14065 Mar 27 04:36 14065 May 10 11:43 14065 May 10 12:03 14065 May 10 13:06 14065 Jun 24 08:10 14065 Jun 25 04:38 14065 Aug 06 07:53 14065 Sep 16 14:58 14065 Oct 18 14:00 14065 Oct 26 13:51 14065 Dec 04 20:10	12° ₹14'52 11° ₹43'36 5° ₹46'03 0° ₹ 14° ₹52'29 0° ★ 0° ↑ 0° ↑ 1° ₹22'45 18° ₹353 29° ₹57'44 29° ₹58'16 0° Ⅲ 0° \$ 0° \$ 0° \$ 0° \$ 0° \$ 0° \$ 0° \$ 0° \$	-2.6m 6°07'34 2.64223 AU -1°10'45
desc. node max. Earth dist. morning rise  retrograde opposition greatest brilliancy min. Earth dist. direct asc. node	14059 Jan 22 06:58 14059 Feb 09 23:11 14059 Feb 15 00:02 14059 Feb 15 14:46 14059 Mar 11 09:26 14059 Apr 03 00:48 14059 May 21 04:41 14059 Jul 10 11:36 14059 Sep 03 10:18 14059 Dec 27 03:08 14059 Dec 28 07:06 14060 Jan 04 19:18 14060 Feb 03 02:19 14060 Feb 26 13:12 14060 Apr 04 05:32 14060 May 20 18:17 14060 Jun 30 15:41 14060 Aug 09 08:49 14060 Sep 18 15:03 14060 Oct 30 08:14 14060 Dec 12 21:08 14060 Dec 27 15:34	13°≈46'36 26°≈16'01 29°≈35'43 0° ℋ 15° ℋ30'41 0° ♈ 0° ♉ 0° Ⅲ 0° ☞ 25° ☞31'47 18° ℱ25'58 18° ℱ01'20 15° ℱ23'52 9° ℱ44'35 13° ℱ19'28 0° ℳ 0° শ	-3°18'11 -2.2m	greatest brilliancy opposition direct desc. node evening set max. Earth dist. conjunction minimum elong morning rise	14064 May 20 11:52 14064 May 22 02:26 14064 Jun 22 08:14 14064 Sep 04 09:19 14064 Oct 02 00:04 14064 Oct 28 10:15 14065 Feb 05 00:35 14065 Mar 25 00:27 14065 Mar 27 04:36 14065 May 10 11:43 14065 May 10 12:03 14065 May 10 12:03 14065 Jun 24 08:10 14065 Jun 25 04:38 14065 Aug 06 07:53 14065 Oct 18 14:00 14065 Oct 26 13:51 14065 Dec 04 20:10 14066 Jan 13 11:52	12° ₹14'52 11° ₹43'36 5° ₹46'03 0° ₹ 14° ₹52'29 0° ★ 0° ↑ 0° ↑ 1° ₹22'45 18° ₹43'53 29° ₹55'44 29° ₹58'16 0° Ⅲ 0° \$ 0° \$34'59 0° \$ 0° \$ 23° \$\text{m} 56'11 0° \$ 0° \$\text{m}  0° \$\tex	-2.6m 6°07'34 2.64223 AU -1°10'45
desc. node max. Earth dist. morning rise  retrograde opposition greatest brilliancy min. Earth dist. direct asc. node	14059 Jan 22 06:58 14059 Feb 09 23:11 14059 Feb 15 00:02 14059 Feb 15 14:46 14059 Mar 11 09:26 14059 Apr 03 00:48 14059 May 21 04:41 14059 Jul 10 11:36 14059 Sep 03 10:18 14059 Dec 27 03:08 14059 Dec 27 03:08 14059 Dec 28 07:06 14060 Jan 04 19:18 14060 Feb 03 02:19 14060 Feb 26 13:12 14060 Apr 04 05:32 14060 May 20 18:17 14060 Jun 30 15:41 14060 Aug 09 08:49 14060 Cet 30 08:14 14060 Dec 12 21:08 14060 Dec 27 15:34 14061 Jan 13 18:53	13°≈46'36 26°≈16'01 29°≈35'43 0° H 15° H 30'41 0° Y 0° B 0° II 0° © 25° © 31'47 18° © 25'58 18° © 01'20 15° © 23'52 9° © 44'35 13° © 19'28 0° Ω 0° II 0° Ω 0° II 0° Ω 0° II 0	-3°18'11 -2.2m	greatest brilliancy opposition direct desc. node evening set max. Earth dist. conjunction minimum elong morning rise	14064 May 20 11:52 14064 May 22 02:26 14064 Jun 22 08:14 14064 Sep 04 09:19 14064 Oct 02 00:04 14064 Oct 28 10:15 14065 Feb 05 00:35 14065 Mar 25 00:27 14065 Mar 27 04:36 14065 May 10 11:43 14065 May 10 12:03 14065 May 10 13:06 14065 Jun 24 08:10 14065 Jun 25 04:38 14065 Aug 06 07:53 14065 Sep 16 14:58 14065 Oct 18 14:00 14065 Oct 26 13:51 14065 Dec 04 20:10 14066 Jan 13 11:52 14066 Feb 24 11:35	12° \$\times 14'52 11° \$\times 43'36 5° \$\times 46'03 0° \times 60" \times 60	-2.6m 6°07'34 2.64223 AU -1°10'45
desc. node max. Earth dist. morning rise  retrograde opposition greatest brilliancy min. Earth dist. direct asc. node	14059 Jan 22 06:58 14059 Feb 09 23:11 14059 Feb 15 00:02 14059 Feb 15 14:46 14059 Mar 11 09:26 14059 Apr 03 00:48 14059 May 21 04:41 14059 Jul 10 11:36 14059 Sep 03 10:18 14059 Dec 27 03:08 14059 Dec 28 07:06 14060 Jan 04 19:18 14060 Feb 03 02:19 14060 Feb 26 13:12 14060 Apr 04 05:32 14060 May 20 18:17 14060 Jun 30 15:41 14060 Aug 09 08:49 14060 Sep 18 15:03 14060 Oct 30 08:14 14060 Dec 12 21:08 14060 Dec 27 15:34	13°≈46'36 26°≈16'01 29°≈35'43 0° ℋ 15° ℋ30'41 0° ♈ 0° ♉ 0° Ⅲ 0° ☞ 25° ☞31'47 18° ℱ25'58 18° ℱ01'20 15° ℱ23'52 9° ℱ44'35 13° ℱ19'28 0° ℳ 0° শ	-3°18'11 -2.2m	greatest brilliancy opposition direct desc. node  evening set max. Earth dist. conjunction minimum elong  morning rise asc. node	14064 May 20 11:52 14064 May 22 02:26 14064 Jun 22 08:14 14064 Sep 04 09:19 14064 Oct 02 00:04 14064 Oct 28 10:15 14065 Feb 05 00:35 14065 Mar 25 00:27 14065 Mar 27 04:36 14065 May 10 11:43 14065 May 10 12:03 14065 May 10 12:03 14065 May 10 13:06 14065 Jun 24 08:10 14065 Jun 25 04:38 14065 Aug 06 07:53 14065 Sep 16 14:58 14065 Oct 18 14:00 14065 Oct 26 13:51 14066 Dec 04 20:10 14066 Jan 13 11:52 14066 Feb 24 11:35 14066 Apr 15 10:01	12° \$\times 14'52 11° \$\times 43'36 5° \$\times 46'03 0° \$\times 65'229 0° \$\infty 0° \$\times 6'35'245 18° \$\times 43'53 29° \$\times 55'44 29° \$\times 55'41 0° \$\times 0° \$\times 34'59 0° \$\times 0° \$\times 56'11 0° \$\times 0° \$\times 0° \$\times 0° \$\times 56'11 0° \$\times 0° \$\t	-2.6m 6°07'34 2.64223 AU -1°10'45
desc. node max. Earth dist. morning rise  retrograde opposition greatest brilliancy min. Earth dist. direct asc. node	14059 Jan 22 06:58 14059 Feb 09 23:11 14059 Feb 15 00:02 14059 Feb 15 14:46 14059 Mar 11 09:26 14059 Apr 03 00:48 14059 May 21 04:41 14059 Jul 10 11:36 14059 Sep 03 10:18 14059 Dec 27 03:08 14059 Dec 27 03:08 14059 Dec 28 07:06 14060 Jan 04 19:18 14060 Feb 03 02:19 14060 Feb 26 13:12 14060 Apr 04 05:32 14060 May 20 18:17 14060 Jun 30 15:41 14060 Aug 09 08:49 14060 Cet 30 08:14 14060 Dec 12 21:08 14060 Dec 27 15:34 14061 Jan 13 18:53	13°≈46'36 26°≈16'01 29°≈35'43 0° H 15° H 30'41 0° Y 0° B 0° II 0° © 25° © 31'47 18° © 25'58 18° © 01'20 15° © 23'52 9° © 44'35 13° © 19'28 0° Ω 0° II 0° Ω 0° II 0° Ω 0° II 0	-3°18'11 -2.2m 0.49563 AU	greatest brilliancy opposition direct desc. node evening set max. Earth dist. conjunction minimum elong morning rise	14064 May 20 11:52 14064 May 22 02:26 14064 Jun 22 08:14 14064 Sep 04 09:19 14064 Oct 02 00:04 14064 Oct 28 10:15 14065 Feb 05 00:35 14065 Mar 25 00:27 14065 Mar 27 04:36 14065 May 10 11:43 14065 May 10 12:03 14065 May 10 13:06 14065 Jun 24 08:10 14065 Jun 25 04:38 14065 Aug 06 07:53 14065 Sep 16 14:58 14065 Oct 18 14:00 14065 Oct 26 13:51 14065 Dec 04 20:10 14066 Jan 13 11:52 14066 Feb 24 11:35	12° \$\times 14'52 11° \$\times 43'36 5° \$\times 46'03 0° \times 60" \times 60	-2.6m 6°07'34 2.64223 AU -1°10'45

opposition	14066 Jul 15 01:26	5°≈15′25			14071 Aug 24 17:15	0∘ <b>⊽</b>	
greatest brilliancy	14066 Jul 14 15:36	5° <b>≈</b> 24'53	-1.9m		14071 Oct 01 12:33	0° <b>M</b> ₊	
	14066 Jul 30 13:25	30°Ŗる					
direct	14066 Aug 20 07:23	27° <b>る</b> 09'53		conjunction	14071 Nov 01 10:30	24°M14'54	1°06'41
desc. node	14066 Aug 20 11:17	27° <b>る</b> 09'53		minimum elong	14071 Nov 01 10:28	24°M14'50	1°07'28
	14066 Sep 11 20:40	0° <b>≈</b>			14071 Nov 08 20:56	0° <b>∡</b> ¹	
	14066 Nov 22 20:49	0° <b>)</b> €			14071 Dec 18 14:04	0°ರ	
	14067 Jan 15 16:41	$0^{\circ}\mathbf{\Upsilon}$		max. Earth dist.	14071 Dec 24 18:04	4° <b>ප</b> 32'06	2.42157 AU
	14067 Mar 06 08:53	0°8		morning rise	14072 Jan 07 06:44	14° <b>る</b> 21'40	
	14067 Apr 22 06:25	0°II		Č	14072 Jan 29 07:47	0° <b>≈</b>	
evening set	14067 May 03 04:14	7° <b>Ⅱ</b> 13'16			14072 Mar 13 14:04	0° <b>∀</b>	
max. Earth dist.	14067 May 20 09:40	18° <b>∏</b> 49'03	2.54888 AU	desc. node	14072 Apr 11 07:55	18° <b>)</b> 27'47	
max. Earth dist.	14067 Jun 05 16:15	0° <b>©</b>	2.54000 710	dese. Hode	14072 Apr 30 00:15	0° <b>Υ</b>	
	1400/Juli 03 10.13	0 3			14072 Jun 21 14:40	0°8	
	14067 I 20 12.24	100635133	0946153			0°II	
conjunction	14067 Jun 20 13:34	10°525'23		. 1	14072 Sep 13 02:16		
minimum elong	14067 Jun 20 15:19	10°528'29	0°4/'54	retrograde	14072 Sep 19 07:58	0° <b>Ⅱ</b> 13'39	
	14067 Jul 17 19:57	0° <b>Ω</b>			14072 Sep 25 09:31	30° <b>₹</b> 8	
morning rise	14067 Aug 13 23:03	20° <b>Ω</b> 04'56		opposition	14072 Oct 28 14:32	21° <b>8</b> 13'42	
	14067 Aug 27 02:08	0° <b>™</b>		greatest brilliancy	14072 Oct 29 07:15	20° <b>8</b> 57'27	
asc. node	14067 Sep 05 02:43	6° Mp 53′05		min. Earth dist.	14072 Nov 01 20:45	19° <b>8</b> 34'23	0.65101 AU
	14067 Oct 04 23:56	0∘ <b>⊽</b>		direct	14072 Dec 09 01:36	11° <b>8</b> 11'36	
	14067 Nov 12 06:44	$0^{\circ}$ M $_{\circ}$			14073 Feb 10 18:24	$\Pi^{\circ}$	
	14067 Dec 20 20:01	0° <b>∡</b> ¹			14073 Apr 03 08:32	$0$ $\circ$ $\odot$	
	14068 Jan 29 18:13	0°ප		asc. node	14073 Apr 26 15:45	15° <b>9</b> 40'47	
	14068 Mar 12 14:03	0° <b>≈</b>			14073 May 16 19:07	$0^{\circ}\Omega$	
	14068 Apr 30 18:41	0° <b>)</b> €			14073 Jun 25 18:19	0° <b>m</b> )	
desc. node	14068 Jul 07 18:45	23° <b>)</b> 53'24			14073 Aug 03 02:52	0∘ <b>⊽</b>	
retrograde	14068 Jul 12 11:16	24° <b>\</b> 01'57			14073 Sep 10 03:31	0° <b>™</b>	
min. Earth dist.	14068 Aug 18 15:52		0.65292 AU		14073 Oct 18 20:39	0° <b>⊼</b>	
	•	13 <b>X</b> 2404 14° <b>X</b> 01'57				12° <b>∡</b> 104'33	
opposition	14068 Aug 22 02:40			evening set	14073 Nov 03 19:48		
greatest brilliancy	14068 Aug 21 20:29	14° <b>)</b> €08'05	-1.4m		14073 Nov 28 01:11	0°ප	
direct	14068 Sep 30 16:38	4° <b>)</b> (46′30				<del></del>	
	14068 Dec 20 04:58	0° <b>Υ</b>		conjunction	14074 Jan 02 21:49	25° <b>පි</b> 36'28	
	14069 Feb 12 21:48	0°8		minimum elong	14074 Jan 02 23:28	25° <b>る</b> 39'22	0°32'28
	14069 Apr 02 05:53	$\Pi$ °0			14074 Jan 09 05:12	0° <b>≈</b>	
	14069 May 16 20:22	0		max. Earth dist.	14074 Feb 03 22:18	17° <b>≈</b> 34'40	2.55784 AU
evening set	14069 Jun 16 08:27	21°5543'14			14074 Feb 22 13:10	0° <b>)</b> €	
	14069 Jun 27 15:37	$0^{\circ}\Omega$		morning rise	14074 Feb 23 23:44	0° <b>¥</b> 57′01	
max. Earth dist.	14069 Jul 02 02:26	3° <b>Ω</b> 17'43	2.41555 AU	desc. node	14074 Feb 26 19:13	2° <b>)</b> 48′06	
asc. node	14069 Jul 22 16:59	18° <b>Ω</b> 46'50			14074 Apr 10 00:54	$0^{\circ}\mathbf{Y}$	
	14069 Aug 06 08:38	0° <b>m</b> )			14074 May 28 19:29	0°B	
					14074 Jul 20 02:12	0°II	
conjunction	14069 Aug 15 03:37	6° Mp 48'11	0°16'27		14074 Sep 22 08:16	0°©	
minimum elong	14069 Aug 15 02:10	6° Mp 45'22	0°15'55	retrograde	14074 Nov 01 10:59	7° <b>9</b> 56'33	
behind sun begin	14069 Aug 14 21:05	6° m/ 35'30	0 13 33	opposition	14074 Dec 07 21:04	0°908'27	-4°20'23
behind sun end	•			оррозион	14074 Dec 08 06:14	30°RⅡ	- <del>+</del> 2023
bennia sun ena	14069 Aug 15 07:15	6° Mp 55'14				30 KII 29°II39'55	1.0
	14069 Sep 13 17:47	0∘ <b>亚</b>		greatest brilliancy	14074 Dec 09 03:56		
	14069 Oct 21 15:09	0°M.		min. Earth dist.	14074 Dec 15 16:40		0.54983 AU
morning rise	14069 Oct 26 04:46	3°M36'34		direct	14075 Jan 16 11:34	20° <b>Ⅱ</b> 44'17	
	14069 Nov 28 21:54	0° <b>∡</b>			14075 Feb 25 13:05	0ංම	
	14070 Jan 07 11:35	0°ප		asc. node	14075 Mar 15 01:37	8°916'08	
	14070 Feb 18 06:02	0° <b>≈</b>			14075 Apr 20 11:07	$0^{\circ}\Omega$	
	14070 Apr 04 08:09	0° <b>∀</b>			14075 Jun 02 00:32	0° <b>m</b> y	
desc. node	14070 May 25 17:20	0° <b>Y</b> ′09′12			14075 Jul 11 13:09	0∘ <b>ত</b>	
	14070 May 25 10:23	$0$ ° $\Upsilon$			14075 Aug 19 10:34	0° <b>M</b> .	
retrograde	14070 Aug 15 13:58	27° <b>Ƴ</b> 18'41			14075 Sep 28 00:40	0° <b>∡</b> ¹	
opposition	14070 Sep 25 04:22	17° <b>Ƴ</b> 37'27	-3°50'57		14075 Nov 08 03:11	ರ∘ರ	
greatest brilliancy	14070 Sep 25 04:10	17° <b>Y</b> '37'39			14075 Dec 21 03:36	0° <b>≈</b>	
min. Earth dist.	14070 Sep 25 13:25	17° <b>Y</b> 28'31	0.68593 AU	evening set	14075 Dec 28 19:02	5°≈11'35	
direct	14070 Nov 05 11:07	7° <b>Υ</b> 45'27		desc. node	14076 Jan 14 08:01	16°≈18'08	
ancei	14070 Nov 03 11.07 14071 Jan 17 18:26	0° <b>と</b>		dese. Houc	14076 Feb 04 01:19	0° <b>∺</b>	
		0° <b>I</b>			140/0170 04 01.19	υ <b>Λ</b>	
	14071 Mar 12 03:14			aaniur -t:	14076 E-1- 16 02 22	701/ 52110	0010122
	14071 Apr 27 00:15	0° <b>©</b>		conjunction	14076 Feb 16 03:23	7° <b>¥</b> 53'19	
_	14071 Jun 07 23:58	0°N		minimum elong	14076 Feb 16 02:42	7° <b>¥</b> 52'13	
asc. node	14071 Jun 09 12:18	1° <b>Ω</b> 07'14		max. Earth dist.	14076 Mar 01 05:57		2.64832 AU
	14071 Jul 17 12:58	0° <b>™</b>			14076 Mar 21 12:21	0° <b>Υ</b>	
evening set	14071 Aug 20 09:43	26° Mp 34'52		morning rise	14076 Apr 01 12:08	6° <b>Ƴ</b> 59'07	

						—	
	14076 May 08 02:09	0° <b>8</b>		desc. node	14081 Sep 05 20:53	16° <b>る</b> 53'03	
	14076 Jun 25 13:10	$\Pi$ °0			14081 Oct 07 09:04	0° <b>≈</b>	
	14076 Aug 14 06:05	0ංම			14081 Dec 03 05:23	0° <b>∀</b>	
	14076 Oct 06 04:23	$0^{\circ}\Omega$			14082 Jan 23 14:11	$0^{\circ}$ Y	
	14076 Dec 26 12:30	0° <b>m</b> y			14082 Mar 13 10:32	$9^{\circ}$ 8	
retrograde	14077 Jan 01 02:03	0°Mp11'31		evening set	14082 Apr 18 06:11	22° <b>8</b> 53'28	
	14077 Jan 06 13:22	30° <b>₹</b> Ω			14082 Apr 29 03:02	$\Pi^{\circ}0$	
asc. node	14077 Jan 30 09:59	25° <b>Ω</b> 07′29		max. Earth dist.	14082 May 09 01:32	6° <b>Ⅲ</b> 34'14	2.59153 AU
opposition	14077 Feb 01 12:26	24° <b>Ω</b> 29'17	0°08'44				
greatest brilliancy	14076 May 06 15:30	29° <b>Ƴ</b> 05'52	1.8m	conjunction	14082 Jun 03 10:02	23° <b>Ⅲ</b> 39′26	-1°00'30
min. Earth dist.	14077 Feb 08 23:56	22° <b>Ω</b> 12′23	0.41008 AU	minimum elong	14082 Jun 03 11:22	23° <b>Ⅱ</b> 41'43	
direct	14077 Mar 07 10:16	17° <b>Ω</b> 42'53			14082 Jun 12 15:39	0ಂತಾ	
	14077 Apr 21 03:21	0° m/y		morning rise	14082 Jul 23 07:31	28° <b>©</b> 42'51	
	14077 Jun 10 04:33	0∘ <b>⊽</b>		morning rise	14082 Jul 25 02:13	0° <b>Ω</b>	
	14077 Jul 23 04:16	0 == 0°M			14082 Sur 23 02:13	0°m)	
		0° <b>⊼</b> ¹		aca mada		13° <b>m</b> ) 52'42	
	14077 Sep 03 11:05	0°る		asc. node	14082 Sep 21 23:56	13 1₩3242	
	14077 Oct 16 16:13				14082 Oct 12 22:52		
	14077 Nov 30 08:33	0° <b>≈</b>			14082 Nov 20 12:26	0° <b>M</b> ₊	
desc. node	14077 Dec 01 05:09	0° <b>≈</b> 34'00			14082 Dec 29 07:54	0° <b>∡</b> ″	
	14078 Jan 15 10:11	0° <b>∀</b>			14083 Feb 07 15:44	0° <b>ろ</b>	
evening set	14078 Feb 06 18:05	14° <b>∺</b> 18′05			14083 Mar 23 15:17	0° <b>≈</b>	
	14078 Mar 03 10:20	$0$ ° $\Upsilon$			14083 May 17 19:14	0° <b>ℋ</b>	
				retrograde	14083 Jun 29 15:06	10° <b>∺</b> 06'36	
conjunction	14078 Mar 23 13:30	12° <b>Y</b> 45'50	-0°55'02	desc. node	14083 Jul 25 06:01	5° <b>)</b> 38′58	
minimum elong	14078 Mar 23 12:20	12° <b>Y</b> '44'00	0°55'10	min. Earth dist.	14083 Aug 03 23:29	2° <b>)</b> €04'30	0.62188 AU
max. Earth dist.	14078 Mar 24 01:36	13° <b>Y</b> 05'01	2.68420 AU	opposition	14083 Aug 08 21:30	0° <b>₩</b> 08'04	-0°35'57
	14078 Apr 19 17:59	0°8		greatest brilliancy	14083 Aug 08 18:33	0° <b>¥</b> 10'59	-1.6m
morning rise	14078 May 05 16:06	10° <b>8</b> 07'04		8	14083 Aug 09 05:42	30°R <b>≈</b>	
	14078 Jun 05 19:31	0°II		direct	14083 Sep 16 09:27	21° <b>≈</b> 14'56	
	14078 Jul 22 06:50	0°©		uncor	14083 Oct 28 22:26	0° <b>∀</b>	
	14078 Sep 06 01:13	0° <b>U</b>			14083 Dec 31 21:01	0°Υ	
	14078 Oct 21 06:09	0° <b>m</b> )			14084 Feb 21 21:07	0°8	
		0∘ <del>ত</del> اللا				0°II	
,	14078 Dec 05 16:31				14084 Apr 09 11:43		
asc. node	14078 Dec 18 13:44	8° <b>≏</b> 16'58			14084 May 23 23:04	0.22 0.22	
_	14079 Jan 23 22:33	0° <b>M</b>		evening set	14084 May 28 04:59	2° <b>©</b> 57'53	
retrograde	14079 Mar 23 21:23	19° <b>M</b> ₊17'09		max. Earth dist.	14084 Jun 11 00:50	12°5544'06	2.47039 AU
min. Earth dist.	14079 Apr 19 01:05	15°M01'24	0.37772 AU		14084 Jul 04 20:51	$0$ $^{\circ}$ $\Omega$	
greatest brilliancy	14079 Apr 23 00:12	13°M53'59	-2.9m				
opposition	14079 Apr 24 05:35	13°M33'04	6°55'32	conjunction	14084 Jul 21 07:35	12° <b>Ω</b> 12'38	-0°12'32
direct	14079 May 23 15:01	8°M29'10		minimum elong	14084 Jul 21 08:30	12° <b>Ω</b> 14'22	0°13'23
	14079 Jul 29 08:28	0° <b>∡</b> ¹		behind sun begin	14084 Jul 20 18:20	11° <b>Ω</b> 47'51	
	14079 Sep 20 01:26	0° <b>ප</b>		behind sun end	14084 Jul 21 22:40	12° <b>Ω</b> 40′53	
desc. node	14079 Oct 19 10:53	17° <b>る</b> 51'08		asc. node	14084 Aug 08 11:24	25° <b>Ω</b> 56'53	
	14079 Nov 08 05:26	0° <b>≈</b>			14084 Aug 13 18:29	0° <b>m</b> y	
	14079 Dec 26 18:54	0° <b>₩</b>			14084 Sep 21 07:57	0∘ <del>ত</del>	
	14080 Feb 13 01:58	$0^{\circ}\mathbf{\Upsilon}$		morning rise	14084 Sep 24 02:54	2° <b>≏</b> 11'42	
evening set	14080 Mar 13 12:31	18° <b>Ƴ</b> 27'32		greatest brilliancy	14084 Sep 29 17:31	6° <b>£</b> 36'50	1.2m
evening sec	14080 Mar 31 18:14	0°8		greatest orimane)	14084 Oct 29 08:14	0°M	1.2
max. Earth dist.	14080 Apr 14 01:59		2.66487 AU		14084 Dec 06 16:23	0° <b>×</b> 7	
max. Earth dist.	11000 Apr 11 01.59	0 02730	2.00 107 710		14085 Jan 15 07:06	0°ਰ	
conjunction	14080 Apr 26 08:09	16° <b>8</b> 22'15	1011114		14085 Feb 26 06:12	0°≈	
·	-	16° <b>8</b> 21'49				0 <b>≈</b> 0° <b>∺</b>	
minimum elong	14080 Apr 26 07:53		1 11 30		14085 Apr 13 04:17	0 K 0°Υ	
	14080 May 17 08:02	0°II			14085 Jun 07 09:00		
morning rise	14080 Jun 09 12:30	15° <b>Ⅱ</b> 17'07		desc. node	14085 Jun 11 09:31	1° <b>Y</b> 46'46	
	14080 Jul 01 11:02	0ංම		retrograde	14085 Aug 02 08:48	14° <b>Y</b> ′51'21	
	14080 Aug 13 23:25	$0$ $^{\circ}$ $\Omega$		min. Earth dist.	14085 Sep 10 23:57	5° <b>Y</b> 27'01	0.68090 AU
	14080 Sep 24 22:13	0° <b>m</b> )		opposition	14085 Sep 12 03:26	4° <b>Ƴ</b> 59'47	
asc. node	14080 Nov 04 10:48	29° <b>m</b> 53'57		greatest brilliancy	14085 Sep 11 22:58	5° <b>Ƴ</b> 04'12	-1.3m
	14080 Nov 04 14:02	0० <b>ऌ</b>			14085 Sep 25 13:20	30° <b>₹</b> ₩	
	14080 Dec 14 15:09	$0^{\circ}$ M.		direct	14085 Oct 22 22:41	25° <b>¥</b> 19′05	
	14081 Jan 24 10:08	0° <b>∡</b> ¹			14085 Nov 22 00:39	$0^{\circ}$ Y	
	14081 Mar 10 06:40	ರ°0			14086 Jan 28 20:45	0° <b>႘</b>	
retrograde	14081 May 20 00:03	26° <b>ප</b> 14'12			14086 Mar 20 10:43	0°II	
min. Earth dist.	14081 Jun 18 16:37	20° <b>ට</b> 09'08	0.50377 AU		14086 May 04 15:42	0°©	
opposition	14081 Jun 26 16:35	17° <b>ට</b> 11'33	3°20'48		14086 Jun 15 12:08	0° <b>Ω</b>	
. r r	14001 Juli 20 10 11						
greatest brilliancy				asc node			
greatest brilliancy direct	14081 Jun 25 18:11 14081 Jul 31 03:42	17°る32'20 9°る47'46	-2.1m	asc. node evening set	14086 Jun 26 04:40 14086 Jul 22 21:41	7° <b>Ω</b> 57'50 28° <b>Ω</b> 19'05	

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greatest brilliancy	14096 Jun 03 15:15	26° <b>х</b> 26′48	-2.4m		14101 Aug 02 12:45	0° <b>m</b>	
opposition	14096 Jun 05 01:58	25° <b>∡</b> ¹56'48	5°11'20				
direct	14096 Jul 07 12:53	19° <b>∡</b> ¹26′05		conjunction	14101 Sep 01 03:04	23°Mp06'11	0°33'38
	14096 Aug 21 18:35	0°ಕ		minimum elong	14101 Aug 31 23:57	23° Mp 00'02	0°33'22
desc. node	14096 Sep 22 06:20	14° <b>る</b> 32'33			14101 Sep 09 20:47	0 <b>்⊽</b>	
	14096 Oct 21 04:41	0°≈			14101 Oct 17 17:17	$0^{\circ}$ M	
	14096 Dec 12 05:44	0° <b>∀</b>		morning rise	14101 Nov 14 09:23	21°M45'57	
	14097 Jan 31 01:13	$0$ ° $\Upsilon$			14101 Nov 24 23:41	0° <b>₹</b>	
	14097 Mar 20 07:41	$9^{\circ}$ 8			14102 Jan 03 12:46	0°రె	
evening set	14097 Apr 04 02:09	9° <b>8</b> 23'16					
max. Earth dist.	14097 Apr 28 19:02		2.62643 AU				
	14097 May 05 21:47	0°Щ					
	J						
conjunction	14097 May 18 20:51	8° <b>Ⅱ</b> 33'47	-1°08'27				
minimum elong	14097 May 18 21:33	8° <b>Ⅱ</b> 34'56					
8	14097 Jun 19 14:54	0°ಅ					
morning rise	14097 Jul 04 18:13	10°527'50					
morning rise	14097 Aug 01 09:55	0°Ω					
	14097 Sep 11 11:00	0° m)					
asc. node	14097 Oct 08 19:41	20° Mp 36'15					
asc. node	14097 Oct 08 19:41 14097 Oct 21 03:09	0° <b>⊽</b>					
	14097 Oct 21 03:09 14097 Nov 29 02:12	0 <b>==</b> 0°M					
	14097 Nov 29 02.12 14098 Jan 07 08:19						
		0° <b>ズ</b> 0°る					
	14098 Feb 17 11:21						
	14098 Apr 05 00:13	0° <b>≈</b>					
retrograde	14098 Jun 14 21:58	24°≈51'19	0.50151 177				
min. Earth dist.	14098 Jul 18 05:22	17°≈30'05	0.58171 AU				
opposition	14098 Jul 24 12:25	15° <b>≈</b> 02'59	0°45'06				
greatest brilliancy	14098 Jul 24 08:19	15° <b>≈</b> 06'58	-1.8m				
desc. node	14098 Aug 10 17:39	9° <b>≈</b> 13'26					
direct	14098 Aug 30 15:49	6°≈38'18					
	14098 Nov 14 20:06	0° <b>∀</b>					
	14099 Jan 10 00:13	0° <b>Υ</b>					
	14099 Mar 01 09:26	0°8					
	14099 Apr 17 12:48	$\Pi$ °0					
evening set	14099 May 12 04:21	16° <b>Ⅱ</b> 25'21					
max. Earth dist.	14099 May 27 19:39	27° <b>Ⅱ</b> 06'45	2.52264 AU				
	14099 May 31 23:44	$0$ $\circ$					
conjunction	14099 Jul 01 05:32	21° <b>©</b> 23'56					
minimum elong	14099 Jul 01 07:17	21° <b>©</b> 27'06	0°37'12				
	14099 Jul 13 01:50	$0$ $\circ$ $\Omega$					
	14099 Aug 22 05:25	0° <b>m</b> )					
asc. node	14099 Aug 26 08:00	3°My08'12					
morning rise	14099 Aug 27 20:18	4° الله 17'40					
	14099 Sep 30 00:19	0∘ <b>⊽</b>					
	14099 Nov 07 04:23	0° <b>M</b> ₊					
	14099 Dec 15 14:57	0° <b>∡</b> ¹					
	14100 Jan 24 08:40	0°ಕ					
	14100 Mar 07 17:13	0° <b>≈</b>					
	14100 Apr 24 04:28	0° <b>ℋ</b>					
desc. node	14100 Jun 28 22:57	29° <b>₩</b> 13'05					
	14100 Jul 02 09:14	$0$ ° $\Upsilon$					
retrograde	14100 Jul 21 03:22	2° <b>Y</b> 05'35					
	14100 Aug 07 20:42	30° <b>₹</b>					
min. Earth dist.	14100 Aug 28 06:11	23° <b>¥</b> 10′14	0.66571 AU				
opposition	14100 Aug 30 21:40	22° <b>₩</b> 07'17	-2°18'39				
greatest brilliancy	14100 Aug 30 15:14	22° <b>∺</b> 13'39	-1.4m				
direct	14100 Oct 09 23:57	12° <b>)</b> 41′36					
	14100 Dec 12 16:49	$0^{\circ}$ $\Upsilon$					
	14101 Feb 08 04:25	$0^{\circ}$ 8					
	14101 Mar 29 04:56	$\Pi^{\circ}0$					
	14101 May 13 00:33	0ංම					
	14101 Jun 23 20:29	$0^{\circ}\Omega$					
evening set	14101 Jun 29 12:56	4° <b>Ω</b> 12'48					
asc. node	14101 Jul 13 21:28	14° <b>Ω</b> 59'12					
E 41 E 4	14101 1 1 21 02 22	200 027120	2 20660 ATT				

max. Earth dist.

14101 Jul 21 02:23 20°**\O**27'39 2.38668 AU