retrograde	6600 Jan 03 22:23	25° m 48'53		conjunction	6605 Nov 27 03:45	6° ∡ 758'47	2°04'03
opposition	6600 Mar 12 09:44	22° m) 21'01	0°49'47	minimum elong	6605 Nov 27 03:45	6° ∡ ¹58'47	2°04'06
min. Earth dist.	6600 Mar 12 09:06	22° m/21'08	8.20064 AU	max. Earth dist.	6605 Nov 27 00:44	6° ₹ 57'50	10.36571 AU
direct	6600 May 18 14:15	18° m 53'36		morning rise	6605 Dec 14 14:10	9° ∡ 09'41	
evening set	6600 Aug 30 11:56	26° m 52'35		retrograde	6606 Mar 26 00:12	16° ∡ ¹49'47	
Č	C	•		opposition	6606 Jun 01 05:43	13° ∡ ′27′13	2°31'39
conjunction	6600 Sep 17 12:17	29° m 09'41	0°53'41	min. Earth dist.	6606 Jun 01 07:45	13° ∡ ′26'49	8.40238 AU
minimum elong	6600 Sep 17 12:15	29° m 09'41	0°53'41	direct	6606 Aug 09 10:59	10° √ 00'05	
max. Earth dist.	6600 Sep 17 12:16	29° m 09'41	10.19379 AU	evening set	6606 Nov 23 08:13	17° ∡ °54′26	
	6600 Sep 24 01:51	0∘ ত					
morning rise	6600 Oct 05 12:43	1° ≏ 26'53		conjunction	6606 Dec 10 19:29	20° ∡ ¹04'40	1°59'17
retrograde	6601 Jan 17 22:30	9° ഫ 28'38		minimum elong	6606 Dec 10 19:30	20° ₮ 04'40	1°59'21
opposition	6601 Mar 26 02:51	6° ഫ 01'16	1°22'53	max. Earth dist.	6606 Dec 10 16:35	20° х 03′45	10.43797 AU
min. Earth dist.	6601 Mar 26 02:59	6° ≏ 01'15	8.19219 AU	morning rise	6606 Dec 28 02:39	22° х 13′43	
direct	6601 Jun 01 11:51	2° ≏ 33'19		retrograde	6607 Apr 08 02:53	29° ∡ ⁴47'40	
evening set	6601 Sep 14 02:00	10° £ 35'31		opposition	6607 Jun 14 13:23	26° х 26′04	2°21'47
				min. Earth dist.	6607 Jun 14 15:59	26° ₹ 25'34	8.47690 AU
conjunction	6601 Oct 02 01:47	12° ≏ 52'30	1°18'38	direct	6607 Aug 23 02:25	22° ∡ ′59'38	
minimum elong	6601 Oct 02 01:45	12° ≏ 52'29	1°18'39		6607 Nov 30 02:19	0°ප	
max. Earth dist.	6601 Oct 02 00:28		10.19433 AU	evening set	6607 Dec 06 19:10	0° る 48'24	
morning rise	6601 Oct 20 00:42	15° ≏ 09'16				_	
retrograde	6602 Jan 31 20:31	23° ≙ 08'47		conjunction	6607 Dec 24 03:35	2° る 56'52	1°48'33
opposition	6602 Apr 08 20:27	19° £ 42'10	1°51'16	minimum elong	6607 Dec 24 03:37	2° る 56'53	1°48'37
min. Earth dist.	6602 Apr 08 21:41	19° £ 41'55	8.20239 AU	max. Earth dist.	6607 Dec 24 00:01		10.51391 AU
direct	6602 Jun 15 12:03	16° £ 13'54		morning rise	6608 Jan 10 07:57	5° る 04'08	
evening set	6602 Sep 28 16:01	24° £ 17'49		retrograde	6608 Apr 19 22:49	12° る 32'12	2005102
	((02 0-4 1(14.10	269 0 24100	1920107	opposition	6608 Jun 26 17:41	9°る11'30 9°る10'49	2°05'02
conjunction	6602 Oct 16 14:10 6602 Oct 16 14:08	26° △ 34'08 26° △ 34'07	1°39'06 1°39'08	min. Earth dist. direct	6608 Jun 26 21:10	5° る 45'52	8.55256 AU
minimum elong max. Earth dist.	6602 Oct 16 11:41	26° £ 34'07 26° £ 33'20		evening set	6608 Sep 04 15:13 6608 Dec 18 22:28	3 3 43 32	
morning rise	6602 Nov 03 10:37	20 = 33 20 28° £ 49'56	10.21336 AU	evening set	0008 Dec 18 22.28	13 02040	
morning risc	6602 Nov 12 22:04	0°M		conjunction	6609 Jan 05 04:08	15° る 35'26	1°32'40
retrograde	6603 Feb 14 15:40	6°M46'00		minimum elong	6609 Jan 05 04:10		1°32'43
opposition	6603 Apr 22 13:34	3°M20'19	2°13'14	max. Earth dist.	6609 Jan 04 23:33		10.58872 AU
min. Earth dist.	6603 Apr 22 15:33	3°M19'55	8.23072 AU	morning rise	6609 Jan 22 06:07	17° る 41'04	10.000,2110
	6603 Jun 17 09:09	30° R Ω		retrograde	6609 May 02 14:10	25° る 03'59	
direct	6603 Jun 29 12:57	29° £ 51'59		opposition	6609 Jul 09 18:40	21° ප් 44'01	1°42'35
	6603 Jul 11 17:19	0° M .		min. Earth dist.	6609 Jul 09 22:15	21° る 43'20	8.62507 AU
evening set	6603 Oct 13 04:00	7°M55'58		direct	6609 Sep 17 23:56	18° る 19'19	
				evening set	6609 Dec 31 18:32	25° る 56'08	
conjunction	6603 Oct 30 23:49	10°ML11'09	1°53'54				
minimum elong	6603 Oct 30 23:47	10°ML11'09	1°53'57	conjunction	6610 Jan 17 21:48	28° る 01'20	1°12'37
max. Earth dist.	6603 Oct 30 20:32	10°ML10'07	10.24993 AU	minimum elong	6610 Jan 17 21:50	28° る 01'21	1°12'40
morning rise	6603 Nov 17 17:11	12°M25'34		max. Earth dist.	6610 Jan 17 17:20	27° る 59'58	10.65889 AU
	6603 Dec 09 04:40	15°M		morning rise	6610 Feb 03 21:42	0° ≈ 05'31	
retrograde	6604 Feb 28 07:12	20°M17'02			6610 Feb 03 03:19	0° ≈	
opposition	6604 May 05 05:11	16°M52'23		retrograde	6610 May 15 03:49	7° ≈ 24'11	
min. Earth dist.	6604 May 05 07:29		8.27547 AU	opposition	6610 Jul 22 16:37	4°≈04'46	1°15'43
	6604 May 29 19:12	15°RM		min. Earth dist.	6610 Jul 22 19:23	4°≈04'14	8.69170 AU
direct	6604 Jul 12 14:14	13°M24'14		direct	6610 Oct 01 03:00	0° ≈ 41'01	
	6604 Aug 24 20:43	15°M		evening set	6611 Jan 13 08:03	8°≈12'01	
evening set	6604 Oct 26 11:47	21°M26'34					
				conjunction	6611 Jan 30 09:13	10°≈15'50	0°49'30
conjunction	6604 Nov 13 04:54	23°M40'17	2°02'18	minimum elong	6611 Jan 30 09:15	10°≈15'51	0°49'32
minimum elong	6604 Nov 13 04:53	23°M40'17	2°02'22	max. Earth dist.	6611 Jan 30 05:56	10°≈14'50	10.72201 AU
max. Earth dist.	6604 Nov 13 01:23	23°M39'10	10.30176 AU	morning rise	6611 Feb 16 07:15	12°≈18'45	
morning rise	6604 Nov 30 18:50	25°M53'02 0°⊀		ratro are de	6611 Mar 11 22:36	15° ≈	
retrograde	6605 Jan 05 18:27 6605 Mar 12 17:53	0°×' 3° √ 39'04		retrograde opposition	6611 May 27 14:12 6611 Aug 04 11:52	19°≈34'05 16°≈15'00	0°45'50
opposition	6605 May 18 18:48	0° х ′39′04	2°33'45	min. Earth dist.	6611 Aug 04 11:32	16°≈14'39	8.75020 AU
min. Earth dist.	6605 May 18 20:49	0° ₹ 15′03	8.33386 AU	mm. Darm tist.	6611 Aug 21 09:26	16 ≈14 39 15°R≈	0.73020 AU
mm. Darm dist.	6605 May 22 00:13	30°RM	5.55500 AU	direct	6611 Oct 14 00:42	13 k∞ 12°≈52'11	
direct	6605 Jul 26 14:14	26°M47'44		anot	6611 Dec 04 21:09	12 ≈ 32 11 15° ≈	
	6605 Sep 27 14:01	0°×7		evening set	6612 Jan 25 16:16	20°≈17'48	
evening set	6605 Nov 09 13:34	4° ∡ ¹46'45					
<i>3</i>							

conjunction	6612 Feb 11 15:21	22° ≈ 20′23	0°24'27		6618 Mar 26 03:34	9° 8	
minimum elong	6612 Feb 11 15:22	22° ≈ 20′23	0°24'28	evening set	6618 Apr 05 08:40	1° 8 11'08	
max. Earth dist.	6612 Feb 11 13:09	22°≈19'43	10.77583 AU				
morning rise	6612 Feb 28 11:45	24° ≈ 22'13		conjunction	6618 Apr 22 01:00	3° 8 11'09	-1°47'56
	6612 Apr 25 04:33	0° ∀		minimum elong	6618 Apr 22 00:58	3° 8 11'09	
ratra ara da	6612 Jun 07 22:29	1°) 35'15		max. Earth dist.		_	10.82654 AU
retrograde					6618 Apr 22 03:20		10.82034 AU
	6612 Jul 23 01:34	30° R ≈		morning rise	6618 May 08 19:21	5° 8 11'45	
opposition	6612 Aug 16 04:48	28° ≈ 16′18	0°14'18	retrograde	6618 Aug 20 01:12	12° 8 33'52	
min. Earth dist.	6612 Aug 16 06:28	28° ≈ 15'59	8.79857 AU	opposition	6618 Oct 29 14:15	9° 8 11'56	-2°19'49
direct	6612 Oct 25 18:44	24° ≈ 54'18		min. Earth dist.	6618 Oct 29 11:41	9° 8 12'25	8.80941 AU
	6613 Jan 17 00:36	0° ∀		direct	6619 Jan 06 23:33	5° 8 52'19	
desc. node	6613 Feb 01 09:24	1°) 43′54		evening set	6619 Apr 17 08:41	13° 8 04'38	
evening set	6613 Feb 05 19:56	2°) 15′11			6619 May 03 08:19	15° 8	
evening set	0015100 05 17.50	2 /(1311			0017 May 03 00.17	13 0	
	((12 F.1 22 1(50	40 1 (141	0001121		((10 M	150005120	1050127
conjunction	6613 Feb 22 16:59	4°) 16'41		conjunction	6619 May 04 01:55	15° 8 05'20	
minimum elong	6613 Feb 22 16:59	4° ∺ 16'41	0°01'29	minimum elong	6619 May 04 01:54	15° 8 05'20	
behind sun begin	6613 Feb 22 09:58	4° 升 14'35		max. Earth dist.	6619 May 04 05:15	15° 8 06'21	10.78661 AU
behind sun end	6613 Feb 23 00:01	4° ₩ 18'47		morning rise	6619 May 20 21:44	17° 8 06'50	
max. Earth dist.	6613 Feb 22 14:59	4° ₩ 16'09	10.81850 AU	retrograde	6619 Sep 01 17:22	24° 8 33'35	
morning rise	6613 Mar 11 12:11	6° 升 17'39		opposition	6619 Nov 11 06:03	21° 8 10'47	-2°29'59
retrograde	6613 Jun 20 05:20	13° ¥ 29'30		min. Earth dist.	6619 Nov 11 02:31		8.76362 AU
		10° ¥ 10′26	0017121			17° 8 51'04	0.70302 AC
opposition	6613 Aug 28 19:57			direct	6620 Jan 19 06:57	_	
min. Earth dist.	6613 Aug 28 21:21	10° ∺ 10'11	8.83513 AU	evening set	6620 Apr 28 11:56	25° 8 05'27	
direct	6613 Nov 07 08:35	6°) 49′09					
evening set	6614 Feb 17 19:57	14°) €06'05		conjunction	6620 May 15 06:53	27° 8 07'13	-2°04'13
				minimum elong	6620 May 15 06:52	27° 8 07'13	2°04'15
conjunction	6614 Mar 06 15:14	16°) 06'44	-0°27'07	max. Earth dist.	6620 May 15 11:37	27° 8 08'40	10.73513 AU
minimum elong	6614 Mar 06 15:13	16°) €06'44		morning rise	6620 Jun 01 04:47	29° 8 09'55	
max. Earth dist.	6614 Mar 06 13:46		10.84849 AU	morning 1150	6620 Jun 08 06:46	0°II	
		18° ¥ 07'05	10.04047 AC	4 1-		6° Ⅱ 41'50	
morning rise	6614 Mar 23 09:32			retrograde	6620 Sep 13 14:51		2022110
retrograde	6614 Jul 02 10:07	25° ¥ 18'54		opposition	6620 Nov 23 00:03	3° ∐ 18′08	
opposition	6614 Sep 10 09:37	21° ¥ 59'30		min. Earth dist.	6620 Nov 22 19:32		8.70721 AU
min. Earth dist.	6614 Sep 10 10:01	21° ∺ 59'26	8.85849 AU		6621 Jan 24 16:19	30° ₹ 8	
direct	6614 Nov 19 20:24	18°) 38'48		direct	6621 Jan 30 16:34	29° 8 58'08	
evening set	6615 Mar 01 17:42	25° 升 52'45			6621 Feb 05 15:16	$\Pi^{\circ}0$	
8				evening set	6621 May 10 19:45	7° Ⅱ 15′28	
conjunction	6615 Mar 18 11:38	27° ₩ 52'48	0°51'20	evening set	0021 May 10 19.13	, 11320	
					((21 M 27, 17-07	00T10120	200411.0
minimum elong	6615 Mar 18 11:36	27°) € 52'47		conjunction	6621 May 27 17:07	9° Ⅱ 18'39	
max. Earth dist.	6615 Mar 18 11:40		10.86462 AU	minimum elong	6621 May 27 17:08	9° Ⅱ 18'39	
morning rise	6615 Apr 04 05:11	29° ∺ 52'44		max. Earth dist.	6621 May 27 22:17		10.67438 AU
	6615 Apr 05 05:53	0 ° Υ		morning rise	6621 Jun 13 17:59	11° Ⅲ 22'55	
retrograde	6615 Jul 14 17:34	7° Ƴ 05'39		retrograde	6621 Sep 26 17:27	19° Ⅱ 00′08	
opposition	6615 Sep 22 22:15	3° Ƴ 45'46	-1°17'05	opposition	6621 Dec 05 20:29	15° Ⅱ 35'37	-2°30'25
min. Earth dist.	6615 Sep 22 21:06	3° Ƴ 45'59		min. Earth dist.	6621 Dec 05 15:51	15°∏36'30	8.64272 AU
direct	6615 Dec 02 05:43	0° Y 25'34		direct	6622 Feb 12 02:30	12° Ⅱ 15'08	
		7° Υ 37'32				12 П 15 08	
evening set	6616 Mar 12 14:18	1 1 3 / 32		evening set	6622 May 23 08:54	19°Щ36°13	
	((1())) 00 0= 1=	00000	1012120		((22 I 22 22 22 22 22 22 22 22 22 22 22 22	010T	1050110
conjunction	6616 Mar 29 07:15	9° Ƴ 37'15		conjunction	6622 Jun 09 09:25	21° ∏ 41'06	
minimum elong	6616 Mar 29 07:13	9° Ƴ 37'14		minimum elong	6622 Jun 09 09:27	21° Ⅱ 41'07	
max. Earth dist.	6616 Mar 29 08:58	9° Ƴ 37'46	10.86625 AU	max. Earth dist.	6622 Jun 09 14:00	21° Ⅱ 42'31	10.60711 AU
morning rise					0022 Juli 09 14.00		
retrograde	6616 Apr 15 00:23	11° Y 37'06		morning rise	6622 Jun 26 13:59	23° Ⅲ 47′13	
	-			morning rise	6622 Jun 26 13:59		
•	6616 Jul 26 02:21	18° Ƴ 52'08	-1°42'32		6622 Jun 26 13:59 6622 Aug 28 02:59	0ಂತಾ	
opposition	6616 Jul 26 02:21 6616 Oct 04 10:58	18° Υ 52'08 15° Υ 31'40		morning rise	6622 Jun 26 13:59 6622 Aug 28 02:59 6622 Oct 09 22:37	0° © 1° © 29'45	
opposition min. Earth dist.	6616 Jul 26 02:21 6616 Oct 04 10:58 6616 Oct 04 08:50	18° Y 52'08 15° Y 31'40 15° Y 32'04	-1°42'32 8.86236 AU	retrograde	6622 Jun 26 13:59 6622 Aug 28 02:59 6622 Oct 09 22:37 6622 Nov 22 10:47	0°© 1°©29'45 30°R∏	2020105
opposition min. Earth dist. direct	6616 Jul 26 02:21 6616 Oct 04 10:58 6616 Oct 04 08:50 6616 Dec 13 11:20	18°Y52'08 15°Y31'40 15°Y32'04 12°Y11'51		retrograde	6622 Jun 26 13:59 6622 Aug 28 02:59 6622 Oct 09 22:37 6622 Nov 22 10:47 6622 Dec 18 19:52	0°\$ 1°\$29'45 30°R∏ 28°∏04'27	
opposition min. Earth dist.	6616 Jul 26 02:21 6616 Oct 04 10:58 6616 Oct 04 08:50	18° Y 52'08 15° Y 31'40 15° Y 32'04		retrograde opposition min. Earth dist.	6622 Jun 26 13:59 6622 Aug 28 02:59 6622 Oct 09 22:37 6622 Nov 22 10:47 6622 Dec 18 19:52 6622 Dec 18 15:49	0°© 1°©29'45 30°R∏ 28°∏04'27 28°∏05'14	-2°20'05 8.57306 AU
opposition min. Earth dist. direct	6616 Jul 26 02:21 6616 Oct 04 10:58 6616 Oct 04 08:50 6616 Dec 13 11:20	18°Y52'08 15°Y31'40 15°Y32'04 12°Y11'51 19°Y22'51	8.86236 AU	retrograde	6622 Jun 26 13:59 6622 Aug 28 02:59 6622 Oct 09 22:37 6622 Nov 22 10:47 6622 Dec 18 19:52	0°\$0 1°\$29'45 30°₹∏ 28°∏04'27 28°∏05'14 24°∏43'20	
opposition min. Earth dist. direct	6616 Jul 26 02:21 6616 Oct 04 10:58 6616 Oct 04 08:50 6616 Dec 13 11:20	18°Y52'08 15°Y31'40 15°Y32'04 12°Y11'51	8.86236 AU	retrograde opposition min. Earth dist.	6622 Jun 26 13:59 6622 Aug 28 02:59 6622 Oct 09 22:37 6622 Nov 22 10:47 6622 Dec 18 19:52 6622 Dec 18 15:49	0°© 1°©29'45 30°R∏ 28°∏04'27 28°∏05'14	
opposition min. Earth dist. direct evening set	6616 Jul 26 02:21 6616 Oct 04 10:58 6616 Oct 04 08:50 6616 Dec 13 11:20 6617 Mar 24 10:51	18°Y52'08 15°Y31'40 15°Y32'04 12°Y11'51 19°Y22'51	8.86236 AU -1°32'43	retrograde opposition min. Earth dist.	6622 Jun 26 13:59 6622 Aug 28 02:59 6622 Oct 09 22:37 6622 Nov 22 10:47 6622 Dec 18 19:52 6622 Dec 18 15:49 6623 Feb 24 17:34	0°\$0 1°\$29'45 30°₹∏ 28°∏04'27 28°∏05'14 24°∏43'20	
opposition min. Earth dist. direct evening set conjunction minimum elong	6616 Jul 26 02:21 6616 Oct 04 10:58 6616 Oct 04 08:50 6616 Dec 13 11:20 6617 Mar 24 10:51 6617 Apr 10 03:10 6617 Apr 10 03:08	18°Y52'08 15°Y31'40 15°Y32'04 12°Y11'51 19°Y22'51 21°Y22'33 21°Y22'32	8.86236 AU -1°32'43 1°32'45	retrograde opposition min. Earth dist. direct	6622 Jun 26 13:59 6622 Aug 28 02:59 6622 Oct 09 22:37 6622 Nov 22 10:47 6622 Dec 18 19:52 6622 Dec 18 15:49 6623 Feb 24 17:34 6623 May 17 20:21	0°\$0 1°\$29'45 30°R∏ 28°∏04'27 28°∏05'14 24°∏43'20 0°\$6	
opposition min. Earth dist. direct evening set conjunction minimum elong max. Earth dist.	6616 Jul 26 02:21 6616 Oct 04 10:58 6616 Oct 04 08:50 6616 Dec 13 11:20 6617 Mar 24 10:51 6617 Apr 10 03:10 6617 Apr 10 03:08 6617 Apr 10 05:22	18°Y52'08 15°Y31'40 15°Y32'04 12°Y11'51 19°Y22'51 21°Y22'33 21°Y22'32 21°Y23'12	8.86236 AU -1°32'43	retrograde opposition min. Earth dist. direct evening set	6622 Jun 26 13:59 6622 Aug 28 02:59 6622 Oct 09 22:37 6622 Nov 22 10:47 6622 Dec 18 19:52 6622 Dec 18 15:49 6623 Feb 24 17:34 6623 May 17 20:21 6623 Jun 05 04:02	0°\$0 1°\$29'45 30°R.II 28° II 04'27 28° II 05'14 24° II 43'20 0°\$0 2°\$08'52	8.57306 AU
opposition min. Earth dist. direct evening set conjunction minimum elong	6616 Jul 26 02:21 6616 Oct 04 10:58 6616 Oct 04 08:50 6616 Dec 13 11:20 6617 Mar 24 10:51 6617 Apr 10 03:08 6617 Apr 10 05:22 6617 Apr 26 20:35	18°Y52'08 15°Y31'40 15°Y32'04 12°Y11'51 19°Y22'51 21°Y22'33 21°Y22'32 21°Y23'12 23°Y22'36	8.86236 AU -1°32'43 1°32'45	retrograde opposition min. Earth dist. direct evening set conjunction	6622 Jun 26 13:59 6622 Aug 28 02:59 6622 Oct 09 22:37 6622 Nov 22 10:47 6622 Dec 18 19:52 6622 Dec 18 15:49 6623 Feb 24 17:34 6623 May 17 20:21 6623 Jun 05 04:02	0°S 1°S29'45 30°R II 28° II 04'27 28° II 05'14 24° II 43'20 0°S 2°S08'52 4°S15'42	8.57306 AU -1°47'19
opposition min. Earth dist. direct evening set conjunction minimum elong max. Earth dist. morning rise	6616 Jul 26 02:21 6616 Oct 04 10:58 6616 Oct 04 08:50 6616 Dec 13 11:20 6617 Mar 24 10:51 6617 Apr 10 03:10 6617 Apr 10 05:22 6617 Apr 26 20:35 6617 Jul 09 16:49	18°Y52'08 15°Y31'40 15°Y32'04 12°Y11'51 19°Y22'51 21°Y22'32 21°Y23'12 23°Y22'36 0°8	8.86236 AU -1°32'43 1°32'45	retrograde opposition min. Earth dist. direct evening set conjunction minimum elong	6622 Jun 26 13:59 6622 Aug 28 02:59 6622 Oct 09 22:37 6622 Nov 22 10:47 6622 Dec 18 19:52 6622 Dec 18 15:49 6623 Feb 24 17:34 6623 May 17 20:21 6623 Jun 05 04:02 6623 Jun 22 08:22 6623 Jun 22 08:24	0°S 1°S29'45 30°RII 28°II04'27 28°II05'14 24°II43'20 0°S 2°S08'52 4°S15'42 4°S15'43	8.57306 AU -1°47'19 1°47'23
opposition min. Earth dist. direct evening set conjunction minimum elong max. Earth dist.	6616 Jul 26 02:21 6616 Oct 04 10:58 6616 Oct 04 08:50 6616 Dec 13 11:20 6617 Mar 24 10:51 6617 Apr 10 03:10 6617 Apr 10 03:08 6617 Apr 10 05:22 6617 Apr 26 20:35 6617 Jul 09 16:49 6617 Aug 07 12:11	18°Y52'08 15°Y31'40 15°Y32'04 12°Y11'51 19°Y22'51 21°Y22'33 21°Y22'32 21°Y22'36 0°8 0°840'47	8.86236 AU -1°32'43 1°32'45	retrograde opposition min. Earth dist. direct evening set conjunction minimum elong max. Earth dist.	6622 Jun 26 13:59 6622 Aug 28 02:59 6622 Oct 09 22:37 6622 Nov 22 10:47 6622 Dec 18 19:52 6622 Dec 18 15:49 6623 Feb 24 17:34 6623 May 17 20:21 6623 Jun 05 04:02 6623 Jun 22 08:22 6623 Jun 22 08:24 6623 Jun 22 12:52	0°5 1°529'45 30°8 II 28° II 04'27 28° II 05'14 24° II 43'20 0°5 2°508'52 4°515'42 4°515'43 4°517'06	8.57306 AU -1°47'19
opposition min. Earth dist. direct evening set conjunction minimum elong max. Earth dist. morning rise retrograde	6616 Jul 26 02:21 6616 Oct 04 10:58 6616 Oct 04 08:50 6616 Dec 13 11:20 6617 Mar 24 10:51 6617 Apr 10 03:10 6617 Apr 10 05:22 6617 Apr 26 20:35 6617 Jul 09 16:49	18°Y52'08 15°Y31'40 15°Y32'04 12°Y11'51 19°Y22'51 21°Y22'33 21°Y22'32 23°Y22'36 0°8 0°840'47 30°RY	8.86236 AU -1°32'43 1°32'45 10.85341 AU	retrograde opposition min. Earth dist. direct evening set conjunction minimum elong max. Earth dist. morning rise	6622 Jun 26 13:59 6622 Aug 28 02:59 6622 Oct 09 22:37 6622 Nov 22 10:47 6622 Dec 18 19:52 6622 Dec 18 15:49 6623 Feb 24 17:34 6623 May 17 20:21 6623 Jun 05 04:02 6623 Jun 22 08:22 6623 Jun 22 08:24	0°S 1°S29'45 30°RII 28°II04'27 28°II05'14 24°II43'20 0°S 2°S08'52 4°S15'42 4°S15'43	8.57306 AU -1°47'19 1°47'23
opposition min. Earth dist. direct evening set conjunction minimum elong max. Earth dist. morning rise	6616 Jul 26 02:21 6616 Oct 04 10:58 6616 Oct 04 08:50 6616 Dec 13 11:20 6617 Mar 24 10:51 6617 Apr 10 03:10 6617 Apr 10 03:08 6617 Apr 10 05:22 6617 Apr 26 20:35 6617 Jul 09 16:49 6617 Aug 07 12:11	18°Y52'08 15°Y31'40 15°Y32'04 12°Y11'51 19°Y22'51 21°Y22'33 21°Y22'32 21°Y23'12 23°Y22'36 0°8 0°840'47 30°RY 27°Y19'37	8.86236 AU -1°32'43 1°32'45 10.85341 AU -2°03'44	retrograde opposition min. Earth dist. direct evening set conjunction minimum elong max. Earth dist.	6622 Jun 26 13:59 6622 Aug 28 02:59 6622 Oct 09 22:37 6622 Nov 22 10:47 6622 Dec 18 19:52 6622 Dec 18 15:49 6623 Feb 24 17:34 6623 May 17 20:21 6623 Jun 05 04:02 6623 Jun 22 08:22 6623 Jun 22 08:24 6623 Jun 22 12:52	0°5 1°529'45 30°8 II 28° II 04'27 28° II 05'14 24° II 43'20 0°5 2°508'52 4°515'42 4°515'43 4°517'06	8.57306 AU -1°47'19 1°47'23
opposition min. Earth dist. direct evening set conjunction minimum elong max. Earth dist. morning rise retrograde	6616 Jul 26 02:21 6616 Oct 04 10:58 6616 Oct 04 08:50 6616 Dec 13 11:20 6617 Mar 24 10:51 6617 Apr 10 03:10 6617 Apr 10 03:08 6617 Apr 10 05:22 6617 Apr 26 20:35 6617 Jul 09 16:49 6617 Aug 07 12:11 6617 Sep 05 16:57	18°Y52'08 15°Y31'40 15°Y32'04 12°Y11'51 19°Y22'51 21°Y22'33 21°Y22'32 21°Y23'12 23°Y22'36 0°8 0°840'47 30°RY 27°Y19'37	8.86236 AU -1°32'43 1°32'45 10.85341 AU	retrograde opposition min. Earth dist. direct evening set conjunction minimum elong max. Earth dist. morning rise	6622 Jun 26 13:59 6622 Aug 28 02:59 6622 Oct 09 22:37 6622 Nov 22 10:47 6622 Dec 18 19:52 6622 Dec 18 15:49 6623 Feb 24 17:34 6623 May 17 20:21 6623 Jun 05 04:02 6623 Jun 22 08:22 6623 Jun 22 08:24 6623 Jun 22 12:52 6623 Jul 09 16:58	0°5 1°529'45 30°8 II 28° II 04'27 28° II 05'14 24° II 43'20 0°5 2°508'52 4°515'42 4°515'43 4°517'06 6°523'50	8.57306 AU -1°47'19 1°47'23 10.53642 AU
opposition min. Earth dist. direct evening set conjunction minimum elong max. Earth dist. morning rise retrograde opposition	6616 Jul 26 02:21 6616 Oct 04 10:58 6616 Oct 04 08:50 6616 Dec 13 11:20 6617 Apr 10 03:10 6617 Apr 10 03:08 6617 Apr 10 05:22 6617 Apr 26 20:35 6617 Jul 09 16:49 6617 Aug 07 12:11 6617 Sep 05 16:57 6617 Oct 17 00:11	18°Y52'08 15°Y31'40 15°Y32'04 12°Y11'51 19°Y22'51 21°Y22'33 21°Y22'32 21°Y23'12 23°Y22'36 0°8 0°840'47 30°RY 27°Y19'37	8.86236 AU -1°32'43 1°32'45 10.85341 AU -2°03'44	retrograde opposition min. Earth dist. direct evening set conjunction minimum elong max. Earth dist. morning rise retrograde	6622 Jun 26 13:59 6622 Aug 28 02:59 6622 Oct 09 22:37 6622 Nov 22 10:47 6622 Dec 18 19:52 6622 Dec 18 15:49 6623 Feb 24 17:34 6623 May 17 20:21 6623 Jun 05 04:02 6623 Jun 22 08:22 6623 Jun 22 08:24 6623 Jun 22 12:52 6623 Jul 09 16:58 6623 Oct 23 07:56	0°% 1°%29'45 30°RII 28°II 04'27 28°II 05'14 24°II 43'20 0°% 2°%08'52 4°%15'42 4°%15'43 4°%17'06 6°%23'50 14°%11'27 10°%45'27	8.57306 AU -1°47'19 1°47'23 10.53642 AU

direct	6624 Mar 08 13:40	7° 5 23'35			6629 Nov 03 01:02	0∘ ত	
evening set	6624 Jun 17 05:56	14° 9 54'02		retrograde	6630 Jan 12 11:41	0 = 4° ⊆ 03'43	
evening set	0024 Juli 17 03.30	14 903402		opposition	6630 Mar 20 19:14	4 ೭ 03 43 0° ჲ 36'41	1°09'36
	((24 I-1 04 14.25	179602150	1920122	**			
conjunction	6624 Jul 04 14:35	17°502'59		min. Earth dist.	6630 Mar 20 20:22	0° £ 36′27	8.21125 AU
minimum elong	6624 Jul 04 14:38	17°503'00			6630 Mar 28 08:27	30°R Mp	
max. Earth dist.	6624 Jul 04 19:28		10.46571 AU	direct	6630 May 27 02:57	27° m 09'25	
morning rise	6624 Jul 22 03:22	19° © 13'12			6630 Jul 23 23:29	0∘ ⊽	
retrograde	6624 Nov 04 22:53	27° © 05'25		evening set	6630 Sep 08 09:19	5° ഫ 09'39	
opposition	6625 Jan 13 03:33	23° © 38'48	-1°39'07				
min. Earth dist.	6625 Jan 12 23:47	23° © 39'33	8.43186 AU	conjunction	6630 Sep 26 09:18	7° £ 26'30	1°08'44
direct	6625 Mar 21 12:31	20° © 16'05		minimum elong	6630 Sep 26 09:15	7° ≏ 26'29	1°08'45
evening set	6625 Jun 30 14:58	27° © 51'48		max. Earth dist.	6630 Sep 26 07:09	7° £ 25'49	10.20818 AU
	6625 Jul 17 18:54	$0 {\circ} \Omega$		morning rise	6630 Oct 14 08:56	9° ≙ 43'17	
				retrograde	6631 Jan 26 09:33	17° ≏ 43'11	
conjunction	6625 Jul 18 04:01	0° Ω 02'51	-1°08'58	opposition	6631 Apr 03 12:18	14° ≙ 16'38	1°40'07
minimum elong	6625 Jul 18 04:03	0° Ω 02'52	1°09'01	min. Earth dist.	6631 Apr 03 13:33	14° ≙ 16′23	8.21063 AU
max. Earth dist.	6625 Jul 18 08:57	0° Ω 04'25	10.39834 AU	direct	6631 Jun 10 02:09	10° ≙ 48'50	
morning rise	6625 Aug 04 20:46	2° Ω 15′06		evening set	6631 Sep 22 23:00	18° ≏ 51'24	
retrograde	6625 Nov 18 17:10	10° Ω 11'09		Č	1		
opposition	6626 Jan 26 11:44	6° Ω 44'04	-1°09'57	conjunction	6631 Oct 10 21:58	21° ≏ 07'52	1°31'12
min. Earth dist.	6626 Jan 26 08:04	6°Ω44'48		minimum elong	6631 Oct 10 21:55	21° ♀ 07'51	1°31'14
direct	6626 Apr 03 16:17	3° Ω 20′25	0.50700110	max. Earth dist.	6631 Oct 10 19:37	21° ⊆ 07'07	
evening set	6626 Jul 14 07:10	11° Ω 01'34		morning rise	6631 Oct 28 19:27	23° Ω 23'55	10.21021710
evening set	0020 Jul 14 07.10	11 0601 54		morning risc	6632 Jan 01 09:34	0°M	
	((2(A 01 00-10	13° Ω 14'34	0942121			1°M20'55	
conjunction	6626 Aug 01 00:10			retrograde	6632 Feb 09 06:00		
minimum elong	6626 Aug 01 00:12	13° Ω 14'34		•,•	6632 Mar 19 14:16	30°R Ω	200.415.5
max. Earth dist.	6626 Aug 01 04:12		10.33735 AU	opposition	6632 Apr 16 05:10	27° £ 55′00	2°04'55
	6626 Aug 15 00:03	15° Ω		min. Earth dist.	6632 Apr 16 06:45	27° £ 54'41	8.22789 AU
morning rise	6626 Aug 18 20:22	15° Ω 28'36		direct	6632 Jun 23 01:42	24° £ 26'52	
retrograde	6626 Dec 02 13:51	23° Ω 27'34			6632 Sep 15 14:54	0°M₊	
opposition	6627 Feb 08 22:34	20° Ω 00'11		evening set	6632 Oct 06 11:39	2°M30'13	
min. Earth dist.	6627 Feb 08 19:46	20° Ω 00'45	8.31009 AU				
direct	6627 Apr 17 00:36	16° Ω 35'32		conjunction	6632 Oct 24 08:38	4°M45'47	1°48'28
evening set	6627 Jul 28 06:02	24° Ω 22'04		minimum elong	6632 Oct 24 08:36	4°M45'46	1°48'31
				max. Earth dist.	6632 Oct 24 05:44	4°M44'52	10.24178 AU
conjunction	6627 Aug 15 02:18	26° Ω 36'44	-0°15'27	morning rise	6632 Nov 11 03:10	7°M00'39	
minimum elong	6627 Aug 15 02:18	26° Ω 36'44	0°15'29	retrograde	6633 Feb 21 23:40	14°M53'32	
behind sun begin	6627 Aug 15 00:45	26° Ω 36'15		opposition	6633 Apr 29 20:55	11°M28'25	2°22'34
behind sun end	6627 Aug 15 03:52	26° Ω 37'13		min. Earth dist.	6633 Apr 29 23:14	11° M 27'57	8.26199 AU
max. Earth dist.	6627 Aug 15 04:21	26° Ω 37'23	10.28537 AU	direct	6633 Jul 07 01:49	8°M00'09	
morning rise	6627 Sep 02 01:11	28° Ω 52'13			6633 Oct 12 08:22	15° ™	
Ü	6627 Sep 11 07:02	0° m		evening set	6633 Oct 20 20:52	16°M02'39	
retrograde	6627 Dec 16 12:43	6° m 53'07		- · · · · · · · · · · · · · · · · · · ·			
opposition	6628 Feb 22 11:45	3° m/ 25'38	-0°00'54	conjunction	6633 Nov 07 15:12	18°M16'54	1°59'37
min. Earth dist.	6628 Feb 22 10:34	3° m/ 25'53		minimum elong	6633 Nov 07 15:11	18°M16'54	
asc. node	6628 Mar 02 22:41	2° Mp 40'07	0.20337110	max. Earth dist.	6633 Nov 07 11:32		10.28337 AU
direct	6628 Apr 29 12:45	29° £ 59'59		morning rise	6633 Nov 25 06:26	20°M30'15	10.20337 AC
direct	6628 Apr 29 03:17	20°RΩ		-	6634 Mar 07 11:33	28°M18'04	
	6628 Apr 29 22:13	0°M)		retrograde opposition	6634 May 13 11:00	24°M53'51	2°32'13
	•			**	•		
evening set	6628 Aug 10 10:47	7° m 51'45		min. Earth dist.	6634 May 13 14:12	24°M53'13	8.31085 AU
	((20 A 20 00 27	100 m 07141	0012140	direct	6634 Jul 21 02:08	21°M25'42	
conjunction	6628 Aug 28 09:27	10° Mp 07'41		evening set	6634 Nov 04 00:33	29°M25'40	
minimum elong	6628 Aug 28 09:26	10° m 07'41	0°13'47		6634 Nov 08 15:09	0° ∡ 7	
behind sun begin	6628 Aug 28 05:44	10°Mp06'31				_	
behind sun end	6628 Aug 28 13:08	10° mp 08'51	10.0115= :	conjunction	6634 Nov 21 15:55	1°×38'20	2°04'11
max. Earth dist.	6628 Aug 28 09:26		10.24467 AU	minimum elong	6634 Nov 21 15:55	1° ≯ 38′20	2°04'14
morning rise	6628 Sep 15 09:57	12°m/24'11		max. Earth dist.	6634 Nov 21 11:23		10.33849 AU
retrograde	6628 Dec 29 12:57	20° m 25'59		morning rise	6634 Dec 09 03:50	3° х ⁴49'58	
opposition	6629 Mar 07 02:52	16° m 58'38	0°35'13	retrograde	6635 Mar 20 18:33	11° ₹ 32'09	
min. Earth dist.	6629 Mar 07 03:09	16° m 58′35	8.22946 AU	opposition	6635 May 26 22:30	8° ≯ 08'51	
direct	6629 May 13 05:39	13° m 32'06		min. Earth dist.	6635 May 27 02:10	8° ₰ 08'07	8.37156 AU
evening set	6629 Aug 24 20:32	21°M/28'36		direct	6635 Aug 04 00:03	4° ₰ 741'02	
				evening set	6635 Nov 17 21:42	12° ₹ 37'04	
conjunction	6629 Sep 11 20:26	23° m 45'17	0°42'24				
minimum elong	6629 Sep 11 20:24	23°M/45'16	0°42'24	conjunction	6635 Dec 05 10:07	14° ≯ 48′01	2°02'08
max. Earth dist.	6629 Sep 11 18:55	23° m 44'48	10.21805 AU	minimum elong	6635 Dec 05 10:08	14° ≯ 48'01	2°02'11
morning rise	6629 Sep 29 21:10	26° m 02'13		max. Earth dist.	6635 Dec 05 05:09	14° ∡ °46′28	10.40392 AU
- C							

manning rise	6635 Dec 22 18:51	16° ∡ 57'50			6642 Feb 23 08:53	0°) €	
morning rise						0 X 1° ¥ 20'57	
retrograde	6636 Apr 01 21:18	24° 🗷 34'03	2027150	morning rise	6642 Mar 06 15:30		
opposition	6636 Jun 08 06:48	21° 🗷 11'39	2°26'58	retrograde	6642 Jun 15 04:23	8°) (32′27	
min. Earth dist.	6636 Jun 08 10:12	21°×10'59	8.44061 AU	desc. node	6642 Jul 12 10:24	7° ¥ 55'58	0000104
direct	6636 Aug 16 17:56	17° ∡ ¹44'25		opposition	6642 Aug 23 16:03	5°) 13′30	
evening set	6636 Nov 30 11:24	25° ₹ 35'23		min. Earth dist.	6642 Aug 23 15:54		8.83260 AU
				direct	6642 Nov 02 06:42	1° ¥ 52'04	
conjunction	6636 Dec 17 21:01	27° ∡ ⁴44'36	1°53'52	evening set	6643 Feb 12 22:39	9° ₩ 09'53	
minimum elong	6636 Dec 17 21:03	27° ∡ ⁴44'37	1°53'55				
max. Earth dist.	6636 Dec 17 16:36	27° ∡ ¹43'13	10.47601 AU	conjunction	6643 Mar 01 18:47	11° ∺ 10'43	
morning rise	6637 Jan 04 02:44	29° ₹ 52'38		minimum elong	6643 Mar 01 18:47	11°) (10′43	0°15'53
	6637 Jan 05 02:55	0°ප		behind sun begin	6643 Mar 01 17:19	11°) (10′16	
retrograde	6637 Apr 14 19:05	7° る 22'57		behind sun end	6643 Mar 01 20:15	11° ∺ 11′09	
opposition	6637 Jun 21 12:01	4° る 01'25	2°13'03	max. Earth dist.	6643 Mar 01 19:07	11° ∺ 10'48	10.85126 AU
min. Earth dist.	6637 Jun 21 14:44	4° る 00'53	8.51433 AU	morning rise	6643 Mar 18 13:17	13° ℋ 11'06	
direct	6637 Aug 30 08:12	0° る 34'57		retrograde	6643 Jun 27 10:05	20° ∺ 21'59	
evening set	6637 Dec 13 17:15	8° ろ 20'08		opposition	6643 Sep 05 05:30	17°) €03'02	-0°34'53
				min. Earth dist.	6643 Sep 05 04:47	17°) €03'10	8.86640 AU
conjunction	6637 Dec 31 00:14	10° る 27'37	1°40'06	direct	6643 Nov 14 17:07	13°) 42′28	
minimum elong	6637 Dec 31 00:16	10°る27'38	1°40'09	evening set	6644 Feb 24 20:48	20° ¥ 56'50	
max. Earth dist.	6637 Dec 30 20:52	10° る 26'35	10.55102 AU	C			
morning rise	6638 Jan 17 03:13	12° る 33'57		conjunction	6644 Mar 12 15:13	22°) €56'54	-0°40'52
retrograde	6638 Apr 27 13:05	19° る 58'49		minimum elong	6644 Mar 12 15:12	22°) 56'53	0°40'52
opposition	6638 Jul 04 13:55	16° る 38'04	1°52'55	max. Earth dist.	6644 Mar 12 15:55		10.87786 AU
min. Earth dist.	6638 Jul 04 16:11	16° る 37'38	8.58909 AU	morning rise	6644 Mar 29 08:52	24°) 56'45	10.07700110
direct	6638 Sep 12 17:18	13° る 12'32	0.50707110	morning rise	6644 May 17 23:46	0°Υ	
evening set	6638 Dec 26 15:47	20° ප 51'36		retrograde	6644 Jul 08 16:21	2°Υ08'09	
evening set	0038 DCC 20 13.47	20 03130		retrograde	6644 Aug 31 13:01	2 1 08 09 30°R ∺	
conjunction	6639 Jan 12 20:17	22° る 57'28	1°21'44	opposition	6644 Sep 16 18:02	28°) 49'01	100424
•	6639 Jan 12 20:19	22° ろ 57'28	1°21'47	min. Earth dist.	6644 Sep 16 17:11	28°) (4901	8.88596 AU
minimum elong						28 X 4911 25° X 29'08	6.86390 AU
max. Earth dist.	6639 Jan 12 17:34	25° ろ 02'13	10.62533 AU	direct	6644 Nov 26 02:19	23° π 29'08 0° Υ	
morning rise	6639 Jan 29 20:58			. ,	6645 Feb 11 16:45		
	6639 Mar 17 20:22	0°≈		evening set	6645 Mar 07 17:19	2° Y 41'02	
retrograde	6639 May 10 03:45	2°≈22'16				4000 4010 6	100.4102
	6639 Jul 04 19:00	30°Rる		conjunction	6645 Mar 24 10:24	4°Υ40'36	
opposition	6639 Jul 17 12:26	29° る 02'13	1°27'49	minimum elong	6645 Mar 24 10:22	4°Υ40'36	
min. Earth dist.	6639 Jul 17 14:54	29° る 01'44	8.66142 AU	max. Earth dist.	6645 Mar 24 11:13		10.88972 AU
direct							
unect	6639 Sep 25 20:28	25° る 37'41		morning rise	6645 Apr 10 03:39	6° Y 40'12	
direct	6639 Dec 11 01:46	0° ≈		retrograde	6645 Jul 20 22:29	13° Y 53'14	
evening set	*			retrograde opposition	6645 Jul 20 22:29 6645 Sep 29 06:10	13°Υ53'14 10°Υ33'41	
evening set	6639 Dec 11 01:46	0° ≈		retrograde opposition min. Earth dist.	6645 Jul 20 22:29 6645 Sep 29 06:10 6645 Sep 29 04:48	13°Y53'14 10°Y33'41 10°Y33'56	-1°31'29 8.89052 AU
	6639 Dec 11 01:46 6640 Jan 08 07:34 6640 Jan 25 09:38	0° ≈	0°59'50	retrograde opposition min. Earth dist. direct	6645 Jul 20 22:29 6645 Sep 29 06:10 6645 Sep 29 04:48 6645 Dec 08 09:07	13°Y53'14 10°Y33'41 10°Y33'56 7°Y14'19	
evening set	6639 Dec 11 01:46 6640 Jan 08 07:34	0°≈ 3°≈10'43	0°59'50 0°59'53	retrograde opposition min. Earth dist.	6645 Jul 20 22:29 6645 Sep 29 06:10 6645 Sep 29 04:48	13°Y53'14 10°Y33'41 10°Y33'56	
evening set	6639 Dec 11 01:46 6640 Jan 08 07:34 6640 Jan 25 09:38	0°≈ 3°≈10'43 5°≈15'04		retrograde opposition min. Earth dist. direct	6645 Jul 20 22:29 6645 Sep 29 06:10 6645 Sep 29 04:48 6645 Dec 08 09:07	13°Y53'14 10°Y33'41 10°Y33'56 7°Y14'19	
evening set conjunction minimum elong	6639 Dec 11 01:46 6640 Jan 08 07:34 6640 Jan 25 09:38 6640 Jan 25 09:40	0°≈ 3°≈10'43 5°≈15'04 5°≈15'05	0°59'53	retrograde opposition min. Earth dist. direct	6645 Jul 20 22:29 6645 Sep 29 06:10 6645 Sep 29 04:48 6645 Dec 08 09:07	13°Y53'14 10°Y33'41 10°Y33'56 7°Y14'19	8.89052 AU
evening set conjunction minimum elong max. Earth dist.	6639 Dec 11 01:46 6640 Jan 08 07:34 6640 Jan 25 09:38 6640 Jan 25 09:40 6640 Jan 25 06:43	0°≈ 3°≈10'43 5°≈15'04 5°≈15'05 5°≈14'11	0°59'53	retrograde opposition min. Earth dist. direct evening set	6645 Jul 20 22:29 6645 Sep 29 06:10 6645 Sep 29 04:48 6645 Dec 08 09:07 6646 Mar 19 13:12	13°Y53'14 10°Y33'41 10°Y33'56 7°Y14'19 14°Y24'45 16°Y24'07 16°Y24'07	8.89052 AU -1°24'31 1°24'33
evening set conjunction minimum elong max. Earth dist. morning rise	6639 Dec 11 01:46 6640 Jan 08 07:34 6640 Jan 25 09:38 6640 Jan 25 09:40 6640 Jan 25 06:43 6640 Feb 11 08:27	0°≈ 3°≈10'43 5°≈15'04 5°≈15'05 5°≈14'11 7°≈18'27	0°59'53	retrograde opposition min. Earth dist. direct evening set conjunction	6645 Jul 20 22:29 6645 Sep 29 06:10 6645 Sep 29 04:48 6645 Dec 08 09:07 6646 Mar 19 13:12 6646 Apr 05 05:35	13°Y53'14 10°Y33'41 10°Y33'56 7°Y14'19 14°Y24'45 16°Y24'07 16°Y24'07	8.89052 AU -1°24'31
evening set conjunction minimum elong max. Earth dist. morning rise retrograde	6639 Dec 11 01:46 6640 Jan 08 07:34 6640 Jan 25 09:38 6640 Jan 25 09:40 6640 Jan 25 06:43 6640 Feb 11 08:27 6640 May 21 12:56	0°≈ 3°≈10'43 5°≈15'04 5°≈15'05 5°≈14'11 7°≈18'27 14°≈34'32	0°59'53 10.69543 AU	retrograde opposition min. Earth dist. direct evening set conjunction minimum elong	6645 Jul 20 22:29 6645 Sep 29 06:10 6645 Sep 29 04:48 6645 Dec 08 09:07 6646 Mar 19 13:12 6646 Apr 05 05:35 6646 Apr 05 05:33	13°Y53'14 10°Y33'41 10°Y33'56 7°Y14'19 14°Y24'45 16°Y24'07 16°Y24'07	8.89052 AU -1°24'31 1°24'33
evening set conjunction minimum elong max. Earth dist. morning rise retrograde opposition	6639 Dec 11 01:46 6640 Jan 08 07:34 6640 Jan 25 09:38 6640 Jan 25 09:40 6640 Jan 25 06:43 6640 Feb 11 08:27 6640 May 21 12:56 6640 Jul 29 08:06	0°≈ 3°≈10'43 5°≈15'04 5°≈15'05 5°≈14'11 7°≈18'27 14°≈34'32 11°≈15'04	0°59'53 10.69543 AU 0°59'07	retrograde opposition min. Earth dist. direct evening set conjunction minimum elong max. Earth dist.	6645 Jul 20 22:29 6645 Sep 29 06:10 6645 Sep 29 04:48 6645 Dec 08 09:07 6646 Mar 19 13:12 6646 Apr 05 05:33 6646 Apr 05 07:34	13°Y53'14 10°Y33'41 10°Y33'56 7°Y14'19 14°Y24'45 16°Y24'07 16°Y24'07 16°Y24'43	8.89052 AU -1°24'31 1°24'33
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evening set conjunction minimum elong max. Earth dist. morning rise retrograde opposition min. Earth dist. direct evening set conjunction minimum elong max. Earth dist. morning rise retrograde opposition min. Earth dist. direct evening set	6639 Dec 11 01:46 6640 Jan 08 07:34 6640 Jan 25 09:38 6640 Jan 25 09:40 6640 Jan 25 06:43 6640 Feb 11 08:27 6640 May 21 12:56 6640 Jul 29 08:06 6640 Jul 29 10:20 6640 Oct 07 19:39 6641 Jan 17 01:12 6641 Feb 05 17:03 6641 Feb 05 17:04 6641 Feb 05 14:31 6641 Feb 05 14:31 6641 Feb 22 14:15 6641 Jun 02 20:49 6641 Aug 11 01:12 6641 Aug 11 02:23 6641 Oct 20 16:24 6642 Jan 31 21:54	0°≈ 3°≈10'43 5°≈15'04 5°≈15'05 5°≈14'11 7°≈18'27 14°≈34'32 11°≈15'04 11°≈4'39 7°≈51'35 15°≈ 15°≈18'56 17°≈21'54 17°≈21'54 17°≈21'08 19°≈24'04 26°≈37'20 23°≈18'13 23°≈18'00 19°≈55'47 27°≈18'00	0°59'53 10.69543 AU 0°59'07 8.72796 AU 0°35'32 0°35'34 10.75816 AU 0°28'12 8.78582 AU	retrograde opposition min. Earth dist. direct evening set conjunction minimum elong max. Earth dist. morning rise retrograde opposition min. Earth dist. direct evening set conjunction minimum elong max. Earth dist. morning rise retrograde opposition minimum elong max. Earth dist.	6645 Jul 20 22:29 6645 Sep 29 06:10 6645 Sep 29 04:48 6645 Dec 08 09:07 6646 Mar 19 13:12 6646 Apr 05 05:35 6646 Apr 05 07:34 6646 Apr 05 07:34 6646 Apr 21 22:48 6646 Apr 21 22:48 6646 Oct 11 18:25 6646 Oct 11 15:55 6646 Dec 20 15:52 6647 Mar 31 09:52 6647 Apr 17 02:05 6647 Apr 17 02:03 6647 Apr 17 02:03 6647 Apr 17 05:09 6647 May 02 10:32 6647 Aug 14 19:35 6647 Oct 24 07:23 6647 Oct 24 07:23	13°Y53'14 10°Y33'41 10°Y33'56 7°Y14'19 14°Y24'45 16°Y24'07 16°Y24'07 16°Y24'43 18°Y23'46 25°Y39'26 22°Y19'16 22°Y19'14 26°Y10'14 28°Y09'47 28°Y09'46 28°Y10'42 0°8 0°809'46 7°828'58 4°808'04 4°808'38	8.89052 AU -1°24'31 1°24'33 10.88621 AU -1°54'37 8.87944 AU -1°41'30 1°41'32 10.86686 AU
evening set conjunction minimum elong max. Earth dist. morning rise retrograde opposition min. Earth dist. direct evening set conjunction minimum elong max. Earth dist. morning rise retrograde opposition min. Earth dist. direct evening set	6639 Dec 11 01:46 6640 Jan 08 07:34 6640 Jan 25 09:38 6640 Jan 25 09:40 6640 Jan 25 06:43 6640 Feb 11 08:27 6640 May 21 12:56 6640 Jul 29 08:06 6640 Jul 29 10:20 6640 Oct 07 19:39 6641 Jan 17 01:12 6641 Feb 05 17:03 6641 Feb 05 17:04 6641 Feb 05 14:31 6641 Feb 05 14:31 6641 Feb 05 14:31 6641 Feb 02 20:49 6641 Aug 11 01:12 6641 Aug 11 01:12 6641 Oct 20 16:24 6642 Feb 17 19:46	0°≈ 3°≈10'43 5°≈15'04 5°≈15'05 5°≈14'11 7°≈18'27 14°≈34'32 11°≈15'04 11°≈14'39 7°≈51'35 15°≈ 15°≈18'56 17°≈21'54 17°≈21'54 17°≈21'08 19°≈24'04 26°≈37'20 23°≈18'13 23°≈18'00 19°≈55'47 27°≈18'00	0°59'53 10.69543 AU 0°59'07 8.72796 AU 0°35'32 0°35'34 10.75816 AU 0°28'12 8.78582 AU	retrograde opposition min. Earth dist. direct evening set conjunction minimum elong max. Earth dist. morning rise retrograde opposition min. Earth dist. direct evening set conjunction minimum elong max. Earth dist. morning rise retrograde opposition minimum elong max. Earth dist.	6645 Jul 20 22:29 6645 Sep 29 06:10 6645 Sep 29 04:48 6645 Dec 08 09:07 6646 Mar 19 13:12 6646 Apr 05 05:35 6646 Apr 05 07:34 6646 Apr 05 07:34 6646 Apr 21 22:48 6646 Apr 21 22:48 6646 Oct 11 18:25 6646 Oct 11 15:55 6646 Dec 20 15:52 6647 Apr 17 02:05 6647 Apr 17 02:05 6647 Apr 17 02:03 6647 Apr 17 02:03 6647 Apr 17 05:09 6647 May 02 10:32 6647 Aug 14 19:35 6647 Oct 24 07:23 6647 Oct 24 04:17 6648 Jan 01 21:00	13°Y53'14 10°Y33'41 10°Y33'56 7°Y14'19 14°Y24'45 16°Y24'07 16°Y24'07 16°Y24'43 18°Y23'46 25°Y39'26 22°Y19'16 22°Y19'14 26°Y10'14 28°Y09'47 28°Y09'47 28°Y09'46 28°Y10'42 0°8 0°809'46 7°828'58 4°808'04 4°808'38 0°849'08	8.89052 AU -1°24'31 1°24'33 10.88621 AU -1°54'37 8.87944 AU -1°41'30 1°41'32 10.86686 AU
evening set conjunction minimum elong max. Earth dist. morning rise retrograde opposition min. Earth dist. direct evening set conjunction minimum elong max. Earth dist. morning rise retrograde opposition min. Earth dist. direct evening set conjunction min. Earth dist. direct evening set	6639 Dec 11 01:46 6640 Jan 25 09:38 6640 Jan 25 09:40 6640 Jan 25 09:40 6640 Jan 25 06:43 6640 Feb 11 08:27 6640 May 21 12:56 6640 Jul 29 08:06 6640 Jul 29 10:20 6640 Oct 07 19:39 6641 Jan 17 01:12 6641 Feb 05 17:03 6641 Feb 05 17:04 6641 Feb 05 14:31 6641 Feb 05 14:31 6641 Feb 22 14:15 6641 Jun 02 20:49 6641 Aug 11 01:12 6641 Aug 11 02:23 6641 Oct 20 16:24 6642 Feb 17 19:46 6642 Feb 17 19:46	0°≈ 3°≈10'43 5°≈15'04 5°≈15'05 5°≈14'11 7°≈18'27 14°≈34'32 11°≈15'04 11°≈14'39 7°≈51'35 15°≈ 15°≈18'56 17°≈21'54 17°≈21'54 17°≈21'08 19°≈24'04 26°≈37'20 23°≈18'13 23°≈18'00 19°≈55'47 27°≈18'00 29°≈19'47 29°≈19'47	0°59'53 10.69543 AU 0°59'07 8.72796 AU 0°35'32 0°35'34 10.75816 AU 0°28'12 8.78582 AU	retrograde opposition min. Earth dist. direct evening set conjunction minimum elong max. Earth dist. morning rise retrograde opposition min. Earth dist. direct evening set conjunction minimum elong max. Earth dist. morning rise retrograde opposition minimum elong max. Earth dist.	6645 Jul 20 22:29 6645 Sep 29 06:10 6645 Sep 29 04:48 6645 Dec 08 09:07 6646 Mar 19 13:12 6646 Apr 05 05:35 6646 Apr 05 07:34 6646 Apr 05 07:34 6646 Apr 21 22:48 6646 Apr 21 22:48 6646 Oct 11 18:25 6646 Oct 11 15:55 6646 Dec 20 15:52 6647 Mar 31 09:52 6647 Apr 17 02:05 6647 Apr 17 02:03 6647 Apr 17 02:03 6647 Apr 17 05:09 6647 May 02 10:32 6647 Aug 14 19:35 6647 Oct 24 07:23 6647 Oct 24 07:23	13°Y53'14 10°Y33'41 10°Y33'56 7°Y14'19 14°Y24'45 16°Y24'07 16°Y24'07 16°Y24'43 18°Y23'46 25°Y39'26 22°Y19'16 22°Y19'14 26°Y10'14 28°Y09'47 28°Y09'46 28°Y10'42 0°8 0°809'46 7°828'58 4°808'04 4°808'38	8.89052 AU -1°24'31 1°24'33 10.88621 AU -1°54'37 8.87944 AU -1°41'30 1°41'32 10.86686 AU
evening set conjunction minimum elong max. Earth dist. morning rise retrograde opposition min. Earth dist. direct evening set conjunction minimum elong max. Earth dist. morning rise retrograde opposition min. Earth dist. direct evening set conjunction min. Earth dist. direct evening set conjunction min. Earth dist. direct evening set	6639 Dec 11 01:46 6640 Jan 08 07:34 6640 Jan 25 09:38 6640 Jan 25 09:40 6640 Jan 25 09:40 6640 Jan 25 06:43 6640 Feb 11 08:27 6640 May 21 12:56 6640 Jul 29 08:06 6640 Jul 29 10:20 6640 Oct 07 19:39 6641 Jan 17 01:12 6641 Feb 05 17:03 6641 Feb 05 17:04 6641 Feb 05 14:31 6641 Feb 05 14:31 6641 Feb 22 14:15 6641 Jun 02 20:49 6641 Aug 11 01:12 6641 Aug 11 02:23 6641 Oct 20 16:24 6642 Feb 17 19:46 6642 Feb 17 19:47 6642 Feb 17 19:47	0°≈ 3°≈10'43 5°≈15'04 5°≈15'05 5°≈14'11 7°≈18'27 14°≈34'32 11°≈15'04 11°≈14'39 7°≈51'35 15°≈ 15°≈18'56 17°≈21'54 17°≈21'54 17°≈21'08 19°≈24'04 26°≈37'20 23°≈18'13 23°≈18'00 19°≈55'47 27°≈18'00 29°≈19'47 29°≈19'47 29°≈19'47	0°59'53 10.69543 AU 0°59'07 8.72796 AU 0°35'32 0°35'34 10.75816 AU 0°28'12 8.78582 AU	retrograde opposition min. Earth dist. direct evening set conjunction minimum elong max. Earth dist. morning rise retrograde opposition min. Earth dist. direct evening set conjunction minimum elong max. Earth dist. morning rise retrograde opposition minimum elong max. Earth dist.	6645 Jul 20 22:29 6645 Sep 29 06:10 6645 Sep 29 04:48 6645 Dec 08 09:07 6646 Mar 19 13:12 6646 Apr 05 05:35 6646 Apr 05 07:34 6646 Apr 05 07:34 6646 Apr 21 22:48 6646 Apr 21 22:48 6646 Oct 11 18:25 6646 Oct 11 15:55 6646 Dec 20 15:52 6647 Apr 17 02:05 6647 Apr 17 02:05 6647 Apr 17 02:03 6647 Apr 17 02:03 6647 Apr 17 05:09 6647 May 02 10:32 6647 Aug 14 19:35 6647 Oct 24 07:23 6647 Oct 24 07:23 6648 Apr 11 08:21	13°Y53'14 10°Y33'41 10°Y33'56 7°Y14'19 14°Y24'45 16°Y24'07 16°Y24'07 16°Y24'43 18°Y23'46 25°Y39'26 22°Y19'16 22°Y19'14 26°Y10'14 28°Y09'47 28°Y09'47 28°Y09'46 28°Y10'42 0°8 0°809'46 7°828'58 4°808'04 4°808'38 0°849'08 7°859'48	8.89052 AU -1°24'31 1°24'33 10.88621 AU -1°54'37 8.87944 AU -1°41'30 1°41'32 10.86686 AU -2°13'01 8.85246 AU
evening set conjunction minimum elong max. Earth dist. morning rise retrograde opposition min. Earth dist. direct evening set conjunction minimum elong max. Earth dist. morning rise retrograde opposition min. Earth dist. direct evening set conjunction min. Earth dist. direct evening set	6639 Dec 11 01:46 6640 Jan 25 09:38 6640 Jan 25 09:40 6640 Jan 25 09:40 6640 Jan 25 06:43 6640 Feb 11 08:27 6640 May 21 12:56 6640 Jul 29 08:06 6640 Jul 29 10:20 6640 Oct 07 19:39 6641 Jan 17 01:12 6641 Feb 05 17:03 6641 Feb 05 17:04 6641 Feb 05 14:31 6641 Feb 05 14:31 6641 Feb 22 14:15 6641 Jun 02 20:49 6641 Aug 11 01:12 6641 Aug 11 02:23 6641 Oct 20 16:24 6642 Feb 17 19:46 6642 Feb 17 19:46	0°≈ 3°≈10'43 5°≈15'04 5°≈15'05 5°≈14'11 7°≈18'27 14°≈34'32 11°≈15'04 11°≈14'39 7°≈51'35 15°≈ 15°≈18'56 17°≈21'54 17°≈21'54 17°≈21'08 19°≈24'04 26°≈37'20 23°≈18'13 23°≈18'00 19°≈55'47 27°≈18'00 29°≈19'47 29°≈19'47 29°≈19'47 29°≈19'47	0°59'53 10.69543 AU 0°59'07 8.72796 AU 0°35'32 0°35'34 10.75816 AU 0°28'12 8.78582 AU	retrograde opposition min. Earth dist. direct evening set conjunction minimum elong max. Earth dist. morning rise retrograde opposition min. Earth dist. direct evening set conjunction minimum elong max. Earth dist. morning rise retrograde opposition minimum elong max. Earth dist.	6645 Jul 20 22:29 6645 Sep 29 06:10 6645 Sep 29 04:48 6645 Dec 08 09:07 6646 Mar 19 13:12 6646 Apr 05 05:35 6646 Apr 05 07:34 6646 Apr 05 07:34 6646 Apr 21 22:48 6646 Apr 21 22:48 6646 Oct 11 18:25 6646 Oct 11 15:55 6646 Dec 20 15:52 6647 Apr 17 02:05 6647 Apr 17 02:05 6647 Apr 17 02:03 6647 Apr 17 02:03 6647 Apr 17 05:09 6647 May 02 10:32 6647 Aug 14 19:35 6647 Oct 24 07:23 6647 Oct 24 04:17 6648 Jan 01 21:00	13°Y53'14 10°Y33'41 10°Y33'56 7°Y14'19 14°Y24'45 16°Y24'07 16°Y24'07 16°Y24'43 18°Y23'46 25°Y39'26 22°Y19'16 22°Y19'14 26°Y10'14 28°Y09'47 28°Y09'47 28°Y09'46 28°Y10'42 0°8 0°809'46 7°828'58 4°808'04 4°808'38 0°849'08	8.89052 AU -1°24'31 1°24'33 10.88621 AU -1°54'37 8.87944 AU -1°41'30 1°41'32 10.86686 AU -2°13'01 8.85246 AU -1°54'16

max. Earth dist.	6648 Apr 28 04:00	10° 8 00'46	10.83182 AU	max. Earth dist.	6654 Jul 12 10:22	24° © 21'20	10.42202 AU
morning rise	6648 May 14 19:44	12° 8 00'35		morning rise	6654 Jul 29 22:53	26° © 31'55	
	6648 Jun 10 14:16	15° 8			6654 Aug 29 02:19	$0^{\circ}\Omega$	
retrograde	6648 Aug 26 09:52	19° 8 24'09		retrograde	6654 Nov 12 18:51	4° Ω 26′20	
opposition	6648 Nov 04 22:00	16° 8 02'23	-2°25'54	opposition	6655 Jan 20 18:16	0° Ω 59'05	-1°23'56
min. Earth dist.	6648 Nov 04 19:09	16° 8 02'56	8.81009 AU	min. Earth dist.	6655 Jan 20 16:17	0° Ω 59'29	8.38640 AU
	6648 Nov 18 22:27	15° ₹ 8			6655 Feb 02 07:12	30° ₹ 5	
direct	6649 Jan 13 02:08	12° 8 43'21		direct	6655 Mar 29 01:04	27° © 35'22	
	6649 Mar 06 21:01	15° 8			6655 May 20 22:24	$0^{\circ}\Omega$	
evening set	6649 Apr 23 09:38	19° 8 55'46		evening set	6655 Jul 08 09:26	5° Ω 14'14	
conjunction	6649 May 10 03:26	21° 8 56'44	-2°02'12	conjunction	6655 Jul 26 00:34	7° Ω 26′28	
minimum elong	6649 May 10 03:26	21° 8 56'44	2°02'14	minimum elong	6655 Jul 26 00:36	7° Ω 26′29	
max. Earth dist.	6649 May 10 05:46	_	10.78227 AU	max. Earth dist.	6655 Jul 26 02:41		10.35219 AU
morning rise	6649 May 27 00:15	23° 8 58'35		morning rise	6655 Aug 12 19:27	9° Ω 39'50	
	6649 Jul 27 15:59	0°II			6655 Sep 30 23:52	15°Ω	
retrograde	6649 Sep 08 03:55	1° Ⅱ 27'12		retrograde	6655 Nov 26 13:19	17° Ω 37'57	
	6649 Oct 21 14:22	30°R 8			6656 Jan 23 17:14	15°R Ω	
opposition	6649 Nov 17 14:37	28° 8 04'30		opposition	6656 Feb 03 04:00	14° Ω 10′11	
min. Earth dist.	6649 Nov 17 12:16	_	8.75423 AU	min. Earth dist.	6656 Feb 03 02:28	14° Ω 10′29	8.32049 AU
direct	6650 Jan 25 10:28	24° 8 45'06		direct	6656 Apr 10 08:09	10° Ω 45'24	
	6650 Apr 18 06:31	Π °0			6656 Jun 21 02:34	15° Ω	
evening set	6650 May 05 14:57	2° Ⅱ 00′15		evening set	6656 Jul 21 05:09	18° Ω 29'57	
		_					
conjunction	6650 May 22 10:54	4° ∏ 02'31		conjunction	6656 Aug 08 00:08	20° Ω 44'06	
minimum elong	6650 May 22 10:55		2°04'52	minimum elong	6656 Aug 08 00:09	20°Ω44'06	
max. Earth dist.	6650 May 22 13:33		10.72076 AU	max. Earth dist.	6656 Aug 08 02:14		10.29151 AU
morning rise	6650 Jun 08 10:21	6° Ⅱ 05'50		morning rise	6656 Aug 25 22:05	22° Ω 59′10	
retrograde	6650 Sep 21 02:45	13° Ⅱ 39'50			6656 Nov 05 14:50	0° ™	
opposition	6650 Nov 30 09:25	10° Ⅱ 16'07		retrograde	6656 Dec 09 11:35	0° m 59'57	
min. Earth dist.	6650 Nov 30 06:51	10° Ⅱ 16'37	8.68784 AU		6657 Jan 12 13:36	30°R€	
direct	6651 Feb 06 20:41	6° Ⅱ 56'10		opposition	6657 Feb 15 16:11	27° Ω 31'53	
evening set	6651 May 18 01:07	14° Ⅱ 14'52		min. Earth dist.	6657 Feb 15 14:40		8.26556 AU
	((51.1 04.00.05	1.6011.0147	2001150	direct	6657 Apr 23 18:28	24° Ω 06'05	
conjunction	6651 Jun 04 00:05	16° Ⅱ 18'47			6657 Jul 19 07:39	0° m)	
minimum elong	6651 Jun 04 00:06	16° Ⅱ 18'47		evening set	6657 Aug 04 07:29	1° Mp 56'09	
max. Earth dist.	6651 Jun 04 03:40		10.65046 AU	asc. node	6657 Aug 17 09:47	3°m/35'04	
morning rise	6651 Jun 21 02:44	18° Ⅱ 23'51			((57.4 22.05.2)	40 m - 1 1140	0000122
retrograde	6651 Oct 04 05:49	26° ∏ 03'24	2025121	conjunction	6657 Aug 22 05:26	4° M) 11'48	
opposition	6651 Dec 13 07:07	22° ∏ 38'38		minimum elong	6657 Aug 22 05:25	4° M) 11'48	0°00'21
min. Earth dist.	6651 Dec 13 03:52	19° П 17'57	8.61425 AU	behind sun begin	6657 Aug 21 22:09	4° Mp 09'31	
direct	6652 Feb 19 10:22	19°Щ1/3/ 26°Щ40'54		behind sun end max. Earth dist.	6657 Aug 22 12:42	4° Mp 14'05	10 24222 AII
evening set	6652 May 29 16:57	20 Д40 34		morning rise	6657 Aug 22 07:05 6657 Sep 09 05:22	6° M) 28'08	10.24322 AU
conjunction	6652 Jun 15 19:32	28° ∏ 46'44	-1°53'07	retrograde	6657 Dec 23 12:18	14° m/ 30'25	
minimum elong	6652 Jun 15 19:34	28° I I46'45		opposition	6658 Mar 01 06:40	11° m) 02'20	0°18'47
max. Earth dist.	6652 Jun 15 23:36		10.57483 AU	min. Earth dist.	6658 Mar 01 05:28	11° my 02'25	8.22461 AU
max. Earth dist.	6652 Jun 25 17:21	0°95	10.57405710	direct	6658 May 07 08:42	7° m ₂ 35'37	0.22401 710
morning rise	6652 Jul 03 02:01	0°953'47		evening set	6658 Aug 18 15:15	15° m) 30'41	
retrograde	6652 Oct 16 14:19	8° 9 38'47		evening see	00001148 10 10.10	10 11/200 11	
opposition	6652 Dec 25 07:49	5°9513'02	-2°11'27	conjunction	6658 Sep 05 14:55	17° m 47'20	0°29'30
min. Earth dist.	6652 Dec 25 04:20		8.53701 AU	minimum elong	6658 Sep 05 14:54	17° m) 47'19	0°29'29
direct	6653 Mar 03 02:55	1°951'27		max. Earth dist.	6658 Sep 05 15:39		10.21007 AU
evening set	6653 Jun 11 15:29	9° © 19'16		morning rise	6658 Sep 23 15:38	20° m) 04'22	
		,,		retrograde	6659 Jan 06 12:20	28° m) 06'54	
conjunction	6653 Jun 28 22:05	11° © 27'13	-1°38'49	opposition	6659 Mar 14 22:52	24° m/ 39'04	0°54'16
minimum elong	6653 Jun 28 22:08	11°527'13		min. Earth dist.	6659 Mar 14 22:24	24° m/39'10	8.20010 AU
max. Earth dist.	6653 Jun 29 01:27		10.49746 AU	direct	6659 May 21 03:58	21° mg 11'35	
morning rise	6653 Jul 16 08:50	13°536'26		evening set	6659 Sep 02 03:02	29° m, 10'50	
retrograde	6653 Oct 30 03:30	21°526'25		-0~	6659 Sep 08 15:16	0ಂ ⊽	
opposition	500 55.50		-1°50'41		от толго	- -	
rr ····	6654 Jan 07 11:26	1/-903930					
min. Earth dist.	6654 Jan 07 11:26 6654 Jan 07 08:40			conjunction	6659 Sep 20 03:12	1° ≏ 27'54	0°57'06
	6654 Jan 07 08:40	18° © 00'23	8.45981 AU	conjunction minimum elong	6659 Sep 20 03:12 6659 Sep 20 03:10	1° £ 27'54 1° £ 27'53	0°57'06 0°57'06
direct	6654 Jan 07 08:40 6654 Mar 15 22:40	18°©00'23 14°©37'13		minimum elong	6659 Sep 20 03:10	1° ≏ 27'53	0°57'06
	6654 Jan 07 08:40	18° © 00'23		minimum elong max. Earth dist.	•	1° ≏ 27'53	
direct evening set	6654 Jan 07 08:40 6654 Mar 15 22:40 6654 Jun 24 20:58	18°500'23 14°537'13 22°510'26	8.45981 AU	minimum elong max. Earth dist. morning rise	6659 Sep 20 03:10 6659 Sep 20 02:35 6659 Oct 08 03:30	1° £ 27'53 1° £ 27'42	0°57'06
direct	6654 Jan 07 08:40 6654 Mar 15 22:40	18°©00'23 14°©37'13	8.45981 AU -1°19'23	minimum elong max. Earth dist.	6659 Sep 20 03:10 6659 Sep 20 02:35	1° £ 27'53 1° £ 27'42 3° £ 45'01	0°57'06 10.19422 AU

min. Earth dist.	6660 Mar 27 16:39 6660 Jun 03 01:44	8° ♀ 19'02 4° ♀ 51'07 12° ♀ 53'22	8.19370 AU	min. Earth dist. direct	6666 Jun 16 03:18 6666 Aug 24 14:24	28° ₹35'34 25° ₹09'47 0° ₹	8.48564 AU
evening set	6660 Sep 15 16:52	12-22-33-22		evening set	6666 Nov 12 13:43 6666 Dec 08 05:47	0°る 2°る57'50	
conjunction	6660 Oct 03 16:24	15° ≙ 10'16	1°21'31				
minimum elong	6660 Oct 03 16:21	15° ≏ 10'15	1°21'32	conjunction	6666 Dec 25 13:52	5° ප 06'06	1°46'42
max. Earth dist.	6660 Oct 03 14:19	15° ≏ 09'36	10.19675 AU	minimum elong	6666 Dec 25 13:54	5°පි06'06	1°46'45
morning rise	6660 Oct 21 15:09	17° ≏ 26'54		max. Earth dist.	6666 Dec 25 09:57	5°る04'53	10.52313 AU
retrograde	6661 Feb 02 09:10	25° ≏ 25'59		morning rise	6667 Jan 11 18:08	7°る13'11	
opposition	6661 Apr 10 09:19	21° ≏ 59'24	1°54'25	retrograde	6667 Apr 22 07:18	14° る 40'35	
min. Earth dist.	6661 Apr 10 10:53	21° ≏ 59'05	8.20580 AU	opposition	6667 Jun 29 04:09	11° る 19'57	2°02'21
direct	6661 Jun 17 01:39	18° ≏ 31'04		min. Earth dist.	6667 Jun 29 07:20	11° る 19'20	8.56222 AU
evening set	6661 Sep 30 06:35	26° ≏ 34'51		direct	6667 Sep 07 03:37	7° る 54'25	
				evening set	6667 Dec 21 08:11	15° る 36'22	
conjunction	6661 Oct 18 04:28	28° ≏ 51'01	1°41'17				
minimum elong	6661 Oct 18 04:25	28° ≙ 51'00	1°41'19	conjunction	6668 Jan 07 13:41	17° る 42'56	1°30'14
max. Earth dist.	6661 Oct 18 01:39	28° ≙ 50'07	10.21758 AU	minimum elong	6668 Jan 07 13:43	17° る 42'56	1°30'17
	6661 Oct 27 05:06	0° M,		max. Earth dist.	6668 Jan 07 09:23	17° る 41'36	10.59889 AU
morning rise	6661 Nov 05 00:38	1°M06'39		morning rise	6668 Jan 24 15:32	19° る 48'22	
retrograde	6662 Feb 16 03:52	9°M02'07		retrograde	6668 May 03 23:21	27° る 10'35	
opposition	6662 Apr 24 02:01	5°M36'28	2°15'27	opposition	6668 Jul 11 04:27	23° る 50'39	1°39'17
min. Earth dist.	6662 Apr 24 03:47	5°M36'06	8.23573 AU	min. Earth dist.	6668 Jul 11 07:14	23° る 50'07	8.63543 AU
direct	6662 Jul 01 03:05	2°M08'06		direct	6668 Sep 19 10:37	20° る 26'04	
evening set	6662 Oct 14 17:54	10° M ₊11'45		evening set	6669 Jan 02 03:24	28° පි 01'58	
					6669 Jan 18 07:47	0° ≈	
conjunction	6662 Nov 01 13:29	12°M26'46	1°55'16				
minimum elong	6662 Nov 01 13:27	12°M26'45	1°55'19	conjunction	6669 Jan 19 06:35	0° ≈ 06'59	1°09'45
max. Earth dist.	6662 Nov 01 10:34	12°M25'50	10.25560 AU	minimum elong	6669 Jan 19 06:37	0° ≈ 07'00	1°09'48
morning rise	6662 Nov 19 06:28	14°M41'00		max. Earth dist.	6669 Jan 19 02:59	0° ≈ 05'53	10.66932 AU
-	6662 Nov 21 19:44	15° M ₊		morning rise	6669 Feb 05 06:14	2°≈10'58	
retrograde	6663 Mar 01 18:07	22°M31'48		retrograde	6669 May 16 12:12	9° ≈ 28'58	
opposition	6663 May 07 17:18	19° ™ 07'10	2°28'45	opposition	6669 Jul 24 01:55	6° ≈ 09'36	1°11'59
min. Earth dist.	6663 May 07 18:59	19° ™ 06'50	8.28177 AU	min. Earth dist.	6669 Jul 24 04:16	6° ≈ 09'09	8.70179 AU
direct	6663 Jul 15 04:14	15° ™ 39'02		direct	6669 Oct 02 12:16	2° ≈ 46′00	
evening set	6663 Oct 29 00:49	23°M40'52		evening set	6670 Jan 14 16:10	10° ≈ 16′08	
conjunction	6663 Nov 15 17:44	25°M54'24	2°02'49	conjunction	6670 Jan 31 17:10	12° ≈ 19'46	0°46'21
minimum elong	6663 Nov 15 17:43	25°M54'23	2°02'52	minimum elong	6670 Jan 31 17:11	12° ≈ 19'47	0°46'23
max. Earth dist.	6663 Nov 15 15:01	25°M53'32	10.30861 AU	max. Earth dist.	6670 Jan 31 14:18	12° ≈ 18'54	10.73166 AU
morning rise	6663 Dec 03 07:15	28°M06'56		morning rise	6670 Feb 17 14:58	14° ≈ 22'31	
	6663 Dec 18 21:46	0° ⊼			6670 Feb 22 21:48	15° ≈	
retrograde	6664 Mar 14 05:13	5° ₹ 52'17		retrograde	6670 May 28 22:38	21° ≈ 37′21	
opposition	6664 May 20 06:31	2° ҂ 28'44	2°33'49	opposition	6670 Aug 05 20:47	18° ≈ 18′21	0°41'51
min. Earth dist.	6664 May 20 08:16	2° ҂ 28′23	8.34114 AU	min. Earth dist.	6670 Aug 05 23:05	18° ≈ 17'55	8.75920 AU
	6664 Jun 23 23:22	30°RM₊			6670 Oct 06 00:13	15°R ≈	
direct	6664 Jul 28 02:35	29°M01'02		direct	6670 Oct 15 09:42	14° ≈ 55'39	
	6664 Aug 31 00:11	0° ⊼			6670 Oct 24 18:14	15° ≈	
evening set	6664 Nov 11 01:53	6° ₹ 59'27		evening set	6671 Jan 26 23:47	22° ≈ 20'34	
conjunction	6664 Nov 28 15:50	9° ∡ 11'17	2°03'42	conjunction	6671 Feb 12 22:38	24° ≈ 22'59	0°21'09
minimum elong	6664 Nov 28 15:50	9° × 11117	2°03'45	minimum elong	6671 Feb 12 22:38	24 ≈22 39 24°≈23'00	0°21'11
max. Earth dist.			10.37341 AU	max. Earth dist.			10.78405 AU
morning rise	6664 Nov 28 13:12 6664 Dec 16 01:53	11° × ⁷ 21'59	10.57541 AU	morning rise	6671 Feb 12 19:48 6671 Mar 01 18:59	24 ≈22 08 26°≈24'42	10.76403 AU
•		11 x 21 39 19° x 01'22		morning rise		20 ≈ 24 42 0° H	
retrograde	6665 Mar 27 11:56		2020141		6671 Apr 03 10:38	3°) 37'23	
opposition	6665 Jun 02 16:59	15° 🗷 38'53	2°30'41	retrograde	6671 Jun 10 06:04		0010114
min. Earth dist.	6665 Jun 02 19:22	15° 🗷 38'24	8.41040 AU	opposition	6671 Aug 18 13:16	0°) 18'30	
direct	6665 Aug 10 21:49	12° ₹ 11'47		min. Earth dist.	6671 Aug 18 15:38	0°) 18′04	8.80588 AU
evening set	6665 Nov 24 19:47	20° ₹ 05'29		J:4	6671 Aug 22 15:38	30°R≈	
aaminus -ti	6665 D 10 06 40	220.711.5122	1050100	direct	6671 Oct 28 02:31	26°≈56'38	
conjunction	6665 Dec 12 06:43	22° 🖈 15'32	1°58'08	desc. node	6671 Dec 17 16:48	28°≈58'19	
minimum elong	6665 Dec 12 06:44		1°58'11		6671 Dec 29 23:29	0°) (
max. Earth dist.	6665 Dec 12 03:31		10.44635 AU	evening set	6672 Feb 08 03:03	4°) (17′00	
morning rise	6665 Dec 29 13:39	24° ₹ 24'24			((72 E 1 24 22 5:	(0)/10/22	0004150
, ,	6666 Feb 20 21:14	0°る		conjunction	6672 Feb 24 23:54	6°) 18′23	
retrograde	6666 Apr 09 12:33	1° る 57'39		minimum elong	6672 Feb 24 23:53	6° ₩ 18'23	0°04'48
	6666 M 20 15 00	2005.7		babin 4 1	6670 E-L 04 17 00	60M 16120	
opposition	6666 May 28 15:09 6666 Jun 16 00:20	30°R ✓ 28° ✓ 36'09	2010/52	behind sun begin behind sun end	6672 Feb 24 17:02 6672 Feb 25 06:45	6°¥16'20 6°¥20'26	

max. Earth dist.	6672 Feb 24 21:08	6° 升 17'36	10.82476 AU	retrograde	6678 Sep 03 03:30	26° 8 38'56	
morning rise	6672 Mar 12 19:05	8° ₩ 19'17		opposition	6678 Nov 12 15:12	23° 8 15'59	-2°30'44
retrograde	6672 Jun 21 11:30	15° ¥ 30′59		min. Earth dist.	6678 Nov 12 11:18	23° 8 16'43	8.75337 AU
opposition	6672 Aug 30 04:07	12° 升 11'58	-0°21'30	direct	6679 Jan 20 15:51	19° 8 56'10	
min. Earth dist.	6672 Aug 30 05:36	12° ₩ 11'42	8.84024 AU	evening set	6679 Apr 30 20:26	27° 8 11'08	
direct	6672 Nov 08 17:12	8° ¥ 50'49		Č	1		
evening set	6673 Feb 19 02:46	16°) €07'25		conjunction	6679 May 17 15:35	29° 8 13'07	-2°04'27
8				minimum elong	6679 May 17 15:34	29° 8 13'06	
conjunction	6673 Mar 07 21:58	18° ₩ 07'59	-0°30'17	max. Earth dist.	6679 May 17 19:58		10.72386 AU
minimum elong	6673 Mar 07 21:57	18° ¥ 07'59	0°30'16	max. Earth dist.	6679 May 24 01:35	0°II	10.72300 110
max. Earth dist.	6673 Mar 07 20:42		10.85234 AU	morning rise	6679 Jun 03 13:45	1° Ⅱ 16'03	
morning rise	6673 Mar 24 16:09	20°\mathcal{H}08'16	10.65254 AU	retrograde	6679 Sep 16 02:28	8° Ⅱ 48'45	
-		20 \tag{08 10} 27°\tag{20'09}		•	1		2022122
retrograde	6673 Jul 03 18:54		0052100	opposition	6679 Nov 25 09:40	5° Ⅱ 24'56	
opposition	6673 Sep 11 17:40	24° ₩ 00'48		min. Earth dist.	6679 Nov 25 05:30		8.69507 AU
min. Earth dist.	6673 Sep 11 17:40	24°) €00'48	8.86103 AU	direct	6680 Feb 01 23:52	2° Ⅱ 04'47	
direct	6673 Nov 21 04:59	20°) 40′14		evening set	6680 May 12 05:00	9° Ⅱ 22'50	
evening set	6674 Mar 03 00:25	27° ¥ 53'59				_	
				conjunction	6680 May 29 02:35	11° Ⅱ 26'15	
conjunction	6674 Mar 19 18:19	29° ¥ 54'00		minimum elong	6680 May 29 02:36	11° Ⅱ 26'15	
minimum elong	6674 Mar 19 18:17	29° ¥ 54'00	0°54'24	max. Earth dist.	6680 May 29 06:46		10.66151 AU
max. Earth dist.	6674 Mar 19 18:42	29° ¥ 54'07	10.86579 AU	morning rise	6680 Jun 15 03:53	13° Ⅲ 30'47	
	6674 Mar 20 14:15	0 ° Υ		retrograde	6680 Sep 28 03:35	21° Ⅱ 08'53	
morning rise	6674 Apr 05 11:44	1° Y 53'56		opposition	6680 Dec 07 06:49	17° Ⅱ 44'11	-2°29'23
retrograde	6674 Jul 16 01:54	9° Ƴ 07'03		min. Earth dist.	6680 Dec 07 02:56	17° Ⅱ 44'56	8.62919 AU
opposition	6674 Sep 24 06:20	5° Ƴ 47'12	-1°20'27	direct	6681 Feb 13 11:59	14° Ⅲ 23'31	
min. Earth dist.	6674 Sep 24 05:17	5° Ƴ 47'23	8.86752 AU	evening set	6681 May 24 18:53	21° Ⅱ 45'26	
direct	6674 Dec 03 11:53	2° Y 27'05		Č	·		
evening set	6675 Mar 14 21:07	9° Ƴ 39'02		conjunction	6681 Jun 10 19:48	23° Ⅱ 50'37	-1°57'25
8				minimum elong	6681 Jun 10 19:49	23° II 50'37	
conjunction	6675 Mar 31 13:57	11° Ƴ 38'46	-1°16'12	max. Earth dist.	6681 Jun 10 23:58		10.59316 AU
minimum elong	6675 Mar 31 13:55	11° Υ 38'45		morning rise	6681 Jun 28 00:50	25° I 57'01	10.57510710
max. Earth dist.	6675 Mar 31 15:01		10.86469 AU	morning risc	6681 Aug 03 12:17	0°95	
morning rise	6675 Apr 17 07:08	13° Y 38'39	10.80409 AU	retrograde	6681 Oct 11 09:35	3° © 40'28	
•	6675 Jul 28 09:58	20° Y 54′04		•	6681 Dec 20 06:49	0°914'58	2010100
retrograde			1045125	opposition			
opposition	6675 Oct 06 19:09	17° Y 33'35		min. Earth dist.	6681 Dec 20 03:09		8.55871 AU
min. Earth dist.	6675 Oct 06 17:53	17° Y 33'49	8.85946 AU		6681 Dec 23 11:46	30°RⅡ	
direct	6675 Dec 15 18:47	14° Y 13'47		direct	6682 Feb 26 04:47	26° Ⅲ 53'39	
evening set	6676 Mar 25 17:55	21° Y 24'59			6682 Apr 28 06:40	0ං ව	
		••		evening set	6682 Jun 06 15:02	4° © 20'03	
conjunction	6676 Apr 11 10:08	23° Y 24'44					
minimum elong	6676 Apr 11 10:05	23° Y 24'43		conjunction	6682 Jun 23 19:55	6°\$27'14	
max. Earth dist.	6676 Apr 11 11:21		10.84913 AU	minimum elong	6682 Jun 23 19:58	6° © 27'15	
morning rise	6676 Apr 28 03:41	25° Y 24'52		max. Earth dist.	6682 Jun 24 00:49	6° © 28'45	10.52189 AU
	6676 Jun 10 18:55	9° 8		morning rise	6682 Jul 11 04:56	8° © 35'41	
retrograde	6676 Aug 08 20:52	2° 8 43'34		retrograde	6682 Oct 24 20:56	16° © 24'11	
	6676 Oct 09 22:57	30° ₹Ƴ		opposition	6683 Jan 02 09:42	12° © 57'59	-1°59'59
opposition	6676 Oct 18 08:36	29° Ƴ 22'21	-2°06'00	min. Earth dist.	6683 Jan 02 05:40	12° © 58'47	8.48699 AU
min. Earth dist.	6676 Oct 18 06:53	29° Y 22'40	8.83717 AU	direct	6683 Mar 11 00:16	9° © 35'55	
direct	6676 Dec 27 01:05	26° Ƴ 02'41		evening set	6683 Jun 19 17:59	17° © 07'18	
	6677 Mar 08 10:34	$6^{\circ}B$					
evening set	6677 Apr 06 15:59	3° 8 14'10		conjunction	6683 Jul 07 03:12	19° © 16'36	-1°27'54
C	1			minimum elong	6683 Jul 07 03:14	19° © 16'36	1°27'58
conjunction	6677 Apr 23 08:24	5° 8 14'17	-1°49'29	max. Earth dist.	6683 Jul 07 08:36		10.45123 AU
minimum elong	6677 Apr 23 08:23	5° 8 14'17		morning rise	6683 Jul 24 16:20	21°527'08	
max. Earth dist.	6677 Apr 23 10:42	_	10.81970 AU	retrograde	6683 Nov 07 12:36	29° 5 20'11	
morning rise	6677 May 10 02:51	7° 8 15'01	10.01770710	opposition	6684 Jan 15 15:44	25°953'24	1°35'30
•	•	14° 8 37'49		min. Earth dist.			8.41768 AU
retrograde	6677 Aug 21 09:21		2021122		6684 Jan 15 11:26		0.71/00 AU
opposition	6677 Oct 30 23:01	11° 8 15'45		direct	6684 Mar 22 23:58	22° © 30'30 0° Ω	
min. Earth dist.	6677 Oct 30 20:18		8.80140 AU	ovenis+	6684 Jul 01 04:41		
direct	6678 Jan 08 07:41	7° 8 56'05		evening set	6684 Jul 02 04:04	0° Ω 07'10	
	6678 Apr 17 10:31	15° 8					
evening set	6678 Apr 18 16:25	15° 8 08'51		conjunction	6684 Jul 19 17:33	2° Ω 18'33	
		4 .		minimum elong	6684 Jul 19 17:35	2° Ω 18'34	
conjunction	6678 May 05 09:54	17° 8 09'44		max. Earth dist.	6684 Jul 19 22:33		10.38475 AU
minimum elong	6678 May 05 09:53	17° 8 09'43		morning rise	6684 Aug 06 10:42	4° Ω 31′06	
max. Earth dist.	6678 May 05 13:43		10.77741 AU	retrograde	6684 Nov 20 07:23	12° Ω 27'55	
morning rise	6678 May 22 05:49	19° 8 11'23		opposition	6685 Jan 28 00:42	9° Ω 00'43	-1°05'40

min. Earth dist. direct evening set	6685 Jan 27 20:54 6685 Apr 05 04:29 6685 Jul 15 21:26 6685 Jul 29 08:29	9°Ω01'28 5°Ω36'52 13°Ω18'59 15°Ω	8.35423 AU	retrograde opposition min. Earth dist.	6691 Feb 10 21:34 6691 Apr 18 19:39 6691 Apr 18 21:23 6691 Apr 22 00:09	3°M41'17 0°M15'31 0°M15'10 30°RΩ	2°07'36 8.23286 AU
				direct	6691 Jun 25 16:25	26° ≏ 47'26	
conjunction	6685 Aug 02 14:46	15° Ω 32'17			6691 Aug 27 00:44	0° M	
minimum elong	6685 Aug 02 14:48	15° Ω 32'17		evening set	6691 Oct 09 03:46	4°M50'41	
max. Earth dist. morning rise	6685 Aug 02 18:20 6685 Aug 20 11:25	$15^{\circ} 0.33^{\circ} 24$ $17^{\circ} \Omega 46^{\circ} 35$	10.32566 AU	conjunction	6691 Oct 27 00:23	7° M 06'04	1°50'14
retrograde	6685 Dec 04 05:03	25° Ω 46'08		minimum elong	6691 Oct 27 00:21	7°M06'03	1°50'16
opposition	6686 Feb 10 12:09	22° Ω 18'42	-0°31'56	max. Earth dist.	6691 Oct 26 21:12	7°M05'03	10.24779 AU
min. Earth dist.	6686 Feb 10 09:40	22° Ω 19′12	8.29972 AU	morning rise	6691 Nov 13 18:35	9°M20'46	
direct	6686 Apr 18 13:16	18° Ω 53'52			6692 Jan 05 02:53	15°M	
evening set	6686 Jul 29 21:20	26° Ω 41'19		retrograde	6692 Feb 24 13:19	17°M13'06	
agniunation	6696 Aug 16 17:51	28° Ω 56'11	0011124	onnosition	6692 Apr 16 07:26	15°RM 13°M48'10	2°24'12
conjunction minimum elong	6686 Aug 16 17:51 6686 Aug 16 17:52	28° Ω 56'11		opposition min. Earth dist.	6692 May 01 11:10 6692 May 01 13:57	13°M47'36	8.26904 AU
behind sun begin	6686 Aug 16 12:44	28°Ω54'35	0 11 30	direct	6692 Jul 08 17:31	10°M19'59	0.20704710
behind sun end	6686 Aug 16 23:00	28° Ω 57'48			6692 Sep 23 17:51	15°M	
max. Earth dist.	6686 Aug 16 19:42	28° Ω 56'45	10.27666 AU	evening set	6692 Oct 22 12:25	18°M22'12	
	6686 Aug 25 03:31	0° m/					
morning rise	6686 Sep 03 17:04	1° Mp 11'53		conjunction	6692 Nov 09 06:21	20°M36'14	2°00'30
retrograde	6686 Dec 18 03:58	9° Mp 13'07		minimum elong	6692 Nov 09 06:20	20°M36'14	2°00'33
asc. node	6687 Jan 13 19:13	8°m/35'38		max. Earth dist.	6692 Nov 09 02:04		10.29129 AU
opposition	6687 Feb 24 01:54	5° Mp 45'36	0°03'58	morning rise	6692 Nov 26 21:19	22°M49'23	
min. Earth dist.	6687 Feb 24 00:47	5° m 45'50	8.25650 AU		6693 Feb 11 03:46	0° ∡7 00 ∡73.613.5	
direct	6687 May 02 03:08 6687 Aug 13 02:44	2° To 19'49 10° To 12'15		retrograde	6693 Mar 09 00:41 6693 Apr 04 02:28	0°₮36′35 30°₽₪	
evening set	008/ Aug 13 02.44	10 11/1213		opposition	6693 May 15 00:53	27°M12'33	2°32'44
conjunction	6687 Aug 31 01:34	12° m) 28'17	0°17'41	min. Earth dist.	6693 May 15 04:17	27°M11'52	8.31958 AU
minimum elong	6687 Aug 31 01:33	12° m) 28'17	0°17'40	direct	6693 Jul 22 17:10	23°M44'31	0.51700110
max. Earth dist.	6687 Aug 31 02:02	12° m/28'26	10.23964 AU		6693 Oct 22 06:10	0° ∡	
morning rise	6687 Sep 18 02:09	14° Mp 44'53		evening set	6693 Nov 05 15:25	1° ≯ 44'01	
retrograde	6688 Jan 01 02:54	22°Mp46'45					
opposition	6688 Mar 08 17:17	19° m 19'24	0°39'57	conjunction	6693 Nov 23 06:26	3° ₹ 56′29	2°04'09
min. Earth dist.	6688 Mar 08 17:07	19° m 19'26	8.22626 AU	minimum elong	6693 Nov 23 06:26	3° ∡ 56′29	2°04'13
direct	6688 May 14 21:39	15° m 52'47		max. Earth dist.	6693 Nov 23 01:38	3° √ 54'58	10.34787 AU
evening set	6688 Aug 26 12:52	23° Tp 49'42		morning rise	6693 Dec 10 18:04	6°×707'53	
conjunction	6688 Sep 13 12:53	26° Mp 06'25	0°46'04	retrograde opposition	6694 Mar 22 07:34 6694 May 28 11:58	13° х 49′21 10° х 26′14	2°33'00
minimum elong	6688 Sep 13 12:51	26° Mp 06'24	0°46'03	min. Earth dist.	6694 May 28 15:12	10° × 20°14 10° × 25'35	8.38147 AU
max. Earth dist.	6688 Sep 13 12:16	26° Mp 06'13		direct	6694 Aug 05 14:27	6° ₹ 58'35	0.50147 710
morning rise	6688 Oct 01 13:29	28° m) 23'20	10.210.0110	evening set	6694 Nov 19 11:38	14° ₹ 53'58	
Č	6688 Oct 14 17:50	0∘ <u>⊽</u>		, and the second			
retrograde	6689 Jan 14 02:10	6° ≏ 24'44		conjunction	6694 Dec 06 23:49	17° ∡ °04'43	2°01'15
opposition	6689 Mar 22 09:43	2° ≏ 57'44	1°13'54	minimum elong	6694 Dec 06 23:49	17° ∡ °04'43	2°01'19
min. Earth dist.	6689 Mar 22 10:07	2° ჲ 57'39	8.21120 AU	max. Earth dist.	6694 Dec 06 19:22		10.41429 AU
	6689 May 05 08:17	30°R Mp		morning rise	6694 Dec 24 08:12	19° 🖈 14'19	
direct	6689 May 28 17:50	29° m 30'27		retrograde	6695 Apr 04 09:25	26° ₹ 49'48	2025121
ovening set	6689 Jun 21 00:55 6689 Sep 10 01:53	0° ჲ 7° ჲ 30'54		opposition min. Earth dist.	6695 Jun 10 19:49 6695 Jun 10 22:36	23° х 27'33 23° х 27'00	2°25'21 8.45121 AU
evening set	0089 Sep 10 01.55	7 = 30 34		direct	6695 Aug 19 08:12	20°×700'29	6.43121 AU
conjunction	6689 Sep 28 01:50	9° Ω 47'44	1°11'57	evening set	6695 Dec 03 00:22	27° 🗷 50'41	
minimum elong	6689 Sep 28 01:48	9° £ 47'43	1°11'57			_, , , , , , , , , , , , , , , , , , ,	
max. Earth dist.	6689 Sep 28 00:33	9° ≏ 47'19	10.20947 AU	conjunction	6695 Dec 20 09:50	29° ₹ 59'41	1°52'12
morning rise	6689 Oct 16 01:10	12° ≙ 04'25		minimum elong	6695 Dec 20 09:51	29° ₹ 59'42	1°52'16
retrograde	6690 Jan 28 01:16	20° ≏ 04'02		max. Earth dist.	6695 Dec 20 06:10	29° ≯ 58'33	10.48682 AU
opposition	6690 Apr 05 02:48	16° ≏ 37'35	1°43'43		6695 Dec 20 10:50	0°ප	
min. Earth dist.	6690 Apr 05 03:38	16° Ω 37'24	8.21324 AU	morning rise	6696 Jan 06 15:13	2°る07'30	
direct	6690 Jun 11 16:11	13° £ 09'48		retrograde	6696 Apr 16 07:17	9° る 37'06	201.0/22
evening set	6690 Sep 24 15:30	21° ≏ 12'26		opposition	6696 Jun 23 00:31	6°る15'42	
conjunction	6690 Oct 12 14:14	23° £ 28'47	1°33'45	min. Earth dist. direct	6696 Jun 23 03:13 6696 Aug 31 21:25	6°る15'10 2°る49'23	8.52507 AU
minimum elong	6690 Oct 12 14:11	23° £ 28'46	1°33'47	evening set	6696 Dec 15 05:25	2 04923 10° る 33'44	
max. Earth dist.	6690 Oct 12 12:13		10.21998 AU	or only	30,0 200 10 00.20	10 033 44	
morning rise	6690 Oct 30 11:19	25° ≏ 44'42	-	conjunction	6697 Jan 01 12:11	12° ප් 41'01	1°37'46
Č	6690 Dec 06 11:41	0°M		minimum elong	6697 Jan 01 12:13	12°る41'02	

max. Earth dist.	6697 Jan 01 08:55	120=740100	10.56167 AU	aaniumatian	6703 Mar 15 23:22	25° ₩ 02'16	0944!02
	6697 Jan 18 14:55	12 3 40 00 14° 3 47'08	10.30107 AU	conjunction minimum elong		25°\(\frac{10}{25}\)16	
morning rise	6697 Apr 29 01:00	14 34708 22° る 11'17		max. Earth dist.	6703 Mar 15 23:20 6703 Mar 15 23:17		10.87926 AU
retrograde opposition	6697 Jul 06 01:55	18° る 50'39	1°49'42	morning rise	6703 Apr 01 17:04	23 X 02 13 27° X 02'05	10.87920 AU
min. Earth dist.	6697 Jul 06 04:48	18° る 50'05	8.59945 AU	morning rise	6703 Apr 28 10:17	27 γ (02 03	
	6697 Sep 14 04:43	18 3 3003	6.39943 AU	ratra ara da	6703 Jul 12 00:27	0 γ 4° Υ 13'33	
direct	6697 Dec 28 03:05	13° る 23°13		retrograde		4° γ 13'33 0° γ 54'19	1000!17
evening set	009/ Dec 28 03.03	23 003 20		opposition min. Earth dist.	6703 Sep 20 03:43	0° Υ 54'25	
agniumation	6698 Jan 14 07:16	250₹00106	1°18'54	IIIII. Eartii dist.	6703 Sep 20 03:09 6703 Oct 02 10:11	0 1 34 23 30°R) €	8.88029 AU
conjunction		25°る09'06 25°る09'07		1		•	
minimum elong	6698 Jan 14 07:18		1°18'57	direct	6703 Nov 29 11:18	27° ¥ 34′25 0° Ƴ	
max. Earth dist.	6698 Jan 14 03:50		10.63534 AU		6704 Jan 23 21:40		
morning rise	6698 Jan 31 07:50	27° る 13'42		evening set	6704 Mar 10 01:30	4° Υ 46′08	
	6698 Feb 24 13:27	0° ≈			(504) (06 10 00	600045141	1006153
retrograde	6698 May 11 12:58	4°≈33'04	100404	conjunction	6704 Mar 26 18:33	6° Υ 45'41	
opposition	6698 Jul 18 23:58	1°≈13'06	1°24'04	minimum elong	6704 Mar 26 18:31	6°Υ45'40	
min. Earth dist.	6698 Jul 19 02:49	1°≈12'33	8.67097 AU	max. Earth dist.	6704 Mar 26 19:30		10.88892 AU
	6698 Aug 04 05:50	30°₹ る		morning rise	6704 Apr 12 11:46	8° Υ 45'16	
direct	6698 Sep 27 08:39	27° る 48'38		retrograde	6704 Jul 23 07:23	15° Y 58'32	
	6698 Nov 18 20:52	0° ≈		opposition	6704 Oct 01 15:50	12° Y 38′52	
evening set	6699 Jan 09 17:53	5° ≈ 20'51		min. Earth dist.	6704 Oct 01 13:58	12° Y 39'13	8.88865 AU
				direct	6704 Dec 10 19:22	9° Ƴ 19'30	
conjunction	6699 Jan 26 19:43	7° ≈ 25'01	0°56'39	evening set	6705 Mar 21 21:25	16° Ƴ 29'54	
minimum elong	6699 Jan 26 19:45	7° ≈ 25'01	0°56'41				
max. Earth dist.	6699 Jan 26 16:22	7° ≈ 23'59	10.70442 AU	conjunction	6705 Apr 07 13:50	18° Y 29'18	
morning rise	6699 Feb 12 18:29	9° ≈ 28'14		minimum elong	6705 Apr 07 13:48	18° Ƴ 29'18	
	6699 Apr 08 13:10	15° ≈		max. Earth dist.	6705 Apr 07 16:29		10.88331 AU
retrograde	6699 May 23 22:23	16° ≈ 43'49		morning rise	6705 Apr 24 06:57	20° Y 28′58	
	6699 Jul 09 22:12	15° R ≈		retrograde	6705 Aug 04 17:47	27° Ƴ 45′01	
opposition	6699 Jul 31 19:02	13° ≈ 24′20	0°55'01	opposition	6705 Oct 14 04:13	24° Y 24'45	-1°57'16
min. Earth dist.	6699 Jul 31 20:56	13° ≈ 23'58	8.73624 AU	min. Earth dist.	6705 Oct 14 01:20	24° Y 25′18	8.87569 AU
direct	6699 Oct 10 08:48	10° ≈ 00'55		direct	6705 Dec 23 00:48	21° Y 05'44	
	6699 Dec 31 12:21	15° ≈		evening set	6706 Apr 02 18:23	28° Ƴ 15'50	
evening set	6700 Jan 22 02:48	17° ≈ 27'30			6706 Apr 17 07:20	9° 8	
conjunction	6700 Feb 08 02:32	19° ≈ 30′19	0°32'08	conjunction	6706 Apr 19 10:36	0° 8 15'26	-1°43'22
conjunction minimum elong	6700 Feb 08 02:32 6700 Feb 08 02:34	19°≈30'19 19°≈30'19	0°32'08 0°32'10	conjunction minimum elong	6706 Apr 19 10:36 6706 Apr 19 10:34	0° 8 15'26 0° 8 15'25	
•		19° ≈ 30'19		-	•	0° 8 15'25	
minimum elong	6700 Feb 08 02:34	19° ≈ 30'19	0°32'10	minimum elong	6706 Apr 19 10:34	0° 8 15'25	1°43'25
minimum elong max. Earth dist.	6700 Feb 08 02:34 6700 Feb 08 00:24	19° ≈ 30'19 19° ≈ 29'40	0°32'10	minimum elong max. Earth dist.	6706 Apr 19 10:34 6706 Apr 19 13:33	0° 8 15'25 0° 8 16'19	1°43'25
minimum elong max. Earth dist. morning rise	6700 Feb 08 02:34 6700 Feb 08 00:24 6700 Feb 24 23:35	19°≈30'19 19°≈29'40 21°≈32'20	0°32'10	minimum elong max. Earth dist. morning rise	6706 Apr 19 10:34 6706 Apr 19 13:33 6706 May 06 04:17	0°815'25 0°816'19 2°815'31	1°43'25 10.86238 AU
minimum elong max. Earth dist. morning rise retrograde	6700 Feb 08 02:34 6700 Feb 08 00:24 6700 Feb 24 23:35 6700 Jun 05 07:11	19°≈30'19 19°≈29'40 21°≈32'20 28°≈45'11	0°32'10 10.76565 AU	minimum elong max. Earth dist. morning rise retrograde	6706 Apr 19 10:34 6706 Apr 19 13:33 6706 May 06 04:17 6706 Aug 17 05:12	0°815'25 0°816'19 2°815'31 9°835'10 6°814'11	1°43'25 10.86238 AU
minimum elong max. Earth dist. morning rise retrograde opposition	6700 Feb 08 02:34 6700 Feb 08 00:24 6700 Feb 24 23:35 6700 Jun 05 07:11 6700 Aug 13 11:34	19°≈30'19 19°≈29'40 21°≈32'20 28°≈45'11 25°≈26'02	0°32'10 10.76565 AU 0°23'57	minimum elong max. Earth dist. morning rise retrograde opposition	6706 Apr 19 10:34 6706 Apr 19 13:33 6706 May 06 04:17 6706 Aug 17 05:12 6706 Oct 26 17:22	0°815'25 0°816'19 2°815'31 9°835'10 6°814'11	1°43'25 10.86238 AU -2°14'58
minimum elong max. Earth dist. morning rise retrograde opposition min. Earth dist.	6700 Feb 08 02:34 6700 Feb 08 00:24 6700 Feb 24 23:35 6700 Jun 05 07:11 6700 Aug 13 11:34 6700 Aug 13 12:17	19°≈30'19 19°≈29'40 21°≈32'20 28°≈45'11 25°≈26'02 25°≈25'54	0°32'10 10.76565 AU 0°23'57	minimum elong max. Earth dist. morning rise retrograde opposition min. Earth dist.	6706 Apr 19 10:34 6706 Apr 19 13:33 6706 May 06 04:17 6706 Aug 17 05:12 6706 Oct 26 17:22 6706 Oct 26 14:35	0°&15'25 0°&16'19 2°&15'31 9°&35'10 6°&14'11 6°&14'42	1°43'25 10.86238 AU -2°14'58
minimum elong max. Earth dist. morning rise retrograde opposition min. Earth dist. direct	6700 Feb 08 02:34 6700 Feb 08 00:24 6700 Feb 24 23:35 6700 Jun 05 07:11 6700 Aug 13 11:34 6700 Aug 13 12:17 6700 Oct 23 02:25	19°≈30'19 19°≈29'40 21°≈32'20 28°≈45'11 25°≈26'02 25°≈25'54 22°≈03'40	0°32'10 10.76565 AU 0°23'57	minimum elong max. Earth dist. morning rise retrograde opposition min. Earth dist. direct	6706 Apr 19 10:34 6706 Apr 19 13:33 6706 May 06 04:17 6706 Aug 17 05:12 6706 Oct 26 17:22 6706 Oct 26 14:35 6707 Jan 04 04:59	0°815'25 0°816'19 2°815'31 9°835'10 6°814'11 6°814'42 2°855'14	1°43'25 10.86238 AU -2°14'58
minimum elong max. Earth dist. morning rise retrograde opposition min. Earth dist. direct	6700 Feb 08 02:34 6700 Feb 08 00:24 6700 Feb 24 23:35 6700 Jun 05 07:11 6700 Aug 13 11:34 6700 Aug 13 12:17 6700 Oct 23 02:25 6701 Feb 03 06:54	19°≈30'19 19°≈29'40 21°≈32'20 28°≈45'11 25°≈26'02 25°≈25'54 22°≈03'40 29°≈25'12	0°32'10 10.76565 AU 0°23'57	minimum elong max. Earth dist. morning rise retrograde opposition min. Earth dist. direct	6706 Apr 19 10:34 6706 Apr 19 13:33 6706 May 06 04:17 6706 Aug 17 05:12 6706 Oct 26 17:22 6706 Oct 26 14:35 6707 Jan 04 04:59	0°815'25 0°816'19 2°815'31 9°835'10 6°814'11 6°814'42 2°855'14 10°806'09	1°43'25 10.86238 AU -2°14'58 8.84747 AU
minimum elong max. Earth dist. morning rise retrograde opposition min. Earth dist. direct	6700 Feb 08 02:34 6700 Feb 08 00:24 6700 Feb 24 23:35 6700 Jun 05 07:11 6700 Aug 13 11:34 6700 Aug 13 12:17 6700 Oct 23 02:25 6701 Feb 03 06:54	19°≈30'19 19°≈29'40 21°≈32'20 28°≈45'11 25°≈26'02 25°≈25'54 22°≈03'40 29°≈25'12	0°32'10 10.76565 AU 0°23'57 8.79239 AU	minimum elong max. Earth dist. morning rise retrograde opposition min. Earth dist. direct evening set	6706 Apr 19 10:34 6706 Apr 19 13:33 6706 May 06 04:17 6706 Aug 17 05:12 6706 Oct 26 17:22 6706 Oct 26 14:35 6707 Jan 04 04:59 6707 Apr 14 17:14 6707 May 01 09:51 6707 May 01 09:50	0°815'25 0°816'19 2°815'31 9°835'10 6°814'11 6°814'42 2°855'14 10°806'09 12°806'17 12°806'16	1°43'25 10.86238 AU -2°14'58 8.84747 AU -1°55'31 1°55'33
minimum elong max. Earth dist. morning rise retrograde opposition min. Earth dist. direct evening set	6700 Feb 08 02:34 6700 Feb 08 00:24 6700 Feb 24 23:35 6700 Jun 05 07:11 6700 Aug 13 11:34 6700 Aug 13 12:17 6700 Oct 23 02:25 6701 Feb 03 06:54 6701 Feb 08 04:02	19°≈30'19 19°≈29'40 21°≈32'20 28°≈45'11 25°≈26'02 25°≈25'54 22°≈03'40 29°≈25'12 0° ★ 1° ★26'52 1° ★26'52	0°32'10 10.76565 AU 0°23'57 8.79239 AU	minimum elong max. Earth dist. morning rise retrograde opposition min. Earth dist. direct evening set conjunction	6706 Apr 19 10:34 6706 Apr 19 13:33 6706 May 06 04:17 6706 Aug 17 05:12 6706 Oct 26 17:22 6706 Oct 26 14:35 6707 Jan 04 04:59 6707 Apr 14 17:14	0°815'25 0°816'19 2°815'31 9°835'10 6°814'11 6°814'42 2°855'14 10°806'09 12°806'17 12°806'16	1°43'25 10.86238 AU -2°14'58 8.84747 AU
minimum elong max. Earth dist. morning rise retrograde opposition min. Earth dist. direct evening set conjunction minimum elong behind sun begin	6700 Feb 08 02:34 6700 Feb 08 00:24 6700 Feb 24 23:35 6700 Jun 05 07:11 6700 Aug 13 11:34 6700 Aug 13 12:17 6700 Oct 23 02:25 6701 Feb 03 06:54 6701 Feb 08 04:02	19°≈30'19 19°≈29'40 21°≈32'20 28°≈45'11 25°≈26'02 25°≈25'54 22°≈03'40 29°≈25'12 0° ★ 1° ★26'52 1° ★26'52 1° ★24'54	0°32'10 10.76565 AU 0°23'57 8.79239 AU	minimum elong max. Earth dist. morning rise retrograde opposition min. Earth dist. direct evening set conjunction minimum elong	6706 Apr 19 10:34 6706 Apr 19 13:33 6706 May 06 04:17 6706 Aug 17 05:12 6706 Oct 26 17:22 6706 Oct 26 14:35 6707 Jan 04 04:59 6707 Apr 14 17:14 6707 May 01 09:51 6707 May 01 09:50	0°815'25 0°816'19 2°815'31 9°835'10 6°814'11 6°814'42 2°855'14 10°806'09 12°806'16 12°807'01 14°807'07	1°43'25 10.86238 AU -2°14'58 8.84747 AU -1°55'31 1°55'33
minimum elong max. Earth dist. morning rise retrograde opposition min. Earth dist. direct evening set conjunction minimum elong	6700 Feb 08 02:34 6700 Feb 08 00:24 6700 Feb 24 23:35 6700 Jun 05 07:11 6700 Aug 13 11:34 6700 Aug 13 12:17 6700 Oct 23 02:25 6701 Feb 03 06:54 6701 Feb 08 04:02 6701 Feb 20 04:43 6701 Feb 20 04:42	19°≈30'19 19°≈29'40 21°≈32'20 28°≈45'11 25°≈26'02 25°≈25'54 22°≈03'40 29°≈25'12 0° ★ 1° ★26'52 1° ★26'52 1° ★24'54 1° ★28'51	0°32'10 10.76565 AU 0°23'57 8.79239 AU 0°06'31 0°06'33	minimum elong max. Earth dist. morning rise retrograde opposition min. Earth dist. direct evening set conjunction minimum elong max. Earth dist.	6706 Apr 19 10:34 6706 Apr 19 13:33 6706 May 06 04:17 6706 Aug 17 05:12 6706 Oct 26 17:22 6706 Oct 26 14:35 6707 Jan 04 04:59 6707 Apr 14 17:14 6707 May 01 09:51 6707 May 01 09:50 6707 May 01 12:17	0°815'25 0°816'19 2°815'31 9°835'10 6°814'11 6°814'42 2°855'14 10°806'09 12°806'16 12°807'01	1°43'25 10.86238 AU -2°14'58 8.84747 AU -1°55'31 1°55'33
minimum elong max. Earth dist. morning rise retrograde opposition min. Earth dist. direct evening set conjunction minimum elong behind sun begin	6700 Feb 08 02:34 6700 Feb 08 00:24 6700 Feb 24 23:35 6700 Jun 05 07:11 6700 Aug 13 11:34 6700 Aug 13 12:17 6700 Oct 23 02:25 6701 Feb 03 06:54 6701 Feb 08 04:02 6701 Feb 20 04:43 6701 Feb 20 04:42 6701 Feb 19 22:06	19°≈30'19 19°≈29'40 21°≈32'20 28°≈45'11 25°≈26'02 25°≈25'54 22°≈03'40 29°≈25'12 0° ★ 1° ★26'52 1° ★26'52 1° ★24'54 1° ★28'51	0°32'10 10.76565 AU 0°23'57 8.79239 AU	minimum elong max. Earth dist. morning rise retrograde opposition min. Earth dist. direct evening set conjunction minimum elong max. Earth dist.	6706 Apr 19 10:34 6706 Apr 19 13:33 6706 May 06 04:17 6706 Aug 17 05:12 6706 Oct 26 17:22 6706 Oct 26 14:35 6707 Jan 04 04:59 6707 Apr 14 17:14 6707 May 01 09:51 6707 May 01 09:50 6707 May 01 12:17 6707 May 18 04:52	0°815'25 0°816'19 2°815'31 9°835'10 6°814'11 6°814'42 2°855'14 10°806'09 12°806'16 12°807'01 14°807'07	1°43'25 10.86238 AU -2°14'58 8.84747 AU -1°55'31 1°55'33
minimum elong max. Earth dist. morning rise retrograde opposition min. Earth dist. direct evening set conjunction minimum elong behind sun begin behind sun end	6700 Feb 08 02:34 6700 Feb 08 00:24 6700 Feb 24 23:35 6700 Jun 05 07:11 6700 Aug 13 11:34 6700 Aug 13 12:17 6700 Oct 23 02:25 6701 Feb 03 06:54 6701 Feb 08 04:02 6701 Feb 20 04:43 6701 Feb 20 04:42 6701 Feb 19 22:06 6701 Feb 20 11:19	19°≈30'19 19°≈29'40 21°≈32'20 28°≈45'11 25°≈26'02 25°≈25'54 22°≈03'40 29°≈25'12 0° ★ 1° ★26'52 1° ★26'52 1° ★24'54 1° ★28'51	0°32'10 10.76565 AU 0°23'57 8.79239 AU 0°06'31 0°06'33	minimum elong max. Earth dist. morning rise retrograde opposition min. Earth dist. direct evening set conjunction minimum elong max. Earth dist. morning rise	6706 Apr 19 10:34 6706 Apr 19 13:33 6706 May 06 04:17 6706 Aug 17 05:12 6706 Oct 26 17:22 6706 Oct 26 14:35 6707 Jan 04 04:59 6707 Apr 14 17:14 6707 May 01 09:51 6707 May 01 09:50 6707 May 01 12:17 6707 May 18 04:52 6707 May 25 17:53	0°815'25 0°816'19 2°815'31 9°835'10 6°814'11 6°814'42 2°855'14 10°806'09 12°806'16 12°807'01 14°807'07 15°8	1°43'25 10.86238 AU -2°14'58 8.84747 AU -1°55'31 1°55'33 10.82642 AU
minimum elong max. Earth dist. morning rise retrograde opposition min. Earth dist. direct evening set conjunction minimum elong behind sun begin behind sun end max. Earth dist.	6700 Feb 08 02:34 6700 Feb 08 00:24 6700 Feb 24 23:35 6700 Jun 05 07:11 6700 Aug 13 11:34 6700 Aug 13 12:17 6700 Oct 23 02:25 6701 Feb 03 06:54 6701 Feb 08 04:02 6701 Feb 20 04:43 6701 Feb 20 04:42 6701 Feb 19 22:06 6701 Feb 20 11:19 6701 Feb 20 04:02	19°≈30'19 19°≈29'40 21°≈32'20 28°≈45'11 25°≈26'02 25°≈25'54 22°≈03'40 29°≈25'12 0° ★ 1° ★26'52 1° ★26'52 1° ★24'54 1° ★28'51 1° ★26'41	0°32'10 10.76565 AU 0°23'57 8.79239 AU 0°06'31 0°06'33	minimum elong max. Earth dist. morning rise retrograde opposition min. Earth dist. direct evening set conjunction minimum elong max. Earth dist. morning rise retrograde	6706 Apr 19 10:34 6706 Apr 19 13:33 6706 May 06 04:17 6706 Aug 17 05:12 6706 Oct 26 17:22 6706 Oct 26 14:35 6707 Jan 04 04:59 6707 Apr 14 17:14 6707 May 01 09:51 6707 May 01 09:50 6707 May 18 04:52 6707 May 25 17:53 6707 Aug 29 19:49	0°815'25 0°816'19 2°815'31 9°835'10 6°814'11 6°814'42 2°855'14 10°806'09 12°806'16 12°807'01 14°807'07 15°8 21°831'11 18°809'22	1°43'25 10.86238 AU -2°14'58 8.84747 AU -1°55'31 1°55'33 10.82642 AU
minimum elong max. Earth dist. morning rise retrograde opposition min. Earth dist. direct evening set conjunction minimum elong behind sun begin behind sun end max. Earth dist. morning rise	6700 Feb 08 02:34 6700 Feb 08 00:24 6700 Feb 24 23:35 6700 Jun 05 07:11 6700 Aug 13 11:34 6700 Aug 13 12:17 6700 Oct 23 02:25 6701 Feb 03 06:54 6701 Feb 20 04:42 6701 Feb 20 04:42 6701 Feb 20 04:42 6701 Feb 20 11:19 6701 Feb 20 04:02 6701 Feb 20 04:02 6701 Feb 20 04:09	19°≈30'19 19°≈29'40 21°≈32'20 28°≈45'11 25°≈26'02 25°≈25'54 22°≈03'40 29°≈25'12 0° \tag{26'52} 1°\tag{26'52} 1°\tag{26'52} 1°\tag{28'51} 1°\tag{26'41} 3°\tag{27'55}	0°32'10 10.76565 AU 0°23'57 8.79239 AU 0°06'31 0°06'33	minimum elong max. Earth dist. morning rise retrograde opposition min. Earth dist. direct evening set conjunction minimum elong max. Earth dist. morning rise retrograde opposition	6706 Apr 19 10:34 6706 Apr 19 13:33 6706 May 06 04:17 6706 Aug 17 05:12 6706 Oct 26 17:22 6706 Oct 26 14:35 6707 Jan 04 04:59 6707 Apr 14 17:14 6707 May 01 09:51 6707 May 01 09:50 6707 May 01 09:50 6707 May 01 12:17 6707 May 18 04:52 6707 May 25 17:53 6707 Aug 29 19:49 6707 Nov 08 08:12	0°815'25 0°816'19 2°815'31 9°835'10 6°814'11 6°814'42 2°855'14 10°806'09 12°806'16 12°807'01 14°807'07 15°8 21°831'11 18°809'22	1°43'25 10.86238 AU -2°14'58 8.84747 AU -1°55'31 1°55'33 10.82642 AU
minimum elong max. Earth dist. morning rise retrograde opposition min. Earth dist. direct evening set conjunction minimum elong behind sun begin behind sun end max. Earth dist. morning rise desc. node	6700 Feb 08 02:34 6700 Feb 08 00:24 6700 Feb 24 23:35 6700 Jun 05 07:11 6700 Aug 13 11:34 6700 Oct 23 02:25 6701 Feb 03 06:54 6701 Feb 08 04:02 6701 Feb 20 04:43 6701 Feb 20 04:42 6701 Feb 20 11:19 6701 Feb 20 04:02	19°≈30'19 19°≈29'40 21°≈32'20 28°≈45'11 25°≈26'02 25°≈25'54 22°≈03'40 29°≈25'12 0° \tag{4} 1°\tag{26'52} 1°\tag{26'52} 1°\tag{26'41} 3°\tag{27'55} 10°\tag{11'59}	0°32'10 10.76565 AU 0°23'57 8.79239 AU 0°06'31 0°06'33	minimum elong max. Earth dist. morning rise retrograde opposition min. Earth dist. direct evening set conjunction minimum elong max. Earth dist. morning rise retrograde opposition	6706 Apr 19 10:34 6706 Apr 19 13:33 6706 May 06 04:17 6706 Aug 17 05:12 6706 Oct 26 17:22 6706 Oct 26 14:35 6707 Jan 04 04:59 6707 Apr 14 17:14 6707 May 01 09:51 6707 May 01 09:50 6707 May 01 02:17 6707 May 18 04:52 6707 May 25 17:53 6707 Aug 29 19:49 6707 Nov 08 08:12 6707 Nov 08 05:52	0°815'25 0°816'19 2°815'31 9°835'10 6°814'11 6°814'42 2°855'14 10°806'09 12°806'16 12°807'01 14°807'07 15°8 21°831'11 18°809'22 18°809'48	1°43'25 10.86238 AU -2°14'58 8.84747 AU -1°55'31 1°55'33 10.82642 AU
minimum elong max. Earth dist. morning rise retrograde opposition min. Earth dist. direct evening set conjunction minimum elong behind sun begin behind sun end max. Earth dist. morning rise desc. node retrograde	6700 Feb 08 02:34 6700 Feb 08 00:24 6700 Feb 24 23:35 6700 Jun 05 07:11 6700 Aug 13 11:34 6700 Oct 23 02:25 6701 Feb 03 06:54 6701 Feb 08 04:02 6701 Feb 20 04:42 6701 Feb 20 04:42 6701 Feb 20 04:02 6701 Mar 09 00:14 6701 May 25 09:37 6701 Jun 17 13:24	19°≈30'19 19°≈29'40 21°≈32'20 28°≈45'11 25°≈26'02 25°≈25'54 22°≈03'40 29°≈25'12 0° ₩ 1° ₩26'52 1° ₩26'52 1° ₩28'51 1° ₩26'41 3° ₩27'55 10° ₩11'59 10° ₩39'09	0°32'10 10.76565 AU 0°23'57 8.79239 AU 0°06'31 0°06'33	minimum elong max. Earth dist. morning rise retrograde opposition min. Earth dist. direct evening set conjunction minimum elong max. Earth dist. morning rise retrograde opposition min. Earth dist.	6706 Apr 19 10:34 6706 Apr 19 13:33 6706 May 06 04:17 6706 Aug 17 05:12 6706 Oct 26 17:22 6706 Oct 26 14:35 6707 Jan 04 04:59 6707 Apr 14 17:14 6707 May 01 09:51 6707 May 01 09:50 6707 May 01 09:50 6707 May 18 04:52 6707 May 25 17:53 6707 Aug 29 19:49 6707 Nov 08 08:12 6707 Nov 08 05:52 6708 Jan 02 16:46	0°815'25 0°816'19 2°815'31 9°835'10 6°814'11 6°814'42 2°855'14 10°806'09 12°806'16 12°807'01 14°807'07 15°8 21°831'11 18°809'22 18°809'48 15°88	1°43'25 10.86238 AU -2°14'58 8.84747 AU -1°55'31 1°55'33 10.82642 AU
minimum elong max. Earth dist. morning rise retrograde opposition min. Earth dist. direct evening set conjunction minimum elong behind sun begin behind sun end max. Earth dist. morning rise desc. node retrograde opposition	6700 Feb 08 02:34 6700 Feb 08 00:24 6700 Feb 24 23:35 6700 Jun 05 07:11 6700 Aug 13 11:34 6700 Aug 13 12:17 6700 Oct 23 02:25 6701 Feb 03 06:54 6701 Feb 08 04:02 6701 Feb 20 04:42 6701 Feb 20 04:42 6701 Feb 20 11:19 6701 Feb 20 04:02 6701 Mar 09 00:14 6701 May 25 09:37 6701 Jun 17 13:24 6701 Aug 26 02:15	19°≈30'19 19°≈29'40 21°≈32'20 28°≈45'11 25°≈26'02 25°≈25'54 22°≈03'40 29°≈25'12 0° ₩ 1° ₩26'52 1° ₩26'52 1° ₩26'51 1° ₩26'41 3° ₩27'55 10° ₩11'59 10° ₩39'09 7° ₩20'10	0°32'10 10.76565 AU 0°23'57 8.79239 AU 0°06'31 0°06'33 10.81645 AU	minimum elong max. Earth dist. morning rise retrograde opposition min. Earth dist. direct evening set conjunction minimum elong max. Earth dist. morning rise retrograde opposition min. Earth dist.	6706 Apr 19 10:34 6706 Apr 19 13:33 6706 May 06 04:17 6706 Aug 17 05:12 6706 Oct 26 17:22 6706 Oct 26 14:35 6707 Jan 04 04:59 6707 Apr 14 17:14 6707 May 01 09:51 6707 May 01 09:50 6707 May 18 04:52 6707 May 25 17:53 6707 Aug 29 19:49 6707 Nov 08 08:12 6707 Nov 08 05:52 6708 Jan 02 16:46 6708 Jan 16 12:07	0°815'25 0°816'19 2°815'31 9°835'10 6°814'11 6°814'42 2°855'14 10°806'09 12°806'16 12°807'01 14°807'07 15°8 21°831'11 18°809'22 18°809'48 15°88 14°850'17	1°43'25 10.86238 AU -2°14'58 8.84747 AU -1°55'31 1°55'33 10.82642 AU
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minimum elong max. Earth dist. morning rise retrograde opposition min. Earth dist. direct evening set conjunction minimum elong behind sun begin behind sun end max. Earth dist. morning rise desc. node retrograde opposition min. Earth dist. direct evening set conjunction minimum elong max. Earth dist. direct evening set	6700 Feb 08 02:34 6700 Feb 08 00:24 6700 Feb 24 23:35 6700 Jun 05 07:11 6700 Aug 13 11:34 6700 Aug 13 12:17 6700 Oct 23 02:25 6701 Feb 03 06:54 6701 Feb 08 04:02 6701 Feb 20 04:42 6701 Feb 19 22:06 6701 Feb 20 04:02 6701 Feb 19 00:14 6701 May 25 09:37 6701 Jun 17 13:24 6701 Aug 26 02:15 6701 Aug 26 02:15 6701 Nov 04 16:16 6702 Feb 15 07:14 6702 Mar 04 03:09 6702 Mar 04 03:08 6702 Mar 04 03:01 6702 Mar 20 21:36 6702 Jun 29 19:33 6702 Sep 07 15:29	19°≈30'19 19°≈29'40 21°≈32'20 28°≈45'11 25°≈26'02 25°≈25'54 22°≈03'40 29°≈25'12 0° \tau 1°\ta26'52 1°\ta26'52 1°\ta26'51	0°32'10 10.76565 AU 0°23'57 8.79239 AU 0°06'31 0°06'33 10.81645 AU -0°07'48 8.83721 AU -0°19'16 10.85481 AU	minimum elong max. Earth dist. morning rise retrograde opposition min. Earth dist. direct evening set conjunction minimum elong max. Earth dist. morning rise retrograde opposition min. Earth dist. direct evening set conjunction min. Earth dist. direct evening set conjunction minimum elong max. Earth dist. direct evening set conjunction minimum elong max. Earth dist. morning rise	6706 Apr 19 10:34 6706 Apr 19 13:33 6706 May 06 04:17 6706 Aug 17 05:12 6706 Oct 26 17:22 6706 Oct 26 14:35 6707 Jan 04 04:59 6707 Apr 14 17:14 6707 May 01 09:51 6707 May 01 09:50 6707 May 01 12:17 6707 May 18 04:52 6707 May 25 17:53 6707 Aug 29 19:49 6707 Nov 08 08:12 6707 Nov 08 08:12 6707 Nov 08 05:52 6708 Jan 02 16:46 6708 Jan 16 12:07 6708 Jan 30 05:23 6708 May 12 12:51 6708 May 12 12:50 6708 May 12 12:50 6708 May 12 15:19 6708 May 29 09:52 6708 Jul 04 02:03 6708 Sep 10 14:46 6708 Nov 20 01:05	0°815'25 0°816'19 2°815'31 9°835'10 6°814'11 6°814'42 2°855'14 10°806'09 12°806'16 12°807'01 14°807'07 15°8 21°831'11 18°809'22 18°809'48 15°88 14°850'17 15°8 22°803'02 24°804'07 24°804'07 24°804'52 26°806'06 0°II 3°I35'16 0°I12'30	1°43'25 10.86238 AU -2°14'58 8.84747 AU -1°55'31 1°55'33 10.82642 AU -2°27'02 8.80437 AU -2°02'45 2°02'47 10.77622 AU
minimum elong max. Earth dist. morning rise retrograde opposition min. Earth dist. direct evening set conjunction minimum elong behind sun begin behind sun end max. Earth dist. morning rise desc. node retrograde opposition min. Earth dist. direct evening set conjunction minimum elong max. Earth dist. direct evening set	6700 Feb 08 02:34 6700 Feb 08 00:24 6700 Feb 24 23:35 6700 Jun 05 07:11 6700 Aug 13 11:34 6700 Aug 13 12:17 6700 Oct 23 02:25 6701 Feb 03 06:54 6701 Feb 08 04:02 6701 Feb 20 04:42 6701 Feb 20 04:42 6701 Feb 20 04:02 6701 Feb 30 02:14 6701 May 25 09:37 6701 Jun 17 13:24 6701 Aug 26 02:15 6701 Aug 26 02:15 6701 Nov 04 16:16 6702 Feb 15 07:14 6702 Mar 04 03:09 6702 Mar 04 03:01 6702 Mar 04 03:01 6702 Mar 20 21:36 6702 Jun 29 19:33 6702 Sep 07 15:29 6702 Sep 07 15:29	19°≈30'19 19°≈29'40 21°≈32'20 28°≈45'11 25°≈26'02 25°≈25'54 22°≈03'40 29°≈25'12 0° \text{10° \text{26'52}} 1°\text{26'52} 1°\text{26'52} 1°\text{26'41} 3°\text{26'41} 3°\text{26'41} 3°\text{26'41} 3°\text{26'41} 3°\text{26'41} 3°\text{26'41} 3°\text{26'41} 3°\text{26'41} 3°\text{26'41} 3°\text{39'09} 7°\text{20'10} 7°\text{20'10} 3°\text{58'45} 11°\text{11'59} 10°\text{31'6'46} 13°\text{16'46} 13°\text{16'46} 13°\text{16'44} 15°\text{17'04} 22°\text{27'52} 19°\text{198'51}	0°32'10 10.76565 AU 0°23'57 8.79239 AU 0°06'31 0°06'33 10.81645 AU -0°07'48 8.83721 AU -0°19'16 10.85481 AU	minimum elong max. Earth dist. morning rise retrograde opposition min. Earth dist. direct evening set conjunction minimum elong max. Earth dist. morning rise retrograde opposition min. Earth dist. direct evening set conjunction min. Earth dist. direct evening set conjunction minimum elong max. Earth dist. direct evening set conjunction minimum elong max. Earth dist. morning rise	6706 Apr 19 10:34 6706 Apr 19 13:33 6706 May 06 04:17 6706 Aug 17 05:12 6706 Oct 26 17:22 6706 Oct 26 14:35 6707 Jan 04 04:59 6707 Apr 14 17:14 6707 May 01 09:51 6707 May 01 09:50 6707 May 18 04:52 6707 May 25 17:53 6707 Aug 29 19:49 6707 Nov 08 08:12 6707 Nov 08 08:12 6707 Nov 08 05:52 6708 Jan 02 16:46 6708 Jan 16 12:07 6708 Jan 30 05:23 6708 May 12 12:51 6708 May 12 12:51 6708 May 12 12:50 6708 May 12 12:50 6708 May 12 15:19 6708 May 29 09:52 6708 Jul 04 02:03 6708 Sep 10 14:46 6708 Nov 20 01:05 6708 Nov 19 22:37	0°815'25 0°816'19 2°815'31 9°835'10 6°814'11 6°814'42 2°855'14 10°806'09 12°806'16 12°807'01 14°807'07 15°8 21°831'11 18°809'22 18°809'48 15°88 14°850'17 15°8 22°803'02 24°804'07 24°804'52 26°806'06 0°II 3°II35'16 0°II12'30 0°II12'58	1°43'25 10.86238 AU -2°14'58 8.84747 AU -1°55'31 1°55'33 10.82642 AU -2°27'02 8.80437 AU -2°02'45 2°02'47 10.77622 AU

	6709 Mar 30 20:10	∏ °0			6715 May 31 01:25	15° Ω	
evening set	6709 May 08 00:39	4° Ⅱ 08'39		evening set	6715 Jul 24 19:35	20° Ω 47'55	
conjunction	6709 May 24 20:57	6° Ⅱ 11'05	-2°04'38	conjunction	6715 Aug 11 14:54	23° Ω 02'14	-0°24'45
minimum elong	6709 May 24 20:58	6° Ⅱ 11'05	2°04'41	minimum elong	6715 Aug 11 14:55	23° Ω 02'14	0°24'48
max. Earth dist.	6709 May 25 00:20	6° Ⅱ 12'07	10.71395 AU	max. Earth dist.	6715 Aug 11 17:30	23° Ω 03′03	10.28619 AU
morning rise	6709 Jun 10 20:36	8° Ⅱ 14'34		morning rise	6715 Aug 29 12:59	25° Ω 17'27	
retrograde	6709 Sep 23 13:52	15° Ⅱ 49'12			6715 Oct 10 11:55	0° ™	
opposition	6709 Dec 02 20:14	12° Ⅱ 25′26	-2°31'53	retrograde	6715 Dec 13 02:46	3° Mp 18′28	
min. Earth dist.	6709 Dec 02 17:07	12° Ⅱ 26′01	8.68067 AU		6716 Feb 17 06:12	30° R Ω	
direct	6710 Feb 09 07:00	9° Ⅱ 05′28		opposition	6716 Feb 19 05:33	29° Ω 50′25	-0°12'40
evening set	6710 May 20 11:32	16° Ⅲ 24'41		min. Earth dist.	6716 Feb 19 03:39	29° Ω 50'48	8.26106 AU
				direct	6716 Apr 26 07:18	26° Ω 24'34	
conjunction	6710 Jun 06 10:52	18° Ⅱ 28'49	-2°00'53	asc. node	6716 Jun 30 17:28	29° Ω 59'59	
minimum elong	6710 Jun 06 10:53	18° Ⅱ 28'49	2°00'56		6716 Jun 30 17:30	0° m	
max. Earth dist.	6710 Jun 06 14:37	18° Ⅱ 29'58	10.64295 AU	evening set	6716 Aug 06 22:32	4° Mp 15'10	
morning rise	6710 Jun 23 13:51	20° Ⅲ 34′05					
retrograde	6710 Oct 06 19:06	28° Ⅱ 14'16		conjunction	6716 Aug 24 20:35	6° Mp 30′55	0°04'19
opposition	6710 Dec 15 18:21	24° Ⅱ 49'30	-2°23'54	minimum elong	6716 Aug 24 20:36	6° № 30'55	0°04'18
min. Earth dist.	6710 Dec 15 14:58	24° Ⅱ 50′09	8.60645 AU	behind sun begin	6716 Aug 24 13:25	6° № 28'40	
direct	6711 Feb 21 20:12	21° Ⅲ 28'48		behind sun end	6716 Aug 25 03:47	6° № 33'11	
evening set	6711 Jun 02 04:11	28° Ⅱ 52'21		max. Earth dist.	6716 Aug 24 22:07	6°₩31'22	10.23961 AU
	6711 Jun 11 09:44	0ං වෙ		morning rise	6716 Sep 11 20:39	8° ™ 47'20	
				retrograde	6716 Dec 26 02:32	16° m 49'41	
conjunction	6711 Jun 19 07:04	0° © 58'25	-1°51'25	opposition	6717 Mar 03 20:17	13°Mp21'38	0°23'33
minimum elong	6711 Jun 19 07:06	0° © 58'25	1°51'28	min. Earth dist.	6717 Mar 03 19:19	13° m 21'50	8.22196 AU
max. Earth dist.	6711 Jun 19 10:25	0° © 59'27	10.56686 AU	direct	6717 May 09 22:54	9° ™ 54'50	
morning rise	6711 Jul 06 14:02	3° © 05'43		evening set	6717 Aug 21 06:51	17° m 50′20	
retrograde	6711 Oct 20 03:57	10° © 51'19					
opposition	6711 Dec 28 19:34	7° 5 25'36	-2°08'56	conjunction	6717 Sep 08 06:29	20° Mp 07'01	0°33'14
min. Earth dist.	6711 Dec 28 16:36	7° 5 26'10	8.52892 AU	minimum elong	6717 Sep 08 06:27	20° m 07'00	0°33'14
direct	6712 Mar 05 12:43	4° © 03'58		max. Earth dist.	6717 Sep 08 06:29	20° m 07'01	10.20839 AU
evening set	6712 Jun 14 03:27	11° 5 32'29		morning rise	6717 Sep 26 07:13	22° m 24'03	
					6717 Dec 18 00:05	0∘ ⊽	
conjunction	6712 Jul 01 10:26	13° 5 40'39	-1°36'25	retrograde	6718 Jan 09 02:24	0° ჲ 26'28	
minimum elong	6712 Jul 01 10:29	13°9540'40	1°36'29		6718 Jan 31 04:53	30°R, Mp	
max. Earth dist.	6712 Jul 01 13:08		10.48949 AU	opposition	6718 Mar 17 12:31	26° Mp 58′40	0°58'44
morning rise	6712 Jul 18 21:42	15° © 50'07		min. Earth dist.	6718 Mar 17 12:40	26° Mp 58'38	8.19945 AU
retrograde	6712 Nov 01 15:52	23°5940'41		direct	6718 May 23 17:45	23° Mp 31'05	
opposition	6713 Jan 09 23:46	20°514'07			6718 Aug 23 11:03	0∘ ⊽	
min. Earth dist.	6713 Jan 09 21:32		8.45196 AU	evening set	6718 Sep 04 18:48	1° ≏ 30'36	
direct	6713 Mar 18 10:58	16° © 51'27				_	
evening set	6713 Jun 27 09:42	24°9525'22		conjunction	6718 Sep 22 18:50	3° Ω 47'38	1°00'29
				minimum elong	6718 Sep 22 18:47	3° £ 47'37	
conjunction	6713 Jul 14 21:06	26°535'44		max. Earth dist.	6718 Sep 22 17:30		10.19451 AU
minimum elong	6713 Jul 14 21:09	26°935'45		morning rise	6718 Oct 10 19:02	6° £ 04'42	
max. Earth dist.	6713 Jul 14 23:44		10.41453 AU	retrograde	6719 Jan 23 01:43	14° £ 05'51	1020111
morning rise	6713 Aug 01 12:34	28°547'20		opposition	6719 Mar 31 05:38	10° £ 38'34	1°30'41
1	6713 Aug 11 13:28	0°N		min. Earth dist.	6719 Mar 31 06:38	10° £ 38′22	8.19501 AU
retrograde	6713 Nov 15 07:38	6° Ω 42'17	1010152	direct	6719 Jun 06 16:13	7° £ 10′26	
opposition min. Earth dist.	6714 Jan 23 06:58 6714 Jan 23 04:58	3° Ω 15'01	-1°19'53 8.37926 AU	evening set	6719 Sep 19 08:24	15° £ 12'44	
min. Earth dist.			8.37920 AU	aaniumatian	6710 Oct. 07. 07:46	179 0 20122	192420
J: 4	6714 Mar 18 22:09	30° ₹© 29° © 51'16		conjunction	6719 Oct 07 07:46	17° £ 29'32	
direct	6714 Mar 31 14:05	29° ω 31'16		minimum elong	6719 Oct 07 07:43	17° £ 29'31	1°24'21
avanina aat	6714 Apr 13 03:32 6714 Jul 10 23:06	0 3€ 7° Ω 30'48		max. Earth dist.	6719 Oct 07 05:34	17 ≗ 28 30 19° £ 46'04	10.19893 AU
evening set	0/14 Jul 10 23.00	1 063048		morning rise retrograde	6719 Oct 25 06:16 6720 Feb 05 22:14	19° 22 46 04 27° 2 44'41	
conjunction	6714 Jul 28 14:44	9° Ω 43'16	-0°52'06	opposition	6720 Apr 12 22:46	27 ≗ 44 41 24° ≗ 18'07	1°57'29
minimum elong	6714 Jul 28 14:44 6714 Jul 28 14:46	9° Ω 43'17		min. Earth dist.	6720 Apr 12 22:46 6720 Apr 13 00:04	24° £ 1807 24° £ 17'51	8.20890 AU
max. Earth dist.	6714 Jul 28 17:30		10.34555 AU	direct	6720 Apr 13 00:04 6720 Jun 19 17:00	24 ≗ 1731 20° £ 49'42	5.20090 AU
morning rise	6714 Aug 15 09:52	9 δί 44 08 11° Ω 56'50	10.57333 AU	evening set	6720 Oct 02 21:47	20 ≗ 4942 28° £ 53'21	
morning 1150	6714 Aug 13 09.32 6714 Sep 10 11:02	11 δί 36 30		evening set	6720 Oct 11 17:34	0°M	
retrograde	6714 Sep 10 11:02 6714 Nov 29 04:07	13 % 19° Ω 55'20			0/20 OCt 11 1/.34	O IIG	
opposition	6714 Nov 29 04.07 6715 Feb 05 16:59	19 δι 33 20 16° Ω 27'34	-0°47'48	conjunction	6720 Oct 20 19:32	1°M09'23	1°43'22
min. Earth dist.	6715 Feb 05 16:59		8.31446 AU	minimum elong	6720 Oct 20 19:32 6720 Oct 20 19:29	1°M09'22	
Dartii dist.	6715 Feb 24 11:27	10 8ℓ2 739 15°R Ω	5.51 110 /10	max. Earth dist.	6720 Oct 20 17:09		10.22144 AU
direct	6715 Apr 13 20:15	13° Ω 02'45		morning rise	6720 Nov 07 15:20	3°M24'51	10.22177 AU
311000	5/15/1pi 15/20.15	15 0602 75		111011111115 1150	5/20 HOV 0/ 15.20	J 11 0∠T J1	

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retrograde	6733 Jul 18 10:24	11° Υ 10'43 7° Υ 50'54	1022140	retrograde	6739 Oct 01 13:38	23° Ⅱ 16'54	2020112
opposition min. Earth dist.	6733 Sep 26 15:21		8.86955 AU	opposition min. Earth dist.	6739 Dec 10 16:51 6739 Dec 10 13:26	19° Ⅲ 52'03 19° Ⅲ 52'43	
direct	6733 Sep 26 14:57 6733 Dec 05 20:23	4° Υ 30'53	8.80933 AU	direct	6740 Feb 16 22:23	19 П 3243 16° П 31'13	8.01920 AU
evening set	6734 Mar 17 04:37	11° Υ 42'42		evening set	6740 May 27 04:34	23° I 53'41	
evening set	0/34 Mai 1/ 04.37	11 4242		evening set	0740 May 27 04.34	23 113341	
conjunction	6734 Apr 02 21:18	13° Ƴ 42'24	-1°18'44	conjunction	6740 Jun 13 05:56	25° ∏ 59'06	-1°56'05
minimum elong	6734 Apr 02 21:16	13° Υ 42'23	1°18'46	minimum elong	6740 Jun 13 05:57	25° Ⅱ 59'07	
max. Earth dist.	6734 Apr 02 21:28	13° Ƴ 42'27	10.86557 AU	max. Earth dist.	6740 Jun 13 10:26	26° Ⅱ 00'30	10.58260 AU
morning rise	6734 Apr 19 14:36	15° Ƴ 42'16		morning rise	6740 Jun 30 11:17	28° Ⅱ 05'45	
retrograde	6734 Jul 30 18:48	22° Y 57'56			6740 Jul 16 16:25	0 \circ \odot	
opposition	6734 Oct 09 04:09	19° Y 37'27	-1°48'14	retrograde	6740 Oct 13 21:07	5° 5 49'51	
min. Earth dist.	6734 Oct 09 03:28	19° Y 37'35	8.85923 AU	opposition	6740 Dec 22 17:15	2° 5 24'11	-2°16'04
direct	6734 Dec 18 03:11	16° Ƴ 17'41		min. Earth dist.	6740 Dec 22 13:20	2° 5 24'57	8.54762 AU
evening set	6735 Mar 29 01:30	23° Y 28'53			6741 Jan 26 02:29	30°Ŗ Ⅱ	
				direct	6741 Feb 28 14:21	29° Ⅱ 02'41	
conjunction	6735 Apr 14 17:44	25° Y 28′38			6741 Apr 02 12:36	0 \circ \odot	
minimum elong	6735 Apr 14 17:42	25° Y 28'38		evening set	6741 Jun 09 01:29	6° 5 29'44	
max. Earth dist.	6735 Apr 14 18:52		10.84770 AU				
morning rise	6735 May 01 11:21	27° Y 28'49		conjunction	6741 Jun 26 06:54	8° © 37'11	
	6735 May 23 19:21	0°8		minimum elong	6741 Jun 26 06:57		1°43'22
retrograde	6735 Aug 12 04:41	4° 8 47'52		max. Earth dist.	6741 Jun 26 12:12		10.51044 AU
opposition	6735 Oct 21 17:32	1° 8 26'35		morning rise	6741 Jul 13 16:16	10°545'53	
min. Earth dist.	6735 Oct 21 15:41	1° 8 26'55	8.83461 AU	retrograde	6741 Oct 27 08:49	18°935'03	1055105
	6735 Nov 10 13:53	30°RΥ		opposition	6742 Jan 04 20:33	15°508'40	
direct	6735 Dec 30 09:33	28° Y 06'56		min. Earth dist.	6742 Jan 04 16:08		8.47523 AU
	6736 Feb 16 09:31	0°8		direct	6742 Mar 13 10:31	11°546'25	
evening set	6736 Apr 08 23:46	5° 8 18'32		evening set	6742 Jun 22 05:23	19°©18'33	
conjunction	6736 Apr 25 16:21	7° 8 18'43	-1°50'58	conjunction	6742 Jul 09 15:01	21° © 28'08	-1°25'13
minimum elong	6736 Apr 25 16:19	7° 8 18'43		minimum elong	6742 Jul 09 15:04	21°S28'08	
max. Earth dist.	6736 Apr 25 19:06		10.81596 AU	max. Earth dist.	6742 Jul 09 20:02		10.43937 AU
morning rise	6736 May 12 10:47	9° 8 19'30	10.01270710	morning rise	6742 Jul 27 04:35	23°938'56	10.13737 110
	6736 Jul 08 13:07	15° 8			6742 Sep 28 00:13	0°N	
retrograde	6736 Aug 23 19:40	16° 8 42'47		retrograde	6742 Nov 10 01:07	1° Ω 32'38	
	6736 Oct 10 09:35	15° ₹ 8			6742 Dec 23 15:13	30° №	
opposition	6736 Nov 02 08:12	13° 8 20'37	-2°22'48	opposition	6743 Jan 18 03:09	28°905'42	-1°31'52
min. Earth dist.	6736 Nov 02 05:05	13° 8 21'12	8.79659 AU	min. Earth dist.	6743 Jan 17 23:04	28° © 06'31	8.40576 AU
direct	6737 Jan 10 16:58	10° 8 00'56		direct	6743 Mar 26 10:39	24°5942'36	
	6737 Apr 01 12:06	15° 8			6743 Jun 15 23:54	$0^{\circ}\Omega$	
evening set	6737 Apr 21 00:32	17° 8 13'54		evening set	6743 Jul 05 16:20	2° Ω 20′06	
conjunction	6737 May 07 18:07	19° 8 14'53		conjunction	6743 Jul 23 06:08	4° Ω 31'46	
minimum elong	6737 May 07 18:06	19° 8 14'52		minimum elong	6743 Jul 23 06:11	4° Ω 31'46	1°02'36
max. Earth dist.	6737 May 07 21:50		10.77155 AU	max. Earth dist.	6743 Jul 23 10:19		10.37309 AU
morning rise	6737 May 24 14:12	21° 8 16'39		morning rise	6743 Aug 09 23:46	6° Ω 44'35	
retrograde	6737 Sep 05 14:21	28° 8 44'43		retrograde	6743 Nov 23 21:14	14° Ω 42'01	
opposition	6737 Nov 15 00:40	25° 8 21'39		opposition	6744 Jan 31 12:45	11° Ω 14'43	
min. Earth dist.	6737 Nov 14 21:01		8.74655 AU	min. Earth dist.	6744 Jan 31 09:32	11° Ω 15'21	8.34290 AU
direct	6738 Jan 22 23:11	22° 8 01'46		direct	6744 Apr 07 15:20	7° Ω 50'41	
evening set	6738 May 03 05:06	29° ႘ 17'04 0° Ⅱ		avanina aat	6744 Jul 13 20:51 6744 Jul 18 10:35	15° Ω 15° Ω 33'41	
	6738 May 09 03:59	υщ		evening set	0/44 Jul 18 10.33	13 663341	
conjunction	6738 May 20 00:22	1° Ⅱ 19'11	-2°04'35	conjunction	6744 Aug 05 04:15	17° Ω 47'13	-0°36'16
minimum elong	6738 May 20 00:22	1° П 19'11		minimum elong	6744 Aug 05 04:16	17° Ω 47'14	
max. Earth dist.	6738 May 20 03:46		10.71617 AU	max. Earth dist.	6744 Aug 05 07:21		10.31500 AU
morning rise	6738 Jun 05 22:54	3° П 22'17	10.71017110	morning rise	6744 Aug 23 01:18	20° Ω 01'47	10.51000110
retrograde	6738 Sep 18 11:32	10° I 55'33		retrograde	6744 Dec 06 18:20	28° Ω 01'54	
opposition	6738 Nov 27 19:21	7° Д 31'35	-2°33'16	opposition	6745 Feb 13 00:45	24° Ω 34'24	-0°27'20
min. Earth dist.	6738 Nov 27 16:01	7° Ⅲ 32'14		min. Earth dist.	6745 Feb 12 22:35	24° Ω 34'51	8.28987 AU
direct	6739 Feb 04 08:42	4° Ⅱ 11'18		direct	6745 Apr 21 02:16	21° Ω 09′25	
evening set	6739 May 15 14:08	11° Ⅱ 29'50		evening set	6745 Aug 01 11:25	28° Ω 57'45	
					6745 Aug 09 18:18	0° m	
conjunction	6739 Jun 01 12:00	13° Ⅱ 33'27	-2°03'12				
minimum elong	6739 Jun 01 12:01	13° Ⅱ 33'27		conjunction	6745 Aug 19 08:17	1°Mp12'51	-0°07'48
max. Earth dist.	6739 Jun 01 15:37		10.65224 AU	minimum elong	6745 Aug 19 08:17	1°Mp12'51	0°07'50
morning rise	6739 Jun 18 13:42	15° Ⅲ 38'11		behind sun begin	6745 Aug 19 01:45	1° m 10'48	

behind sun end	6745 Aug 19 14:49	1° m 14'54		conjunction	6751 Nov 12 21:08	22°M54'51	2°01'13
max. Earth dist.	6745 Aug 19 10:29		10.26790 AU	minimum elong	6751 Nov 12 21:07	22°M54'51	2°01'17
morning rise	6745 Sep 06 07:42	3° m 28'43		max. Earth dist.	6751 Nov 12 16:42	22°M53'27	10.29661 AU
asc. node	6745 Nov 28 01:34	11° mp 02'59		morning rise	6751 Nov 30 11:49	25°M07'51	
retrograde	6745 Dec 20 16:51	11° m 30'25		C	6752 Jan 13 06:02	0° ∡ ¹	
opposition	6746 Feb 26 14:56	8° m, 02'53	0°08'41	retrograde	6752 Mar 11 14:07	2° х 54'36	
min. Earth dist.	6746 Feb 26 13:27	8° m 03'11	8.24906 AU	· ·	6752 May 11 11:48	30°RM₀	
direct	6746 May 04 17:17	4° m 37'00		opposition	6752 May 17 14:26	29°M30'44	2°33'04
evening set	6746 Aug 15 17:38	12° m/30'10		min. Earth dist.	6752 May 17 17:22	29°M30'08	8.32561 AU
•	•			direct	6752 Jul 25 07:43	26°M02'49	
conjunction	6746 Sep 02 16:41	14° Mp 46'21	0°21'27		6752 Oct 03 22:06	0°⊀	
minimum elong	6746 Sep 02 16:40	14° Mp 46'21	0°21'26	evening set	6752 Nov 08 06:02	4° ₹ 02'01	
max. Earth dist.	6746 Sep 02 18:10	14° m 46'49	10.23368 AU	-			
morning rise	6746 Sep 20 17:12	17° m 03'02		conjunction	6752 Nov 25 20:51	6° ⊀ 14'20	2°03'59
retrograde	6747 Jan 03 16:48	25° Mp 05'09		minimum elong	6752 Nov 25 20:51	6° ∡ 14′20	2°04'03
opposition	6747 Mar 12 06:39	21°Mp37'47	0°44'31	max. Earth dist.	6752 Nov 25 16:35	6° ∡ 13′00	10.35455 AU
min. Earth dist.	6747 Mar 12 05:43	21°Mp37'58	8.22192 AU	morning rise	6752 Dec 13 08:08	8° ∡ ¹25'35	
direct	6747 May 18 10:44	18° Mp 11'06		retrograde	6753 Mar 24 20:07	16° ∡ 06'32	
evening set	6747 Aug 30 04:14	26° Mp 08'31		opposition	6753 May 31 01:16	12° ∡ ⁴43'34	2°32'15
•	•	-		min. Earth dist.	6753 May 31 03:53	12° ∡ ⁴43′03	8.38866 AU
conjunction	6747 Sep 17 04:17	28° m 25'18	0°49'35	direct	6753 Aug 08 05:10	9° ∡ 16'04	
minimum elong	6747 Sep 17 04:15	28° m 25'17	0°49'34	evening set	6753 Nov 22 01:37	17° ∡ 11'00	
max. Earth dist.	6747 Sep 17 04:32	28° m 25'23	10.21357 AU	Č			
	6747 Sep 29 14:08	0∘ ⊽		conjunction	6753 Dec 09 13:37	19° ∡ ²21'35	2°00'14
morning rise	6747 Oct 05 04:40	0° £ 42'14		minimum elong	6753 Dec 09 13:38	19° ∡ ¹21'35	2°00'18
retrograde	6748 Jan 17 17:43	8° ≏ 43'38		max. Earth dist.	6753 Dec 09 09:59	19° ∡ 20′26	10.42200 AU
opposition	6748 Mar 24 23:18	5° £ 16'40	1°18'00	morning rise	6753 Dec 26 21:37	21° 尽 31′00	
min. Earth dist.	6748 Mar 24 23:18	5° £ 16'40	8.20972 AU	retrograde	6754 Apr 06 22:22	29° ∡ ¹05'56	
direct	6748 May 31 06:47	1° ≏ 49'21		opposition	6754 Jun 13 09:00	25° ∡ ¹43'50	2°23'35
evening set	6748 Sep 12 17:32	9° £ 50'10		min. Earth dist.	6754 Jun 13 11:40	25° ∡ ′43′18	8.45927 AU
•	•			direct	6754 Aug 21 21:52	22° ∡ 16'55	
conjunction	6748 Sep 30 17:20	12° ჲ 06'59	1°14'59		6754 Dec 04 16:08	0°ප	
minimum elong	6748 Sep 30 17:17	12° ≏ 06'58	1°15'00	evening set	6754 Dec 05 13:32	0° る 06'30	
max. Earth dist.	6748 Sep 30 16:11	12° ჲ 06'37	10.20915 AU				
morning rise	6748 Oct 18 16:25	14° ≏ 23'38		conjunction	6754 Dec 22 22:46	2° る 15'21	1°50'25
retrograde	6749 Jan 30 15:54	22° ₽ 23'06		minimum elong	6754 Dec 22 22:47	2° る 15'21	1°50'28
opposition	6749 Apr 07 16:32	18° ≏ 56'44	1°47'06	max. Earth dist.	6754 Dec 22 19:21	2° る 14'17	10.49524 AU
min. Earth dist.	6749 Apr 07 17:39	18° ≏ 56'30	8.21408 AU	morning rise	6755 Jan 09 03:53	4° る 22'59	
direct	6749 Jun 14 06:28	15° ≏ 28'57		retrograde	6755 Apr 19 20:23	11° る 52'00	
evening set	6749 Sep 27 07:17	23° ₽ 31'50		opposition	6755 Jun 26 13:25	8° ප 30'43	2°07'54
-				min. Earth dist.	6755 Jun 26 16:31	8° る 30'07	8.53368 AU
conjunction	6749 Oct 15 05:42	25° ≏ 48'06	1°36'08	direct	6755 Sep 04 09:32	5° る 04'31	
minimum elong	6749 Oct 15 05:39	25° ≏ 48'05	1°36'11	evening set	6755 Dec 18 17:54	12° る 48'11	
max. Earth dist.	6749 Oct 15 03:05	25° ≏ 47'17	10.22177 AU				
morning rise	6749 Nov 02 02:30	28° ჲ 03'55		conjunction	6756 Jan 05 00:22	14° る 55'18	1°35'20
	6749 Nov 18 00:21	0°M		minimum elong	6756 Jan 05 00:24	14° る 55'18	1°35'23
retrograde	6750 Feb 13 10:57	6°M00'14		max. Earth dist.	6756 Jan 04 20:36	14° る 54'08	10.57045 AU
opposition	6750 Apr 21 09:24	2°M34'37	2°10'05	morning rise	6756 Jan 22 03:00	17° る 01'16	
min. Earth dist.	6750 Apr 21 11:43	2°M34'09	8.23565 AU	retrograde	6756 May 01 11:16	24° る 24'47	
	6750 May 27 08:31	30° ₹ Ω		opposition	6756 Jul 08 14:19	21° る 04'15	1°46'20
direct	6750 Jun 28 07:23	29° ഫ 06'34		min. Earth dist.	6756 Jul 08 17:30	21° る 03'38	8.60822 AU
	6750 Jul 30 02:55	0° M		direct	6756 Sep 16 18:20	17° る 38'54	
evening set	6750 Oct 11 19:20	7°M09'55		evening set	6756 Dec 30 14:47	25° る 16'25	
conjunction	6750 Oct 29 15:34	9°M25'10	1°51'49	conjunction	6757 Jan 16 18:43	27° る 21'53	1°15'57
minimum elong	6750 Oct 29 15:32	9°M25'10	1°51'52	minimum elong	6757 Jan 16 18:45	27° る 21'54	1°15'59
max. Earth dist.	6750 Oct 29 11:40	9°M23'56	10.25143 AU	max. Earth dist.	6757 Jan 16 14:56	27° る 20'43	10.64406 AU
morning rise	6750 Nov 16 09:30	11° M 39'44		morning rise	6757 Feb 02 19:14	29° る 26'19	
	6750 Dec 14 18:13	15° M ₊			6757 Feb 07 12:10	0° ≈	
retrograde	6751 Feb 27 02:37	19°M31'43		retrograde	6757 May 13 23:27	6° ≈ 45'09	
opposition	6751 May 05 00:54	16°M06'57	2°25'38	opposition	6757 Jul 21 11:59	3° ≈ 25′12	1°20'11
min. Earth dist.	6751 May 05 03:49	16°M06'22	8.27360 AU	min. Earth dist.	6757 Jul 21 14:23	3° ≈ 24'45	8.67944 AU
	6751 May 19 02:51	15°RM		direct	6757 Sep 29 22:35	0° ≈ 00′50	
direct	6751 Jul 12 07:52	12°M38'51		evening set	6758 Jan 12 04:43	7° ≈ 32'16	
	6751 Sep 03 09:05	15°M					
evening set	6751 Oct 26 03:29	20°M40'56		conjunction	6758 Jan 29 06:26	9° ≈ 36'15	0°53'21
				minimum elong	6758 Jan 29 06:28	9° ≈ 36′16	0°53'23

max. Earth dist.	6758 Jan 29 03:40	9° ≈ 35'25	10.71266 AU	direct	6763 Dec 13 04:17	11° Y 25'03	
morning rise	6758 Feb 15 05:02	11° ≈ 39′19		evening set	6764 Mar 23 05:52	18° Y 35'16	
. 1	6758 Mar 17 04:41	15° ≈			(7(4) 00 22 12	2000024120	1020116
retrograde	6758 May 26 09:52	18°≈54'24	0°50'49	conjunction	6764 Apr 08 22:12	20° Υ 34'39 20° Υ 34'38	-1°29'16 1°29'18
opposition min. Earth dist.	6758 Aug 03 06:36 6758 Aug 03 07:49	15°≈34'54 15°≈34'41	8.74407 AU	minimum elong max. Earth dist.	6764 Apr 08 22:10 6764 Apr 09 00:45		10.88307 AU
iiiii. Eartii dist.	6758 Aug 10 23:16	15 ≈3441 15°R≈	6.74407 AU	morning rise	6764 Apr 25 15:19	20 Υ 3323 22° Υ 34'19	10.86307 AU
direct	6758 Oct 12 20:25	13° ≈ 11'35		retrograde	6764 Aug 06 03:00	29° Y 50'33	
	6758 Dec 11 20:34	15° ≈		opposition	6764 Oct 15 14:01	26° Υ 30'13	-1°59'48
evening set	6759 Jan 24 13:00	19° ≈ 37'22		min. Earth dist.	6764 Oct 15 11:29	26° Ƴ 30'42	8.87464 AU
C				direct	6764 Dec 24 08:57	23° Υ 11'12	
conjunction	6759 Feb 10 12:39	21° ≈ 40′02	0°28'39		6765 Apr 01 02:13	9° 8	
minimum elong	6759 Feb 10 12:40	21° ≈ 40′03	0°28'41	evening set	6765 Apr 04 02:51	0° 8 21'17	
max. Earth dist.	6759 Feb 10 11:14	21° ≈ 39'37	10.77307 AU				
morning rise	6759 Feb 27 09:29	23° ≈ 41'55		conjunction	6765 Apr 20 18:58	2° 8 20'53	-1°45'09
	6759 May 05 23:16	0° ∀		minimum elong	6765 Apr 20 18:56	2° 8 20'53	
retrograde	6759 Jun 07 17:05	0° ∺ 54'19		max. Earth dist.	6765 Apr 20 21:15		10.86058 AU
	6759 Jul 11 02:28	30° ₹ ≈		morning rise	6765 May 07 12:50	4° 8 21'01	
opposition	6759 Aug 15 22:39	27° ≈ 35'09	0°19'37	retrograde	6765 Aug 18 14:48	11° 8 40'59	
min. Earth dist.	6759 Aug 15 23:20	27° ≈ 35'01	8.79928 AU	opposition	6765 Oct 28 03:17	8° 8 19'57	
direct	6759 Oct 25 13:17	24°≈12'49		min. Earth dist.	6765 Oct 28 01:01		8.84507 AU
	6760 Jan 23 03:35	0° ∀		direct	6766 Jan 05 14:49	5° 8 01'00	
evening set	6760 Feb 05 16:36	1°) 33'41		evening set	6766 Apr 16 01:47	12° 8 12'00	
	(7(0 E-k 22 14.11	201/25112	0°03'00	:	(7((M 02, 19-22	14° 8 12'12	1957120
conjunction	6760 Feb 22 14:11 6760 Feb 22 14:11	3° 升 35'12 3° 升 35'12		conjunction minimum elong	6766 May 02 18:32 6766 May 02 18:30	14° 8 12'12	
minimum elong behind sun begin	6760 Feb 22 07:11	3° ∺ 33′07	0 03 02	max. Earth dist.	6766 May 02 18.30		1 30 41 10.82350 AU
behind sun begin	6760 Feb 22 21:12	3° ∺ 37'17		max. Earm dist.	6766 May 09 08:55	14 8 12 36	10.82330 AU
max. Earth dist.	6760 Feb 22 13:21		10.82275 AU	morning rise	6766 May 19 13:45	16° 8 13'08	
morning rise	6760 Mar 10 09:37	5° ∺ 36′07	10.02273710	retrograde	6766 Aug 31 05:34	23° 8 37'35	
desc. node	6760 Apr 05 11:29	8° \(\) 30'53		opposition	6766 Nov 09 18:07	20° 8 15'42	-2°28'01
retrograde	6760 Jun 18 23:27	12°) 47'01		min. Earth dist.	6766 Nov 09 15:41	_	8.80106 AU
opposition	6760 Aug 27 12:59	9°) €28'00	-0°12'04	direct	6767 Jan 17 21:06	16° 8 56'37	
min. Earth dist.	6760 Aug 27 13:35	9°) €27'53	8.84286 AU	evening set	6767 Apr 28 03:41	24° 8 09'31	
direct	6760 Nov 06 03:01	6° ₩ 06'35		Ü	1	_	
evening set	6761 Feb 16 16:26	13°) 23′19		conjunction	6767 May 14 21:57	26° 8 10'42	-2°03'11
				minimum elong	6767 May 14 21:56	26° 8 10'42	2°03'14
conjunction	6761 Mar 05 12:06	15°) 23′54	-0°22'42	max. Earth dist.	6767 May 15 01:12	26° 8 11'41	10.77247 AU
minimum elong	6761 Mar 05 12:05	15° ∺ 23'54	0°22'41	morning rise	6767 May 31 19:05	28° 8 12'47	
max. Earth dist.	6761 Mar 05 11:16		10.85974 AU		6767 Jun 16 06:01	Π $^{\circ}0$	
morning rise	6761 Mar 22 06:32	17°) €24'07		retrograde	6767 Sep 13 00:42	5° ∏ 42'22	
retrograde	6761 Jul 01 04:10	24°) 34'41		opposition	6767 Nov 22 11:03	2° ∏ 19'33	
opposition	6761 Sep 09 01:53	21° ∺ 15'36		min. Earth dist.	6767 Nov 22 07:58	2°∏20′08	8.74366 AU
min. Earth dist.	6761 Sep 09 02:01		8.87312 AU		6767 Dec 26 08:30	30°R ∀	
direct	6761 Nov 18 13:23	17° ¥ 55′02		direct	6768 Jan 30 06:04	29° 8 00'09	
evening set	6762 Feb 28 13:52	25° ₩ 08'35			6768 Mar 04 09:18	0° Π	
conjunction	6762 Mar 17 08:01	27° ₩ 08'28	0°47'13	evening set	6768 May 09 09:53	6° Ⅱ 15'57	
minimum elong	6762 Mar 17 08:01	27°\(\)\(\)\(\)\(\)\(\)\(\)\(\)\(\)\(\)\(\		conjunction	6768 May 26 06:27	8° Ⅱ 18'31	-2°04'21
max. Earth dist.	6762 Mar 17 07:39		10.88264 AU	minimum elong	6768 May 26 06:27	8° Ⅱ 18'31	
morning rise	6762 Apr 03 01:40	29° H 08'13	10.00204 AC	max. Earth dist.	6768 May 26 10:03		10.70929 AU
morning rise	6762 Apr 10 12:01	0°Υ		morning rise	6768 Jun 12 06:18	10° Ⅱ 22'07	10.70,2,710
retrograde	6762 Jul 13 09:29	6° Ƴ 19'37		retrograde	6768 Sep 25 01:51	17° Ⅲ 57'14	
opposition	6762 Sep 21 13:44	3° Ƴ 00'17	-1°11'58	opposition	6768 Dec 04 06:32	14° Ⅲ 33'26	-2°31'04
min. Earth dist.	6762 Sep 21 12:40	3° Y ′00′29	8.88883 AU	min. Earth dist.	6768 Dec 04 03:14	14° ∏ 34′04	
	6762 Nov 10 20:37	30° ₹		direct	6769 Feb 10 16:11	11° Ⅱ 13′29	
direct	6762 Nov 30 22:26	29°) 40′24		evening set	6769 May 21 21:15	18° Ⅱ 33'03	
	6762 Dec 20 17:54	$0^{\circ}\mathbf{\Upsilon}$					
evening set	6763 Mar 12 09:58	6° Ƴ 51'47		conjunction	6769 Jun 07 20:49	20° Ⅲ 37′20	-1°59'51
				minimum elong	6769 Jun 07 20:51	20° Ⅲ 37′21	
conjunction	6763 Mar 29 03:03	8° Ƴ 51'17		max. Earth dist.	6769 Jun 07 23:53		10.63731 AU
minimum elong	6763 Mar 29 03:01	8° Y 51'16		morning rise	6769 Jun 25 00:14	22° Ⅱ 42'48	
max. Earth dist.	6763 Mar 29 04:39		10.89051 AU		6769 Sep 16 14:44	0ಂ ತಾ	
morning rise	6763 Apr 14 20:09	10° Y 50'49		retrograde	6769 Oct 08 07:05	0°523'29	
retrograde	6763 Jul 25 17:59	18° Y 04'09	102717.4	*.*	6769 Oct 29 23:29	30°RⅡ	202211
opposition	6763 Oct 04 01:36	14° Y 44'24		opposition	6769 Dec 17 04:59	26° ∏ 58'44	
min. Earth dist.	6763 Oct 03 23:22	14~ Y -44'49	8.88935 AU	min. Earth dist.	6769 Dec 17 02:10	26° Щ 59'16	8.60028 AU

direct	6770 Feb 23 04:39	23° II 38'00		opposition	6776 Mar 05 09:21	15° m 39'18	0°28'12
direct	6770 May 25 22:31	0° 9		min. Earth dist.	6776 Mar 05 09:00	15° m) 39'22	8.21767 AU
evening set	6770 Jun 03 14:37	1°902'04		direct	6776 May 11 11:40	12° m) 12'24	6.21707 AC
evening set	0770 Jun 05 14.57	1 302 04		evening set	6776 Aug 22 21:45	20° Mp 08'26	
conjunction	6770 Jun 20 17:50	3°508'19	-1°49'39	evening sec	0770114g 22 21:10	20 10020	
minimum elong	6770 Jun 20 17:52	3°508'20	1°49'42	conjunction	6776 Sep 09 21:25	22° m 25'11	0°36'53
max. Earth dist.	6770 Jun 20 20:19		10.56032 AU	minimum elong	6776 Sep 09 21:23	22° m 25'11	0°36'52
morning rise	6770 Jul 08 01:16	5°915'50	10.0002110	max. Earth dist.	6776 Sep 09 20:51	22° m 25'00	
retrograde	6770 Oct 21 14:31	13°901'57		morning rise	6776 Sep 27 22:14	24° m 42'17	
opposition	6770 Dec 30 06:28	9° © 36'15	-2°06'21	. 8	6776 Nov 14 18:31	0∘ <u>⊽</u>	
min. Earth dist.	6770 Dec 30 04:13	9° 5 36'41	8.52195 AU	retrograde	6777 Jan 10 16:28	2° £ 44'42	
direct	6771 Mar 07 23:49	6° © 14'35		S	6777 Mar 10 04:59	30°R ₩	
evening set	6771 Jun 16 14:31	13° © 43'42		opposition	6777 Mar 19 01:45	29° m 16'56	1°03'03
C				min. Earth dist.	6777 Mar 19 02:11	29° m 16'51	8.19699 AU
conjunction	6771 Jul 03 21:58	15° 9 52'07	-1°33'59	direct	6777 May 25 07:45	25° m 49'15	
minimum elong	6771 Jul 03 22:01	15° © 52'08	1°34'03		6777 Aug 04 16:14	$0 \circ \overline{\mathbf{v}}$	
max. Earth dist.	6771 Jul 04 00:37		10.48229 AU	evening set	6777 Sep 06 10:04	3° £ 49'11	
morning rise	6771 Jul 21 09:38	18°901'47		3			
retrograde	6771 Nov 04 03:29	25°952'55		conjunction	6777 Sep 24 10:05	6° £ 06'12	1°03'45
opposition	6772 Jan 12 11:05	22°526'21	-1°43'58	minimum elong	6777 Sep 24 10:02	6° £ 06'11	1°03'45
min. Earth dist.	6772 Jan 12 08:55		8.44455 AU	max. Earth dist.	6777 Sep 24 08:50		10.19296 AU
direct	6772 Mar 19 22:32	19°503'39		morning rise	6777 Oct 12 10:08	8° £ 23'16	
evening set	6772 Jun 28 21:30	26°538'12		retrograde	6778 Jan 24 14:29	16° £ 24'16	
evening sec	07720411 20 21.50	20 23012		opposition	6778 Apr 01 18:58	12° £ 56'59	1°34'25
conjunction	6772 Jul 16 09:26	28°548'48	-1°13'21	min. Earth dist.	6778 Apr 01 19:38	12° £ 56'51	8.19445 AU
minimum elong	6772 Jul 16 09:28	28°548'49		direct	6778 Jun 08 07:22	9° £ 28'47	
max. Earth dist.	6772 Jul 16 12:35		10.40709 AU	evening set	6778 Sep 20 23:40	17° ≏ 31'18	
	6772 Jul 25 21:03	0° N		7 · · · · · · · · · · · · · · · · · · ·			
morning rise	6772 Aug 03 01:11	1° Ω 00′38		conjunction	6778 Oct 08 22:56	19° £ 48'02	1°27'01
retrograde	6772 Nov 16 21:23	8° Ω 56'06		minimum elong	6778 Oct 08 22:53	19° ≏ 48'01	1°27'03
opposition	6773 Jan 24 18:43	5° Ω 28'50	-1°15'52	max. Earth dist.	6778 Oct 08 21:27	19° ≏ 47'33	10.19928 AU
min. Earth dist.	6773 Jan 24 16:17	5° Ω 29'19		morning rise	6778 Oct 26 21:04	22° £ 04'27	
direct	6773 Apr 02 00:36	2° Ω 05'03			6779 Jan 31 08:55	0°M	
evening set	6773 Jul 12 11:54	9° Ω 45'15		retrograde	6779 Feb 07 11:12	0°M02'49	
		, 0010 10			6779 Feb 14 14:27	30° ₽ Ω	
conjunction	6773 Jul 30 03:58	11° Ω 57'57	-0°48'39	opposition	6779 Apr 15 12:07	26° £ 36'15	2°00'24
minimum elong	6773 Jul 30 04:00	11° Ω 57'57		min. Earth dist.	6779 Apr 15 12:47	26° £ 36'07	8.21023 AU
max. Earth dist.	6773 Jul 30 06:56		10.33838 AU	direct	6779 Jun 22 07:12	23° ჲ 07'47	
morning rise	6773 Aug 16 23:21	14° Ω 11'43			6779 Sep 25 20:33	0°M	
3	6773 Aug 23 13:30	15° Ω		evening set	6779 Oct 05 12:49	1°M11'24	
retrograde	6773 Nov 30 17:51	22°Ω10'38		<i>3</i>			
opposition	6774 Feb 07 05:07	18° Ω 42'53	-0°43'19	conjunction	6779 Oct 23 10:23	3°M27'20	1°45'20
min. Earth dist.	6774 Feb 07 02:51	18° Ω 43'20		minimum elong	6779 Oct 23 10:20	3°M27'19	
direct	6774 Apr 15 08:00	15° Ω 17'59		max. Earth dist.	6779 Oct 23 08:45	3°M26'49	10.22366 AU
evening set	6774 Jul 26 09:17	23° £ 03′52		morning rise	6779 Nov 10 05:46	5°M42'39	
8				retrograde	6780 Feb 21 05:50	13°M37'08	
conjunction	6774 Aug 13 04:51	25° Ω 18'22	-0°21'02	opposition	6780 Apr 28 04:19	10°M11'29	2°19'27
minimum elong	6774 Aug 13 04:52	25° Ω 18′22		min. Earth dist.	6780 Apr 28 05:26	10°M11'15	8.24346 AU
max. Earth dist.	6774 Aug 13 06:58		10.27980 AU	direct	6780 Jul 05 06:54	6°M43'01	
morning rise	6774 Aug 31 03:09	27° Ω 33'45		evening set	6780 Oct 18 23:15	14°M46'10	
	6774 Sep 20 12:23	0°m)			6780 Oct 20 19:40	15°M	
retrograde	6774 Dec 14 16:23	5° m/ 35'05					
opposition	6775 Feb 20 18:12	2° m) 07'04	-0°07'58	conjunction	6780 Nov 05 18:21	17°M00'52	1°57'40
min. Earth dist.	6775 Feb 20 16:39		8.25524 AU	minimum elong	6780 Nov 05 18:20	17°M00'52	
min. Eurin Gibt.	6775 Mar 20 23:36	30°R Ω	0.2002 1110	max. Earth dist.	6780 Nov 05 16:09		10.26476 AU
direct	6775 Apr 28 19:46	28° Ω 41'07		morning rise	6780 Nov 23 10:30	19° M .14'43	10.201,0110
asc. node	6775 May 15 01:28	28° Ω 55'39		retrograde	6781 Mar 05 20:41	27°M04'20	
	6775 Jun 06 04:35	0° m)		opposition	6781 May 11 19:08	23°M39'46	2°30'38
evening set	6775 Aug 09 12:52	6° Mp 32'22		min. Earth dist.	6781 May 11 21:04	23°M39'22	8.29226 AU
		J J L L L		direct	6781 Jul 19 06:33	20°M11'33	5.2,220,110
conjunction	6775 Aug 27 11:01	8° m) 48'15	0°08'05	evening set	6781 Nov 02 04:47	28°M12'34	
minimum elong	6775 Aug 27 11:01	8° Mp 48'15	0°08'04	5.5g 500	6781 Nov 16 11:34	0°×7	
behind sun begin	6775 Aug 27 04:32	8° Mp 46'13	0 00 01		5,011.07 10 11.5T	V P	
behind sun end	6775 Aug 27 04:32	8° Mp 50'17		conjunction	6781 Nov 19 21:00	0° ∡ ¹25'44	2°03'27
max. Earth dist.	6775 Aug 27 11:42	-	10.23452 AU	minimum elong	6781 Nov 19 21:00 6781 Nov 19 20:59	0° ₹ 25'44	
morning rise	6775 Sep 14 11:15	11°M)04'47	10.23732 AU	max. Earth dist.	6781 Nov 19 20:39 6781 Nov 19 18:03		10.32027 AU
retrograde	6775 Dec 28 16:28	11 110447 19° MD 07'19		morning rise	6781 Dec 07 09:49	2°×737'54	10.32021 AU
. carogrado	5775 Dec 20 10.20	1/ 11/U/119		morning rise	5701 DCC 07 07.79	~ ^ J/J+	

	(792 M 10 05-25	100.701157			(700 I 01 14.52	25° ≈ 49'44	
retrograde	6782 Mar 19 05:25	10° ₹ 21'57	2022121	retrograde	6788 Jun 01 14:52		0022127
opposition	6782 May 25 07:42	6° ₹ 58'30	2°33'31	opposition	6788 Aug 09 16:34	22°≈30'53	0°33'36
min. Earth dist.	6782 May 25 10:18	6° ∡ 757'59	8.35388 AU	min. Earth dist.	6788 Aug 09 19:07	22°≈30'24	8.77864 AU
direct	6782 Aug 02 05:34	3° ∡ ³30'47		direct	6788 Oct 19 06:03	19° ≈ 08'28	
evening set	6782 Nov 16 04:13	11° ≯ 28′10		evening set	6789 Jan 30 16:52	26°≈31'56	
conjunction	6782 Dec 03 17:28	13° ∡ ³39'38	2°02'36	conjunction	6789 Feb 16 15:17	28° ≈ 34'00	0°14'24
minimum elong	6782 Dec 03 17:28	13° ∡ ³39'39	2°02'41	minimum elong	6789 Feb 16 15:18	28°≈34'00	0°14'26
max. Earth dist.	6782 Dec 03 13:50	13° ₹ 38'30	10.38711 AU	behind sun begin	6789 Feb 16 12:01	28°≈33'01	
morning rise	6782 Dec 21 03:05	15° ₹ ′50′00		behind sun end	6789 Feb 16 18:35	28° ≈ 34'59	
retrograde	6783 Apr 01 09:39	23° × ⁷ 28'03		max. Earth dist.	6789 Feb 16 12:18		10.80269 AU
opposition	6783 Jun 07 17:16	20° × 105'42	2°28'18		6789 Feb 28 12:31	0°) €	
min. Earth dist.	6783 Jun 07 20:02	20° × ⁷ 05'09	8.42488 AU	morning rise	6789 Mar 05 11:29	0°) 35′24	
direct	6783 Aug 16 01:03	16° ₹ 38'40	0.12100110	retrograde	6789 Jun 13 23:01	7°) 47′20	
evening set	6783 Nov 29 20:26	24° × ⁷ 31'12		opposition	6789 Aug 22 08:11	4°)(28'36	0°01'56
evening set	0703 1101 27 20.20	24 × 31 12		min. Earth dist.	6789 Aug 22 09:44	4°)(28'18	8.82342 AU
conjunction	6783 Dec 17 06:50	26° ∡ ¹40'54	1°55'26	desc. node	6789 Sep 14 07:24	2°) (49'32	0.02542 710
·	6783 Dec 17 06:52	26° 🗷 40'54	1°55'31	direct	6789 Oct 31 23:05	1° H 07'02	
minimum elong max. Earth dist.	6783 Dec 17 06:32 6783 Dec 17 03:05		1 33 31 10.46155 AU		6790 Feb 11 18:50	8° ∺ 26'07	
	6784 Jan 03 13:27	28° * 49'25	10.40133 AU	evening set	0/90 Feb 11 18.30	8 X2007	
morning rise		28 メ ・4923		:	(700 E-L 20 15.21	10°) 27'14	0011120
	6784 Jan 13 07:56			conjunction	6790 Feb 28 15:31	10 K 27 14 10° H 27'14	
retrograde	6784 Apr 13 09:36	6° る 21'26	201.512.0	minimum elong	6790 Feb 28 15:30		0-11-27
opposition	6784 Jun 19 23:43	3°る00'05	2°15'38	behind sun begin	6790 Feb 28 10:23	10°) € 25'42	
min. Earth dist.	6784 Jun 20 01:54	2°る59'39	8.50131 AU	behind sun end	6790 Feb 28 20:38	10°) €28'46	10.04004 444
	6784 Aug 05 21:31	30°R√		max. Earth dist.	6790 Feb 28 13:50		10.84084 AU
direct	6784 Aug 28 16:27	29° ∡ ³33'54		morning rise	6790 Mar 17 10:23	12°) € 27'52	
	6784 Sep 20 08:22	0°る		retrograde	6790 Jun 26 05:30	19°) ₹39'06	
evening set	6784 Dec 12 04:50	7° る 20'40		opposition	6790 Sep 03 22:13	16° ∺ 20'13	
		_		min. Earth dist.	6790 Sep 03 22:50		8.85468 AU
conjunction	6784 Dec 29 12:36	9° පි 28'36	1°42'37	direct	6790 Nov 13 10:43	12° 米 59′23	
minimum elong	6784 Dec 29 12:38	9° ප 28'36	1°42'40	evening set	6791 Feb 23 18:00	20°) 14′59	
max. Earth dist.	6784 Dec 29 09:42		10.53949 AU				
morning rise	6785 Jan 15 16:24	11° る 35'21		conjunction	6791 Mar 12 12:59	22° ∺ 15′20	
retrograde	6785 Apr 26 04:34	19° る 01'37		minimum elong	6791 Mar 12 12:57	22° ∺ 15′20	
opposition	6785 Jul 03 02:46	15° ⋜ 41′08	1°56'33	max. Earth dist.	6791 Mar 12 12:05		10.86484 AU
min. Earth dist.	6785 Jul 03 04:34	15° る 40'47	8.57908 AU	morning rise	6791 Mar 29 06:51	24° 升 15′25	
direct	6785 Sep 11 03:26	12° る 15'53			6791 May 27 06:49	0 ° $\mathbf{\gamma}$	
evening set	6785 Dec 25 05:38	19° る 56'25		retrograde	6791 Jul 08 11:26	1° Y 27'04	
					6791 Aug 20 21:29	30° ₹ ₩	
conjunction	6786 Jan 11 10:53	22° る 02'39	1°25'01	opposition	6791 Sep 16 11:14	28° ₩ 07'51	-0°59'35
minimum elong	6786 Jan 11 10:55	22° る 02'40	1°25'04	min. Earth dist.	6791 Sep 16 11:45	28°) €07'45	8.87157 AU
max. Earth dist.	6786 Jan 11 08:32	22° පි 01'56	10.61668 AU	direct	6791 Nov 25 20:34	24°) (47′34	
morning rise	6786 Jan 28 12:14	24° පි 07'46			6792 Feb 17 22:58	0 ° $\mathbf{\Upsilon}$	
	6786 Mar 28 05:28	0° ≈		evening set	6792 Mar 06 15:18	2° Y 00′38	
retrograde	6786 May 08 20:22	1° ≈ 28'51					
	6786 Jun 20 13:36	30°₽₹		conjunction	6792 Mar 23 08:49	4° Ƴ 00'29	-1°00'10
opposition	6786 Jul 16 02:18	28° පි 09'06	1°32'16	minimum elong	6792 Mar 23 08:47	4° Ƴ 00′28	1°00'10
min. Earth dist.	6786 Jul 16 04:23	28° පි 08'42	8.65395 AU	max. Earth dist.	6792 Mar 23 07:58	4° Ƴ 00′13	10.87417 AU
direct	6786 Sep 24 08:43	24° る 44'47		morning rise	6792 Apr 09 02:13	6° Ƴ 00′17	
	6786 Dec 17 19:56	0° ≈		retrograde	6792 Jul 19 18:39	13° Ƴ 13′28	
evening set	6787 Jan 06 23:19	2° ≈ 19′07		opposition	6792 Sep 27 23:54	9° Ƴ 53'42	-1°27'03
				min. Earth dist.	6792 Sep 28 00:04	9° Ƴ 53'40	8.87376 AU
conjunction	6787 Jan 24 02:07	4° ≈ 23'48	1°03'43	direct	6792 Dec 07 04:22	6° Ƴ 33'47	
minimum elong	6787 Jan 24 02:09	4° ≈ 23'48	1°03'45	evening set	6793 Mar 18 11:40	13° Ƴ 45′18	
max. Earth dist.	6787 Jan 23 23:24	4° ≈ 22'58	10.68870 AU				
morning rise	6787 Feb 10 01:29	6° ≈ 27'27		conjunction	6793 Apr 04 04:16	15° Ƴ 44'56	-1°21'09
retrograde	6787 May 21 07:31	13° ≈ 44'16		minimum elong	6793 Apr 04 04:14	15° Ƴ 44'56	1°21'11
opposition	6787 Jul 28 22:48	10° ≈ 25′04	1°04'10	max. Earth dist.	6793 Apr 04 04:13	15° Ƴ 44'55	10.86864 AU
min. Earth dist.	6787 Jul 29 01:35	10° ≈ 24'32	8.72157 AU	morning rise	6793 Apr 20 21:35	17° Ƴ 44'47	
direct	6787 Oct 07 08:59	7° ≈ 01'43		retrograde	6793 Aug 01 01:49	25° Y 00′32	
evening set	6788 Jan 19 10:43	14° ≈ 30'16		opposition	6793 Oct 10 12:34	21° Υ 40'02	-1°50'54
Z .	6788 Jan 23 14:13	15° ≈		min. Earth dist.	6793 Oct 10 11:44	21° Υ 40'11	8.86117 AU
				direct	6793 Dec 19 11:23	18° Y 20′20	
conjunction	6788 Feb 05 11:10	16° ≈ 33'32	0°39'48	evening set	6794 Mar 30 08:32	25° Υ 31'22	
minimum elong	6788 Feb 05 11:12	16° ≈ 33'32		Č		_	
max. Earth dist.	6788 Feb 05 07:38		10.75151 AU	conjunction	6794 Apr 16 00:52	27° Ƴ 31'07	-1°38'47
morning rise	6788 Feb 22 08:51	18° ≈ 35'58	-	minimum elong	6794 Apr 16 00:50	27° Υ 31'07	
5		20			r	/	-

max. Earth dist. morning rise	6794 Apr 16 02:31 6794 May 02 18:26 6794 May 06 20:28	27° Y 31'37 29° Y 31'17 0° 8	10.84845 AU	minimum elong max. Earth dist. morning rise	6800 Jun 27 16:43 6800 Jun 27 21:35 6800 Jul 15 02:28	10°544'07 10°545'38 12°553'03	1°41'18 10.50059 AU
retrograde	6794 Aug 13 13:30	6° 8 50'32		retrograde	6800 Oct 28 20:16	20°5542'49	
opposition	6794 Oct 23 01:45	3° 8 29'12		opposition	6801 Jan 06 06:23	17° © 16'18	
min. Earth dist.	6794 Oct 22 23:32		8.83420 AU	min. Earth dist.	6801 Jan 06 02:15	17°517'06	8.46500 AU
direct	6794 Dec 31 18:12	0° 8 09'35		direct	6801 Mar 14 19:05	13°953'52	
evening set	6795 Apr 11 06:59	7° 8 21'09		evening set	6801 Jun 23 15:32	21° © 26'40	
conjunction	6795 Apr 27 23:37	9° 8 21'22	-1°52'18	conjunction	6801 Jul 11 01:32	23°536'30	-1°22'33
minimum elong	6795 Apr 27 23:35	9° 8 21'21	1°52'20	minimum elong	6801 Jul 11 01:34	23° © 36'31	1°22'37
max. Earth dist.	6795 Apr 28 02:16	9° 8 22'10	10.81437 AU	max. Earth dist.	6801 Jul 11 05:33	23° © 37'45	10.42898 AU
morning rise	6795 May 14 18:07	11° 8 22'12		morning rise	6801 Jul 28 15:38	25° © 47'35	
	6795 Jun 16 20:23	15° 8			6801 Sep 04 01:21	$0^{\circ}\Omega$	
retrograde	6795 Aug 26 05:05	18° 8 45'43		retrograde	6801 Nov 11 13:00	3° Ω 41'51	
opposition	6795 Nov 04 16:33	15° 8 23'30		opposition	6802 Jan 19 13:26	0° Ω 14'49	
min. Earth dist.	6795 Nov 04 13:43 6795 Nov 09 21:08		8.79388 AU	min. Earth dist.	6802 Jan 19 10:08 6802 Jan 22 16:02		8.39521 AU
direct	6796 Jan 12 23:12	15°R と 12° と 03'49		direct	6802 Jan 22 16:02 6802 Mar 27 19:46	30° ₹© 26° © 51'31	
direct	6796 Mar 13 09:16	15° 8		direct	6802 May 27 20:13	20 3 3131	
evening set	6796 Apr 22 08:00	19° 8 16'53		evening set	6802 Jul 07 03:19	4° Ω 29'49	
conjunction	6796 May 09 01:36	21° 8 17'55		conjunction	6802 Jul 24 17:30	6° Ω 41'43	
minimum elong	6796 May 09 01:34	21° 8 17'55	2°01'06 10.76779 AU	minimum elong	6802 Jul 24 17:32	6° Ω 41'43	0°59′26 10.36263 AU
max. Earth dist.	6796 May 09 04:21 6796 May 25 21:55	21° 6 18'45 23° 6 19'47	10.76779 AU	max. Earth dist.	6802 Jul 24 21:02	6°8 1 42′49 8° Ω 54'48	10.36263 AU
morning rise	6796 May 25 21:55 6796 Aug 06 14:24	0° Ⅱ		morning rise	6802 Aug 11 11:34 6802 Oct 08 22:15	8°8€3448 15° Ω	
retrograde	6796 Sep 06 22:08	0° П 48'12		retrograde	6802 Nov 25 07:56	16° Ω 52'48	
retrograde	6796 Oct 08 15:35	30°R 8		retrograde	6803 Jan 12 12:01	15°RΩ	
opposition	6796 Nov 16 09:16	27° 8 25'03	-2°31'47	opposition	6803 Feb 01 23:27	13° Ω 25'24	-0°57'19
min. Earth dist.	6796 Nov 16 06:27	27° 8 25'36	8.74179 AU	min. Earth dist.	6803 Feb 01 20:42	13° Ω 25'57	8.33259 AU
direct	6797 Jan 24 07:07	24° 8 05'05		direct	6803 Apr 10 02:45	10° Ω 01′13	
	6797 Apr 23 01:17	$\Pi^{\circ}0$			6803 Jun 27 16:40	15° Ω	
evening set	6797 May 04 12:49	1° Ⅱ 20′39		evening set	6803 Jul 20 22:18	17° Ω 45'03	
conjunction	6797 May 21 08:17	3° Ⅲ 22'53	-2°04'35	conjunction	6803 Aug 07 16:22	19° Ω 58'50	-0°32'46
minimum elong	6797 May 21 08:17	3° Ⅱ 22'53	2°04'37	minimum elong	6803 Aug 07 16:24	19° Ω 58'51	0°32'49
max. Earth dist.	6797 May 21 11:07	3° Ⅲ 23'44	10.71053 AU	max. Earth dist.	6803 Aug 07 19:43	19° Ω 59'54	10.30509 AU
morning rise	6797 Jun 07 07:10	5° Ⅱ 26′07		morning rise	6803 Aug 25 13:41	22° Ω 13'38	
retrograde							
•	6797 Sep 19 20:14	12° Ⅱ 59'49			6803 Nov 22 20:21	0° m	
opposition	6797 Nov 29 04:07	9° Ⅱ 35'45		retrograde	6803 Dec 09 05:31	0° m 14′20	
min. Earth dist.	6797 Nov 29 04:07 6797 Nov 29 01:19	9° П 35'45 9° П 36'17			6803 Dec 09 05:31 6803 Dec 25 16:52	0° Mp 14′20 30° RΩ	0000150
min. Earth dist. direct	6797 Nov 29 04:07 6797 Nov 29 01:19 6798 Feb 05 17:45	9°Д35'45 9°Д36'17 6°Д15'20		opposition	6803 Dec 09 05:31 6803 Dec 25 16:52 6804 Feb 15 11:56	0° M 14'20 30° R Ω 26° Ω 46'46	
min. Earth dist.	6797 Nov 29 04:07 6797 Nov 29 01:19	9° П 35'45 9° П 36'17		opposition min. Earth dist.	6803 Dec 09 05:31 6803 Dec 25 16:52 6804 Feb 15 11:56 6804 Feb 15 09:30	0° M 14'20 30° R Ω 26° Ω 46'46 26° Ω 47'15	-0°22'52 8.28052 AU
min. Earth dist. direct evening set	6797 Nov 29 04:07 6797 Nov 29 01:19 6798 Feb 05 17:45 6798 May 16 22:18	9°Д35'45 9°Д36'17 6°Д15'20 13°Д34'13	8.67999 AU	opposition	6803 Dec 09 05:31 6803 Dec 25 16:52 6804 Feb 15 11:56 6804 Feb 15 09:30 6804 Apr 22 13:42	0° M 14'20 30°RN 26°N 46'46 26°N 47'15 23°N 21'40	
min. Earth dist. direct evening set	6797 Nov 29 04:07 6797 Nov 29 01:19 6798 Feb 05 17:45	9°Д35'45 9°Д36'17 6°Д15'20	8.67999 AU -2°02'30	opposition min. Earth dist. direct	6803 Dec 09 05:31 6803 Dec 25 16:52 6804 Feb 15 11:56 6804 Feb 15 09:30 6804 Apr 22 13:42 6804 Jul 24 08:38	0° M 14'20 30°R N 26°N 46'46 26°N 47'15 23°N 21'40 0° M	
min. Earth dist. direct evening set	6797 Nov 29 04:07 6797 Nov 29 01:19 6798 Feb 05 17:45 6798 May 16 22:18 6798 Jun 02 20:35	9°П35'45 9°П36'17 6°П15'20 13°П34'13 15°П38'01 15°П38'01	8.67999 AU -2°02'30	opposition min. Earth dist.	6803 Dec 09 05:31 6803 Dec 25 16:52 6804 Feb 15 11:56 6804 Feb 15 09:30 6804 Apr 22 13:42	0° M 14'20 30°RN 26°N 46'46 26°N 47'15 23°N 21'40	
min. Earth dist. direct evening set conjunction minimum elong	6797 Nov 29 04:07 6797 Nov 29 01:19 6798 Feb 05 17:45 6798 May 16 22:18 6798 Jun 02 20:35 6798 Jun 02 20:36	9°П35'45 9°П36'17 6°П15'20 13°П34'13 15°П38'01 15°П38'01	8.67999 AU -2°02'30 2°02'33	opposition min. Earth dist. direct	6803 Dec 09 05:31 6803 Dec 25 16:52 6804 Feb 15 11:56 6804 Feb 15 09:30 6804 Apr 22 13:42 6804 Jul 24 08:38	0° M 14'20 30°R N 26°N 46'46 26°N 47'15 23°N 21'40 0° M	8.28052 AU
min. Earth dist. direct evening set conjunction minimum elong max. Earth dist.	6797 Nov 29 04:07 6797 Nov 29 01:19 6798 Feb 05 17:45 6798 May 16 22:18 6798 Jun 02 20:35 6798 Jun 02 20:36 6798 Jun 03 00:27	9°П35'45 9°П36'17 6°П15'20 13°П34'13 15°П38'01 15°П38'01 15°П39'12	8.67999 AU -2°02'30 2°02'33	opposition min. Earth dist. direct evening set	6803 Dec 09 05:31 6803 Dec 25 16:52 6804 Feb 15 11:56 6804 Feb 15 09:30 6804 Apr 22 13:42 6804 Jul 24 08:38 6804 Aug 02 23:57	0° m 14'20 30° R N 26° N 46'46 26° N 47'15 23° N 21'40 0° m 1° m 10'49	8.28052 AU
min. Earth dist. direct evening set conjunction minimum elong max. Earth dist. morning rise retrograde opposition	6797 Nov 29 04:07 6797 Nov 29 01:19 6798 Feb 05 17:45 6798 May 16 22:18 6798 Jun 02 20:35 6798 Jun 02 20:36 6798 Jun 03 00:27 6798 Jun 19 22:34	9°П35'45 9°П36'17 6°П15'20 13°П34'13 15°П38'01 15°П39'12 17°П42'56 25°П22'08 21°П57'09	8.67999 AU -2°02'30 2°02'33 10.64490 AU -2°26'55	opposition min. Earth dist. direct evening set conjunction minimum elong behind sun begin	6803 Dec 09 05:31 6803 Dec 25 16:52 6804 Feb 15 11:56 6804 Feb 15 09:30 6804 Apr 22 13:42 6804 Jul 24 08:38 6804 Aug 02 23:57 6804 Aug 20 21:09 6804 Aug 20 21:10 6804 Aug 20 14:00	0° m 14'20 30°R N 26° N 46'46 26° N 47'15 23° N 21'40 0° m 1° m 10'49 3° m 26'08	8.28052 AU -0°04'09
min. Earth dist. direct evening set conjunction minimum elong max. Earth dist. morning rise retrograde opposition min. Earth dist.	6797 Nov 29 04:07 6797 Nov 29 01:19 6798 Feb 05 17:45 6798 May 16 22:18 6798 Jun 02 20:35 6798 Jun 02 20:36 6798 Jun 03 00:27 6798 Jun 19 22:34 6798 Oct 02 23:26 6798 Dec 12 01:49 6798 Dec 11 22:15	9° II 35'45 9° II 36'17 6° II 15'20 13° II 34'13 15° II 38'01 15° II 38'01 15° II 39'12 17° II 42'56 25° II 22'08 21° II 57'50 21° II 57'50	8.67999 AU -2°02'30 2°02'33 10.64490 AU	opposition min. Earth dist. direct evening set conjunction minimum elong behind sun begin behind sun end	6803 Dec 09 05:31 6803 Dec 25 16:52 6804 Feb 15 11:56 6804 Feb 15 09:30 6804 Apr 22 13:42 6804 Jul 24 08:38 6804 Aug 02 23:57 6804 Aug 20 21:09 6804 Aug 20 21:10 6804 Aug 20 14:00 6804 Aug 21 04:21	0° m 14'20 30° R N 26° N 46'46 26° N 47'15 23° N 21'40 0° m 1° m 10'49 3° m 26'08 3° m 26'08 3° m 23'53 3° m 28'24	8.28052 AU -0°04'09 0°04'11
min. Earth dist. direct evening set conjunction minimum elong max. Earth dist. morning rise retrograde opposition min. Earth dist. direct	6797 Nov 29 04:07 6797 Nov 29 01:19 6798 Feb 05 17:45 6798 May 16 22:18 6798 Jun 02 20:35 6798 Jun 02 20:36 6798 Jun 03 00:27 6798 Jun 19 22:34 6798 Oct 02 23:26 6798 Dec 12 01:49 6798 Dec 11 22:15 6799 Feb 18 06:37	9°II 35'45 9°II 36'17 6°II 15'20 13°II 34'13 15°II 38'01 15°II 39'12 17°II 42'56 25°II 22'08 21°II 57'09 21°II 57'50 18°II 36'12	8.67999 AU -2°02'30 2°02'33 10.64490 AU -2°26'55	opposition min. Earth dist. direct evening set conjunction minimum elong behind sun begin behind sun end max. Earth dist.	6803 Dec 09 05:31 6803 Dec 25 16:52 6804 Feb 15 11:56 6804 Feb 15 09:30 6804 Apr 22 13:42 6804 Jul 24 08:38 6804 Aug 02 23:57 6804 Aug 20 21:10 6804 Aug 20 14:00 6804 Aug 21 04:21 6804 Aug 21 00:15	0° m 14'20 30°R L 26° N 46'46 26° N 47'15 23° N 21'40 0° m 1° m 10'49 3° m 26'08 3° m 23'53 3° m 28'24 3° m 27'04	8.28052 AU -0°04'09
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min. Earth dist. direct evening set conjunction minimum elong max. Earth dist. morning rise retrograde opposition min. Earth dist. direct evening set	6797 Nov 29 04:07 6797 Nov 29 01:19 6798 Feb 05 17:45 6798 May 16 22:18 6798 Jun 02 20:35 6798 Jun 02 20:36 6798 Jun 03 00:27 6798 Jun 19 22:34 6798 Oct 02 23:26 6798 Dec 12 01:49 6798 Dec 11 22:15 6799 Feb 18 06:37 6799 May 29 13:18	9°II 35'45 9°II 36'17 6°II 15'20 13°II 34'13 15°II 38'01 15°II 39'12 17°II 42'56 25°II 22'08 21°II 57'09 21°II 57'50 18°II 36'12 25°II 59'07	8.67999 AU -2°02'30 2°02'33 10.64490 AU -2°26'55 8.61107 AU	opposition min. Earth dist. direct evening set conjunction minimum elong behind sun begin behind sun end max. Earth dist. morning rise asc. node	6803 Dec 09 05:31 6803 Dec 25 16:52 6804 Feb 15 11:56 6804 Feb 15 09:30 6804 Apr 22 13:42 6804 Jul 24 08:38 6804 Aug 02 23:57 6804 Aug 20 21:09 6804 Aug 20 21:10 6804 Aug 20 14:00 6804 Aug 21 04:21 6804 Aug 21 00:15 6804 Sep 07 20:41 6804 Oct 12 23:01	0° m 14'20 30°R \(\Omega\) 26° \(\Omega\) 46'46 26° \(\Omega\) 47'15 23° \(\Omega\) 21'40 0° m 1° m 10'49 3° m 26'08 3° m 26'08 3° m 23'53 3° m 28'24 3° m 27'04 5° m 42'12 9° m 44'48	8.28052 AU -0°04'09 0°04'11
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min. Earth dist. direct evening set conjunction minimum elong max. Earth dist. morning rise retrograde opposition min. Earth dist. direct evening set conjunction minimum elong max. Earth dist. morning rise retrograde opposition min. Earth dist.	6797 Nov 29 04:07 6797 Nov 29 01:19 6798 Feb 05 17:45 6798 May 16 22:18 6798 Jun 02 20:35 6798 Jun 02 20:36 6798 Jun 03 00:27 6798 Jun 19 22:34 6798 Oct 02 23:26 6798 Dec 12 01:49 6798 Dec 11 22:15 6799 Feb 18 06:37 6799 May 29 13:18 6799 Jun 15 15:05 6799 Jun 15 15:05 6799 Jun 15 15:07 6799 Jun 15 19:55 6799 Jul 01 06:25 6799 Jul 02 20:44 6799 Oct 16 07:08 6799 Dec 25 02:36 6799 Dec 24 22:22 6800 Mar 01 23:21	9°II 35'45 9°II 36'17 6°II 15'20 13°II 34'13 15°II 38'01 15°II 38'01 15°II 39'12 17°II 42'56 25°II 22'08 21°II 57'09 21°II 57'50 18°II 36'12 25°II 59'07 28°II 04'45 28°II 04'46 28°II 06'14 0°S 0°S 11'36 7°S 56'16 4°S 30'26 4°S 31'16 1°S 08'48	8.67999 AU -2°02'30 2°02'33 10.64490 AU -2°26'55 8.61107 AU -1°54'40 1°54'44 10.57379 AU	opposition min. Earth dist. direct evening set conjunction minimum elong behind sun begin behind sun end max. Earth dist. morning rise asc. node retrograde opposition min. Earth dist. direct evening set conjunction minimum elong max. Earth dist.	6803 Dec 09 05:31 6803 Dec 25 16:52 6804 Feb 15 11:56 6804 Feb 15 09:30 6804 Apr 22 13:42 6804 Jul 24 08:38 6804 Aug 02 23:57 6804 Aug 20 21:09 6804 Aug 20 14:00 6804 Aug 20 14:00 6804 Aug 21 00:15 6804 Aug 21 00:15 6804 Sep 07 20:41 6804 Oct 12 23:01 6804 Dec 22 06:01 6805 Feb 28 02:34 6805 Feb 28 00:21 6805 May 06 04:01 6805 Sep 04 06:19 6805 Sep 04 06:18 6805 Sep 04 08:32	0° m 14'20 30°R \(\Omega\) 26° \(\Omega\) 46'46 26° \(\Omega\) 47'15 23° \(\Omega\) 21'40 0° m 1° m 10'49 3° m 26'08 3° m 26'08 3° m 23'53 3° m 28'24 3° m 27'04 5° m 42'12 9° m 44'48 13° m 44'23 10° m 16'49 10° m 17'16 6° m 50'52 14° m 44'48 17° m 01'08 17° m 01'08 17° m 01'50	8.28052 AU -0°04'09 0°04'11 10.25933 AU 0°13'14 8.24152 AU
min. Earth dist. direct evening set conjunction minimum elong max. Earth dist. morning rise retrograde opposition min. Earth dist. direct evening set conjunction minimum elong max. Earth dist. morning rise retrograde opposition min. Earth dist.	6797 Nov 29 04:07 6797 Nov 29 01:19 6798 Feb 05 17:45 6798 May 16 22:18 6798 Jun 02 20:35 6798 Jun 02 20:36 6798 Jun 03 00:27 6798 Jun 19 22:34 6798 Oct 02 23:26 6798 Dec 12 01:49 6798 Dec 11 22:15 6799 Feb 18 06:37 6799 May 29 13:18 6799 Jun 15 15:05 6799 Jun 15 15:07 6799 Jun 15 19:55 6799 Jul 01 06:25 6799 Jul 02 20:44 6799 Oct 16 07:08 6799 Dec 24 22:22	9°II 35'45 9°II 36'17 6°II 15'20 13°II 34'13 15°II 38'01 15°II 39'12 17°II 42'56 25°II 22'08 21°II 57'09 21°II 57'50 18°II 36'12 25°II 59'07 28°II 04'45 28°II 04'46 28°II 06'14 0°S 0°S 11'36 7°S 56'16 4°S 30'26 4°S 31'16	8.67999 AU -2°02'30 2°02'33 10.64490 AU -2°26'55 8.61107 AU -1°54'40 1°54'44 10.57379 AU	opposition min. Earth dist. direct evening set conjunction minimum elong behind sun begin behind sun end max. Earth dist. morning rise asc. node retrograde opposition min. Earth dist. direct evening set conjunction minimum elong max. Earth dist. morning rise	6803 Dec 09 05:31 6803 Dec 25 16:52 6804 Feb 15 11:56 6804 Feb 15 09:30 6804 Apr 22 13:42 6804 Jul 24 08:38 6804 Aug 02 23:57 6804 Aug 20 21:09 6804 Aug 20 14:00 6804 Aug 20 14:00 6804 Aug 21 04:21 6804 Aug 21 00:15 6804 Sep 07 20:41 6804 Oct 12 23:01 6804 Dec 22 06:01 6805 Feb 28 02:34 6805 Feb 28 00:21 6805 May 06 04:01 6805 Sep 04 06:19 6805 Sep 04 06:18 6805 Sep 04 06:18 6805 Sep 04 06:18	0° m 14'20 30°R \(\text{A} \) 26° \(\text{A} \) 46'46 26° \(\text{A} \) 47'15 23° \(\text{A} \) 21'40 0° m 1° m 10'49 3° m 26'08 3° m 26'08 3° m 26'08 3° m 22'53 3° m 22'24 3° m 27'04 5° m 42'12 9° m 44'48 13° m 44'23 10° m 16'49 10° m 17'16 6° m 50'52 14° m 44'48 17° m 01'08 17° m 01'08 17° m 01'08 17° m 01'56	8.28052 AU -0°04'09 0°04'11 10.25933 AU 0°13'14 8.24152 AU 0°25'04 0°25'03
min. Earth dist. direct evening set conjunction minimum elong max. Earth dist. morning rise retrograde opposition min. Earth dist. direct evening set conjunction minimum elong max. Earth dist. morning rise retrograde opposition min. Earth dist.	6797 Nov 29 04:07 6797 Nov 29 01:19 6798 Feb 05 17:45 6798 May 16 22:18 6798 Jun 02 20:35 6798 Jun 02 20:36 6798 Jun 03 00:27 6798 Jun 19 22:34 6798 Oct 02 23:26 6798 Dec 12 01:49 6798 Dec 11 22:15 6799 Feb 18 06:37 6799 May 29 13:18 6799 Jun 15 15:05 6799 Jun 15 15:05 6799 Jun 15 15:07 6799 Jun 15 19:55 6799 Jul 01 06:25 6799 Jul 02 20:44 6799 Oct 16 07:08 6799 Dec 25 02:36 6799 Dec 24 22:22 6800 Mar 01 23:21	9°II 35'45 9°II 36'17 6°II 15'20 13°II 34'13 15°II 38'01 15°II 38'01 15°II 39'12 17°II 42'56 25°II 22'08 21°II 57'09 21°II 57'50 18°II 36'12 25°II 59'07 28°II 04'45 28°II 04'46 28°II 06'14 0°S 0°S 11'36 7°S 56'16 4°S 30'26 4°S 31'16 1°S 08'48	8.67999 AU -2°02'30 2°02'33 10.64490 AU -2°26'55 8.61107 AU -1°54'40 1°54'44 10.57379 AU -2°13'56 8.53820 AU	opposition min. Earth dist. direct evening set conjunction minimum elong behind sun begin behind sun end max. Earth dist. morning rise asc. node retrograde opposition min. Earth dist. direct evening set conjunction minimum elong max. Earth dist.	6803 Dec 09 05:31 6803 Dec 25 16:52 6804 Feb 15 11:56 6804 Feb 15 09:30 6804 Apr 22 13:42 6804 Jul 24 08:38 6804 Aug 02 23:57 6804 Aug 20 21:09 6804 Aug 20 14:00 6804 Aug 20 14:00 6804 Aug 21 00:15 6804 Aug 21 00:15 6804 Sep 07 20:41 6804 Oct 12 23:01 6804 Dec 22 06:01 6805 Feb 28 02:34 6805 Feb 28 00:21 6805 May 06 04:01 6805 Sep 04 06:19 6805 Sep 04 06:18 6805 Sep 04 08:32	0° m 14'20 30°R \(\Omega\) 26° \(\Omega\) 46'46 26° \(\Omega\) 47'15 23° \(\Omega\) 21'40 0° m 1° m 10'49 3° m 26'08 3° m 26'08 3° m 23'53 3° m 28'24 3° m 27'04 5° m 42'12 9° m 44'48 13° m 44'23 10° m 16'49 10° m 17'16 6° m 50'52 14° m 44'48 17° m 01'08 17° m 01'08 17° m 01'50	8.28052 AU -0°04'09 0°04'11 10.25933 AU 0°13'14 8.24152 AU 0°25'04 0°25'03 10.22737 AU

retrograde	6818 Jun 09 03:28 6818 Aug 13 14:56	3°) 02'08 30°R≈		max. Earth dist.	6824 Apr 22 05:19 6824 May 08 21:09	4° 8 26'37 6° 8 26'08	10.85975 AU
opposition	6818 Aug 17 09:23	29°≈42'57	0°15'20	retrograde	6824 Aug 19 23:50	13° 8 46'21	
min. Earth dist.	6818 Aug 17 10:30	29° ≈ 42'44	8.80462 AU	opposition	6824 Oct 29 12:48	10° 8 25'15	-2°18'24
direct	6818 Oct 27 00:03	26° ≈ 20'39		min. Earth dist.	6824 Oct 29 10:22	10° 8 25'43	8.84382 AU
	6819 Jan 04 07:19	0°)		direct	6825 Jan 06 23:35	7° 8 06'20	
evening set	6819 Feb 07 01:55	3°) (40′58		evening set	6825 Apr 17 09:58	14° 8 17'21	
desc. node	6819 Feb 15 22:09	4°) (44′12			6825 Apr 23 09:22	15° 8	
. ,.	(010 E 1 22 22 14	50)(42)22	000012.4	. ,.	6925 M 04 02 54	17001705	1057120
conjunction minimum elong	6819 Feb 23 23:14 6819 Feb 23 23:15	5°) (42'22 5°) (42'22		conjunction minimum elong	6825 May 04 02:54 6825 May 04 02:53	16° 8 17'35 16° 8 17'35	
behind sun begin	6819 Feb 23 16:14	5°) (4222	0 00 32	max. Earth dist.	6825 May 04 02:33	_	1 37 42 10.82187 AU
behind sun end	6819 Feb 24 06:16	5°) (44'28		morning rise	6825 May 20 22:12	18° 8 18'34	10.02107 AC
max. Earth dist.	6819 Feb 23 21:52		10.82767 AU	retrograde	6825 Sep 01 14:47	25° 8 43'19	
morning rise	6819 Mar 12 18:42	7°) (43'13	10.02707710	opposition	6825 Nov 11 03:35	22° 8 21'22	-2°28'50
retrograde	6819 Jun 21 07:56	14°) 53'52		min. Earth dist.	6825 Nov 11 00:23	_	8.79924 AU
opposition	6819 Aug 29 23:19	11°) 34'49	-0°16'17	direct	6826 Jan 19 06:48	19° 8 02'19	
min. Earth dist.	6819 Aug 30 00:06	11°) 34'40	8.84736 AU	evening set	6826 Apr 29 12:10	26° 8 15'17	
direct	6819 Nov 08 13:02	8°) 13′27			•		
evening set	6820 Feb 19 01:20	15°) €29'43		conjunction	6826 May 16 06:38	28° 8 16'33	-2°03'30
				minimum elong	6826 May 16 06:38	28° 8 16'33	2°03'33
conjunction	6820 Mar 06 20:50	17°) € 30′12		max. Earth dist.	6826 May 16 10:28	_	10.77050 AU
minimum elong	6820 Mar 06 20:50	17° ∺ 30'11			6826 May 30 13:09	Π °0	
max. Earth dist.	6820 Mar 06 20:04		10.86369 AU	morning rise	6826 Jun 02 03:55	0° Ⅱ 18'42	
morning rise	6820 Mar 23 15:12	19°) (30′19		retrograde	6826 Sep 14 11:48	7° Ⅱ 48'31	
retrograde	6820 Jul 02 12:55	26°) (40'48		opposition	6826 Nov 23 20:25	4° Ⅱ 25'40	
opposition	6820 Sep 10 11:52	23° \(21'39		min. Earth dist.	6826 Nov 23 16:59		8.74164 AU
min. Earth dist.	6820 Sep 10 11:25		8.87653 AU	direct	6827 Jan 31 14:21	1° Ⅱ 06'16	
direct	6820 Nov 20 00:29	20°) (01'07 27°) (14'17		evening set	6827 May 11 18:39	8° Ⅱ 22'09	
evening set	6821 Mar 01 22:23	2/° π 141/		conjunction	6827 May 28 15:21	10° ∏ 24'48	-2°03'56
conjunction	6821 Mar 18 16:29	29°) 14′06	-0°50'19	minimum elong	6827 May 28 15:22	10° ∏ 24'48	
minimum elong	6821 Mar 18 16:28	29°) 14′06	0°50'18	max. Earth dist.	6827 May 28 18:29	10° Ⅱ 25'45	10.70718 AU
max. Earth dist.	6821 Mar 18 17:24	29°) 14′23	10.88541 AU	morning rise	6827 Jun 14 15:32	12° Ⅱ 28'31	
	6821 Mar 25 01:27	$0^{\circ}\mathbf{Y}$		retrograde	6827 Sep 27 12:10	20° Ⅱ 03'49	
morning rise	6821 Apr 04 09:58	1° Y 13'47		opposition	6827 Dec 06 16:04	16° Ⅱ 40′01	-2°30'08
retrograde	6821 Jul 14 20:08	8° Y 25'11		min. Earth dist.	6827 Dec 06 13:12	16° Ⅱ 40′34	8.67320 AU
opposition	6821 Sep 22 23:33	5° Ƴ 05'47		direct	6828 Feb 12 23:52	13° Ⅱ 20′03	
min. Earth dist.	6821 Sep 22 21:54		8.89102 AU	evening set	6828 May 23 06:13	20° ∏ 39'48	
direct	6821 Dec 02 07:45	1° ℃ 45'57					
evening set	6822 Mar 13 18:16	8° Ƴ 57'01		conjunction	6828 Jun 09 06:01	22° I I44'10	
. ,.	(022 M 20 11 16	1000056120	1012124	minimum elong	6828 Jun 09 06:03	22° ∏ 44'11	
conjunction	6822 Mar 30 11:16	10° Υ 56'28 10° Υ 56'27		max. Earth dist.	6828 Jun 09 08:27 6828 Jun 26 09:51	22°H44'55 24°H49'45	10.63484 AU
minimum elong max. Earth dist.	6822 Mar 30 11:14 6822 Mar 30 13:07		10.89203 AU	morning rise	6828 Aug 14 10:07	24 П 4943	
morning rise	6822 Apr 16 04:19	10 γ 57 01 12° γ 55'59	10.89203 AC	retrograde	6828 Oct 09 15:40	2° 9 30'41	
retrograde	6822 Jul 27 02:52	20° Υ 09'23		retrograde	6828 Dec 06 19:49	30°R∏	
opposition	6822 Oct 05 11:15	16° Υ 49'35	-1°40'57	opposition	6828 Dec 18 14:38	29° Ⅲ 05'55	-2°20'22
min. Earth dist.	6822 Oct 05 09:13	16° Ƴ 49'57	8.89028 AU	min. Earth dist.	6828 Dec 18 12:24	29° Ⅱ 06′21	8.59750 AU
direct	6822 Dec 14 12:25	13° Y '30'15		direct	6829 Feb 24 14:47	25° Ⅱ 45'10	
evening set	6823 Mar 25 14:08	20° Ƴ 40′18			6829 May 08 07:50	0 \circ \odot	
				evening set	6829 Jun 04 23:58	3° 5 09'28	
conjunction	6823 Apr 11 06:20	22° Y 39'39	-1°31'30				
minimum elong	6823 Apr 11 06:17	22° Y 39'38		conjunction	6829 Jun 22 03:38	5° © 15'53	-1°47'50
max. Earth dist.	6823 Apr 11 08:12		10.88333 AU	minimum elong	6829 Jun 22 03:40	5° © 15'54	
morning rise	6823 Apr 27 23:33	24° Ƴ 39'19		max. Earth dist.	6829 Jun 22 06:08		10.55733 AU
	6823 Jun 20 05:38	0° 8		morning rise	6829 Jul 09 11:27	7°523'32	
retrograde	6823 Aug 08 12:03	1° 8 55'43		retrograde	6829 Oct 23 00:59	15°509'53	2002142
onnosition	6823 Sep 28 11:59	30°₹ Υ 28° Υ 35'21	2002!11	opposition	6829 Dec 31 16:09	11°544'11	
opposition min. Earth dist.	6823 Oct 17 23:31 6823 Oct 17 21:33	28° Y 35'21	-2°02'11 8.87437 AU	min. Earth dist. direct	6829 Dec 31 14:00 6830 Mar 09 09:19	11°544'36 8°522'30	8.51864 AU
direct	6823 Dec 26 18:20	28° γ 35°43 25° γ 16'19	0.07437 AU	evening set	6830 Mar 09 09:19 6830 Jun 18 00:25	15° © 51'55	
ancet	6824 Mar 14 19:56	0° 8		evening set	5050 Juli 10 00.23	10 20100	
evening set	6824 Apr 05 11:03	2° 8 26'22		conjunction	6830 Jul 05 08:22	18° © 00'30	-1°31'32
	. T 11.03	<u> </u>		minimum elong	6830 Jul 05 08:25	18° © 00'31	1°31'36
conjunction	6824 Apr 22 03:10	4° 8 25'58	-1°46'48	max. Earth dist.	6830 Jul 05 11:31		10.47877 AU
minimum elong	6824 Apr 22 03:08	4° 8 25'58		morning rise	6830 Jul 22 20:19	20°9510'20	
· ·	•			~			

retrograde opposition min. Earth dist. direct	6830 Nov 05 14:53 6831 Jan 13 20:57 6831 Jan 13 18:22 6831 Mar 22 07:30	21°5512'26	-1°40'36 8.44077 AU	max. Earth dist. morning rise retrograde opposition	6836 Sep 25 22:11 6836 Oct 13 22:42 6837 Jan 26 01:55 6837 Apr 03 06:01	10° Ω 35'48 18° Ω 36'44 15° Ω 09'28	10.19213 AU 1°37'50
evening set	6831 Jul 01 07:56 6831 Jul 11 02:36	28°Φ47'20 0°Ω		min. Earth dist. direct evening set	6837 Apr 03 06:21 6837 Jun 09 18:15 6837 Sep 22 12:38	15° £ 09'24 11° £ 41'13 19° £ 43'56	8.19418 AU
conjunction minimum elong	6831 Jul 18 20:15 6831 Jul 18 20:17	0° Ω 58'06 0° Ω 58'07		conjunction	6837 Oct 10 11:45	22° ჲ 00'38	1°29'28
max. Earth dist.	6831 Jul 18 23:28		10.40322 AU	minimum elong	6837 Oct 10 11:43	22° ⊆ 00'37	1°29'30
morning rise	6831 Aug 05 12:17	3° Ω 10′04		max. Earth dist.	6837 Oct 10 10:38		10.19950 AU
retrograde	6831 Nov 19 08:31	11° Ω 05'46		morning rise	6837 Oct 28 09:31	24° ≙ 16'58	
opposition	6832 Jan 27 04:54	7° Ω 38'31			6837 Dec 20 02:45	0° M.	
min. Earth dist.	6832 Jan 27 02:21	7° Ω 39'01	8.36791 AU	retrograde	6838 Feb 08 23:49	2°M15'07	
direct	6832 Apr 03 10:32	4°Ω14'42		•,•	6838 Apr 02 00:52	30° ₹ Ω	2002101
evening set	6832 Jul 13 22:58	11° Ω 55'19		opposition min. Earth dist.	6838 Apr 16 23:14 6838 Apr 16 23:58	28° Ω 48'35 28° Ω 48'26	2°03'01 8.21104 AU
conjunction	6832 Jul 31 15:18	14°Ω08'09	-0°45'18	direct	6838 Jun 23 17:55	25° £ 20'04	6.21104 AU
minimum elong	6832 Jul 31 15:20	14°Ω08'10	0°45'21	direct	6838 Sep 08 05:37	0° M	
max. Earth dist.	6832 Jul 31 17:37	14° Ω 08'53	10.33455 AU	evening set	6838 Oct 07 01:37	3°M23'46	
	6832 Aug 07 11:56	15° Ω					
morning rise	6832 Aug 18 11:02	16° Ω 22'04		conjunction	6838 Oct 24 22:53	5° M ₃39'37	1°47'04
retrograde	6832 Dec 02 05:15	24° Ω 21'10		minimum elong	6838 Oct 24 22:51	5°M39'36	1°47'07
opposition min. Earth dist.	6833 Feb 08 15:34	20°Ω53'26		max. Earth dist.	6838 Oct 24 21:05	5°M39'03 7°M54'50	10.22496 AU
direct	6833 Feb 08 13:50 6833 Apr 16 17:46	$17^{\circ}\Omega 28'29$	8.30386 AU	morning rise	6838 Nov 11 17:56 6839 Jan 23 16:57	15°M	
evening set	6833 Jul 27 20:59	25° Ω 14'48		retrograde	6839 Feb 22 17:22	15°M49'01	
evening sec	0033 vai 27 20.03	20 0011.10		remograde	6839 Mar 24 22:11	15°RM	
conjunction	6833 Aug 14 16:43	27° N 29'26	-0°17'28	opposition	6839 Apr 30 15:28	12°M23'25	2°21'08
minimum elong	6833 Aug 14 16:44	27° N 29'26	0°17'31	min. Earth dist.	6839 Apr 30 17:08	12°M23'04	8.24537 AU
max. Earth dist.	6833 Aug 14 17:49		10.27634 AU	direct	6839 Jul 07 18:48	8°M54'53	
morning rise	6833 Sep 01 15:20	29° Ω 44'56			6839 Oct 05 05:26	15°M	
ratra ara da	6833 Sep 03 16:05	0°M) 7°M∩46/21		evening set	6839 Oct 21 11:40	16°M58'00	
retrograde opposition	6833 Dec 16 04:27 6834 Feb 22 04:55	7° Mp 46'21 4° Mp 18'23	-0°03'30	conjunction	6839 Nov 08 06:26	19° M .12'35	1°58'36
min. Earth dist.	6834 Feb 22 04:10	4° m) 18'32	8.25204 AU	minimum elong	6839 Nov 08 06:24	19°ML12'35	1°58'40
asc. node	6834 Mar 30 20:24	1° m 41'56		max. Earth dist.	6839 Nov 08 03:30	19°M11'39	10.26713 AU
direct	6834 Apr 30 06:08	0° m 52′22		morning rise	6839 Nov 25 22:21	21°M26'20	
evening set	6834 Aug 11 01:03	8° m 44'04		retrograde	6840 Mar 07 06:30	29°M15'35	
	60244 20 22 10	110 00 00100	0011110	opposition	6840 May 13 06:08	25°M51'04	2°31'16
conjunction	6834 Aug 28 23:19 6834 Aug 28 23:18	11°Mp00'02 11°Mp00'01	0°11'40 0°11'38	min. Earth dist.	6840 May 13 08:35 6840 Jul 20 19:14	25°M50'34 22°M22'49	8.29516 AU
minimum elong behind sun begin	6834 Aug 28 18:12	10° Mp 58'25	0 11 38	direct	6840 Oct 31 11:55	22 11622 49 0° √ 1	
behind sun end	6834 Aug 29 04:25	11° mp 01'38		evening set	6840 Nov 03 16:48	0° ₹ 23'40	
max. Earth dist.	6834 Aug 28 23:25	•	10.23170 AU	<i>3</i>			
morning rise	6834 Sep 15 23:40	13°Mp 16'38		conjunction	6840 Nov 21 08:41	2° ∡ ³36'43	2°03'34
retrograde	6834 Dec 30 03:43	21°Mp 19'12		minimum elong	6840 Nov 21 08:41	2° ∡ ³36'43	2°03'38
opposition	6835 Mar 07 20:14	17° m 51'13		max. Earth dist.	6840 Nov 21 05:02		10.32357 AU
min. Earth dist.	6835 Mar 07 20:12	17° Mp 51'14	8.21531 AU	morning rise retrograde	6840 Dec 08 21:18 6841 Mar 20 15:33	4° 🗷 48'45	
direct evening set	6835 May 13 23:35 6835 Aug 25 10:14	14° Mp 24'16 22° Mp 20'42		opposition	6841 May 26 18:27	12° х 32′25 9° х 09′00	2°33'07
evening set	0033 / tug 23 10.14	22 11/20 42		min. Earth dist.	6841 May 26 20:58	9° ∡ ′08'30	8.35758 AU
conjunction	6835 Sep 12 10:00	24° m 37'29	0°40'17	direct	6841 Aug 03 17:07	5° ∡ 741'18	
minimum elong	6835 Sep 12 09:59	24° m 37'29	0°40'16	evening set	6841 Nov 17 15:33	13° ∡ ³38'23	
max. Earth dist.	6835 Sep 12 09:38	24° m 37'22	10.20310 AU				
morning rise	6835 Sep 30 10:45	26° m 54'36		conjunction	6841 Dec 05 04:35	15° √ 49'45	2°01'54
. 1	6835 Oct 26 10:44	0° <u>ი</u>		minimum elong	6841 Dec 05 04:36		2°01'58
retrograde opposition	6836 Jan 13 02:54 6836 Mar 20 12:44	4° £ 57'01 1° £ 29'16	1°07'04	max. Earth dist. morning rise	6841 Dec 05 01:01 6841 Dec 22 13:59	15° x '48'37 17° x '59'58	10.39118 AU
min. Earth dist.	6836 Mar 20 12:54	1° £ 2916	8.19566 AU	retrograde	6842 Apr 02 19:41	17 x · 39 38 25° x ¹ 37 '38	
	6836 Apr 08 09:14	30°R, My	3.23.200.110	opposition	6842 Jun 09 03:50	22° х 37 36	2°26'55
direct	6836 May 26 20:17	28° m) 01'32		min. Earth dist.	6842 Jun 09 05:54	22° х 14′55	8.42924 AU
	6836 Jul 13 09:29	0∘ ⊽		direct	6842 Aug 17 12:24	18° ∡ ¹48′20	
evening set	6836 Sep 07 22:51	6° ≏ 01'46		evening set	6842 Dec 01 07:01	26° ∡ 740′28	
conjunction	6836 Sep 25 22:54	8° ≏ 18'48	1°06'45	conjunction	6842 Dec 18 17:20	28° ∡ 50'04	1°53'58
minimum elong	6836 Sep 25 22:51	8° £ 18'47		minimum elong	6842 Dec 18 17:21	28° х 50'04	

max. Earth dist.	6842 Dec 18 14:26	28° ₹ 49'10	10.46625 AU	evening set	6849 Feb 13 02:13	10°) 29′12	
	6842 Dec 28 01:48	0°ප					
morning rise	6843 Jan 04 23:41	0° る 58'29		conjunction	6849 Mar 01 22:41	12°) ₹30′09	
retrograde	6843 Apr 15 19:07	8° ප 30'07		minimum elong	6849 Mar 01 22:40	12° ∺ 30′09	0°14'43
opposition	6843 Jun 22 10:02	5° る 08'49	2°13'23	behind sun begin	6849 Mar 01 19:37	12° ∺ 29'14	
min. Earth dist.	6843 Jun 22 11:43	5° る 08'29	8.50619 AU	behind sun end	6849 Mar 02 01:44	12°) 31′03	
direct	6843 Aug 31 03:37	1° る 42'42		max. Earth dist.	6849 Mar 01 21:24		10.84897 AU
evening set	6843 Dec 14 14:55	9° る 29'02		morning rise	6849 Mar 18 17:23	14° ∺ 30′38	
		_		retrograde	6849 Jun 27 13:03	21°) 41'32	
conjunction	6843 Dec 31 22:33	11° ろ 36'51	1°40'29	opposition	6849 Sep 05 06:41	18°) €22'43	
minimum elong	6843 Dec 31 22:36	11° る 36'52		min. Earth dist.	6849 Sep 05 07:34	18°) €22'33	8.86256 AU
max. Earth dist.	6843 Dec 31 20:22		10.54468 AU	direct	6849 Nov 14 19:05	15°) €02'00	
morning rise	6844 Jan 18 02:07	13°る43'30		evening set	6850 Feb 25 00:59	22° 升 17′01	
retrograde	6844 Apr 27 14:51	21°る09'24	1052124	. ,.	(050 M 12 10 42	240 17114	0020141
opposition	6844 Jul 04 12:52	17° る 49'00	1°53'34	conjunction	6850 Mar 13 19:42	24°) 17'14 24°) 17'13	
min. Earth dist.	6844 Jul 04 14:48	17°る48'37 14°る23'50	8.58448 AU	minimum elong max. Earth dist.	6850 Mar 13 19:41 6850 Mar 13 18:13		10.87232 AU
direct evening set	6844 Sep 12 13:23 6844 Dec 26 15:15	14 3 23 30 22° る 03'54			6850 Mar 30 13:36	24 X 1047 26° X 17'11	10.87232 AU
evening set	0844 Dec 20 15:15	22 003 34		morning rise	6850 May 03 19:42	26° π 1/11 0° γ	
conjunction	6845 Jan 12 20:16	24° ♂ 10'02	102222	retrograde	6850 Jul 09 18:52	3° Υ 28'35	
minimum elong	6845 Jan 12 20:18	24°る10'02 24°る10'02		opposition	6850 Sep 17 19:15	0° Υ 09'25	-1°03'09
max. Earth dist.	6845 Jan 12 17:54		10.62245 AU	min. Earth dist.	6850 Sep 17 19:13		8.87861 AU
morning rise	6845 Jan 29 21:30	26°る15'02	10.02243 AC	mm. Lartii dist.	6850 Sep 19 21:39	30°R) €	0.07001 AC
morning risc	6845 Mar 04 13:49	20 ⊙ 13 02		direct	6850 Nov 27 04:20	26°) (49'14	
retrograde	6845 May 10 05:34	3°≈35'46		uncet	6851 Jan 30 05:29	0°Υ	
opposition	6845 Jul 17 12:19	0°≈16'06	1°28'44	evening set	6851 Mar 08 21:55	4° Υ 01'49	
min. Earth dist.	6845 Jul 17 14:35	0°≈15'40	8.66011 AU	evening sec	0031 11111 00 21.33	1 10117	
mm. Barur diot.	6845 Jul 21 00:18	30°Rる	0.00011110	conjunction	6851 Mar 25 15:18	6° Y 01'32	-1°02'54
direct	6845 Sep 25 17:59	26° පි 51'54		minimum elong	6851 Mar 25 15:16	6°Υ01'32	
	6845 Nov 28 07:45	0° ≈		max. Earth dist.	6851 Mar 25 14:18		10.88058 AU
evening set	6846 Jan 08 08:18	4°≈25'42		morning rise	6851 Apr 11 08:41	8° Ƴ 01'16	
8				retrograde	6851 Jul 22 00:26	15° Υ 14'16	
conjunction	6846 Jan 25 10:51	6° ≈ 30'14	1°00'41	opposition	6851 Sep 30 07:33	11° Y 54'32	-1°30'09
minimum elong	6846 Jan 25 10:53	6° ≈ 30'14	1°00'43	min. Earth dist.	6851 Sep 30 07:29	11° Y 54'32	8.87952 AU
max. Earth dist.	6846 Jan 25 07:59	6° ≈ 29'21	10.69541 AU	direct	6851 Dec 09 12:01	8° Y 34'43	
morning rise	6846 Feb 11 10:11	8° ≈ 33'47		evening set	6852 Mar 19 18:00	15° Ƴ 45'51	
	6846 Apr 21 10:04	15° ≈					
retrograde	6846 May 22 14:53	15° ≈ 50'15		conjunction	6852 Apr 05 10:37	17° Ƴ 45′23	-1°23'28
	6846 Jun 23 11:02	15° R ≈		minimum elong	6852 Apr 05 10:35	17° Y 45'23	1°23'30
opposition	6846 Jul 30 08:27	12° ≈ 31′06	1°00'15	max. Earth dist.	6852 Apr 05 11:12	17° Ƴ 45'34	10.87360 AU
min. Earth dist.	6846 Jul 30 10:44	12° ≈ 30'40	8.72884 AU	morning rise	6852 Apr 22 03:48	19° Ƴ 45′08	
direct	6846 Oct 08 20:04	9° ≈ 07'51		retrograde	6852 Aug 02 09:52	27° Y 00′50	
	6847 Jan 07 00:50	15° ≈		opposition	6852 Oct 11 19:59	23° Y 40'20	
evening set	6847 Jan 20 19:08	16° ≈ 35'47		min. Earth dist.	6852 Oct 11 18:36		8.86535 AU
				direct	6852 Dec 20 19:21	20° Y 20'44	
conjunction	6847 Feb 06 19:27	18° ≈ 38'54		evening set	6853 Mar 31 14:45	27° Y 31'26	
minimum elong	6847 Feb 06 19:29	18°≈38'54					
max. Earth dist.	6847 Feb 06 16:31		10.75934 AU	conjunction	6853 Apr 17 07:05	29° Υ 31'08	
morning rise	6847 Feb 23 17:02	20°≈41'11		minimum elong	6853 Apr 17 07:03	29° Υ 31'07	
retrograde	6847 Jun 03 23:47	27°≈54'33	0020121	max. Earth dist.	6853 Apr 17 08:58		10.85176 AU
opposition	6847 Aug 12 01:40	24°≈35'43	0°29'31		6853 Apr 21 06:56	0° 8	
min. Earth dist.	6847 Aug 12 03:15	24°≈35'25	8.78679 AU	morning rise	6853 May 04 00:38	1° 8 31'15 8° 8 50'29	
direct	6847 Oct 21 16:27 6848 Feb 02 00:43	21°≈13'26 28°≈36'11		retrograde	6853 Aug 14 21:32 6853 Oct 24 09:04	5° 8 29'09	2012/02
evening set	6848 Feb 13 16:57	28 ≈30 11 0° \		opposition min. Earth dist.	6853 Oct 24 09:04 6853 Oct 24 06:58	_	8.83668 AU
	0040 Feb 13 10.37	υ χ		direct		2° 8 09'35	6.63006 AU
conjunction	6848 Feb 18 23:04	0°) 38′07	0°11'04	evening set	6854 Jan 01 23:52 6854 Apr 12 13:12	9° 8 20'56	
minimum elong	6848 Feb 18 23:04	0° \ 38'07		ovening set	565 Trpi 12 15.12	, U 20 30	
behind sun begin	6848 Feb 18 17:47	0° \ 36'32	J 11 00	conjunction	6854 Apr 29 05:48	11° 8 21'07	-1°53'30
behind sun end	6848 Feb 19 04:21	0° X 30'32' 0° X 39'42		minimum elong	6854 Apr 29 05:46	11° 8 21'06	
max. Earth dist.	6848 Feb 18 21:09		10.81104 AU	max. Earth dist.	6854 Apr 29 07:39		10.81596 AU
morning rise	6848 Mar 06 19:01	2°\(\frac{1}{3}\)39'22	-0.01101710	morning rise	6854 May 16 00:29	13° 8 21'57	20.01070710
retrograde	6848 Jun 15 07:12	9° H 50'54			6854 May 30 04:23	15° 8	
desc. node	6848 Jul 29 04:35	8° ∺ 20′50		retrograde	6854 Aug 27 11:10	20° 8 45'31	
opposition	6848 Aug 23 16:57	6° ∺ 32'11	-0°02'09	opposition	6854 Nov 05 23:44	17° 8 23'17	-2°25'08
min. Earth dist.	6848 Aug 23 17:55		8.83171 AU	min. Earth dist.	6854 Nov 05 21:42	17° 8 23'40	
direct	6848 Nov 02 06:43	3°) 10'47	-		6854 Dec 11 05:34	15° ₹ 8	_

direct	6855 Jan 14 05:53	14° 8 03'34	direct	6861 Mar 29 04:32	28° © 54'48	
uncer	6855 Feb 16 14:54	15° 8	direct	6861 May 03 01:07	20 3 34 40	
evening set	6855 Apr 24 14:14	21° 8 16'34	evening set	6861 Jul 08 11:51	6° Ω 33'44	
evening sec	0000 Tipi 2 . T	21 0103.	e vennig see	0001001	0 00000	
conjunction	6855 May 11 07:54	23° 8 17'37 -2°01'3	38 conjunction	6861 Jul 26 02:30	8° Ω 45'53	-0°56'21
minimum elong	6855 May 11 07:53	23° 8 17'37 2°01'4	41 minimum elong	6861 Jul 26 02:32	8° Ω 45'54	0°56'25
max. Earth dist.	6855 May 11 09:59	23° 8 18'15 10.767	761 AU max. Earth dist.	6861 Jul 26 06:03	8° Ω 47'00	10.35402 AU
morning rise	6855 May 28 04:27	25° 8 19'31	morning rise	6861 Aug 12 20:51	10° Ω 59'10	
	6855 Jul 11 07:11	Π $^{\circ}$ 0		6861 Sep 17 00:54	15° Ω	
retrograde	6855 Sep 09 05:16	2° Ⅱ 48′04	retrograde	6861 Nov 26 16:15	18° Ω 57'39	
	6855 Nov 10 22:48	30° ₹ 8	opposition	6862 Feb 03 07:32	15° Ω 30'11	-0°53'23
opposition	6855 Nov 18 16:23	29° 8 24'53 -2°32'0	min. Earth dist.	6862 Feb 03 04:46	15° Ω 30'44	8.32373 AU
min. Earth dist.	6855 Nov 18 14:06	29° 8 25'19 8.740	71 AU	6862 Feb 09 14:39	15° Ŗ €	
direct	6856 Jan 26 14:20	26° 8 04'52	direct	6862 Apr 11 11:00	12° Ω 05'51	
	6856 Apr 05 21:07	$\Pi^{\circ}0$		6862 Jun 08 17:34	15° Ω	
evening set	6856 May 05 19:06	3° Ⅲ 20′26	evening set	6862 Jul 22 07:34	19° Ω 50′24	
conjunction	6856 May 22 14:50	5° Ⅱ 22'45 -2°04'2	29 conjunction	6862 Aug 09 02:03	22° Ω 04'26	
minimum elong	6856 May 22 14:51	5° Ⅱ 22'45 2°04'3	32 minimum elong	6862 Aug 09 02:04	22° Ω 04'26	0°29'30
max. Earth dist.	6856 May 22 17:56	5° Ⅱ 23'41 10.708		6862 Aug 09 05:44		10.29615 AU
morning rise	6856 Jun 08 13:53	7° Ⅱ 26′03	morning rise	6862 Aug 26 23:30	24° Ω 19'25	
retrograde	6856 Sep 21 03:28	14° Ⅱ 59'59		6862 Oct 18 17:52	0° m)	
opposition	6856 Nov 30 11:15	11° Ⅱ 35'49 -2°32'	U	6862 Dec 10 16:12	2° m/20'38	
min. Earth dist.	6856 Nov 30 08:14	11° Ⅱ 36'24 8.677		6863 Feb 02 18:08	30°R Ω	
direct	6857 Feb 07 00:27	8° Ⅱ 15'22	opposition	6863 Feb 16 20:31	28° Ω 52'59	
evening set	6857 May 18 04:49	15° Ⅱ 34'23	min. Earth dist.	6863 Feb 16 17:42		8.27165 AU
		_	direct	6863 Apr 24 21:06	25° Ω 27'47	
conjunction	6857 Jun 04 03:27	17° Ⅲ 38'17 -2°01'4		6863 Jul 08 09:04	0° m)	
minimum elong	6857 Jun 04 03:28	17° Ⅲ 38'17 2°01'4	Č	6863 Aug 05 09:56	3° m 17'43	
max. Earth dist.	6857 Jun 04 07:38	17° Ⅲ 39'34 10.641				
morning rise	6857 Jun 21 05:38	19° Ⅱ 43'19	conjunction	6863 Aug 23 07:24	5° m 33'14	
retrograde	6857 Oct 04 06:58	27° I I22'48	minimum elong	6863 Aug 23 07:23	5° m) 33'14	0°00'43
opposition	6857 Dec 13 08:57	23°II57'43 -2°25'3	C	6863 Aug 23 00:06	5° m 30'57	
min. Earth dist.	6857 Dec 13 05:09	23° I I58'27 8.606 20° I I36'42	behind sun end	6863 Aug 23 14:41	5° M) 35'32	10.25072 ATT
direct	6858 Feb 19 13:38		max. Earth dist.	6863 Aug 23 10:37		10.25073 AU
evening set	6858 May 30 20:17	27° Ⅲ 59'53	asc. node	6863 Aug 31 21:22	6° Mp 38'38 7° Mp 49'29	
aaniumatian	6050 Jun 16 22:21	0°905'40 -1°53'	morning rise 14 retrograde	6863 Sep 10 07:00 6863 Dec 24 16:48	15° m 52'10	
conjunction minimum elong	6858 Jun 16 22:21 6858 Jun 16 22:23	0°905'41 1°53'	Č	6864 Mar 01 11:41	13 m/32 10 12°m/24'34	0017120
minimum ciong	6858 Jun 16 04:00	0°90341 133.	min. Earth dist.	6864 Mar 01 09:22		8.23342 AU
max. Earth dist.	6858 Jun 17 02:33	0°906'58 10.568		6864 May 07 12:47	8° my 58'31	6.23342 AU
morning rise	6858 Jul 04 04:19	2° © 12'40	evening set	6864 Aug 18 17:58	16° Mp 53'16	
retrograde	6858 Oct 17 16:15	9° 9 57'39	evening set	0004 Mug 10 17.50	10 110 25 10	
opposition	6858 Dec 26 09:50	6°\$31'45 -2°11'4	47 conjunction	6864 Sep 05 17:14	19° m 09'46	0°28'24
min. Earth dist.	6858 Dec 26 06:05		09 AU minimum elong	6864 Sep 05 17:13	19° m) 09'46	0°28'24
direct	6859 Mar 04 05:03	3°510'01	max. Earth dist.	6864 Sep 05 19:05	-	10.22001 AU
evening set	6859 Jun 12 18:19	10°538'01	morning rise	6864 Sep 23 17:47	21°m) 26'42	
Č			retrograde	6865 Jan 06 17:06	29° m 29'30	
conjunction	6859 Jun 30 00:21	12°545'53 -1°39'	•	6865 Mar 15 04:15	26° m, 02'09	0°52'54
minimum elong	6859 Jun 30 00:23	12°545'54 1°39'	min. Earth dist.	6865 Mar 15 03:15	26° Mp 02'21	8.21079 AU
max. Earth dist.	6859 Jun 30 04:02	12°5647'02 10.493	387 AU direct	6865 May 21 08:02	22° m 35'19	
morning rise	6859 Jul 17 10:35	14°955'01		6865 Aug 28 16:06	0∘ ত	
retrograde	6859 Oct 31 04:40	22° © 45'09	evening set	6865 Sep 02 05:49	0° ჲ 34'03	
opposition	6860 Jan 08 13:58	19°518'34 -1°51'	17			
min. Earth dist.	6860 Jan 08 10:46	19° © 19'12 8.457	62 AU conjunction	6865 Sep 20 05:41	2° ♀ 50'57	0°56'00
direct	6860 Mar 16 01:53	15° © 55'59	minimum elong	6865 Sep 20 05:39	2° ჲ 50'56	0°56'00
evening set	6860 Jun 24 23:23	23° 5 29'20	max. Earth dist.	6865 Sep 20 05:29		10.20517 AU
			morning rise	6865 Oct 08 05:56	5° ჲ 07'59	
conjunction	6860 Jul 12 09:45	25°539'22 -1°19'		6866 Jan 20 16:48	13° ჲ 09'36	
minimum elong	6860 Jul 12 09:47	25°539'23 1°20'0	**	6866 Mar 28 21:42		1°25'27
max. Earth dist.	6860 Jul 12 13:02	25°540'24 10.421		6866 Mar 28 22:13	9° ≏ 42'36	8.20424 AU
morning rise	6860 Jul 30 00:17	27°950'39	direct	6866 Jun 04 05:54	6° ≙ 15'14	
	6860 Aug 17 04:14	0° Ω	evening set	6866 Sep 16 19:28	14° ≏ 16'52	
retrograde	6860 Nov 12 20:21	5° Ω 45'22				
opposition	6861 Jan 20 21:18	2°Ω18'15 -1°24'4	J	6866 Oct 04 18:52	16° ≏ 33'39	1°20'27
min. Earth dist.	6861 Jan 20 18:36	2° Ω 18'47 8.386	Č	6866 Oct 04 18:49	16° ≏ 33'38	1°20'28
	6861 Feb 21 18:41	30° ₹ 5	max. Earth dist.	6866 Oct 04 16:56	16° ₽ 33'02	10.20619 AU

	(0((0 + 22 17 41	100 0 50115		. 1	(072 A 22 15 20	160712116	
morning rise	6866 Oct 22 17:41	18° ≏ 50'15		retrograde	6873 Apr 22 15:29	16°₹12'16	2002127
retrograde	6867 Feb 03 14:59	26° £ 49'35		opposition	6873 Jun 29 11:36	12° る 51'12	
opposition	6867 Apr 11 15:12	23° £ 23'19	1°53'08	min. Earth dist.	6873 Jun 29 14:29	12° る 50'38	8.54587 AU
min. Earth dist.	6867 Apr 11 16:45	23° ≏ 23'00	8.21351 AU	direct	6873 Sep 07 10:28	9° ප 25'13	
direct	6867 Jun 18 06:16	19° ≙ 55'27		evening set	6873 Dec 21 15:14	17° る 07'53	
evening set	6867 Oct 01 09:18	27° ≙ 58'48					
	6867 Oct 17 08:26	0° M ₊		conjunction	6874 Jan 07 21:22	19° る 14'44	1°30'22
				minimum elong	6874 Jan 07 21:24	19° る 14'45	1°30'25
conjunction	6867 Oct 19 07:18	0° M L14'57	1°40'19	max. Earth dist.	6874 Jan 07 17:49	19° る 13'39	10.58304 AU
minimum elong	6867 Oct 19 07:16	0°M14'56	1°40'21	morning rise	6874 Jan 24 23:46	21° る 20'28	
max. Earth dist.	6867 Oct 19 04:16	0°ML13'59	10.22308 AU	retrograde	6874 May 05 07:45	28° る 43'14	
morning rise	6867 Nov 06 03:42	2°M30'38		opposition	6874 Jul 12 11:58	25° る 22'48	1°39'34
retrograde	6868 Feb 17 09:15	10°M26'32		min. Earth dist.	6874 Jul 12 13:59	25° る 22'25	8.62080 AU
			201.412.0				6.02060 AU
opposition	6868 Apr 24 07:59	7°M01'04	2°14'20	direct	6874 Sep 20 17:33	21°る57'41	
min. Earth dist.	6868 Apr 24 09:56	7° M ₊00'40	8.23872 AU	evening set	6875 Jan 03 10:59	29° る 34'04	
direct	6868 Jul 01 08:11	3°M33'02			6875 Jan 07 01:10	0° ≈	
evening set	6868 Oct 14 21:05	11°M36'32					
				conjunction	6875 Jan 20 14:46	1° ≈ 39'19	1°10'03
conjunction	6868 Nov 01 16:57	13°M51'38	1°54'27	minimum elong	6875 Jan 20 14:48	1° ≈ 39'19	1°10'06
minimum elong	6868 Nov 01 16:55	13°M51'37	1°54'31	max. Earth dist.	6875 Jan 20 12:24	1° ≈ 38'35	10.65672 AU
max. Earth dist.	6868 Nov 01 13:42	13°M50'36	10.25590 AU	morning rise	6875 Feb 06 14:55	3° ≈ 43'31	
	6868 Nov 10 16:10	15° M ₊		retrograde	6875 May 17 19:49	11° ≈ 01'36	
morning rise	6868 Nov 19 10:14	16°M05'59		opposition	6875 Jul 25 09:08	7° ≈ 41'43	1°12'28
retrograde	6869 Mar 02 00:42	23°M57'27		min. Earth dist.	6875 Jul 25 10:37	7°≈41'26	8.69177 AU
opposition	6869 May 07 23:37	20°M32'51	2°27'52	direct	6875 Oct 03 19:55	4°≈17'33	0.07177 AC
**	•						
min. Earth dist.	6869 May 08 01:34	20°M32'27	8.27936 AU	evening set	6876 Jan 16 00:02	11° ≈ 47'50	
direct	6869 Jul 15 08:50	17°M04'52					
evening set	6869 Oct 29 04:32	25°M06'47		conjunction	6876 Feb 02 01:27	13° ≈ 51'35	0°46'50
				minimum elong	6876 Feb 02 01:29	13° ≈ 51'35	0°46'52
conjunction	6869 Nov 15 21:48	27°M20'29	2°02'11	max. Earth dist.	6876 Feb 01 23:49	13° ≈ 51′05	10.72475 AU
minimum elong	6869 Nov 15 21:47	27°M20'29	2°02'15		6876 Feb 11 10:34	15° ≈	
max. Earth dist.	6869 Nov 15 18:42	27°M19'30	10.30354 AU	morning rise	6876 Feb 18 23:40	15° ≈ 54'24	
morning rise	6869 Dec 03 11:43	29°M33'14		retrograde	6876 May 29 05:15	23° ≈ 08'50	
	6869 Dec 07 02:31	0° ∡ ¹		opposition	6876 Aug 06 03:21	19° ≈ 49'23	0°42'33
retrograde	6870 Mar 15 12:43	7° ∡ 19'23		min. Earth dist.	6876 Aug 06 04:51	19° ≈ 49'06	8.75572 AU
opposition	6870 May 21 13:11	3° × 755'42	2°33'12	direct	6876 Oct 15 16:46	16°≈26'12	
min. Earth dist.	6870 May 21 15:34	3° ₹ 755'14	8.33360 AU	evening set	6877 Jan 27 07:21	23°≈50'52	
	•	0° ₹ 27'57	6.55500 AU	evening set	06// Jan 2/ 0/.21	23 ~30 32	
direct	6870 Jul 29 07:02				(077 F. L. 12, 0/ 21	25052117	0021140
evening set	6870 Nov 12 06:21	8° ∡ 726'44		conjunction	6877 Feb 13 06:31	25°≈53'17	
		=		minimum elong	6877 Feb 13 06:31	25°≈53'17	
conjunction	6870 Nov 29 20:44	10° ∡ ³38'49	2°03'16	max. Earth dist.	6877 Feb 13 04:43		10.78428 AU
minimum elong	6870 Nov 29 20:45	10° ≯ 38'49	2°03'21	morning rise	6877 Mar 02 03:12	27° ≈ 54'58	
max. Earth dist.	6870 Nov 29 17:16	10° ₹ 37'43	10.36357 AU		6877 Mar 20 08:11	0° ∀	
morning rise	6870 Dec 17 07:22	12° ∡ ¹49'48		retrograde	6877 Jun 10 11:02	5°) €06'49	
retrograde	6871 Mar 28 19:37	20° ₹ ³30'01		opposition	6877 Aug 18 18:53	1°) 47'38	0°11'10
opposition	6871 Jun 03 23:53	17° ∡ 107'17	2°30'20	min. Earth dist.	6877 Aug 18 20:05	1°){ 47′24	8.80998 AU
min. Earth dist.	6871 Jun 04 02:56	17° ∡ 06'41	8.39851 AU		6877 Sep 12 21:23	30°R≈	
direct	6871 Aug 12 03:19	13° ∡ ³39'57		direct	6877 Oct 28 09:08	28° ≈ 25'25	
evening set	6871 Nov 26 01:10	21° ∡ ³34'15			6877 Dec 11 18:30	0° ∀	
5 · 5 · · · · · · · · · · · · · · · · ·				desc. node	6877 Dec 29 19:13	1° ¥ 26′07	
conjunction	6871 Dec 13 12:38	23° ∡ ¹44'36	1°57'54	evening set	6878 Feb 08 09:54	5°) (45'14	
·	6871 Dec 13 12:39		1°57'59	evening set	08/8100 08 09.34	3 /(4314	
minimum elong		23° х 44'36			(070 F. L. 25, 07.04	70 1 46120	0002150
max. Earth dist.	6871 Dec 13 08:34		10.43267 AU	conjunction	6878 Feb 25 07:04	7°) (46′30	
morning rise	6871 Dec 30 20:13	25° ∡ 53'47		minimum elong	6878 Feb 25 07:03	7°) 46′30	0°03'57
	6872 Feb 05 07:24	0°ಕ		behind sun begin	6878 Feb 25 00:07	7°) 44′26	
retrograde	6872 Apr 09 19:33	3° る 27'53		behind sun end	6878 Feb 25 14:00	7°) 48′34	
opposition	6872 Jun 16 07:31	0° る 06'02	2°19'46	max. Earth dist.	6878 Feb 25 05:44		10.83277 AU
min. Earth dist.	6872 Jun 16 10:56	0° る 05'22	8.47053 AU	morning rise	6878 Mar 14 02:28	9°) 47'15	
	6872 Jun 17 14:13	30°R ∡ 7		retrograde	6878 Jun 22 15:56	16°) 57′46	
direct	6872 Aug 24 21:26	26° ∡ ³39'18		opposition	6878 Aug 31 08:23	13°) 38′39	-0°20'21
	6872 Oct 29 00:57	0°ರ		min. Earth dist.	6878 Aug 31 08:32	13°) 38′38	
evening set	6872 Dec 08 12:06	4° ට 28'05		direct	6878 Nov 09 23:35	10°) (17′21	
<i>5</i>				evening set	6879 Feb 20 08:56	17°) (33'10	
conjunction	6872 Dec 25 20:45	6° ප 36'40	1°46'39			,(33 10	
minimum elong	6872 Dec 25 20:47	6° ප 36'40	1°46'43	conjunction	6879 Mar 09 04:23	19°) 33′33	-0°29'17
•				·			
max. Earth dist.	6872 Dec 25 16:26		10.50710 AU	minimum elong	6879 Mar 09 04:22	19°) 33'32	
morning rise	6873 Jan 12 01:37	8° る 44'05		max. Earth dist.	6879 Mar 09 04:27	19° T 35'34	10.86806 AU

morning rise	6879 Mar 25 22:34	21°) 33'34		max. Earth dist.	6885 May 17 17:08	0° Ц 19'27 10.76935 А	ΔIJ
retrograde	6879 Jul 04 22:03	28°) 43'56		morning rise	6885 Jun 03 11:10	2°II20'37	10
opposition	6879 Sep 12 20:32	25°) 24'45	-0°50'46	retrograde	6885 Sep 15 19:34	2 П 2037 9° П 50'34	
min. Earth dist.	6879 Sep 12 19:25	25° \ 24'57	8.88046 AU	opposition	6885 Nov 25 04:08	6° П 27'41 -2°32'42	
direct	6879 Nov 22 08:40	22°) (2137	0.00010710	min. Earth dist.	6885 Nov 25 01:03	6° Ц 28'16 8.74044 A	II
evening set	6880 Mar 03 05:41	29° X 17'02		direct	6886 Feb 01 20:16	3° П 08'15	••
evening set	6880 Mar 09 07:03	0°Υ		evening set	6886 May 13 01:43	10° ∏ 24'12	
	0000 11111 07 07.03	0 1		evening sec	0000 11111 15 01:15	10 12112	
conjunction	6880 Mar 19 23:40	1° Y 16'46	-0°53'15	conjunction	6886 May 29 22:35	12° Ⅱ 26'53 -2°03'26	
minimum elong	6880 Mar 19 23:39	1° Y 16'45	0°53'16	minimum elong	6886 May 29 22:36	12° Ⅱ 26'54 2°03'29	
max. Earth dist.	6880 Mar 20 01:00	1° Y 17'10	10.88883 AU	max. Earth dist.	6886 May 30 01:10	12° 耳 27'41 10.70602 Æ	A U
morning rise	6880 Apr 05 17:01	3° Y 16'22		morning rise	6886 Jun 15 23:08	14° 耳 30′41	
retrograde	6880 Jul 16 03:37	10° Ƴ 27'43		retrograde	6886 Sep 28 18:45	22° Ⅲ 06′04	
opposition	6880 Sep 24 08:06	7° Ƴ 08'16	-1°18'56	opposition	6886 Dec 07 23:43	18° Ⅱ 42'15 -2°29'05	
min. Earth dist.	6880 Sep 24 06:31	7° Y 08'34	8.89398 AU	min. Earth dist.	6886 Dec 07 21:26	18° 耳 42'41 8.67195 A	U
direct	6880 Dec 03 14:54	3° Y 48'29		direct	6887 Feb 14 08:05	15° Ⅱ 22'14	
evening set	6881 Mar 15 01:18	10° Y 59'14		evening set	6887 May 25 13:25	22° Ⅱ 42′02	
conjunction	6881 Mar 31 18:05	12° Y 58'36	-1°14'58	conjunction	6887 Jun 11 13:32	24° Ⅱ 46'31 -1°57'32	
minimum elong	6881 Mar 31 18:03	12° Ƴ 58'35	1°15'00	minimum elong	6887 Jun 11 13:34	24° Ⅱ 46'31 1°57'36	
max. Earth dist.	6881 Mar 31 19:27	12° Y 59'00	10.89444 AU	max. Earth dist.	6887 Jun 11 16:10	24° 耳 47′19 10.63349 A	A U
morning rise	6881 Apr 17 11:11	14° Y 58'04		morning rise	6887 Jun 28 17:39	26° Ⅱ 52'11	
retrograde	6881 Jul 28 10:55	22° Ƴ 11'29			6887 Jul 26 06:44	0ಂ ತಾ	
opposition	6881 Oct 06 19:34	18° Y 51'38	-1°43'48	retrograde	6887 Oct 11 23:47	4° © 33'13	
min. Earth dist.	6881 Oct 06 18:01	18° Ƴ 51'55	8.89221 AU	opposition	6887 Dec 20 22:17	1°508'26 -2°18'30	
direct	6881 Dec 15 20:54	15° Ƴ 32'19		min. Earth dist.	6887 Dec 20 20:01	1°508'52 8.59593 A	U
evening set	6882 Mar 26 20:59	22° Y 42'07			6888 Jan 04 22:32	30°RⅡ	
				direct	6888 Feb 26 22:36	27° Ⅱ 47'40	
conjunction	6882 Apr 12 13:06	24° Y 41'26			6888 Apr 17 21:57	0ං ම	
minimum elong	6882 Apr 12 13:04	24° Y 41'25	1°33'36	evening set	6888 Jun 06 07:26	5°912'04	
max. Earth dist.	6882 Apr 12 14:38	24° Ƴ 41'54	10.88469 AU				
morning rise	6882 Apr 29 06:25	26° Ƴ 41'05		conjunction	6888 Jun 23 11:31	7° © 18'35 -1°46'00	
	6882 May 29 10:33	9° 8		minimum elong	6888 Jun 23 11:34	7° © 18'36 1°46'04	
retrograde	6882 Aug 09 19:03	3° 8 57'32		max. Earth dist.	6888 Jun 23 14:38	7°©19'33 10.55554 A	A U
opposition	6882 Oct 19 07:26	0° 8 37'07	-2°04'23	morning rise	6888 Jul 10 19:36	9° 5 26'22	
min. Earth dist.	6882 Oct 19 05:29	0° 8 37'28	8.87519 AU	retrograde	6888 Oct 24 09:42	17°912'50	
	6882 Oct 27 14:47	30° ₹Ƴ		opposition	6889 Jan 01 23:50	13°9647'07 -2°01'04	
direct	6882 Dec 28 01:36	27° Y 18′05		min. Earth dist.	6889 Jan 01 21:16	13°9647'37 8.51657 A	U
	6883 Feb 24 06:27	0°B		direct	6889 Mar 10 16:22	10°525'26	
evening set	6883 Apr 07 17:45	4° 8 28'00		evening set	6889 Jun 19 08:21	17° 9 55'03	
conjunction	6883 Apr 24 09:58	6° 8 27'35		conjunction	6889 Jul 06 16:42	20°503'45 -1°29'07	
minimum elong	6883 Apr 24 09:57	6° 8 27'35		minimum elong	6889 Jul 06 16:45	20°503'46 1°29'12	
max. Earth dist.	6883 Apr 24 12:45		10.85999 AU	max. Earth dist.	6889 Jul 06 19:50	20°504'44 10.47646 A	ΑU
morning rise	6883 May 11 03:57	8° 8 27'44		morning rise	6889 Jul 24 04:57	22°©13'42	
	6883 Jul 21 22:35	15° 8			6889 Oct 27 23:59	0° N	
retrograde	6883 Aug 22 06:52	15° 8 48'07		retrograde	6889 Nov 06 23:33	0° Ω 05'11	
•,•	6883 Sep 23 04:00	15°R 8	2010152	*,*	6889 Nov 16 23:45	30°RS	
opposition	6883 Oct 31 20:35	12° 8 26'56		opposition	6890 Jan 15 04:46	26°538'39 -1°37'19	. T T
min. Earth dist.	6883 Oct 31 17:28		8.84356 AU	min. Earth dist.	6890 Jan 15 02:10	26°539'10 8.43820 A	W
direct	6884 Jan 09 07:45	9° 8 08'02		direct	6890 Mar 23 15:02	23° © 15'55	
avanina aat	6884 Apr 07 08:15	15° 8 16° 8 18'58		avanina aat	6890 Jun 25 15:59 6890 Jul 02 16:24	0° Ω 0° Ω 51′06	
evening set	6884 Apr 18 16:39	10 01838		evening set	0890 Jul 02 10.24	0 863100	
conjunction	6884 May 05 09:43	18° 8 19'15	1050121	conjunction	6890 Jul 20 04:58	3° Ω 02'00 -1°07'30	
minimum elong	6884 May 05 09:42	18° 8 19'14		minimum elong	6890 Jul 20 04:38 6890 Jul 20 05:00	3°Ω02'01 1°07'34	
max. Earth dist.	6884 May 05 13:35		1°58'34 10.82116 AU	max. Earth dist.	6890 Jul 20 05:00 6890 Jul 20 07:20	$3^{\circ}\Omega 02'01 1^{\circ}0/34$ $3^{\circ}\Omega 02'45 10.40052 A$	ΔII
max. Earth dist.	6884 May 22 05:03	20° 8 20'15	10.02110 AU	max. Earth dist.	6890 Jul 20 07:20 6890 Aug 06 21:21	5° Ω 14'06	10
retrograde	6884 Sep 03 00:18	20° 8 20°13		retrograde	6890 Aug 06 21:21 6890 Nov 20 17:46	13° Ω 09'55	
opposition	6884 Nov 12 11:20	24° 8 23'11	_2°20'20	opposition	6891 Jan 28 12:57	9° Ω 42'43 -1°08'09	
min. Earth dist.	6884 Nov 12 11:20 6884 Nov 12 07:44		8.79823 AU	min. Earth dist.	6891 Jan 28 12:37	9°Ω43'06 8.36508 A	ΔŢ
direct	6885 Jan 20 13:45	24 8 23 32 21° 8 04'09	0.17023 AU	direct	6891 Apr 05 17:49	6° Ω 18'51	
evening set	6885 Jan 20 13:45 6885 Apr 30 19:04	21° 8 0409		evening set	6891 Apr 05 17:49 6891 Jul 16 07:54	13° Ω 59'49	
evening set	6885 Apr 30 19:04 6885 May 15 01:01	0° Ⅱ		evening set	6891 Jul 24 09:15	15° Ω	
	0000 way 10 01.01	υ ц			0091 Jul 24 U9.13	13 06	
conjunction	6885 May 17 13:37	0° Ⅱ 18′23	-2°03'42	conjunction	6891 Aug 03 00:27	16° Ω 12'47 -0°42'04	
minimum elong	6885 May 17 13:37	0° П 18'23		minimum elong	6891 Aug 03 00:29	16°Ω12'47 -0 42'08	
mmmum ciong	3002 May 1/ 13.3/	U 110 23	2 05 75	minimum ciong	3071 11ug 03 00.49	10 06127/ 0 4200	

max. Earth dist.	6891 Aug 03 01:46	16°Ω13'11	10.33178 AU	conjunction	6897 Oct 26 09:08	7°M46'38	1°48'37
morning rise	6891 Aug 20 20:32	18° Ω 26'49	10.55170110	minimum elong	6897 Oct 26 09:05	7° M 46'37	1°48'40
retrograde	6891 Dec 04 14:51	26° Ω 26'01		max. Earth dist.	6897 Oct 26 06:24		10.22619 AU
opposition	6892 Feb 10 23:55	22° £ 58′21	-0°34'53	morning rise	6897 Nov 13 03:58	10°M01'46	
min. Earth dist.	6892 Feb 10 22:56		8.30113 AU	Č	6897 Dec 27 14:42	15°M	
direct	6892 Apr 18 01:44	19° Ω 33'21		retrograde	6898 Feb 24 01:43	17°M55'42	
evening set	6892 Jul 29 06:24	27° Ω 20′05			6898 Apr 25 20:33	15°RM	
				opposition	6898 May 02 00:28	14°M30'10	2°22'35
conjunction	6892 Aug 16 02:23	29° Ω 34'48	-0°14'05	min. Earth dist.	6898 May 02 02:40	14°M29'43	8.24708 AU
minimum elong	6892 Aug 16 02:24	29° Ω 34'48	0°14'07	direct	6898 Jul 09 04:48	11°M01'36	
behind sun begin	6892 Aug 15 22:59	29° Ω 33'44			6898 Sep 17 11:15	15°M	
behind sun end	6892 Aug 16 05:48	29° Ω 35'52		evening set	6898 Oct 22 21:46	19° M 04'41	
max. Earth dist.	6892 Aug 16 03:01	29° Ω 35′00	10.27378 AU				
	6892 Aug 19 09:53	0° m)		conjunction	6898 Nov 09 16:14	21°M19'11	1°59'23
morning rise	6892 Sep 03 01:13	1° m 50'24		minimum elong	6898 Nov 09 16:13	21°M19'11	1°59'27
retrograde	6892 Dec 17 12:41	9° m ,51'55		max. Earth dist.	6898 Nov 09 12:41	21°M18'03	10.26920 AU
asc. node	6893 Feb 15 21:22	7° m 01'03		morning rise	6898 Nov 27 07:59	23°M32'50	
opposition	6893 Feb 23 13:24	6° Mp 24′00	0°00'44		6899 Jan 29 13:27	0° ∡	
min. Earth dist.	6893 Feb 23 12:59	6° Mp 24′05	8.24968 AU	retrograde	6899 Mar 09 14:59	1° ∡ ′21'48	
direct	6893 May 01 15:53	2° Mp 57'56			6899 Apr 18 07:39	30°RM	
evening set	6893 Aug 12 11:00	10° m 50'04		opposition	6899 May 15 14:58	27°M57'18	2°31'45
		1200 0000	001.510.2	min. Earth dist.	6899 May 15 17:18	27°M56'49	8.29761 AU
conjunction	6893 Aug 30 09:29	13° Mp 06'06	0°15'03	direct	6899 Jul 23 04:48	24°M29'02	
minimum elong	6893 Aug 30 09:28	13° Mp 06'06	0°15'02		6899 Oct 16 03:34	0°×7	
behind sun begin	6893 Aug 30 07:08	13° Mp 05'22		evening set	6899 Nov 06 02:26	2° ∡ ¹29'44	
behind sun end	6893 Aug 30 11:48	13° Mp 06'50	10 22057 ATT		(000 N 22 10.10	40.742141	2002122
max. Earth dist.	6893 Aug 30 09:49		10.22957 AU	conjunction	6899 Nov 23 18:10	4° х ⁴42'41 4° х ⁴42'41	2°03'33 2°03'37
morning rise	6893 Sep 17 09:49 6893 Dec 31 12:12	15° Mp 22'44 23° Mp 25'23		minimum elong max. Earth dist.	6899 Nov 23 18:10 6899 Nov 23 14:37		10.32633 AU
retrograde opposition	6894 Mar 09 04:51	23 m 23 23 19° m 57'27	0°36'41	morning rise	6899 Dec 11 06:34	6° x ⁷ 54'37	10.32033 AU
min. Earth dist.	6894 Mar 09 04:31	19° Mp 57'31	8.21351 AU	retrograde	6900 Mar 22 23:41	14° × 37'56	
direct	6894 May 15 08:50	16° Mp 30'29	0.21331 AC	opposition	6900 May 29 03:01	11° × 14'32	2°32'37
evening set	6894 Aug 26 20:34	24° Mp 27'18		min. Earth dist.	6900 May 29 05:00	11° × 14'32 11° × 14'09	8.36055 AU
e venning see	00) 1 11ag 20 20.5 1	21 11/27 10		direct	6900 Aug 06 02:55	7° ∡ ¹46'50	0.50055710
conjunction	6894 Sep 13 20:25	26° Mp 44'08	0°43'28	evening set	6900 Nov 20 00:41	15° ∡ ¹43'41	
minimum elong	6894 Sep 13 20:23	26° m/ 44'08	0°43'28	evening sec	0,001.01.20.00.11	10 7 15 11	
max. Earth dist.	6894 Sep 13 20:36		10.20163 AU	conjunction	6900 Dec 07 13:37	17° ∡ °54'56	2°01'06
morning rise	6894 Oct 01 20:58	29° m 01'14		minimum elong	6900 Dec 07 13:38	17° ∡ °54'57	2°01'11
S	6894 Oct 09 19:19	0∘ <u>⊽</u>		max. Earth dist.	6900 Dec 07 10:42	17° ∡ °54′02	10.39439 AU
retrograde	6895 Jan 14 12:49	7° ഫ 03'41		morning rise	6900 Dec 24 22:43	20° ₹ 05'04	
opposition	6895 Mar 22 21:33	3° ₽ 35'58	1°10'48	retrograde	6901 Apr 05 03:36	27° ∡ ¹42'24	
min. Earth dist.	6895 Mar 22 21:21	3° ≏ 36′01	8.19465 AU	opposition	6901 Jun 11 12:20	24° ₹ ¹20'06	2°25'30
direct	6895 May 29 04:23	0° ≏ 08'15		min. Earth dist.	6901 Jun 11 14:02	24° ₹ 19'46	8.43253 AU
evening set	6895 Sep 10 09:22	8° ≙ 08'47		direct	6901 Aug 19 21:46	20° х 53′09	
				evening set	6901 Dec 03 15:31	28° ∡ ⁴44'56	
conjunction	6895 Sep 28 09:21	10° ≙ 25'49	1°09'33		6901 Dec 13 19:00	0°ප	
minimum elong	6895 Sep 28 09:19	10° £ 25'48	1°09'34				
max. Earth dist.	6895 Sep 28 08:50		10.19153 AU	conjunction	6901 Dec 21 01:42	0° る 54'26	
morning rise	6895 Oct 16 08:56	12° ≙ 42'48		minimum elong	6901 Dec 21 01:44	0° る 54'26	1°52'32
retrograde	6896 Jan 28 12:35	20° £ 43'39		max. Earth dist.	6901 Dec 20 23:23		10.46973 AU
opposition	6896 Apr 04 14:59	17° £ 16'26	1°40'59	morning rise	6902 Jan 07 07:48	3°る02'44	
min. Earth dist.	6896 Apr 04 15:29	17° £ 16′20	8.19409 AU	retrograde	6902 Apr 18 03:58	10°る34'04	2011100
direct	6896 Jun 11 02:55	13° £ 48'10		opposition	6902 Jun 24 18:25	7° る 12'48	2°11'08
evening set	6896 Sep 23 23:21	21° ≏ 51'08		min. Earth dist. direct	6902 Jun 24 20:21	7°る12'26 3°る46'44	8.50974 AU
conjunction	6896 Oct 11 22:15	24° £ 07'47	1°31'42	evening set	6902 Sep 02 11:24 6902 Dec 16 22:58	11°る32'40	
minimum elong	6896 Oct 11 22:12	24° ⊆ 07'47 24° ⊆ 07'46	1°31'44	evening set	0902 DCC 10 22.38	11 03240	
max. Earth dist.	6896 Oct 11 22:12		1 31 44 10.19981 AU	conjunction	6903 Jan 03 06:24	13° る 40'25	1°38'23
morning rise	6896 Oct 29 19:47	24° 2 4′04	.0.1//01 AU	minimum elong	6903 Jan 03 06:26	13° ठ 40'25	1°38'26
	6896 Nov 29 11:09	0° M		max. Earth dist.	6903 Jan 03 03:59		10.54838 AU
retrograde	6897 Feb 10 08:52	4°M22'02		morning rise	6903 Jan 20 09:52	15° ප් 46'59	10.0 1000 110
opposition	6897 Apr 18 08:12	0°M55'34	2°05'23	retrograde	6903 Apr 30 22:26	23°る12'33	
min. Earth dist.	6897 Apr 18 09:38	0°ML55'17	8.21187 AU	opposition	6903 Jul 07 21:01	19° る 52'12	1°50'38
	6897 Apr 29 20:38	30° ŖΩ		min. Earth dist.	6903 Jul 07 23:24	19° る 51'44	8.58825 AU
direct	6897 Jun 25 03:54	27° £ 27'01		direct	6903 Sep 15 21:06	16° る 27'05	
	6897 Aug 19 02:55	0° M ₊		evening set	6903 Dec 29 22:52	24° る 06'47	
evening set	6897 Aug 19 02:55 6897 Oct 08 12:12	0°M 5°M30'52		evening set	6903 Dec 29 22:52	24° පි 06'47	

agniumation	6904 Jan 16 03:39	26° る 12'49	1°19'46	min Forth dist	6000 Can 20 02:27	2° Ƴ 07'41	8.88441 AU
conjunction				min. Earth dist.	6909 Sep 20 02:37		6.66441 AU
minimum elong	6904 Jan 16 03:41	26° ♂ 12'49	1°19'49		6909 Oct 21 01:09	30° ₹	
max. Earth dist.	6904 Jan 16 00:47		10.62638 AU	direct	6909 Nov 29 11:20	28°) (47'43	
morning rise	6904 Feb 02 04:54	28° る 17'46			6910 Jan 06 23:09	0° Υ	
	6904 Feb 16 17:27	0° ≈		evening set	6910 Mar 11 03:19	5° Y 59'53	
retrograde	6904 May 12 11:16	5° ≈ 38'15					
opposition	6904 Jul 19 20:20	2° ≈ 18'37	1°25'17	conjunction	6910 Mar 27 20:41	7° Ƴ 59'30	-1°05'30
min. Earth dist.	6904 Jul 19 22:22	2° ≈ 18'13	8.66416 AU	minimum elong	6910 Mar 27 20:39	7° Y 59'30	1°05'30
	6904 Aug 22 01:18	30°Ŗ₹		max. Earth dist.	6910 Mar 27 20:29	7° Ƴ 59'27	10.88599 AU
direct	6904 Sep 28 03:42	28°る54'29		morning rise	6910 Apr 13 13:57	9° Y 59'08	
	6904 Nov 03 16:45	0°≈		retrograde	6910 Jul 24 07:25	17° Y 12'04	
evening set	6905 Jan 10 15:26	6°≈27'53		opposition	6910 Oct 02 14:05	13°Y52'20	1033104
evening set	0903 Jan 10 13.20	0 ~27 33		**		13° $\Upsilon 52 20$ 13° $\Upsilon 52'29$	
	(005 X 07 17 51	00 20110	0055143	min. Earth dist.	6910 Oct 02 13:17		8.88454 AU
conjunction	6905 Jan 27 17:51	8° ≈ 32'19	0°57'43	direct	6910 Dec 11 19:19	10° Y 32'40	
minimum elong	6905 Jan 27 17:53	8° ≈ 32'19	0°57'46	evening set	6911 Mar 22 23:20	17° Ƴ 43'25	
max. Earth dist.	6905 Jan 27 15:23	8° ≈ 31'33	10.69977 AU				
morning rise	6905 Feb 13 17:07	10° ≈ 35'47		conjunction	6911 Apr 08 15:54	19° Ƴ 42'54	-1°25'38
	6905 Mar 26 16:09	15° ≈		minimum elong	6911 Apr 08 15:52	19° Ƴ 42'53	1°25'40
retrograde	6905 May 24 22:43	17°≈52'04		max. Earth dist.	6911 Apr 08 16:59	19° Ƴ 43'13	10.87808 AU
Č	6905 Jul 26 17:22	15°R≈		morning rise	6911 Apr 25 08:58	21° Y 42'35	
opposition	6905 Aug 01 16:19	14°≈32'55	0°56'28	retrograde	6911 Aug 05 16:34	28°Y58'13	
min. Earth dist.	6905 Aug 01 17:34	14°≈32'41	8.73349 AU	opposition	6911 Oct 15 02:22	25° Y 37'45	1055146
	-		6.73349 AU	**			
direct	6905 Oct 11 04:28	11°≈09'47		min. Earth dist.	6911 Oct 15 00:51		8.86935 AU
	6905 Dec 21 05:26	15° ≈		direct	6911 Dec 23 23:52	22° Y 18'17	
evening set	6906 Jan 23 01:50	18° ≈ 37'13		evening set	6912 Apr 02 20:01	29° Y 28'42	
					6912 Apr 07 05:44	9° 8	
conjunction	6906 Feb 09 02:07	20° ≈ 40′14	0°33'22				
minimum elong	6906 Feb 09 02:09	20°≈40'14	0°33'25	conjunction	6912 Apr 19 12:13	1° 8 28'20	-1°42'14
max. Earth dist.	6906 Feb 09 00:31	20° ≈ 39'45	10.76451 AU	minimum elong	6912 Apr 19 12:11	1° 8 28'19	1°42'17
morning rise	6906 Feb 25 23:32	22° ≈ 42'25		max. Earth dist.	6912 Apr 19 13:34	1° 8 28'44	10.85521 AU
retrograde	6906 Jun 06 07:03	29°≈55'32		morning rise	6912 May 06 05:50	3° 8 28'25	10.03321710
opposition		29 ≈35 32 26°≈36'42	0°25'34	•	·	10° 8 47'39	
**	6906 Aug 14 09:17			retrograde	6912 Aug 17 02:57	_	2012142
min. Earth dist.	6906 Aug 14 10:06	26° ≈ 36'33	8.79236 AU	opposition	6912 Oct 26 15:26	7° 8 26'21	
direct	6906 Oct 23 23:10	23°≈14'31		min. Earth dist.	6912 Oct 26 13:54	_	8.83965 AU
	6907 Jan 30 01:50	0° ℋ		direct	6913 Jan 04 05:37	4° 8 06'51	
evening set	6907 Feb 04 07:06	0°) 36'43		evening set	6913 Apr 14 18:20	11° 8 18'00	
· · · · · · · · · · · ·	(007 E-L 21 05-20	201/20121	0007153	:	(012 M 01 10.55	120 🔾 10110	1054125
conjunction	6907 Feb 21 05:20	2° ∺ 38'31	0°07'52	conjunction	6913 May 01 10:55	13° 8 18'10	
minimum elong	6907 Feb 21 05:19	2°) 38'31	0°07'54	minimum elong	6913 May 01 10:54	13° 8 18'09	
behind sun begin	6907 Feb 20 23:00	2° ∺ 36'38		max. Earth dist.	6913 May 01 12:16	.T.	10.81840 AU
behind sun end	6907 Feb 21 11:39	2°) 40′24			6913 May 15 13:45	15° 8	
max. Earth dist.	6907 Feb 21 04:06	2°) 38′10	10.81698 AU	morning rise	6913 May 18 05:48	15° 8 19'00	
morning rise	6907 Mar 10 01:08	4°) 39'40		retrograde	6913 Aug 29 17:08	22° 8 42'35	
desc. node	6907 Jun 15 15:29	11° ¥ 50′29		opposition	6913 Nov 08 05:53	19° 8 20'22	-2°26'04
retrograde	6907 Jun 18 13:37	11° ¥ 50'55		min. Earth dist.	6913 Nov 08 04:12	19° 8 20'41	8.79649 AU
opposition	6907 Aug 27 00:19	8°) 32′13	-0°06'04	direct	6914 Jan 16 12:11	16° 8 00'42	
min. Earth dist.	6907 Aug 27 01:24		8.83787 AU	evening set	6914 Apr 26 19:22	23° 8 13'34	
direct	6907 Nov 05 14:13	5°) 10'54	0.03707710	evening set	071471pt 20 17.22	23 01334	
				aaninti	6014 M 12 12 12	250 1 4120	2002105
evening set	6908 Feb 16 08:17	12°) 28′47		conjunction	6914 May 13 13:13	25° 8 14'38	
				minimum elong	6914 May 13 13:12	25° 8 14'38	
conjunction	6908 Mar 04 04:29	14° ∺ 29'36		max. Earth dist.	6914 May 13 15:39		10.76891 AU
minimum elong	6908 Mar 04 04:28	14° ∺ 29'35	0°17'50	morning rise	6914 May 30 09:52	27° 8 16'33	
max. Earth dist.	0700 Mai 04 04.20						
max. Earth dist.	6908 Mar 04 02:55	14° ¥ 29′07	10.85517 AU		6914 Jun 23 11:25	Π $^{\circ}0$	
		14° ¥ 29'07 16° ¥ 29'58	10.85517 AU	retrograde		0°П 4°П45'09	
morning rise	6908 Mar 04 02:55 6908 Mar 20 23:09		10.85517 AU	•	6914 Sep 11 10:43	4° Ⅱ 45′09	-2°32'13
morning rise retrograde	6908 Mar 04 02:55 6908 Mar 20 23:09 6908 Jun 29 19:26	16° 光 29'58 23° 光 40'38		opposition	6914 Sep 11 10:43 6914 Nov 20 22:13	4° П 45'09 1° П 21'57	
morning rise retrograde opposition	6908 Mar 04 02:55 6908 Mar 20 23:09 6908 Jun 29 19:26 6908 Sep 07 13:49	16°¥29'58 23°¥40'38 20°¥21'50	-0°37'10	•	6914 Sep 11 10:43 6914 Nov 20 22:13 6914 Nov 20 19:38	4°Щ45'09 1°Щ21'57 1°Щ22'27	-2°32'13 8.74145 AU
morning rise retrograde opposition min. Earth dist.	6908 Mar 04 02:55 6908 Mar 20 23:09 6908 Jun 29 19:26 6908 Sep 07 13:49 6908 Sep 07 14:58	16° ∺ 29'58 23° ∺ 40'38 20° ∺ 21'50 20° ∺ 21'37	-0°37'10	opposition min. Earth dist.	6914 Sep 11 10:43 6914 Nov 20 22:13 6914 Nov 20 19:38 6914 Dec 09 09:48	4°Д45'09 1°Д21'57 1°Д22'27 30°R8	
morning rise retrograde opposition min. Earth dist. direct	6908 Mar 04 02:55 6908 Mar 20 23:09 6908 Jun 29 19:26 6908 Sep 07 13:49 6908 Sep 07 14:58 6908 Nov 17 01:40	16° ¥29'58 23° ¥40'38 20° ¥21'50 20° ¥21'37 17° ¥01'14	-0°37'10	opposition	6914 Sep 11 10:43 6914 Nov 20 22:13 6914 Nov 20 19:38 6914 Dec 09 09:48 6915 Jan 28 19:53	4°∏45'09 1°∏21'57 1°∏22'27 30°R ୪ 28° ୪ 01'59	
morning rise retrograde opposition min. Earth dist.	6908 Mar 04 02:55 6908 Mar 20 23:09 6908 Jun 29 19:26 6908 Sep 07 13:49 6908 Sep 07 14:58	16° ∺ 29'58 23° ∺ 40'38 20° ∺ 21'50 20° ∺ 21'37	-0°37'10	opposition min. Earth dist. direct	6914 Sep 11 10:43 6914 Nov 20 22:13 6914 Nov 20 19:38 6914 Dec 09 09:48 6915 Jan 28 19:53 6915 Mar 18 09:13	4°П45'09 1°П21'57 1°П22'27 30°R ४ 28° ४ 01'59 0°П	
morning rise retrograde opposition min. Earth dist. direct evening set	6908 Mar 04 02:55 6908 Mar 20 23:09 6908 Jun 29 19:26 6908 Sep 07 13:49 6908 Sep 07 14:58 6908 Nov 17 01:40 6909 Feb 27 06:42	16°¥29'58 23°¥40'38 20°¥21'50 20°¥21'37 17°¥01'14 24°¥15'45	-0°37'10 8.86874 AU	opposition min. Earth dist.	6914 Sep 11 10:43 6914 Nov 20 22:13 6914 Nov 20 19:38 6914 Dec 09 09:48 6915 Jan 28 19:53	4°∏45'09 1°∏21'57 1°∏22'27 30°R ୪ 28° ୪ 01'59	
morning rise retrograde opposition min. Earth dist. direct evening set conjunction	6908 Mar 04 02:55 6908 Mar 20 23:09 6908 Jun 29 19:26 6908 Sep 07 13:49 6908 Sep 07 14:58 6908 Nov 17 01:40 6909 Feb 27 06:42 6909 Mar 16 01:13	16°\text{\text{\text{29'58}}} 23°\text{\text{\text{\text{40'38}}}} 20°\text{\text{\text{\text{21'50}}}} 20°\text{\text{\text{\text{21'37}}}} 17°\text{\text{\text{\text{01'14}}}} 24°\text{\text{\text{15'45}}}	-0°37'10 8.86874 AU -0°42'37	opposition min. Earth dist. direct evening set	6914 Sep 11 10:43 6914 Nov 20 22:13 6914 Nov 20 19:38 6914 Dec 09 09:48 6915 Jan 28 19:53 6915 Mar 18 09:13 6915 May 09 00:17	4°用45'09 1°用21'57 1°用22'27 30°R 岁 28° 岁 01'59 0°用 5°用17'30	8.74145 AU
morning rise retrograde opposition min. Earth dist. direct evening set conjunction minimum elong	6908 Mar 04 02:55 6908 Mar 20 23:09 6908 Jun 29 19:26 6908 Sep 07 13:49 6908 Sep 07 14:58 6908 Nov 17 01:40 6909 Feb 27 06:42 6909 Mar 16 01:13 6909 Mar 16 01:12	16°\text{\text{\text{29'58}}} 23°\text{\text{\text{\text{40'38}}}} 20°\text{\text{\text{\text{21'50}}}} 20°\text{\text{\text{\text{21'37}}}} 17°\text{\text{\text{\text{01'14}}}} 24°\text{\text{\text{15'45}}} 26°\text{\text{\text{\text{15'50}}}}	-0°37'10 8.86874 AU -0°42'37 0°42'36	opposition min. Earth dist. direct evening set conjunction	6914 Sep 11 10:43 6914 Nov 20 22:13 6914 Nov 20 19:38 6914 Dec 09 09:48 6915 Jan 28 19:53 6915 Mar 18 09:13 6915 May 09 00:17	4°II45'09 1°II21'57 1°II22'27 30°R♥ 28°♥01'59 0°II 5°II17'30 7°II19'51	8.74145 AU -2°04'16
morning rise retrograde opposition min. Earth dist. direct evening set conjunction minimum elong max. Earth dist.	6908 Mar 04 02:55 6908 Mar 20 23:09 6908 Jun 29 19:26 6908 Sep 07 13:49 6908 Sep 07 14:58 6908 Nov 17 01:40 6909 Feb 27 06:42 6909 Mar 16 01:13 6909 Mar 16 01:12 6909 Mar 15 23:42	16°\(\pm\)29'58 23°\(\pm\)40'38 20°\(\pm\)21'50 20°\(\pm\)21'37 17°\(\pm\)01'14 24°\(\pm\)15'45 26°\(\pm\)15'50 26°\(\pm\)15'50 26°\(\pm\)15'23	-0°37'10 8.86874 AU -0°42'37	opposition min. Earth dist. direct evening set conjunction minimum elong	6914 Sep 11 10:43 6914 Nov 20 22:13 6914 Nov 20 19:38 6914 Dec 09 09:48 6915 Jan 28 19:53 6915 Mar 18 09:13 6915 May 09 00:17 6915 May 25 20:16 6915 May 25 20:16	4°Ⅱ45'09 1°Ⅲ21'57 1°Ⅲ22'27 30°ℝ♥ 28°♥01'59 0°Ⅲ 5°Ⅲ17'30 7°Ⅲ19'51 7°Ⅲ19'51	8.74145 AU -2°04'16 2°04'20
morning rise retrograde opposition min. Earth dist. direct evening set conjunction minimum elong	6908 Mar 04 02:55 6908 Mar 20 23:09 6908 Jun 29 19:26 6908 Sep 07 13:49 6908 Sep 07 14:58 6908 Nov 17 01:40 6909 Feb 27 06:42 6909 Mar 16 01:13 6909 Mar 16 01:12 6909 Mar 15 23:42 6909 Apr 01 19:05	16°\(\pm\)29'58 23°\(\pm\)40'38 20°\(\pm\)21'50 20°\(\pm\)21'37 17°\(\pm\)01'14 24°\(\pm\)15'45 26°\(\pm\)15'50 26°\(\pm\)15'50 26°\(\pm\)15'23 28°\(\pm\)15'42	-0°37'10 8.86874 AU -0°42'37 0°42'36	opposition min. Earth dist. direct evening set conjunction minimum elong max. Earth dist.	6914 Sep 11 10:43 6914 Nov 20 22:13 6914 Nov 20 19:38 6914 Dec 09 09:48 6915 Jan 28 19:53 6915 Mar 18 09:13 6915 May 09 00:17 6915 May 25 20:16 6915 May 25 20:16 6915 May 25 23:53	4° II 45'09 1° II 21'57 1° II 22'27 30° R8 28° 8'01'59 0° II 5° II 17'30 7° II 19'51 7° II 19'51 7° II 20'57	8.74145 AU -2°04'16
morning rise retrograde opposition min. Earth dist. direct evening set conjunction minimum elong max. Earth dist. morning rise	6908 Mar 04 02:55 6908 Mar 20 23:09 6908 Jun 29 19:26 6908 Sep 07 13:49 6908 Sep 07 14:58 6908 Nov 17 01:40 6909 Feb 27 06:42 6909 Mar 16 01:13 6909 Mar 16 01:12 6909 Mar 15 23:42 6909 Apr 01 19:05 6909 Apr 16 23:46	16° \(\) 29'58 23° \(\) 40'38 20° \(\) 21'50 20° \(\) 21'37 17° \(\) 01'14 24° \(\) 15'45 26° \(\) 15'50 26° \(\) 15'23 28° \(\) 15'42 0° \(\)	-0°37'10 8.86874 AU -0°42'37 0°42'36	opposition min. Earth dist. direct evening set conjunction minimum elong max. Earth dist. morning rise	6914 Sep 11 10:43 6914 Nov 20 22:13 6914 Nov 20 19:38 6914 Dec 09 09:48 6915 Jan 28 19:53 6915 Mar 18 09:13 6915 May 09 00:17 6915 May 25 20:16 6915 May 25 20:16 6915 May 25 23:53 6915 Jun 11 19:24	4° Π45'09 1° Π21'57 1° Π22'27 30° R 8 28° 8'01'59 0° Π 5° Π17'30 7° Π19'51 7° Π19'51 7° Π20'57 9° Π23'11	8.74145 AU -2°04'16 2°04'20
morning rise retrograde opposition min. Earth dist. direct evening set conjunction minimum elong max. Earth dist.	6908 Mar 04 02:55 6908 Mar 20 23:09 6908 Jun 29 19:26 6908 Sep 07 13:49 6908 Sep 07 14:58 6908 Nov 17 01:40 6909 Feb 27 06:42 6909 Mar 16 01:13 6909 Mar 16 01:12 6909 Mar 15 23:42 6909 Apr 01 19:05	16° \(\pm\)29'58 23° \(\pm\)40'38 20° \(\pm\)21'50 20° \(\pm\)21'37 17° \(\pm\)01'14 24° \(\pm\)15'45 26° \(\pm\)15'50 26° \(\pm\)15'23 28° \(\pm\)15'42 0° \(\pm\) 5° \(\pm\)26'56	-0°37'10 8.86874 AU -0°42'37 0°42'36 10.87832 AU	opposition min. Earth dist. direct evening set conjunction minimum elong max. Earth dist.	6914 Sep 11 10:43 6914 Nov 20 22:13 6914 Nov 20 19:38 6914 Dec 09 09:48 6915 Jan 28 19:53 6915 Mar 18 09:13 6915 May 09 00:17 6915 May 25 20:16 6915 May 25 20:16 6915 May 25 23:53	4°II45'09 1°II21'57 1°II22'27 30°R♥ 28°♥01'59 0°II 5°II17'30 7°II19'51 7°II20'57 9°II23'11 16°II57'12	8.74145 AU -2°04'16 2°04'20 10.70872 AU
morning rise retrograde opposition min. Earth dist. direct evening set conjunction minimum elong max. Earth dist. morning rise	6908 Mar 04 02:55 6908 Mar 20 23:09 6908 Jun 29 19:26 6908 Sep 07 13:49 6908 Sep 07 14:58 6908 Nov 17 01:40 6909 Feb 27 06:42 6909 Mar 16 01:13 6909 Mar 16 01:12 6909 Mar 15 23:42 6909 Apr 01 19:05 6909 Apr 16 23:46	16° \(\) 29'58 23° \(\) 40'38 20° \(\) 21'50 20° \(\) 21'37 17° \(\) 01'14 24° \(\) 15'45 26° \(\) 15'50 26° \(\) 15'23 28° \(\) 15'42 0° \(\)	-0°37'10 8.86874 AU -0°42'37 0°42'36 10.87832 AU	opposition min. Earth dist. direct evening set conjunction minimum elong max. Earth dist. morning rise	6914 Sep 11 10:43 6914 Nov 20 22:13 6914 Nov 20 19:38 6914 Dec 09 09:48 6915 Jan 28 19:53 6915 Mar 18 09:13 6915 May 09 00:17 6915 May 25 20:16 6915 May 25 20:16 6915 May 25 23:53 6915 Jun 11 19:24	4° Π45'09 1° Π21'57 1° Π22'27 30° R 8 28° 8'01'59 0° Π 5° Π17'30 7° Π19'51 7° Π19'51 7° Π20'57 9° Π23'11	8.74145 AU -2°04'16 2°04'20 10.70872 AU

draws Orlow Orlow 10 (1) (1) (1) (1) (1) (1) (1) (1) (1) (1)	min. Earth dist.	6915 Dec 03 13:37	13° Ⅱ 33'41	8.67676 AU		6922 Mar 02 02:35	30°R Ω	
Compane Com	direct	6916 Feb 10 06:15	10° Ⅱ 12'36		direct	6922 Apr 27 03:14	27° Ω 27'23	
	evening set	6916 May 20 10:06	1/°Щ31′35		asa nada			
mm mm compared mode 69 15 mm for 12 mm 69 15 mm for 28 mm 70 15 mm 70 1	conjunction	6016 Jun 06 08:55	10°π35'34	2°00'52				
max. Earth disk. 69 16 Jun 3 12 J. 124 Jun 20 12					evening set	0922 Aug 07 17.07	J 11/1/4/	
morning from 691 May 23 122 27 1744 49 49 1749 49 49 49 49 49 49 49	_				conjunction	6922 Aug 25 14:38	7° m 33'25	0°02'34
Percognicio 0916 Cut 014 2012 2012 2012 1913 2013					v	•		
min. End-bils. direct 6917 [sbe 2] 11.15 25°TIS-94 B 8600° AU mas. Earth dist. 6922 Sep 12 462 56 97,300 b 0.345° AU evening set 6917 Jun 02 10:35 9°E97572 1 cerograde. 6922 Sep 12 467.35 9°B97483 19°12 0 0°21 0 0°31 0 </td <td>•</td> <td>6916 Oct 06 14:20</td> <td>29°Ⅱ20'14</td> <td></td> <td>behind sun begin</td> <td>•</td> <td>7°m 31'07</td> <td></td>	•	6916 Oct 06 14:20	29° Ⅱ 20'14		behind sun begin	•	7° m 31'07	
Servening set 6017 b.m. 2 1801 22'III 495 continue for 6017 b.m. 2 10-35 continue for 6017 b.m. 2 10-35 continue for 6017 b.m. 2 10-35 continue for 6017 b.m. 2 continue for 6017 b.m. 2 6018 b.m. 2 continue for 6017 b.m. 1 6406 continue for 6018 b.m. 1 6406 continue fo	opposition	6916 Dec 15 14:45	25° Ⅱ 55'09	-2°24'07	behind sun end	6922 Aug 25 21:55	7° m 35'43	
Second Composition Compo	min. Earth dist.	6916 Dec 15 11:15	25° Ⅱ 55'49	8.60507 AU	max. Earth dist.	6922 Aug 25 16:58	7° Mp 34'06	10.24577 AU
Post	direct	6917 Feb 21 18:01	22° Ⅱ 34′05		morning rise	6922 Sep 12 14:22	9° m 49'45	
conjunction col17 lan 19 04 66 22 20313 151146 direct col23 May 10 1617 14"pg.270 8.22860 AU minimum clong col17 lan 19 04 60 22"gg.371 151140 creening sec col23 lang 20 136 18"pg.570 creorgade col17 lan 10 102 22"gg.271 102"gg.272 103 col32 creorgade col17 lan 10 102 22"gg.271 102"gg.272 col32 c	evening set	6917 Jun 02 01:50			retrograde	6922 Dec 26 23:29	17° m 52'38	
		6917 Jun 02 10:35	0ංම		**	6923 Mar 04 17:53	14° m 25'01	
minimum ellong min								8.22860 AU
max. Earth dist. 6917 Jul 9 07.17 9 07.17 9 07.17 2 07.04 2 07						•		
monting frice 6917 Lot 6 10.28 4*26 10.29 1.25 2.18 2.18 2.1	_				evening set	6923 Aug 22 01:36	18° Mp 54′07	
Potengiade 0917 Oct 9 2207 11955522 11955525 1196164 1196154				10.56658 AU		(022 G 00 00 51	010 m- 10140	0021120
Poposition GPT Dec 28 15.09 8°529/028 2°0996 max. Earth dist. G923 Sep 0 0 01.44 21°m [0.025 24] 23°m	Č				·	•		
Min. Earth dist. G918 Nar G911 Nar S8 12378 S823002 S.5968 AU morning risc G923 Nov 2 9 10.31 23° \$\text{\$\text{\$\text{\$\$2\$}}\$ \rangle \text{\$\$4\$}	· ·			2000126	C	*		
Fereing serior Fer							-•	10.21332 AU
conjunction 6918 Jun 15 00:02 12°253551 refrograde 6924 Jun 10 00:25 1°203 Jul 10 00:25 1°203 Jul 10 00:25 0°263 Jul 10 00:25 1°203 Jul 10 00:25 2°203 Jul 10 00:25 <				8.32908 AU	morning risc	•	-•	
conjunction 6918 Jul 02 06.23 14**@44349 1**97708 opposition 6924 Mar 17 10.24 28**® 03**02 05*631 AU minimum elong 6918 Jul 02 06.25 14**@4435 1*3712 min. Earth dist. 6924 Mar 17 10.24 28**® 03*20 58.0681 AU max. Earth dist. 6918 Jul 10 16:90 16**@53104 direct 6924 May 23 14:26 24**® 03*5 1**Call Minimum elong 6924 May 23 14:26 0**Call Minimum elong 6918 Jul 10 19:38 1**G**S3104 evening set 6924 May 23 14:26 24**® 36*35 0**S446 retrograde 6919 Jun 10 10:38 21**G**B**1712 8.45432 AU conjunction 6924 Sep 22 13:45 4**\$62236 0**S846 drevening set 6919 Jun 15 16:00 27**@37345 1**1726 eriorgade 6925 May 20 21:31:5 4**\$62236 0**S846 max. Earth dist. 6919 Jul 15 16:02 27**@3745 1**1730 opposition 6925 May 31 04:50 1**\$64123 1**\$2436 1**\$8.43 1**\$4***24**36 1**\$8.43 1**\$4***24**36 1**\$8.43 1**\$4***24**36 1**\$8.43 1**\$4***24**36 0**\$8.46 1****24**36					retrograde			
Conjunction	e venning see	0,10 00.02	.2 -3555.		renograde			
minimum elong 6918 Jul 02 06.25	conjunction	6918 Jul 02 06:23	14°543'49	-1°37'08	opposition			0°56'33
Princing rise 6918 Nut 19 16.59 16°253304 evening set 6924 Sep 04 13.54 2°23539 evening set 6919 Nut 10 19.38 21°651640 -1°4827 evening set 6919 Nut 19 08.38 1°7265400 min. Earth dist. 6919 Nut 19 08.38 1°7265400 min. Earth dist. 6919 Nut 19 08.38 1°7265400 min. Earth dist. 6919 Nut 19 63.83 1°7265400 min. Earth dist. 6924 Sep 22 13.45 4°465230 0°58'46 evening set 6919 Nut 15 16:02 27°633745 1°1726 evening					**			
crograde 6918 Nov 02 09-27 24°Φ31818 evening set 6924 Sep 04 13:54 2°Δ3539	max. Earth dist.	6918 Jul 02 09:26	14°5944'46	10.49107 AU	direct	6924 May 23 14:26	24° m/36'25	
opposition 6919 Jan 10 19:38 21°SI7112 8.4532 AU conjunction 6924 Sep 22 13:45 4°\$£5236 0°5846 direct 6919 Mar 19 08:38 17°SE400 minimum elong 6924 Sep 22 13:45 4°\$£5236 0°5846 evening set 6919 Jun 28 05:15 25°SE2734 max. Earth dist. 6924 Sep 22 13:15 4°\$£5227 12.0187 AU conjunction 6919 Jul 15 16:04 27°SE3745 1°1726 retrograde 6925 Mar 31 04:24 1°\$£4122 1°2838 max. Earth dist. 6919 Jul 15 16:04 27°SE3745 1°1730 opposition 6925 Mar 31 04:24 1°\$£4123 1°2838 max. Earth dist. 6919 Jul 20 30 20°C4 cvening set 6925 Mar 31 04:24 1°\$£4123 1°2838 max. Earth dist. 6919 Aug 03 8:20 0°C cvening set 6925 Sep 19 03:47 16°£4123 18°£423 1°2246 opposition 6920 Jul 28 10.03 4°£11649 1°2124 conjunction 6925 Sep 19 03:47 16°£4123 1°2247 direct 6920 Jul 28 03.11 18 8°£322 4°£1124	morning rise	6918 Jul 19 16:59	16°953'04			6924 Aug 13 23:52	0∘ ⊽	
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direct 6919 Mar 19 08:38 7°©5400 minimum elong 6924 Sep 22 13:42 4°Ф5236 0°5846 evening set 6919 Jun 28 05:15 2°©52734 max. Earth dist. 6924 Sep 22 13:15 4°Ф5273 7200187 AD morning rise 6924 Cet 10 13:59 7°Ф00741 7°Ф0	opposition	6919 Jan 10 19:38	21°516'40	-1°48'27				
cening set 6919 Jun 28 05:15 25°®2734 max. Earth dist. 6924 Sep 22 13:15 4° Δ5227 0.20187 AU 0.20187 AU conjunction 6919 Jul 15 16:02 27°®3745 -1°1726 retrograde 6925 Jun 22 23:51 15° £91122 5° £91122 max. Earth dist. 6919 Jul 15 19:32 27°®3745 1°1730 opposition 6925 Jun 61 13:43 8° Δ1637 8° £9183 morning rise 6919 Aug 02 06:48 29°®4999 0°Ω certograde 6925 Jun 61 13:43 8° Δ1637 8° £1637 retrograde 6919 Aug 03 18:20 0°Ω certograde 6925 Jun 60 13:43 8° Δ1637 8° £1637 opposition 6920 Jun 24 00:20 4°Ω1723 8.38284 AU minimum elong 6925 Oct 07 03:08 18° Δ3541 1°2247 direct 6920 Jun 24 00:30 4°Ω1723 8.38284 AU minimum elong 6925 Oct 07 03:08 18° Δ3541 1°2247 direct 6920 Jul 28 09:11 10°Ω4444 0°5328 0° 63329 0° 625 Oct 07 03:08 18° Δ3541 1°2247 0° 625 Oct 07 03:08 18° Δ3541 1°2247 conjunction 6920 Jul 28 09:13 10° Ω4444 0°5328 0° 6329 0° 625 Oct 07 03:08 18° Δ3541 1° 2247 0° 625 Oct 07 03:08 18° Δ3541 1° 2247 max. Earth dist. <	min. Earth dist.	6919 Jan 10 16:59	21° © 17'12	8.45432 AU	conjunction	6924 Sep 22 13:45	4° £ 52'36	0°58'46
conjunction 6919 Jul 15 16:02 27°€37745 - 1°1726 retrograde 6925 Jan 22 23:51 15°£41122 15°£4112 minimum elong 6919 Jul 15 16:02 27°€37745 - 1°1726 retrograde 6925 Jan 22 23:51 15°£41122 11°£4428 128'88 max. Earth dist. 6919 Aug 03 18:20 20°€48'90 min. Earth dist. 6925 Mar 31 04:50 11°£4423 8.20185 AU mertograde 6919 Aug 03 18:20 0°Ω cevening set 6925 Sep 19 03:47 16°£1855 16°£1855 retrograde 6919 Nov 16 02:42 7°£441 retrograde 6925 Nov 16 02:42 7°£441 retrograde 6925 Nov 10 03:38 18°£3542 1°22'46 opposition 6920 Jan 24 00:58 4°£16'49 - 1°21'24 conjunction 6925 Oct 07 03:08 18°£35341 1°22'46 direct 6920 Jul 28 09:11 10 80.44'46 1°21'24 conjunction 6925 Oct 07 03:08 18°£35341 1°22'46 direct 6920 Jul 28 09:11 10 °84'46 1°53'28 min. Earth dist. 6925 Oct 07 01:30 18°£35341 1°22'46 conjunction <td< td=""><td></td><td></td><td></td><td></td><td>•</td><td>•</td><td></td><td></td></td<>					•	•		
Conjunction G919 Jul 15 16:02 27*S3745 191726 retrograde G925 Jan 22 23:51 15*Δ1122 11*Δ4428 12838 max. Earth dist. G919 Jul 15 19:32 27*S3858 10.41750 AU min. Earth dist. G925 Mar 31 10:424 11*Δ4423 8.20185 AU morning rise G919 Aug 02 16:48 22*S3859 10.41750 AU min. Earth dist. G925 Mar 31 10:450 11*Δ4423 8.20185 AU direct G925 Jun 06 13:43 8*Δ1657 Conjunction G925 Qual 10 18:08 4*Q.11649 172124 conjunction G925 Oct 07 03:05 18*Δ3542 1*2246 direct G920 Jun 24 02:58 4*Q.11649 172124 conjunction G925 Oct 07 03:05 18*Δ3541 1*2247 direct G920 Jun 24 00:09 4*Q.1723 8.38284 AU minimum elong G925 Oct 07 03:05 18*Δ3541 1*2247 direct G920 Jun 24 00:09 4*Q.1723 8.38284 AU minimum elong G925 Oct 07 03:05 18*Δ3541 1*2247 direct G920 Jun 10 18:08 8*Q.33229 morning rise G925 Oct 07 03:05 18*Δ3541 1*2247 direct G920 Jun 28 09:11 10*Q.4446 0*S328 morning rise G926 Cot 25 01:44 20*S2516 20*S2516 20*S2518 20*S2	evening set	6919 Jun 28 05:15	25° © 27'34					10.20187 AU
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**	retrograde	6921 Dec 12 22:54	4° Mp 20′24		minimum elong	6927 Nov 05 00:56	15°M53'22	1°55'32
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	min. Earth dist.	6922 Feb 18 23:50	0° m 53′14	8.26667 AU	morning rise	6927 Nov 22 17:56	18°ML07'38	

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morning rise	6940 Apr 19 16:42	16° Y 56′56		morning rise	6946 Jun 30 23:24	28° Ⅱ 49'26	
retrograde	6940 Jul 30 16:28	24° Y 10′23			6946 Jul 10 22:03	0_{\circ} වෙ	
opposition	6940 Oct 09 02:25	20° Y 50′27	-1°46'28	retrograde	6946 Oct 14 05:36	6°€30′20	
min. Earth dist.	6940 Oct 09 00:41	20° Y 50'46	8.89373 AU	opposition	6946 Dec 23 03:46	3° © 05'31	-2°16'37
direct	6940 Dec 18 03:07	17° Ƴ 31'08		min. Earth dist.	6946 Dec 23 00:55	3° 5 06'04	8.59731 AU
evening set	6941 Mar 29 02:24	24° Ƴ 40'42			6947 Feb 12 03:02	30°Ŗ Ⅱ	
-				direct	6947 Mar 01 03:50	29° ∏ 44'46	
conjunction	6941 Apr 14 18:34	26° Ƴ 39'57	-1°35'30		6947 Mar 18 00:56	0°9	
minimum elong	6941 Apr 14 18:32	26° Ƴ 39'57		evening set	6947 Jun 09 12:48	7° 5 09'03	
max. Earth dist.	6941 Apr 14 20:52		10.88603 AU	evening sec	0) 17 3411 0) 12:10	, 30,03	
	1	28° Y 39'34	10.88003 AU	agnismation	6947 Jun 26 17:10	9° © 15'37	1944!12
morning rise	6941 May 01 11:51			conjunction			
	6941 May 13 03:06	0° 8		minimum elong	6947 Jun 26 17:12	9° © 15'37	
retrograde	6941 Aug 12 00:56	5° 8 56'04		max. Earth dist.	6947 Jun 26 20:22		10.55680 AU
opposition	6941 Oct 21 13:59	2° 8 35'32	-2°06'25	morning rise	6947 Jul 14 01:27	11° © 23'25	
min. Earth dist.	6941 Oct 21 11:13	2° 8 36'03	8.87639 AU	retrograde	6947 Oct 27 15:35	19° © 09'46	
	6941 Nov 30 09:04	30° ŖƳ		opposition	6948 Jan 05 05:16	15°5544'04	-1°58'30
direct	6941 Dec 30 08:57	29° Ƴ 16'31		min. Earth dist.	6948 Jan 05 02:37	15° © 44'36	8.51762 AU
	6942 Jan 28 19:08	6°		direct	6948 Mar 12 21:37	12°522'24	
evening set	6942 Apr 09 23:05	6° 8 26'11		evening set	6948 Jun 21 13:53	19° © 51'58	
8	r			<i>8</i>			
conjunction	6942 Apr 26 15:24	8° 8 25'47	-1°49'40	conjunction	6948 Jul 08 22:26	22° © 00'44	-1°26'48
minimum elong	6942 Apr 26 15:22	8° 8 25'46	1°49'43	minimum elong	6948 Jul 08 22:29		1°26'53
max. Earth dist.	6942 Apr 26 18:57	· · · · ·	10.86096 AU	max. Earth dist.	6948 Jul 09 00:43		10.47731 AU
	=	_	10.80090 AU				10.47731 AU
morning rise	6942 May 13 09:22	10° 8 25'54		morning rise	6948 Jul 26 11:03	24°9510'45	
_	6942 Jun 25 20:20	15° 8		_	6948 Sep 20 09:19	$0^{\circ}\Omega$	
retrograde	6942 Aug 24 14:25	17° 8 46'17		retrograde	6948 Nov 09 06:23	2° Ω 02'07	
	6942 Oct 26 07:59	15°₹ ႘			6948 Dec 30 01:52	30° ₹ 5	
opposition	6942 Nov 03 02:53	14° 8 25'03	-2°21'10	opposition	6949 Jan 17 10:10	28° © 35'39	-1°34'10
min. Earth dist.	6942 Nov 02 23:18	14° 8 25'43	8.84437 AU	min. Earth dist.	6949 Jan 17 08:14	28° © 36'01	8.43872 AU
direct	6943 Jan 11 13:27	11° 8 06'08		direct	6949 Mar 25 19:14	25° © 12'54	
	6943 Mar 23 05:40	15° ∀			6949 Jun 10 23:22	$0^{\circ}\Omega$	
evening set	6943 Apr 21 21:59	18° 8 16'52		evening set	6949 Jul 04 22:15	2° Ω 48'10	
conjunction	6943 May 08 15:03	20° 8 17'07	-1°59'16	conjunction	6949 Jul 22 11:01	4° Ω 59'08	-1°04'46
minimum elong	6943 May 08 15:01	20° 8 17'07	1°59'19	minimum elong	6949 Jul 22 11:03	4° Ω 59'09	1°04'50
max. Earth dist.	6943 May 08 18:42		10.82183 AU	max. Earth dist.	6949 Jul 22 12:17	4°Ω.59'32	10.40080 AU
morning rise	6943 May 25 10:31	22° 8 18'08		morning rise	6949 Aug 09 03:45	7° Ω 11'18	
retrograde	6943 Sep 06 06:09	29° 8 43'04		morning rise	6949 Nov 11 08:58	15° Ω	
•	6943 Nov 15 17:34	26° 8 21'01	2020100	matria ama da	6949 Nov 22 23:30	15° Ω 07'02	
opposition				retrograde			
min. Earth dist.	6943 Nov 15 14:13	26° 8 21'39	8.79885 AU	*,*	6949 Dec 04 13:35	15°RΩ	100.412.2
direct	6944 Jan 23 18:14	23° 8 01'58		opposition	6950 Jan 30 18:15	11° Ω 39'54	
	6944 Apr 30 22:25	$\Pi^{\circ}0$		min. Earth dist.	6950 Jan 30 17:13		8.36502 AU
evening set	6944 May 03 00:19	0° Ⅱ 14'46		direct	6950 Apr 07 23:18	8° Ω 16′02	
					6950 Jul 10 18:16	15° Ω	
conjunction	6944 May 19 18:56	2° Ⅱ 16′04	-2°03'48	evening set	6950 Jul 18 13:58	15° Ω 57'13	
minimum elong	6944 May 19 18:55	2° Ⅱ 16′03	2°03'51				
max. Earth dist.	6944 May 19 22:05	2° Ⅱ 17'01	10.77006 AU	conjunction	6950 Aug 05 06:46	18° Ω 10'14	-0°39'03
morning rise	6944 Jun 05 16:45	4° Ⅱ 18'18		minimum elong	6950 Aug 05 06:47	18° Ω 10′15	0°39'06
retrograde	6944 Sep 18 00:38	11° Ⅱ 48'15		max. Earth dist.	6950 Aug 05 07:41	18° Ω 10'32	10.33149 AU
opposition	6944 Nov 27 10:13	8° Ⅱ 25'19	-2°32'24	morning rise	6950 Aug 23 03:02	20° Ω 24'20	
min. Earth dist.	6944 Nov 27 07:26		8.74130 AU	retrograde	6950 Dec 06 19:27	28° Ω 23'31	
direct	6945 Feb 04 03:01	5° I 105'52	0.74150710	opposition	6951 Feb 13 05:16	24° Ω 55'56	0°31'02
		12° Ⅲ 21'39					8.30059 AU
evening set	6945 May 15 06:56	12 1121 39		min. Earth dist.	6951 Feb 13 04:34		8.30039 AU
	CO45 I 01 04 04	1.40 \$\Pi 2.4122	2002152	direct	6951 Apr 21 08:30	21° Ω 30'57	
conjunction	6945 Jun 01 04:04	14° Ⅱ 24'23		evening set	6951 Aug 01 12:41	29° Ω 17'55	
minimum elong	6945 Jun 01 04:05	14° ∏ 24′23			6951 Aug 07 03:32	0° m	
max. Earth dist.	6945 Jun 01 07:04		10.70712 AU				
morning rise	6945 Jun 18 04:51	16° Ⅱ 28'12		conjunction	6951 Aug 19 08:57	1°₩32'44	-0°10'57
retrograde	6945 Oct 01 00:47	24° Ⅱ 03'30		minimum elong	6951 Aug 19 08:57	1°My32'44	0°10'58
opposition	6945 Dec 10 05:30	20° ∏ 39′38	-2°27'58	behind sun begin	6951 Aug 19 03:32	1°My31'02	
min. Earth dist.	6945 Dec 10 02:58	20° Ⅱ 40′07	8.67326 AU	behind sun end	6951 Aug 19 14:23	1°M 34'26	
direct	6946 Feb 16 13:53	17° Ⅱ 19'36		max. Earth dist.	6951 Aug 19 09:49	1°m/33'00	10.27306 AU
evening set	604634 25 10 41	24° ∏ 39'14		morning rise	6951 Sep 06 07:50	3° m/48'22	
	6946 May 27 18:41	24 11 39 14					
<i>8</i>	6946 May 27 18:41	24 11 39 14		-	6951 Dec 20 18:26	11° m 49'56	
-	•		-1°56'19	retrograde	6951 Dec 20 18:26 6952 Jan 09 04:42	11° Mp 49'56 11° Mp 29'51	
conjunction	6946 Jun 13 19:09	26° Ⅱ 43'44		retrograde asc. node	6952 Jan 09 04:42	11° m 29'51	0°04'38
-	•	26°∏43'44 26°∏43'45		retrograde			0°04'38 8.24880 AU

direct	6952 May 03 21:02	4° m 56'03			6059 May 17 06:59	200pM	
direct	,			in Frank diet	6958 May 17 06:58	30°RM	0 20707 ATT
evening set	6952 Aug 14 17:47	12° Mp 48'29		min. Earth dist.	6958 May 17 22:55	29°M56'48	8.29787 AU
				direct	6958 Jul 25 12:17	26°M28'53	
conjunction	6952 Sep 01 16:26	15° Mp 04'36	0°18'08		6958 Sep 29 13:52	0°⊀	
minimum elong	6952 Sep 01 16:25	15° Mp 04'35	0°18'08	evening set	6958 Nov 08 09:22	4° ҂ 29'33	
max. Earth dist.	6952 Sep 01 17:00	15° Mp 04'46	10.22857 AU				
morning rise	6952 Sep 19 16:41	17° Mp 21'15		conjunction	6958 Nov 26 01:01	6° ∡ ¹42'28	2°03'25
retrograde	6953 Jan 02 19:37	25° Mp 23′56		minimum elong	6958 Nov 26 01:01	6° ∡¹ 42'27	2°03'29
opposition	6953 Mar 11 10:19	21°M 56'05	0°40'26	max. Earth dist.	6958 Nov 25 22:12	6° ⊀ 41'34	10.32679 AU
min. Earth dist.	6953 Mar 11 09:52	21°M 56'11	8.21246 AU	morning rise	6958 Dec 13 13:07	8° ₰ ′54′20	
direct	6953 May 17 13:32	18° m 29'08		retrograde	6959 Mar 25 05:24	16° ∡ ³37'29	
evening set	6953 Aug 29 03:44	26° m 26'19		opposition	6959 May 31 09:09	13° ҂ 14'05	2°32'01
Č	Č	ì		min. Earth dist.	6959 May 31 10:55	13° ∡ 13'44	8.36116 AU
conjunction	6953 Sep 16 03:34	28° m 43'11	0°46'20	direct	6959 Aug 08 09:44	9° ∡ 146'21	
minimum elong	6953 Sep 16 03:32	28° mp 43'10	0°46'21	evening set	6959 Nov 22 07:20	17° × ⁷ 43'05	
max. Earth dist.	6953 Sep 16 03:32	28° m 43'09		evening set	0737 1107 22 07.20	17 🗡 43 03	
max. Lattii dist.	6953 Sep 26 04:36	ე∘ ი	10.20034 AU	conjunction	6959 Dec 09 20:10	19° ∡ 754'18	2°00'16
	•			v			
morning rise	6953 Oct 04 03:59	1° Ω 00'18		minimum elong	6959 Dec 09 20:11	19° ₹ 54'18	2°00'20
retrograde	6954 Jan 16 19:53	9° Ω 02'45		max. Earth dist.	6959 Dec 09 17:38	19° ∡ 53′30	10.39520 AU
opposition	6954 Mar 25 03:19	5° £ 35'09	1°14'10	morning rise	6959 Dec 27 05:01	22° ҂ 04'21	
min. Earth dist.	6954 Mar 25 03:30	5° ≏ 35'07	8.19364 AU	retrograde	6960 Apr 06 10:45	29° ҂ 741'30	
direct	6954 May 31 10:13	2° ≏ 07'25		opposition	6960 Jun 12 18:31	26° ₰ 19'11	2°24'02
evening set	6954 Sep 12 16:41	10° ≏ 08'20		min. Earth dist.	6960 Jun 12 20:36	26° ⊀ 18'46	8.43346 AU
				direct	6960 Aug 21 02:48	22° ⋠ 52′12	
conjunction	6954 Sep 30 16:30	12° ≙ 25'21	1°12'03		6960 Nov 28 21:02	0°ರ	
minimum elong	6954 Sep 30 16:27	12° ≏ 25'20	1°12'04	evening set	6960 Dec 04 21:52	0° る 43'48	
max. Earth dist.	6954 Sep 30 15:07	12° £ 24'55	10.19059 AU	Ü			
morning rise	6954 Oct 18 15:58	14° ≏ 42'19		conjunction	6960 Dec 22 07:49	2°る53'15	1°50'58
retrograde	6955 Jan 30 18:32	22° £ 43'11		minimum elong	6960 Dec 22 07:51	2° ප 53'16	1°51'02
opposition	6955 Apr 07 20:56	19° £ 16'05	1°43'47	max. Earth dist.	6960 Dec 22 05:11		10.47086 AU
min. Earth dist.	6955 Apr 07 22:15	19° ⊆ 15'49	8.19333 AU	morning rise	6961 Jan 08 13:47	5° そ 01'31	10.47000 AC
	6955 Jun 14 09:39	15° ⊆ 47'47	6.19333 AU	•		12° る 32'38	
direct				retrograde	6961 Apr 19 09:14		2000155
evening set	6955 Sep 27 06:51	23° ≏ 51'04		opposition	6961 Jun 26 00:36	9°る11'22	2°08'55
				min. Earth dist.	6961 Jun 26 03:01	9° ට 10'53	8.51103 AU
conjunction	6955 Oct 15 05:31	26° ≏ 07'42	1°33'40	direct	6961 Sep 03 17:52	5° ⋜ 45'15	
minimum elong	6955 Oct 15 05:28	26° ≏ 07'41	1°33'42	evening set	6961 Dec 18 04:52	13° る 30'58	
max. Earth dist.	6955 Oct 15 02:50	26° ≏ 06'50	10.19919 AU				
morning rise	6955 Nov 02 02:58	28° ≏ 23'57		conjunction	6962 Jan 04 12:05	15° る 38'39	1°36'18
	6955 Nov 15 04:32	0° M.		minimum elong	6962 Jan 04 12:07	15° ට 38'40	1°36'22
retrograde	6956 Feb 13 14:54	6°M21'53		max. Earth dist.	6962 Jan 04 09:07	15° ට 37'44	10.54989 AU
opposition	6956 Apr 20 14:14	2°M55'30	2°07'26	morning rise	6962 Jan 21 15:34	17° පි 45'11	
min. Earth dist.	6956 Apr 20 16:17	2°M55'05	8.21146 AU	retrograde	6962 May 02 02:29	25° る 10'36	
	6956 Jun 02 12:46	30° Ŗ Ω		opposition	6962 Jul 09 03:04	21° る 50'13	1°47'47
direct	6956 Jun 27 10:08	29° £ 26'54		min. Earth dist.	6962 Jul 09 05:16	21° る 49'48	8.58992 AU
direct	6956 Jul 22 07:11	0° M		direct	6962 Sep 17 04:56	18° る 25'06	0.50772710
evening set	6956 Oct 10 19:42	7°M31'00		evening set	6962 Dec 31 04:23	26°පි04'32	
evening set	0930 Oct 10 19.42	/ 11631 00		evening set	0902 Dec 31 04.23	20 00432	
:	(05(0-+ 20 1(-2(9° M 46'44	1°49'57	conjunction	(0(2 I 17 00.0)	28° ප 10'31	1°17'14
conjunction	6956 Oct 28 16:26			3	6963 Jan 17 09:06		
minimum elong	6956 Oct 28 16:24	9°M46'43	1°50'00	minimum elong	6963 Jan 17 09:08	28°る10'31	1°17'17
max. Earth dist.	6956 Oct 28 13:03		10.22591 AU	max. Earth dist.	6963 Jan 17 06:27		10.62829 AU
morning rise	6956 Nov 15 11:07	12°M01'49			6963 Feb 01 07:11	0° ≈	
	6956 Dec 10 09:52	15°M		morning rise	6963 Feb 03 10:19	0°≈15'25	
retrograde	6957 Feb 26 08:03	19°M55'40		retrograde	6963 May 14 17:16	7° ≈ 35'45	
opposition	6957 May 04 06:36	16°M30'09	2°23'48	opposition	6963 Jul 22 02:15	4° ≈ 16′06	1°21'57
min. Earth dist.	6957 May 04 08:46	16°M29'43	8.24700 AU	min. Earth dist.	6963 Jul 22 03:29	4°≈15'51	8.66622 AU
	6957 May 23 11:30	15°RM₊		direct	6963 Sep 30 10:18	0° ≈ 52'01	
direct	6957 Jul 11 11:45	13°ML01'35		evening set	6964 Jan 12 20:42	8° ≈ 25'06	
	6957 Aug 28 16:51	15°M					
evening set	6957 Oct 25 05:00	21°M04'46		conjunction	6964 Jan 29 23:07	10° ≈ 29'29	0°54'52
2. J	3,2, 300 23 03.00	IIVUT TU		minimum elong	6964 Jan 29 23:08	10°≈29'30	0°54'55
conjunction	6957 Nov 11 23:20	23°M19'13	2°00'00	max. Earth dist.	6964 Jan 29 21:41	10 ≈2930 10°≈29'03	10.70214 AU
•							10.70214 AU
minimum elong	6957 Nov 11 23:18	23°M19'13	2°00'03	morning rise	6964 Feb 15 22:12	12°≈32'55	
max. Earth dist.	6957 Nov 11 19:58		10.26928 AU	_	6964 Mar 08 07:50	15° ≈	
morning rise	6957 Nov 29 14:49	25°M32'48		retrograde	6964 May 26 04:16	19° ≈ 49'03	
				_			
	6958 Jan 07 20:42	0° ₹		opposition	6964 Aug 02 22:14	16° ≈ 29'54	0°52'48
retrograde		3° ₹ 21'39		opposition min. Earth dist.	6964 Aug 02 22:45	16°≈29'54 16°≈29'48	0°52'48 8.73617 AU
retrograde opposition	6958 Jan 07 20:42		2°32'03		•		

	60 5 6 X 1 0 5 14 10	60000115		F 4 F	600 2 G 10 05 50	2207 0417	10.01100.177
morning rise	6976 Jul 07 14:19	6°902'45		max. Earth dist.	6982 Sep 10 05:58	-•	10.21192 AU
retrograde	6976 Oct 21 00:27	13°5947'44	2007/27	morning rise	6982 Sep 28 06:05	25° Mp 21'10	
opposition min. Earth dist.	6976 Dec 29 18:54 6976 Dec 29 16:29	10°521'48	8.52948 AU	rotro aro do	6982 Nov 08 03:55	0° ჲ 3° ჲ 24'15	
direct	6977 Mar 07 14:56	6°959'56	6.32946 AU	retrograde	6983 Jan 11 03:33 6983 Mar 18 22:58		
evening set	6977 Jun 16 03:23	0 \$3936 14°\$28'07		opposition	6983 Mar 19 14:16	30°R My 29° My 56'53	0°59'53
evening set	09// Juli 10 03.23	14 32807		min. Earth dist.	6983 Mar 19 14:10	29° m 56'58	8.20340 AU
conjunction	6977 Jul 03 10:07	16° © 36'11	-1°35'00	direct	6983 May 25 19:19	26° m 29'53	8.20340 AU
minimum elong	6977 Jul 03 10:10	16°936'12		direct	6983 Jul 29 10:59	0° ⊡	
max. Earth dist.	6977 Jul 03 13:27		10.49043 AU	evening set	6983 Sep 06 18:42	ა _ 4° ჲ 29'31	
morning rise	6977 Jul 20 20:56	18°945'30	10.47045 710	evening set	0703 Sep 00 10.42	7 — 2731	
retrograde	6977 Nov 03 13:43	26° © 35'41		conjunction	6983 Sep 24 18:38	6° ≏ 46'32	1°01'16
opposition	6978 Jan 11 22:50	23°509'00	-1°45'43	minimum elong	6983 Sep 24 18:35	6° £ 46'31	1°01'17
min. Earth dist.	6978 Jan 11 20:02	23° © 09'33		max. Earth dist.	6983 Sep 24 18:39		10.19876 AU
direct	6978 Mar 20 11:21	19° 5 46'17		morning rise	6983 Oct 12 18:43	9° £ 03'37	
evening set	6978 Jun 29 08:45	27° © 19'53		retrograde	6984 Jan 25 03:09	17° £ 05'26	
Ü				opposition	6984 Apr 01 08:08	13° ≏ 38'32	1°31'30
conjunction	6978 Jul 16 19:51	29° © 30'09	-1°15'01	min. Earth dist.	6984 Apr 01 07:58	13° ≏ 38'34	8.19928 AU
minimum elong	6978 Jul 16 19:53	29° © 30'09	1°15'06	direct	6984 Jun 07 18:15	10° £ 10'59	
max. Earth dist.	6978 Jul 16 23:37	29°531'20	10.41590 AU	evening set	6984 Sep 20 09:01	18° ≏ 13'19	
	6978 Jul 20 19:11	$0^{\circ}\Omega$		•	•		
morning rise	6978 Aug 03 10:45	1° Ω 41'37		conjunction	6984 Oct 08 08:20	20° ₽ 30'06	1°24'50
retrograde	6978 Nov 17 06:44	9° Ω 36′27		minimum elong	6984 Oct 08 08:17	20° £ 30'05	1°24'52
opposition	6979 Jan 25 06:06	6° Ω 09'12	-1°18'12	max. Earth dist.	6984 Oct 08 07:45	20° £ 29'55	10.20283 AU
min. Earth dist.	6979 Jan 25 03:01	6° Ω 09'49	8.38078 AU	morning rise	6984 Oct 26 06:38	22° ≏ 46'37	
direct	6979 Apr 02 12:58	2° Ω 45'34			6985 Jan 09 00:31	0° M	
evening set	6979 Jul 12 21:50	10° Ω 24'55		retrograde	6985 Feb 07 01:37	0°M45'54	
					6985 Mar 08 06:59	30° ₽ Ω	
conjunction	6979 Jul 30 13:05	12° Ω 37'17	-0°50'44	opposition	6985 Apr 15 01:56	27° ≙ 19'38	1°57'54
minimum elong	6979 Jul 30 13:07	12° Ω 37'18	0°50'48	min. Earth dist.	6985 Apr 15 02:30	27° ≏ 19'31	8.21194 AU
max. Earth dist.	6979 Jul 30 16:30		10.34724 AU	direct	6985 Jun 21 17:56	23° ≙ 51'41	
morning rise	6979 Aug 17 07:49	14° Ω 50'46			6985 Sep 19 03:28	0°M₊	
	6979 Aug 18 13:49	15° Ω		evening set	6985 Oct 04 22:55	1° M 55'21	
retrograde	6979 Dec 01 03:12	22° Ω 49'24					
opposition	6980 Feb 07 16:25	19° Ω 21'47		conjunction	6985 Oct 22 20:39	4°M11'26	1°43'32
min. Earth dist.	6980 Feb 07 13:43	19° Ω 22'20	8.31627 AU	minimum elong	6985 Oct 22 20:37	4°M11'25	1°43'35
direct	6980 Apr 14 19:16	15° Ω 57'13		max. Earth dist.	6985 Oct 22 18:46		10.22298 AU
evening set	6980 Jul 25 18:20	23° Ω 42′23		morning rise	6985 Nov 09 16:24	6°M26'57	
	(000 4 12 12 10	250 0 5 6120	0000107	retrograde	6986 Feb 20 21:44	14°M22'35	2017/20
conjunction	6980 Aug 12 13:10	25° £ 56'38		opposition	6986 Apr 28 18:58	10°M57'09	
minimum elong	6980 Aug 12 13:11	25° £ 56'38		min. Earth dist.	6986 Apr 28 20:46	10°M56'47	8.23990 AU
max. Earth dist.	6980 Aug 12 15:23		10.28824 AU	direct	6986 Jul 05 18:37 6986 Oct 15 00:45	7°M29'03	
morning rise	6980 Aug 30 11:01	28° Ω 11'49 0° m		avanina aat	6986 Oct 15 00:45	15°M 15°M32'40	
retrograde	6980 Sep 14 08:52 6980 Dec 14 02:41	6° Mp 13'12		evening set	0980 Oct 19 10.24	13 11632 40	
opposition	6981 Feb 20 05:41	2° Mp 45'27	0°11'06	conjunction	6986 Nov 06 05:52	17° M 47'39	1°56'19
min. Earth dist.	6981 Feb 20 03:59		8.26331 AU	minimum elong	6986 Nov 06 05:50	17°M47'39	1°56'23
mm. Darm dist.	6981 Apr 01 00:47	2 11/43 48 30°RΩ	0.20331 AU	max. Earth dist.	6986 Nov 06 02:34		1 30 23 10.25787 AU
direct	6981 Apr 28 06:06	29° Ω 20'00		morning rise	6986 Nov 23 22:38	20°M01'51	10.23707710
	6981 May 25 08:26	0°m/		retrograde	6987 Mar 06 12:42	27°M52'57	
asc. node	6981 Jun 16 17:57	1° m)28'13		opposition	6987 May 12 10:44	24°M28'28	2°29'17
evening set	6981 Aug 08 21:24	7° m) 10'42		min. Earth dist.	6987 May 12 13:40	24°M27'53	8.28193 AU
Ü	C	•		direct	6987 Jul 19 20:08	21°M00'28	
conjunction	6981 Aug 26 18:58	9° m 26'24	0°05'31	evening set	6987 Nov 02 17:42	29°M02'28	
minimum elong	6981 Aug 26 18:58	9° m 26'24	0°05'29	C	6987 Nov 10 09:51	0° ≯	
behind sun begin	6981 Aug 26 11:56	9° m 24'11					
behind sun end	6981 Aug 27 02:00	9° m 28'37		conjunction	6987 Nov 20 10:25	1° √ 16′02	2°02'36
max. Earth dist.	6981 Aug 26 20:15	9° ™ 26'47	10.24225 AU	minimum elong	6987 Nov 20 10:24	1° √ 16′02	2°02'40
morning rise	6981 Sep 13 18:52	11° m 42'49		max. Earth dist.	6987 Nov 20 05:57	1° ∡ 14'37	10.30638 AU
retrograde	6981 Dec 28 03:42	19° m 45'44		morning rise	6987 Dec 07 23:58	3° ≯ 28'39	
opposition	6982 Mar 05 21:15	16° Mp 18'06	0°24'57	retrograde	6988 Mar 18 23:12	11° ∡ 14'27	
min. Earth dist.	6982 Mar 05 20:20	16°Mp18'17	8.22498 AU	opposition	6988 May 25 00:23	7° ₰ 50'58	2°32'48
direct	6982 May 11 22:18	12° m 51'48		min. Earth dist.	6988 May 25 03:52	7° ∡ 750′16	8.33669 AU
evening set	6982 Aug 23 06:07	20° m 47'28		direct	6988 Aug 01 19:52	4° ≯ 23′16	
				evening set	6988 Nov 15 19:00	12° ≯ 22'04	
conjunction	6982 Sep 10 05:26	23° Mp 04'06	0°34'16			= -	
minimum elong	6982 Sep 10 05:24	23° Mp 04'06	0°34'16	conjunction	6988 Dec 03 08:54	14° ∡ ³34′02	2°02'13

minimum elong	6988 Dec 03 08:54	14° ∡ ³34′02	2°02'18	behind sun end	6995 Feb 17 18:48	29° ≈ 49′00	
max. Earth dist.	6988 Dec 03 04:03	14° ∡ ³32'30	10.36673 AU	max. Earth dist.	6995 Feb 17 15:46	29° ≈ 48′06	10.78628 AU
morning rise	6988 Dec 20 19:17	16° ∡ ⁴44'55			6995 Feb 19 07:05	0° ∀	
retrograde	6989 Apr 01 05:31	24° ₹ ¹24'55		morning rise	6995 Mar 06 13:24	1° ¥ 50′03	
opposition	6989 Jun 07 11:21	21° ₹ 02'21	2°28'09	retrograde	6995 Jun 14 22:58	9°) €02'04	
min. Earth dist.	6989 Jun 07 14:26	21° ₹ 01'44	8.40173 AU	opposition	6995 Aug 23 07:19	5°) 42′50	0°03'26
direct	6989 Aug 15 16:29	17° ∡ ³35′10		min. Earth dist.	6995 Aug 23 07:03	5°) 42′53	8.81173 AU
evening set	6989 Nov 29 13:07	25° ₹ 29'22		desc. node	6995 Oct 03 05:32	3° ¥ 02'52	
				direct	6995 Nov 01 22:26	2° ∺ 20'45	
conjunction	6989 Dec 17 00:20	27° ∡ 39'39	1°55'28	evening set	6996 Feb 12 20:02	9°) 40′10	
minimum elong	6989 Dec 17 00:22	27° ∡ ³39'39 −	1°55'32				
max. Earth dist.	6989 Dec 16 20:09	27° ∡ ³38′20	10.43592 AU	conjunction	6996 Feb 29 17:06	11°) (41′22	
morning rise	6990 Jan 03 07:43	29° ∡ 48'46		minimum elong	6996 Feb 29 17:06	11°) (41'22	0°10'11
	6990 Jan 04 20:30	0°る		behind sun begin	6996 Feb 29 11:27	11°) (39'41	
retrograde	6990 Apr 14 06:43	7°る22'45	2015150	behind sun end	6996 Feb 29 22:44	11°) (43'03	10.02424 444
opposition	6990 Jun 20 19:05	4°る01'04	2°15'58	max. Earth dist.	6996 Feb 29 17:34		10.83434 AU
min. Earth dist.	6990 Jun 20 21:35	4°₹00'34	8.47365 AU	morning rise	6996 Mar 17 12:12	13°) (42'04	
direct	6990 Aug 29 09:45	0°る34'32		retrograde	6996 Jun 26 04:16	20°) 52'45	0007150
evening set	6990 Dec 12 23:45	8° る 23'11		opposition	6996 Sep 03 20:53	17°) (33'33	
	(000 D 20 00-20	100=21142	1942/50	min. Earth dist.	6996 Sep 03 20:04 6996 Nov 13 10:11	1/° X 33'42 14° X 12'20	8.85357 AU
conjunction	6990 Dec 30 08:20	10° පි 31'43 10° පි 31'44	1°42'59 1°43'03	direct	6997 Feb 23 18:56	21° H 27'44	
minimum elong	6990 Dec 30 08:22			evening set	0997 Feb 23 18:30	21° π 2/'44	
max. Earth dist.	6990 Dec 30 05:04		10.51022 AU		(007 Mar. 12, 14.00	220 1 20102	0925114
morning rise	6991 Jan 16 12:53 6991 Apr 27 03:28	12°る39'04 20°る07'13		conjunction minimum elong	6997 Mar 12 14:09 6997 Mar 12 14:08	23°\(\frac{1}{2}28'02\) 23°\(\frac{1}{2}28'01\)	
retrograde opposition	6991 Apr 27 03:28 6991 Jul 03 23:20	20 3 07 13	1°57'15	max. Earth dist.	6997 Mar 12 14:53		10.86933 AU
min. Earth dist.	6991 Jul 04 01:31	16 346 19 16° 3 45'53	8.54874 AU	morning rise	6997 Mar 29 08:13	25° X 28'01	10.80933 AU
direct	6991 Sep 11 22:09	10 043 33 13° る 20'34	6.34674 AU	morning rise	6997 May 11 15:40	23 π 2801 0° Υ	
evening set	6991 Dec 26 02:39	13 82034 21° 8 03'03		retrograde	6997 Jul 08 09:32	2° Υ 38'31	
evening set	0991 DCC 20 02.39	21 003 03		retrograde	6997 Sep 07 05:14	2 1 30 31 30°R ∺	
conjunction	6992 Jan 12 08:39	23° る 09'53	1°25'40	opposition	6997 Sep 16 08:52	29°)(19'13	-0°57'47
minimum elong	6992 Jan 12 08:41	23°る09'54	1°25'43	min. Earth dist.	6997 Sep 16 08:32	29°) 19'23	8.88168 AU
max. Earth dist.	6992 Jan 12 06:05		10.58589 AU	direct	6997 Nov 25 19:47	25°) 58'46	0.00100710
morning rise	6992 Jan 29 10:44	25° る 15'34	10.50507 110	anoct	6998 Feb 06 16:37	0°Υ	
morning 115¢	6992 Mar 13 13:40	0°≈		evening set	6998 Mar 07 15:33	3° Υ 11'09	
retrograde	6992 May 08 20:15	2°≈38'21		•			
retrograde	6992 May 08 20:15 6992 Jul 06 21:14	2°≈38'21 30°Rる		conjunction	6998 Mar 24 09:12	5° Ƴ 10'48	-0°58'40
	•	2°≈38'21 30°Ŗる 29°る18'05	1°33'15	conjunction minimum elong		5° Υ 10'48 5° Υ 10'48	-0°58'40 0°58'41
retrograde opposition min. Earth dist.	6992 Jul 06 21:14	30°R₹	1°33'15 8.62342 AU	conjunction minimum elong max. Earth dist.	6998 Mar 24 09:12	5° Ƴ 10'48	
opposition	6992 Jul 06 21:14 6992 Jul 16 00:15	30°Rる 29°る18'05		minimum elong	6998 Mar 24 09:12 6998 Mar 24 09:10	5° Ƴ 10'48	0°58'41
opposition min. Earth dist.	6992 Jul 06 21:14 6992 Jul 16 00:15 6992 Jul 16 02:35	30°Rる 29°る18'05 29°る17'38		minimum elong max. Earth dist.	6998 Mar 24 09:12 6998 Mar 24 09:10 6998 Mar 24 09:56	5° Υ 10'48 5° Υ 11'01	0°58'41
opposition min. Earth dist.	6992 Jul 06 21:14 6992 Jul 16 00:15 6992 Jul 16 02:35 6992 Sep 24 04:49	30°Rる 29°る18'05 29°る17'38 25°る53'13		minimum elong max. Earth dist. morning rise	6998 Mar 24 09:12 6998 Mar 24 09:10 6998 Mar 24 09:56 6998 Apr 10 02:38	5°Υ10'48 5°Υ11'01 7°Υ10'22	0°58'41 10.88985 AU
opposition min. Earth dist. direct	6992 Jul 06 21:14 6992 Jul 16 00:15 6992 Jul 16 02:35 6992 Sep 24 04:49 6992 Dec 06 18:29	30°R♂ 29°♂18'05 29°♂17'38 25°♂53'13 0°≈		minimum elong max. Earth dist. morning rise retrograde	6998 Mar 24 09:12 6998 Mar 24 09:10 6998 Mar 24 09:56 6998 Apr 10 02:38 6998 Jul 20 14:01	5°Y10'48 5°Y11'01 7°Y10'22 14°Y21'51 11°Y02'16	0°58'41 10.88985 AU
opposition min. Earth dist. direct	6992 Jul 06 21:14 6992 Jul 16 00:15 6992 Jul 16 02:35 6992 Sep 24 04:49 6992 Dec 06 18:29	30°R♂ 29°♂18'05 29°♂17'38 25°♂53'13 0°≈		minimum elong max. Earth dist. morning rise retrograde opposition	6998 Mar 24 09:12 6998 Mar 24 09:10 6998 Mar 24 09:56 6998 Apr 10 02:38 6998 Jul 20 14:01 6998 Sep 28 20:12	5°Y10'48 5°Y11'01 7°Y10'22 14°Y21'51 11°Y02'16	0°58'41 10.88985 AU -1°25'08
opposition min. Earth dist. direct evening set	6992 Jul 06 21:14 6992 Jul 16 00:15 6992 Jul 16 02:35 6992 Sep 24 04:49 6992 Dec 06 18:29 6993 Jan 06 22:00	30°Rで 29°で18'05 29°で17'38 25°で553'13 0°≈ 3°≈29'20	8.62342 AU	minimum elong max. Earth dist. morning rise retrograde opposition min. Earth dist.	6998 Mar 24 09:12 6998 Mar 24 09:10 6998 Mar 24 09:56 6998 Apr 10 02:38 6998 Jul 20 14:01 6998 Sep 28 20:12 6998 Sep 28 18:55	5°Y10'48 5°Y11'01 7°Y10'22 14°Y21'51 11°Y02'16 11°Y02'30	0°58'41 10.88985 AU -1°25'08
opposition min. Earth dist. direct evening set conjunction	6992 Jul 06 21:14 6992 Jul 16 00:15 6992 Jul 16 02:35 6992 Sep 24 04:49 6992 Dec 06 18:29 6993 Jan 06 22:00 6993 Jan 24 01:29	30°Rで 29°で18'05 29°で17'38 25°で53'13 0°≈ 3°≈29'20 5°≈34'32 5°≈34'32	8.62342 AU 1°04'34	minimum elong max. Earth dist. morning rise retrograde opposition min. Earth dist. direct	6998 Mar 24 09:12 6998 Mar 24 09:10 6998 Mar 24 09:56 6998 Apr 10 02:38 6998 Jul 20 14:01 6998 Sep 28 20:12 6998 Sep 28 18:55 6998 Dec 08 02:33	5°Y10'48 5°Y11'01 7°Y10'22 14°Y21'51 11°Y02'16 11°Y02'30 7°Y42'26	0°58'41 10.88985 AU -1°25'08
opposition min. Earth dist. direct evening set conjunction minimum elong	6992 Jul 06 21:14 6992 Jul 16 00:15 6992 Jul 16 02:35 6992 Sep 24 04:49 6992 Dec 06 18:29 6993 Jan 06 22:00 6993 Jan 24 01:29 6993 Jan 24 01:31	30°Rで 29°で18'05 29°で17'38 25°で53'13 0°≈ 3°≈29'20 5°≈34'32 5°≈34'32	8.62342 AU 1°04'34 1°04'36	minimum elong max. Earth dist. morning rise retrograde opposition min. Earth dist. direct	6998 Mar 24 09:12 6998 Mar 24 09:10 6998 Mar 24 09:56 6998 Apr 10 02:38 6998 Jul 20 14:01 6998 Sep 28 20:12 6998 Sep 28 18:55 6998 Dec 08 02:33	5°Y10'48 5°Y11'01 7°Y10'22 14°Y21'51 11°Y02'16 11°Y02'30 7°Y42'26	0°58'41 10.88985 AU -1°25'08 8.89492 AU
opposition min. Earth dist. direct evening set conjunction minimum elong max. Earth dist.	6992 Jul 06 21:14 6992 Jul 16 00:15 6992 Jul 16 02:35 6992 Sep 24 04:49 6992 Dec 06 18:29 6993 Jan 06 22:00 6993 Jan 24 01:29 6993 Jan 24 01:31 6993 Jan 23 22:51	30°Rで 29°で18'05 29°で17'38 25°で53'13 0°≈ 3°≈29'20 5°≈34'32 5°≈34'32 5°≈33'43	8.62342 AU 1°04'34 1°04'36	minimum elong max. Earth dist. morning rise retrograde opposition min. Earth dist. direct evening set	6998 Mar 24 09:12 6998 Mar 24 09:10 6998 Mar 24 09:56 6998 Apr 10 02:38 6998 Jul 20 14:01 6998 Sep 28 20:12 6998 Sep 28 18:55 6998 Dec 08 02:33 6999 Mar 19 10:51 6999 Apr 05 03:29 6999 Apr 05 03:27	5°Y10'48 5°Y11'01 7°Y10'22 14°Y21'51 11°Y02'16 11°Y02'30 7°Y42'26 14°Y52'51 16°Y52'07	0°58'41 10.88985 AU -1°25'08 8.89492 AU -1°19'37 1°19'39
opposition min. Earth dist. direct evening set conjunction minimum elong max. Earth dist. morning rise	6992 Jul 06 21:14 6992 Jul 16 00:15 6992 Jul 16 02:35 6992 Sep 24 04:49 6992 Dec 06 18:29 6993 Jan 06 22:00 6993 Jan 24 01:29 6993 Jan 24 01:31 6993 Jan 23 22:51 6993 Feb 10 01:33 6993 May 21 07:09 6993 Jul 28 21:37	30°Rで 29°で18'05 29°で17'38 25°で53'13 0°≈ 3°≈29'20 5°≈34'32 5°≈34'32 5°≈33'43 7°≈38'43	8.62342 AU 1°04'34 1°04'36	minimum elong max. Earth dist. morning rise retrograde opposition min. Earth dist. direct evening set conjunction minimum elong max. Earth dist.	6998 Mar 24 09:12 6998 Mar 24 09:10 6998 Mar 24 09:56 6998 Apr 10 02:38 6998 Jul 20 14:01 6998 Sep 28 20:12 6998 Sep 28 18:55 6998 Dec 08 02:33 6999 Mar 19 10:51 6999 Apr 05 03:29 6999 Apr 05 03:27 6999 Apr 05 05:18	5°Y10'48 5°Y11'01 7°Y10'22 14°Y21'51 11°Y02'16 11°Y02'30 7°Y42'26 14°Y52'51 16°Y52'07 16°Y52'07	0°58'41 10.88985 AU -1°25'08 8.89492 AU -1°19'37
opposition min. Earth dist. direct evening set conjunction minimum elong max. Earth dist. morning rise retrograde opposition min. Earth dist.	6992 Jul 06 21:14 6992 Jul 16 00:15 6992 Jul 16 02:35 6992 Sep 24 04:49 6992 Dec 06 18:29 6993 Jan 06 22:00 6993 Jan 24 01:29 6993 Jan 24 01:31 6993 Jan 23 22:51 6993 Feb 10 01:33 6993 May 21 07:09 6993 Jul 28 21:37 6993 Jul 28 23:43	30°Rで 29°で18'05 29°で17'38 25°で53'13 0°≈ 3°≈29'20 5°≈34'32 5°≈33'43 7°≈38'43 14°≈56'52 11°≈37'07 11°≈36'43	1°04'34 1°04'36 10.65931 AU	minimum elong max. Earth dist. morning rise retrograde opposition min. Earth dist. direct evening set conjunction minimum elong max. Earth dist. morning rise	6998 Mar 24 09:12 6998 Mar 24 09:10 6998 Mar 24 09:56 6998 Apr 10 02:38 6998 Jul 20 14:01 6998 Sep 28 20:12 6998 Sep 28 18:55 6998 Dec 08 02:33 6999 Mar 19 10:51 6999 Apr 05 03:29 6999 Apr 05 03:27 6999 Apr 05 05:18 6999 Apr 21 20:35	5°Y10'48 5°Y11'01 7°Y10'22 14°Y21'51 11°Y02'16 11°Y02'30 7°Y42'26 14°Y52'51 16°Y52'07 16°Y52'07 16°Y52'40 18°Y51'33	0°58'41 10.88985 AU -1°25'08 8.89492 AU -1°19'37 1°19'39
opposition min. Earth dist. direct evening set conjunction minimum elong max. Earth dist. morning rise retrograde opposition	6992 Jul 06 21:14 6992 Jul 16 00:15 6992 Jul 16 02:35 6992 Sep 24 04:49 6992 Dec 06 18:29 6993 Jan 06 22:00 6993 Jan 24 01:29 6993 Jan 24 01:31 6993 Jan 23 22:51 6993 Feb 10 01:33 6993 May 21 07:09 6993 Jul 28 21:37 6993 Jul 28 23:43 6993 Oct 07 07:00	30°Rで 29°で18'05 29°で17'38 25°で53'13 0°≈ 3°≈29'20 5°≈34'32 5°≈34'32 5°≈33'43 7°≈38'43 14°≈56'52 11°≈37'07 11°≈36'43 8°≈13'08	8.62342 AU 1°04'34 1°04'36 10.65931 AU 1°05'21	minimum elong max. Earth dist. morning rise retrograde opposition min. Earth dist. direct evening set conjunction minimum elong max. Earth dist. morning rise retrograde	6998 Mar 24 09:12 6998 Mar 24 09:10 6998 Mar 24 09:56 6998 Apr 10 02:38 6998 Jul 20 14:01 6998 Sep 28 20:12 6998 Sep 28 18:55 6998 Dec 08 02:33 6999 Mar 19 10:51 6999 Apr 05 03:29 6999 Apr 05 03:27 6999 Apr 05 05:18 6999 Apr 21 20:35 6999 Aug 01 20:26	5°Y10'48 5°Y11'01 7°Y10'22 14°Y21'51 11°Y02'16 11°Y02'30 7°Y42'26 14°Y52'51 16°Y52'07 16°Y52'40 18°Y51'33 26°Y05'10	0°58'41 10.88985 AU -1°25'08 8.89492 AU -1°19'37 1°19'39 10.89513 AU
opposition min. Earth dist. direct evening set conjunction minimum elong max. Earth dist. morning rise retrograde opposition min. Earth dist.	6992 Jul 06 21:14 6992 Jul 16 00:15 6992 Jul 16 02:35 6992 Sep 24 04:49 6992 Dec 06 18:29 6993 Jan 06 22:00 6993 Jan 24 01:29 6993 Jan 24 01:31 6993 Jan 23 22:51 6993 Feb 10 01:33 6993 May 21 07:09 6993 Jul 28 21:37 6993 Jul 28 23:43 6993 Oct 07 07:00 6994 Jan 13 08:33	30°Rで 29°で18'05 29°で17'38 25°で53'13 0°≈ 3°≈29'20 5°≈34'32 5°≈34'32 5°≈33'43 7°≈38'43 14°≈56'52 11°≈37'07 11°≈36'43 8°≈13'08 15°≈	8.62342 AU 1°04'34 1°04'36 10.65931 AU 1°05'21	minimum elong max. Earth dist. morning rise retrograde opposition min. Earth dist. direct evening set conjunction minimum elong max. Earth dist. morning rise retrograde opposition	6998 Mar 24 09:12 6998 Mar 24 09:10 6998 Mar 24 09:56 6998 Apr 10 02:38 6998 Jul 20 14:01 6998 Sep 28 20:12 6998 Sep 28 18:55 6998 Dec 08 02:33 6999 Mar 19 10:51 6999 Apr 05 03:27 6999 Apr 05 03:27 6999 Apr 05 05:18 6999 Apr 21 20:35 6999 Aug 01 20:26 6999 Oct 11 07:24	5°Y10'48 5°Y11'01 7°Y10'22 14°Y21'51 11°Y02'16 11°Y02'30 7°Y42'26 14°Y52'51 16°Y52'07 16°Y52'07 16°Y52'40 18°Y51'33 26°Y05'10 22°Y45'06	0°58'41 10.88985 AU -1°25'08 8.89492 AU -1°19'37 1°19'39 10.89513 AU
opposition min. Earth dist. direct evening set conjunction minimum elong max. Earth dist. morning rise retrograde opposition min. Earth dist.	6992 Jul 06 21:14 6992 Jul 16 00:15 6992 Jul 16 02:35 6992 Sep 24 04:49 6992 Dec 06 18:29 6993 Jan 06 22:00 6993 Jan 24 01:29 6993 Jan 24 01:31 6993 Jan 23 22:51 6993 Feb 10 01:33 6993 May 21 07:09 6993 Jul 28 21:37 6993 Jul 28 23:43 6993 Oct 07 07:00	30°Rで 29°で18'05 29°で17'38 25°で53'13 0°≈ 3°≈29'20 5°≈34'32 5°≈34'32 5°≈33'43 7°≈38'43 14°≈56'52 11°≈37'07 11°≈36'43 8°≈13'08	8.62342 AU 1°04'34 1°04'36 10.65931 AU 1°05'21	minimum elong max. Earth dist. morning rise retrograde opposition min. Earth dist. direct evening set conjunction minimum elong max. Earth dist. morning rise retrograde opposition min. Earth dist.	6998 Mar 24 09:12 6998 Mar 24 09:10 6998 Mar 24 09:56 6998 Apr 10 02:38 6998 Jul 20 14:01 6998 Sep 28 20:12 6998 Sep 28 18:55 6998 Dec 08 02:33 6999 Mar 19 10:51 6999 Apr 05 03:29 6999 Apr 05 03:27 6999 Apr 05 05:18 6999 Apr 21 20:35 6999 Aug 01 20:26 6999 Oct 11 07:24 6999 Oct 11 04:50	5°Y10'48 5°Y11'01 7°Y10'22 14°Y21'51 11°Y02'16 11°Y02'30 7°Y42'26 14°Y52'51 16°Y52'07 16°Y52'07 16°Y52'40 18°Y51'33 26°Y05'10 22°Y45'06 22°Y45'35	0°58'41 10.88985 AU -1°25'08 8.89492 AU -1°19'37 1°19'39 10.89513 AU
opposition min. Earth dist. direct evening set conjunction minimum elong max. Earth dist. morning rise retrograde opposition min. Earth dist. direct evening set	6992 Jul 06 21:14 6992 Jul 16 00:15 6992 Jul 16 02:35 6992 Sep 24 04:49 6992 Dec 06 18:29 6993 Jan 06 22:00 6993 Jan 24 01:29 6993 Jan 24 01:31 6993 Jan 23 22:51 6993 Feb 10 01:33 6993 May 21 07:09 6993 Jul 28 21:37 6993 Jul 28 23:43 6993 Oct 07 07:00 6994 Jan 13 08:33 6994 Jan 19 10:48	30°R♂ 29°♂18'05 29°♂17'38 25°♂53'13 0°≈ 3°≈29'20 5°≈34'32 5°≈34'32 5°≈33'43 7°≈38'43 14°≈56'52 11°≈37'07 11°≈36'43 8°≈13'08 15°≈ 15°≈43'08	1°04'34 1°04'36 10.65931 AU 1°05'21 8.69419 AU	minimum elong max. Earth dist. morning rise retrograde opposition min. Earth dist. direct evening set conjunction minimum elong max. Earth dist. morning rise retrograde opposition min. Earth dist. direct	6998 Mar 24 09:12 6998 Mar 24 09:10 6998 Mar 24 09:56 6998 Apr 10 02:38 6998 Jul 20 14:01 6998 Sep 28 20:12 6998 Sep 28 18:55 6998 Dec 08 02:33 6999 Mar 19 10:51 6999 Apr 05 03:29 6999 Apr 05 03:27 6999 Apr 05 05:18 6999 Apr 21 20:35 6999 Aug 01 20:26 6999 Oct 11 07:24 6999 Oct 11 04:50 6999 Dec 20 08:51	5°Y10'48 5°Y11'01 7°Y10'22 14°Y21'51 11°Y02'16 11°Y02'30 7°Y42'26 14°Y52'51 16°Y52'07 16°Y52'07 16°Y52'40 18°Y51'33 26°Y05'10 22°Y45'06 22°Y45'35 19°Y25'46	0°58'41 10.88985 AU -1°25'08 8.89492 AU -1°19'37 1°19'39 10.89513 AU
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opposition min. Earth dist. direct evening set conjunction minimum elong max. Earth dist. morning rise retrograde opposition min. Earth dist. direct evening set conjunction minimum elong max. Earth dist. morning rise retrograde opposition min. Earth dist. morning rise retrograde opposition min. Earth dist. direct evening set	6992 Jul 06 21:14 6992 Jul 16 00:15 6992 Jul 16 02:35 6992 Sep 24 04:49 6992 Dec 06 18:29 6993 Jan 06 22:00 6993 Jan 24 01:29 6993 Jan 24 01:31 6993 Jan 23 22:51 6993 Feb 10 01:33 6993 May 21 07:09 6993 Jul 28 21:37 6993 Jul 28 23:43 6993 Oct 07 07:00 6994 Jan 13 08:33 6994 Jan 19 10:48 6994 Feb 05 11:55 6994 Feb 05 11:55 6994 Feb 05 09:35 6994 Feb 05 09:35 6994 Feb 02 10:12 6994 Jun 02 15:24 6994 Aug 10 16:50 6994 Oct 20 06:13 6995 Feb 17 16:50	30°R♂ 29°♂18'05 29°♂17'38 25°♂53'13 0°≈ 3°≈29'20 5°≈34'32 5°≈34'32 5°≈34'32 5°≈38'43 14°≈56'52 11°≈37'07 11°≈36'43 8°≈13'08 15°≈ 15°≈46'49 17°≈46'49 17°≈46'49 23°≈44'45 23°≈44'45 23°≈44'32 20°≈21'41 27°≈46'04	1°04'34 1°04'36 10.65931 AU 1°05'21 8.69419 AU 0°40'48 0°40'50 10.72710 AU 0°34'57 8.75787 AU	minimum elong max. Earth dist. morning rise retrograde opposition min. Earth dist. direct evening set conjunction minimum elong max. Earth dist. morning rise retrograde opposition min. Earth dist. direct evening set conjunction min. Earth dist. direct evening set conjunction minimum elong max. Earth dist. morning rise retrograde opposition minimum elong max. Earth dist.	6998 Mar 24 09:12 6998 Mar 24 09:56 6998 Mar 24 09:56 6998 Apr 10 02:38 6998 Jul 20 14:01 6998 Sep 28 20:12 6998 Sep 28 18:55 6998 Dec 08 02:33 6999 Mar 19 10:51 6999 Apr 05 03:29 6999 Apr 05 03:27 6999 Apr 05 05:18 6999 Apr 21 20:35 6999 Apr 21 20:35 6999 Apr 21 20:35 6999 Oct 11 07:24 6999 Oct 11 07:24 6999 Oct 11 04:50 6999 Dec 20 08:51 7000 Mar 31 06:18 7000 Apr 16 22:32 7000 Apr 16 22:32 7000 Apr 17 01:46 7000 Apr 28 20:18 7000 May 03 15:44 7000 Aug 14 07:23 7000 Oct 23 19:00 7000 Oct 23 15:36 7001 Jan 01 13:13	5°Y10'48 5°Y11'01 7°Y10'22 14°Y21'51 11°Y02'16 11°Y02'30 7°Y42'26 14°Y52'51 16°Y52'07 16°Y52'07 16°Y52'40 18°Y51'33 26°Y05'10 22°Y45'06 22°Y45'35 19°Y25'46 26°Y35'13 28°Y34'29 28°Y34'29 28°Y34'28 28°Y35'27 0°8 0°834'05 7°850'44 4°830'05 4°830'43 1°811'03	0°58'41 10.88985 AU -1°25'08 8.89492 AU -1°19'37 1°19'39 10.89513 AU -1°48'57 8.89279 AU -1°37'16 1°37'19 10.88500 AU
opposition min. Earth dist. direct evening set conjunction minimum elong max. Earth dist. morning rise retrograde opposition min. Earth dist. direct evening set conjunction minimum elong max. Earth dist. morning rise retrograde opposition min. Earth dist. morning rise retrograde opposition min. Earth dist. direct evening set	6992 Jul 06 21:14 6992 Jul 16 00:15 6992 Jul 16 02:35 6992 Sep 24 04:49 6992 Dec 06 18:29 6993 Jan 06 22:00 6993 Jan 24 01:29 6993 Jan 24 01:31 6993 Jan 23 22:51 6993 Feb 10 01:33 6993 May 21 07:09 6993 Jul 28 21:37 6993 Jul 28 23:43 6993 Oct 07 07:00 6994 Jan 13 08:33 6994 Jan 19 10:48 6994 Feb 05 11:55 6994 Feb 05 11:56 6994 Feb 05 09:35 6994 Feb 22 10:12 6994 Jun 02 15:24 6994 Aug 10 15:42 6994 Aug 10 16:50 6994 Oct 20 06:13 6995 Jan 31 17:49	30°R♂ 29°♂18'05 29°♂17'38 25°♂53'13 0°≈ 3°≈29'20 5°≈34'32 5°≈34'32 5°≈34'32 5°≈34'43 14°≈56'52 11°≈36'43 8°≈13'08 15°≈ 15°≈46'49 17°≈46'49 17°≈46'49 23°≈44'45 23°≈44'45 23°≈44'45	1°04'34 1°04'36 10.65931 AU 1°05'21 8.69419 AU 0°40'48 0°40'50 10.72710 AU 0°34'57 8.75787 AU	minimum elong max. Earth dist. morning rise retrograde opposition min. Earth dist. direct evening set conjunction minimum elong max. Earth dist. morning rise retrograde opposition min. Earth dist. direct evening set conjunction min. Earth dist. direct evening set conjunction minimum elong max. Earth dist. morning rise retrograde opposition minimum elong max. Earth dist.	6998 Mar 24 09:12 6998 Mar 24 09:56 6998 Mar 24 09:56 6998 Apr 10 02:38 6998 Jul 20 14:01 6998 Sep 28 20:12 6998 Sep 28 18:55 6998 Dec 08 02:33 6999 Mar 19 10:51 6999 Apr 05 03:29 6999 Apr 05 03:27 6999 Apr 05 05:18 6999 Apr 05 05:18 6999 Apr 21 20:35 6999 Apr 21 20:35 6999 Apr 10 10:26 6999 Oct 11 07:24 6999 Oct 11 07:24 6999 Oct 11 04:50 6999 Dec 20 08:51 7000 Mar 31 06:18 7000 Apr 16 22:32 7000 Apr 16 22:29 7000 Apr 17 01:46 7000 Apr 28 20:18 7000 Aug 14 07:23 7000 Oct 23 19:00 7000 Oct 23 19:00 7000 Oct 23 15:36	5°Y10'48 5°Y11'01 7°Y10'22 14°Y21'51 11°Y02'16 11°Y02'30 7°Y42'26 14°Y52'51 16°Y52'07 16°Y52'07 16°Y52'40 18°Y51'33 26°Y05'10 22°Y45'06 22°Y45'35 19°Y25'46 26°Y35'13 28°Y34'29 28°Y34'28 28°Y34'28 0°\S3'05 7°\S50'44 4°\S30'05 4°\S30'05 4°\S30'43	0°58'41 10.88985 AU -1°25'08 8.89492 AU -1°19'37 1°19'39 10.89513 AU -1°48'57 8.89279 AU -1°37'16 1°37'19 10.88500 AU

conjunction	7001 Apr 28 19:20	10° 8 20'11	-1°50'54	conjunction	7007 Jul 12 02:50	23° © 54'27	-1°24'30
minimum elong	7001 Apr 28 19:18	10° 8 20'10	1°50'57	minimum elong	7007 Jul 12 02:53	23° © 54'28	1°24'34
max. Earth dist.	7001 Apr 28 22:55	10° 8 21'15	10.85995 AU	max. Earth dist.	7007 Jul 12 04:29	23° 9 54'58	10.48002 AU
morning rise	7001 May 15 13:26	12° 8 20'20		morning rise	7007 Jul 29 15:47	26°904'30	
Č	7001 Jun 08 06:20	15° 8		Ü	7007 Sep 02 10:38	$0^{\circ}\Omega$	
retrograde	7001 Aug 26 18:52	19° 8 40'48		retrograde	7007 Nov 12 09:51	3° Ω 55'38	
•	Č		2022110	~			1021104
opposition	7001 Nov 05 07:51	16° 8 19'29		opposition	7008 Jan 20 14:13	0° Ω 29'15	
min. Earth dist.	7001 Nov 05 04:28		8.84344 AU	min. Earth dist.	7008 Jan 20 12:52	0° Ω 29'31	8.44148 AU
	7001 Nov 23 10:46	15°₹ ႘			7008 Jan 26 18:39	30° ₹ 5	
direct	7002 Jan 13 16:49	13° 8 00'31		direct	7008 Mar 27 23:57	27° © 06'32	
	7002 Mar 04 01:16	15° ႘			7008 May 25 10:35	$0^{\circ}\Omega$	
evening set	7002 Apr 24 02:00	20° 8 11'11		evening set	7008 Jul 07 02:31	4° Ω 41'45	
evening see	, 002.1p1 2. 02.00	20 01111		evening sec	7000 041 07 02.31	. 00.11 .5	
	7002 1/ 10 10 04	220 🗸 1 1127	1050154		7000 I I 24 15 26	60.052145	1002107
conjunction	7002 May 10 19:04	22° 8 11'27		conjunction	7008 Jul 24 15:36	6° Ω 52'45	
minimum elong	7002 May 10 19:03	22° 8 11'27		minimum elong	7008 Jul 24 15:38	6° Ω 52'45	
max. Earth dist.	7002 May 10 22:15	_	10.82098 AU	max. Earth dist.	7008 Jul 24 16:49		10.40365 AU
morning rise	7002 May 27 14:48	24° 8 12'30		morning rise	7008 Aug 11 08:33	9° Ω 04'55	
	7002 Jul 25 07:47	$\Pi^{\circ}0$			7008 Oct 06 23:04	15° Ω	
retrograde	7002 Sep 08 09:52	1° Ⅱ 37'30		retrograde	7008 Nov 25 02:35	17° Ω 00′25	
	7002 Oct 24 15:59	30° ₹ 8			7009 Jan 14 05:21	15°RΩ	
opposition	7002 Nov 17 22:26	28° 8 15'23	2020124	opposition	7009 Feb 01 21:57	13° Ω 33'24	1001/04
				* *			
min. Earth dist.	7002 Nov 17 19:25		8.79815 AU	min. Earth dist.	7009 Feb 01 21:02	13° Ω 33'34	8.36782 AU
direct	7003 Jan 25 23:33	24° 8 56'17		direct	7009 Apr 10 03:59	10° Ω 09'35	
	7003 Apr 17 09:49	Π $^{\circ}0$			7009 Jun 26 14:06	15° Ω	
evening set	7003 May 06 04:19	2° 耳 09'01		evening set	7009 Jul 20 18:21	17° Ω 50'43	
	•						
conjunction	7003 May 22 23:07	4° Ⅱ 10′21	-2°03'47	conjunction	7009 Aug 07 11:27	20° Ω 03'47	-0°36'09
•	•	4° Ⅱ 10′21		minimum elong	•	20°Ω03'47	
minimum elong	7003 May 22 23:07			Č	7009 Aug 07 11:29		
max. Earth dist.	7003 May 23 02:42		10.76959 AU	max. Earth dist.	7009 Aug 07 12:49		10.33426 AU
morning rise	7003 Jun 08 21:08	6° Ⅱ 12'38		morning rise	7009 Aug 25 07:47	22° Ω 17'52	
retrograde	7003 Sep 21 05:38	13° Ⅱ 42'38			7009 Nov 21 04:21	0° m y	
opposition	7003 Nov 30 15:03	10° Ⅲ 19'38	-2°32'00	retrograde	7009 Dec 08 23:48	0° m/ 16'50	
min. Earth dist.	7003 Nov 30 11:50	10° Ⅲ 20′15	8.74117 AU		7009 Dec 26 20:46	30° R Ω	
direct	7004 Feb 07 07:35	7° Ⅱ 00'11		opposition	7010 Feb 15 08:48	26° Ω 49'20	-0°27'21
evening set	7004 May 17 10:55	14° Ⅱ 15'52		min. Earth dist.	7010 Feb 15 07:43	26° Ω 49'33	8.30328 AU
evening set	7004 May 17 10.33	14 ш13 32					6.30326 AU
		—		direct	7010 Apr 23 11:38	23° Ω 24'26	
conjunction	7004 Jun 03 08:23	16° Ⅱ 18'38	-2°02'14		7010 Jul 24 23:23	0° ™	
minimum elong	7004 Jun 03 08:24	16° Ⅱ 18'39	2°02'18	evening set	7010 Aug 03 17:07	1°Mp11'24	
max. Earth dist.	7004 Jun 03 12:34	16° Ⅱ 19'55	10.70742 AU				
morning rise	7004 Jun 20 09:19	18° Ⅲ 22'30		conjunction	7010 Aug 21 13:32	3°M 26'12	-0°07'58
retrograde	7004 Oct 03 05:22	25° Ⅱ 57'48		minimum elong	7010 Aug 21 13:32	3°m)26'12	
opposition	7004 Dec 12 10:10	22° I 33'53	2°26'47	behind sun begin	7010 Aug 21 07:03	3° m/24'10	0 00 00
				•		-•	
min. Earth dist.	7004 Dec 12 06:41		8.67411 AU	behind sun end	7010 Aug 21 20:01	3° Tp 28'14	10.00000 177
direct	7005 Feb 18 18:31	19° Ⅱ 13'52		max. Earth dist.	7010 Aug 21 14:39	-•	10.27568 AU
evening set	7005 May 29 22:54	26° Ⅲ 33'22		morning rise	7010 Sep 08 12:22	5°Mp41'49	
				asc. node	7010 Dec 03 11:53	13° m ∕22'54	
conjunction	7005 Jun 15 23:38	28° Ⅲ 37'54	-1°55'04	retrograde	7010 Dec 22 23:35	13° m /43'11	
minimum elong	7005 Jun 15 23:40	28° Ⅲ 37'55	1°55'08	opposition	7011 Feb 28 22:16	10° Mp 15'26	0°08'19
max. Earth dist.	7005 Jun 16 03:35	28°∏39'07	10.63627 AU	min. Earth dist.	7011 Feb 28 21:28	10° m 15'36	8.25137 AU
man. Bartir diot.	7005 Jun 27 03:48	0 ೨೦ ೨೦	10.03027110	direct	7011 May 06 23:54	6° Mp 49'28	0.20107110
					•		
morning rise	7005 Jul 03 04:06	0°543'38		evening set	7011 Aug 17 22:21	14° m 41'57	
retrograde	7005 Oct 16 10:45	8° © 24'22					
opposition	7005 Dec 25 08:09	4° © 59'34	-2°14'42	conjunction	7011 Sep 04 21:01	16° Mp 58′02	0°21'02
min. Earth dist.	7005 Dec 25 04:57	5° © 00'11	8.59917 AU	minimum elong	7011 Sep 04 21:00	16° Mp 58'01	0°21'02
direct	7006 Mar 03 07:51	1°538'49		max. Earth dist.	7011 Sep 04 21:05	16° m 58'03	10.23111 AU
evening set	7006 Jun 11 17:05	9°902'57		morning rise	7011 Sep 22 21:15	19° m 14'40	
		. = 3= 27		retrograde	7012 Jan 05 23:26	27° m) 17'07	
aaniumatian	7006 Jun 20 21:25	1106200122	1042122			-	0042154
conjunction	7006 Jun 28 21:35	11°509'32		opposition	7012 Mar 13 13:41	23° Mp 49'23	0°43'54
minimum elong	7006 Jun 28 21:38	11° © 09'33		min. Earth dist.	7012 Mar 13 13:46	23° m 49'22	8.21495 AU
max. Earth dist.	7006 Jun 29 00:14		10.55906 AU	direct	7012 May 19 17:17	20° m 22'28	
morning rise	7006 Jul 16 06:12	13° © 17'23		evening set	7012 Aug 31 08:25	28° m 19'44	
retrograde	7006 Oct 29 21:02	21° © 03'31			7012 Sep 13 13:31	0∘ ⊽	
opposition	7007 Jan 07 09:32	17°937'53	-1°55'56		•		
min. Earth dist.	7007 Jan 07 07:19	17° © 38'19		conjunction	7012 Sep 18 08:07	0° ჲ 36'34	0°49'00
direct	7007 Mar 16 00:38	14°916'13	5.52507 110	minimum elong	7012 Sep 18 08:07 7012 Sep 18 08:05	0° ⊆ 36'33	0°49'01
				•	•		
evening set	7007 Jun 24 18:05	21° © 45'40		max. Earth dist.	7012 Sep 18 06:51	0° <u>11</u> 36'09	10.20298 AU
				morning rice	/DT2 Det 06 08:31	ランエンススペスク	

morning rise

7012 Oct 06 08:31

2°**♀**53'37

. 1	7012 1 10 22 17	100 0 55150			7010 F 1 26 14 40	007	
retrograde	7013 Jan 18 23:17	10° £ 55'50	1017115		7019 Feb 26 14:49	0°る	
opposition	7013 Mar 27 06:39	7° £ 28'22		retrograde	7019 Apr 09 12:53	1°る32'35	
min. Earth dist.	7013 Mar 27 07:48	7° £ 28'08	8.19603 AU	*,*	7019 May 22 09:35	30°₹ ⋌ 7	202212.5
direct	7013 Jun 02 13:49	4° £ 00'39		opposition	7019 Jun 15 21:36	28° 🗷 10'16	
evening set	7013 Sep 14 21:17	12° ≏ 01'38		min. Earth dist.	7019 Jun 16 00:22	28°×709'43	8.43370 AU
				direct	7019 Aug 24 06:52	24° × ⁷ 43'13	
conjunction	7013 Oct 02 20:53	14° £ 18'36	1°14'19		7019 Nov 16 00:49	0°る	
minimum elong	7013 Oct 02 20:51	14° £ 18'35		evening set	7019 Dec 08 01:06	2° る 34'44	
max. Earth dist.	7013 Oct 02 18:24		10.19289 AU			_	
morning rise	7013 Oct 20 20:16	16° ≙ 35'29		conjunction	7019 Dec 25 10:51	4° ろ 44'08	1°49'30
retrograde	7014 Feb 01 21:56	24° ≏ 36′08		minimum elong	7019 Dec 25 10:53	4° る 44'08	1°49'35
opposition	7014 Apr 10 00:12	21° ≏ 09'07		max. Earth dist.	7019 Dec 25 07:21		10.47084 AU
min. Earth dist.	7014 Apr 10 02:05	21° ≏ 08'44	8.19560 AU	morning rise	7020 Jan 11 16:49	6° る 52'22	
direct	7014 Jun 16 13:16	17° ≏ 40'51		retrograde	7020 Apr 21 10:50	14° る 23'23	
evening set	7014 Sep 29 11:14	25° ≏ 44'10		opposition	7020 Jun 28 03:39	11° る 02'04	2°06'47
				min. Earth dist.	7020 Jun 28 06:07	11° る 01'36	8.51076 AU
conjunction	7014 Oct 17 09:45	28° ≙ 00'43	1°35'25	direct	7020 Sep 05 22:33	7° る 35'56	
minimum elong	7014 Oct 17 09:42	28° ≏ 00'42	1°35'27	evening set	7020 Dec 20 07:48	15° る 21'33	
max. Earth dist.	7014 Oct 17 06:39	27° ≙ 59'43	10.20135 AU				
	7014 Nov 02 01:09	0° M .		conjunction	7021 Jan 06 14:56	17° る 29'12	1°34'19
morning rise	7014 Nov 04 07:03	0°M16'54		minimum elong	7021 Jan 06 14:58	17° る 29'13	1°34'23
retrograde	7015 Feb 15 17:58	8°M14'36		max. Earth dist.	7021 Jan 06 11:53	17° る 28'15	10.54944 AU
opposition	7015 Apr 23 17:22	4°M48'16	2°09'14	morning rise	7021 Jan 23 18:22	19° る 35'43	
min. Earth dist.	7015 Apr 23 19:23	4° M ₊47'52	8.21352 AU	retrograde	7021 May 04 05:40	27° る 01'07	
direct	7015 Jun 30 14:41	1°MJ19'42		opposition	7021 Jul 11 06:11	23° る 40'41	1°45'04
evening set	7015 Oct 13 23:54	9°M23'47		min. Earth dist.	7021 Jul 11 07:41	23° る 40'23	8.58925 AU
				direct	7021 Sep 19 08:14	20° る 15'33	
conjunction	7015 Oct 31 20:34	11°MJ39'26	1°51'05	evening set	7022 Jan 02 07:01	27° る 54'52	
minimum elong	7015 Oct 31 20:31	11°MJ39'25	1°51'08	Č			
max. Earth dist.	7015 Oct 31 17:23	11°ML38'25	10.22778 AU	conjunction	7022 Jan 19 11:46	0°≈00'51	1°14'50
morning rise	7015 Nov 18 14:59	13°ML54'27		minimum elong	7022 Jan 19 11:48	0°≈00'52	1°14'54
. 8	7015 Nov 27 11:52	15° M ₊		max. Earth dist.	7022 Jan 19 09:58	0°≈00'18	10.62752 AU
retrograde	7016 Feb 29 10:17	21°ML48'04			7022 Jan 19 08:59	0° ≈	
opposition	7016 May 06 09:39	18°M22'36	2°24'48	morning rise	7022 Feb 05 12:52	2°≈05'45	
min. Earth dist.	7016 May 06 11:31	18°ML22'13	8.24865 AU	retrograde	7022 May 16 20:18	9° ≈ 26'09	
min. Darvir diot.	7016 Jul 03 01:35	15°RML	0.2 1000 110	opposition	7022 Jul 24 05:26	6°≈06'26	1°18'48
direct	7016 Jul 13 16:08	14°ML54'01		min. Earth dist.	7022 Jul 24 06:13	6°≈06'17	8.66529 AU
	7016 Jul 24 04:56	15°ML		direct	7022 Oct 02 12:55	2°≈42'22	0.00027110
evening set	7016 Oct 27 09:01	22°M57'09		evening set	7023 Jan 14 23:20	10°≈15'24	
evening sec	7010 000 27 05.01	22 11037 07		evening sec	7023 Juli 11 23.20	10 /0/15 21	
conjunction	7016 Nov 14 03:14	25°M11'31	2°00'28	conjunction	7023 Feb 01 01:43	12° ≈ 19'47	0°52'10
minimum elong	7016 Nov 14 03:13	25°MJ11'31	2°00'32	minimum elong	7023 Feb 01 01:45	12° ≈ 19'48	0°52'13
max. Earth dist.	7016 Nov 14 00:20	25°M10'36	10.27068 AU	max. Earth dist.	7023 Feb 01 00:53	12° ≈ 19'32	10.70123 AU
morning rise	7016 Dec 01 18:22	27°M25'01		morning rise	7023 Feb 18 00:42	14° ≈ 23'13	
Č	7016 Dec 23 08:56	0° ∡ ¹		C	7023 Feb 23 04:51	15° ≈	
retrograde	7017 Mar 14 00:02	5° х 13′40		retrograde	7023 May 29 07:40	21° ≈ 39'27	
opposition	7017 May 20 00:13	1° ∡ ⁴49'10	2°32'13	opposition	7023 Aug 06 01:32	18° ≈ 20'17	0°49'22
min. Earth dist.	7017 May 20 02:03	1° ≯ ¹48'48	8.29903 AU	min. Earth dist.	7023 Aug 06 02:14	18° ≈ 20'09	8.73531 AU
	7017 Jun 12 20:56	30°RM			7023 Oct 08 02:01	15°R≈	
direct	7017 Jul 27 15:09	28°M20'52		direct	7023 Oct 15 12:49	14° ≈ 57'16	
	7017 Sep 09 19:58	0° ∡¹			7023 Oct 22 22:49	15° ≈	
evening set	7017 Nov 10 13:05	6° х 21′26		evening set	7024 Jan 27 09:32	22° ≈ 24'18	
C				Č			
conjunction	7017 Nov 28 04:34	8° ∡ ³34'17	2°03'12	conjunction	7024 Feb 13 09:33	24° ≈ 27'15	0°27'28
minimum elong	7017 Nov 28 04:34	8° ∡ ³34'17	2°03'17	minimum elong	7024 Feb 13 09:34	24° ≈ 27'15	0°27'30
max. Earth dist.	7017 Nov 28 01:48	8° ∡ ³33'25	10.32771 AU	max. Earth dist.	7024 Feb 13 08:43	24° ≈ 27′00	10.76712 AU
morning rise	7017 Dec 15 16:25	10° х 46′04		morning rise	7024 Mar 01 06:49	26° ≈ 29'23	
retrograde	7018 Mar 27 09:24	18° ₹ ′29′03		-	7024 Apr 02 02:12	0° ∀	
opposition	7018 Jun 02 12:17	15° ∡ ¹05'37	2°31'21	retrograde	7024 Jun 09 15:28	3°) 42′28	
min. Earth dist.	7018 Jun 02 14:40	15° ∡ °05′09	8.36186 AU	opposition	7024 Aug 17 18:48	0°) 23′40	0°18'12
direct	7018 Aug 10 12:01	11° ∡ ³37'50		min. Earth dist.	7024 Aug 17 19:38	0°) €23'30	8.79600 AU
evening set	7018 Nov 24 10:46	19° ∡ ³34'27			7024 Aug 23 00:25	30°R≈	
S		,		direct	7024 Oct 27 07:32	27°≈01'35	
conjunction	7018 Dec 11 23:23	21° ∡ ⁴45'37	1°59'24		7024 Dec 28 07:26	0°) €	
minimum elong	7018 Dec 11 23:24	21° ∡ ¹45'37	1°59'29	evening set	7025 Feb 07 14:22	4°) €23'17	
max. Earth dist.	7018 Dec 11 20:08		10.39566 AU	J			
morning rise	7018 Dec 29 08:09	23° х 55'38	-	conjunction	7025 Feb 24 12:13	6°) 24'58	0°01'52
2				-			

minimum elong	7025 Feb 24 12:13	6° 升 24'58	0°01'54	conjunction	7031 May 05 16:32	17° 8 00'54	-1°56'21
behind sun begin	7025 Feb 24 05:11	6° ∺ 22'52		minimum elong	7031 May 05 16:30	17° 8 00'53	1°56'24
behind sun end	7025 Feb 24 19:15	6°) €27'04		max. Earth dist.	7031 May 05 19:16	_	10.82593 AU
max. Earth dist.	7025 Feb 24 11:03	6°) 24'40	10.82184 AU	morning rise	7031 May 22 11:24	19° 8 01'39	
morning rise	7025 Mar 13 08:06	8° ∺ 26′03		retrograde	7031 Sep 03 00:14	26° 8 25'12	
desc. node	7025 Mar 23 03:02	9°) 34′20		opposition	7031 Nov 12 12:58	23° 8 03'02	
retrograde	7025 Jun 21 20:27	15° ₩ 37'11		min. Earth dist.	7031 Nov 12 10:05		8.80358 AU
opposition	7025 Aug 30 09:34	12° 升 18′28	-0°13'22	direct	7032 Jan 20 19:19	19° 8 43'35	
min. Earth dist.	7025 Aug 30 10:02	12° ¥ 18′23	8.84394 AU	evening set	7032 Apr 30 00:43	26° 8 55'58	
direct	7025 Nov 08 23:29	8° ¥ 57'16					
evening set	7026 Feb 19 15:10	16°) 14′33		conjunction	7032 May 16 18:50	28° 8 57'00	
				minimum elong	7032 May 16 18:49	28° 8 57'00	
conjunction	7026 Mar 08 11:09	18° ¥ 15'12		max. Earth dist.	7032 May 16 22:00		10.77550 AU
minimum elong	7026 Mar 08 11:09	18° ¥ 15'12			7032 May 25 10:59	0°II	
max. Earth dist.	7026 Mar 08 10:36		10.86222 AU	morning rise	7032 Jun 02 15:40	0° ∏ 58'54	
morning rise	7026 Mar 25 05:45	20° ★ 15'28		retrograde	7032 Sep 14 19:14	8° Ⅱ 27'19	2022110
retrograde	7026 Jul 04 02:53	27° H 25'59	004404	opposition	7032 Nov 24 04:48	5° Ⅱ 04'11	
opposition	7026 Sep 11 22:31	24°) (07'10		min. Earth dist.	7032 Nov 24 01:51		8.74752 AU
min. Earth dist.	7026 Sep 11 22:07	24° ₩ 07'15 20° ₩ 46'46	8.87656 AU	direct	7033 Feb 01 01:04	1° Ⅱ 44'21 8° Ⅱ 59'26	
direct	7026 Nov 21 11:35 7027 Mar 03 13:09	28°\(\frac{1}{40}\)46		evening set	7033 May 12 05:38	8°Щ39′26	
evening set	/02/ Mai 03 13.09	28 X 00 38		amiumatian	7022 May 20, 01,47	11° Ⅱ 01'45	2002120
conjunction	7027 Mar 20 07:36	0° Υ 00'34	0.48,00	conjunction minimum elong	7033 May 29 01:47 7033 May 29 01:48	11° I I01'43	
minimum elong	7027 Mar 20 07:34	0° Υ 00'34	0°48'00	max. Earth dist.	7033 May 29 01:48 7033 May 29 04:28		2 03 42 10.71429 AU
max. Earth dist.	7027 Mar 20 07:34 7027 Mar 20 08:03		10.88658 AU	morning rise	7033 Jun 15 01:25	13° I I02'34	10.71429 AU
max. Lattii dist.	7027 Mar 20 05:43	0° γ	10.00030 AC	retrograde	7033 Sep 27 16:17	20° I 38'51	
morning rise	7027 Nrai 20 03:43 7027 Apr 06 01:09	2° Υ 00'17		opposition	7033 Sep 27 10.17 7033 Dec 06 23:13	17° Ⅱ 14'45	-2°30'07
retrograde	7027 Jul 16 08:49	9° Υ 11'25		min. Earth dist.	7033 Dec 06 20:41		8.68170 AU
opposition	7027 Sep 24 10:40	5° Υ '52'19	-1°12'46	direct	7034 Feb 13 10:37	13° I I54'21	0.00170710
min. Earth dist.	7027 Sep 24 09:39	5° Υ 52'30	8.89303 AU	evening set	7034 May 24 15:14	21° I I12'59	
direct	7027 Dec 03 18:37	2° Υ 32'31	0.07505710	evening sec	703 1 May 21 13.11	21 11237	
evening set	7028 Mar 14 09:26	9° Υ 44'02		conjunction	7034 Jun 10 14:20	23° Ⅱ 16'58	-1°59'02
3				minimum elong	7034 Jun 10 14:22	23° Ⅱ 16'59	
conjunction	7028 Mar 31 02:35	11° Y 43'30	-1°10'14	max. Earth dist.	7034 Jun 10 17:01		10.64475 AU
minimum elong	7028 Mar 31 02:33	11° Ƴ 43'29	1°10'15	morning rise	7034 Jun 27 17:22	25° Ⅲ 22'07	
max. Earth dist.	7028 Mar 31 03:20	11° Y 43'44	10.89469 AU	C	7034 Aug 09 15:55	0°99	
morning rise	7028 Apr 16 19:41	13° Y 43'00		retrograde	7034 Oct 10 18:54	3° 5 01'23	
retrograde	7028 Jul 27 15:13	20° Ƴ 55'52		-	7034 Dec 14 17:47	30° Ŗ Ⅱ	
opposition	7028 Oct 05 22:26	17° Ƴ 36'15	-1°38'22	opposition	7034 Dec 19 20:30	29° Ⅱ 36′18	-2°21'08
min. Earth dist.	7028 Oct 05 21:34	17° Ƴ 36′25	8.89337 AU	min. Earth dist.	7034 Dec 19 18:05	29° Ⅱ 36'46	8.60886 AU
direct	7028 Dec 15 01:32	14° Y 16′50		direct	7035 Feb 26 00:24	26° Ⅱ 15'13	
evening set	7029 Mar 26 05:21	21° Y 27'03			7035 May 04 21:15	0ංම	
				evening set	7035 Jun 06 06:46	3°538'09	
conjunction	7029 Apr 11 21:38	23° Y 26'22					
minimum elong	7029 Apr 11 21:36	23° Y 26′22		conjunction	7035 Jun 23 09:38	5° © 44'05	-1°48'49
max. Earth dist.	7029 Apr 11 22:03		10.88681 AU	minimum elong	7035 Jun 23 09:40	5° 5 44'06	1°48'54
morning rise	7029 Apr 28 14:50	25° Y 25'58		max. Earth dist.	7035 Jun 23 13:02	5° 5 45'08	10.56984 AU
	7029 Jun 11 06:25	0° 8		morning rise	7035 Jul 10 16:29	7° 9 51'15	
retrograde	7029 Aug 08 23:32	2° 8 41'30		retrograde	7035 Oct 24 02:54	15° © 35'58	
	7029 Oct 09 17:26	30° ₹ Υ		opposition	7036 Jan 01 20:41	12°5510'01	
opposition	7029 Oct 18 10:13	29° Y 21'12		min. Earth dist.	7036 Jan 01 17:51		8.53221 AU
min. Earth dist.	7029 Oct 18 09:16		8.87799 AU	direct	7036 Mar 09 16:28	8°548'07	
direct	7029 Dec 27 07:07	26° Y 01'57		evening set	7036 Jun 18 04:59	16° © 16'03	
. ,	7030 Mar 09 01:58	0°8		. ,.	7026 1 1 05 12 02	10062407	1022112
evening set	7030 Apr 07 01:46	3° 8 11'54		conjunction	7036 Jul 05 12:03	18°524'07	
aamiumatian	7030 Apr 23 17:55	5° 8 11'25	1945107	minimum elong max. Earth dist.	7036 Jul 05 12:05 7036 Jul 05 15:45	18°924'07	1 33 17 10.49290 AU
conjunction	7030 Apr 23 17:53	5° 8 11'25		morning rise	7036 Jul 22 23:01	20°933'26	10.49290 AU
minimum elong max. Earth dist.	7030 Apr 23 17:33 7030 Apr 23 19:14		1°45°10 10.86354 AU	retrograde	7036 Nov 05 15:23	20°933'26 28°923'19	
morning rise	7030 Apr 23 19.14 7030 May 10 11:40	7° 8 11'26	10.00334 AU	opposition	7036 Nov 03 13.23 7037 Jan 14 00:15	28 \$23 19 24°\$56'35	-1°43'03
retrograde	7030 May 10 11.40 7030 Aug 21 09:10	14° 8 30'35		min. Earth dist.	7037 Jan 13 21:12		8.45531 AU
opposition	7030 Oct 30 22:55	14 8 09'24	-2°16'33	direct	7037 Mar 22 12:56	24 \$37 12 21°\$33'49	5.75551 AU
min. Earth dist.	7030 Oct 30 22:33	11° 8 09'45		evening set	7037 Jul 01 10:25	21 \$3349 29°\$07'14	
direct	7030 Oct 30 21:04 7031 Jan 08 12:46	7° 8 50'08	3.01/07 AU	e tennig set	7037 Jul 01 10:25	0°Ω	
evening set	7031 Apr 18 23:44	15° 8 00'48			.05, 041 00 15.20	~ UC	
-0	_			conjunction	7037 Jul 18 21:41	1° Ω 17'30	-1°12'42
	/031 Apr 18 21:00	13°O		Conjunction	/U3/Jul 10 41.41	1 061/ 30	
	7031 Apr 18 21:00	15° 8		minimum elong	7037 Jul 18 21:41 7037 Jul 18 21:43	1° Ω 17'30	

may Earth dist	7027 Ivl. 10 00:52	10 (10)20	10.41768 AU	minimum alana	7042 Oct. 11, 10:12	22° ≙ 16'43	1926142
max. Earth dist. morning rise	7037 Jul 19 00:53	3°Ω28'58	10.41/68 AU	minimum elong max. Earth dist.	7043 Oct 11 10:13 7043 Oct 11 09:32		1°26'42 10.20094 AU
retrograde	7037 Aug 05 12:47 7037 Nov 19 08:16	11° Ω 23'29		morning rise	7043 Oct 11 09.32 7043 Oct 29 08:24	24° £ 33'16	10.20094 AU
opposition	7037 Nov 19 08:10 7038 Jan 27 07:13	$7^{\circ}\Omega 56'12$	1°15'00	morning rise	7043 Dec 17 20:00	0°M	
min. Earth dist.	7038 Jan 27 04:34		8.38215 AU	retrograde	7044 Feb 10 03:45	2°M32'36	
direct	7038 Apr 04 13:53	4°Ω32'28	0.50215710	retrograde	7044 Apr 06 00:08	30°R ≏	
evening set	7038 Jul 14 23:23	12°Ω11'41		opposition	7044 Apr 17 02:56	29° ഫ 06'23	1°59'52
e venning see	7030 Jul 11 23.23	12 0011 11		min. Earth dist.	7044 Apr 17 03:56	29° ഫ 06'11	8.21045 AU
conjunction	7038 Aug 01 14:43	14°Ω24'04	-0°48'09	direct	7044 Jun 23 19:00	25° £ 38'25	0.21013710
minimum elong	7038 Aug 01 14:45	14°Ω24'05			7044 Sep 05 08:33	0° M	
max. Earth dist.	7038 Aug 01 16:52	-	10.34824 AU	evening set	7044 Oct 07 01:09	3°M42'23	
	7038 Aug 06 08:53	15° Ω		Č			
morning rise	7038 Aug 19 09:41	16° Ω 37'34		conjunction	7044 Oct 24 22:39	5°M58'26	1°44'50
retrograde	7038 Dec 03 04:52	24° Ω 35'55		minimum elong	7044 Oct 24 22:36	5°M58'25	1°44'53
opposition	7039 Feb 09 17:23	21° Ω 08'16	-0°42'49	max. Earth dist.	7044 Oct 24 20:08	5°M57'38	10.22197 AU
min. Earth dist.	7039 Feb 09 15:39	21° Ω 08'37	8.31683 AU	morning rise	7044 Nov 11 18:16	8°ML13'57	
direct	7039 Apr 17 19:51	17° Ω 43'34			7045 Jan 18 00:16	15° M ₀	
evening set	7039 Jul 28 19:46	25° Ω 28'42		retrograde	7045 Feb 22 22:23	16°ML09'33	
					7045 Mar 31 05:45	15°RM₊	
conjunction	7039 Aug 15 14:43	27° Ω 42'57	-0°20'44	opposition	7045 Apr 30 20:14	12°M44'10	2°18'46
minimum elong	7039 Aug 15 14:44	27° Ω 42'57	0°20'47	min. Earth dist.	7045 Apr 30 22:35	12°M43'42	8.23942 AU
max. Earth dist.	7039 Aug 15 15:58	27° Ω 43′20	10.28840 AU	direct	7045 Jul 07 20:52	9°M16'04	
morning rise	7039 Sep 02 12:46	29° Ω 58′09			7045 Oct 02 03:42	15° M ₊	
	7039 Sep 02 18:45	0° m)		evening set	7045 Oct 21 12:27	17° M 19'49	
retrograde	7039 Dec 17 03:26	7° m 59'19					
opposition	7040 Feb 23 06:26	4° ™ 31'32	-0°07'43	conjunction	7045 Nov 08 07:39	19° M 34'45	1°57'01
min. Earth dist.	7040 Feb 23 05:26	4° Mp 31'44	8.26301 AU	minimum elong	7045 Nov 08 07:37	19° M 34'45	1°57'05
direct	7040 Apr 30 07:47	1° m 05'57		max. Earth dist.	7045 Nov 08 03:35	19°M33'28	10.25774 AU
asc. node	7040 May 14 09:24	1° Mp 16'55		morning rise	7045 Nov 26 00:20	21°M48'55	
evening set	7040 Aug 10 22:56	8° m 56'44		retrograde	7046 Mar 08 13:38	29°M39'59	
				opposition	7046 May 14 12:02	26°M15'33	2°29'46
conjunction	7040 Aug 28 20:38	11° Mp 12'27	0°08'12	min. Earth dist.	7046 May 14 15:14	26°M14'54	8.28203 AU
minimum elong	7040 Aug 28 20:38	11° m) 12'27	0°08'11	direct	7046 Jul 21 21:46	22°M47'33	
behind sun begin	7040 Aug 28 14:12	11° m) 10'25			7046 Oct 29 01:47	0° ∡	
behind sun end	7040 Aug 29 03:05	11° m) 14'28		evening set	7046 Nov 04 19:34	0° ∡ ¹49'38	
max. Earth dist.	7040 Aug 28 21:37	-	10.24151 AU				
morning rise	7040 Sep 15 20:34	13° m/28'51		conjunction	7046 Nov 22 12:09	3° ∡ 03'11	2°02'39
retrograde	7040 Dec 30 03:07	21° Mp 31'40		minimum elong	7046 Nov 22 12:08	3° ∡ 03'11	2°02'43
opposition	7041 Mar 07 21:46	18° mp 03'59		max. Earth dist.	7046 Nov 22 07:18		10.30650 AU
min. Earth dist.	7041 Mar 07 20:58		8.22382 AU	morning rise	7046 Dec 10 01:36	5° х 15'46	
direct	7041 May 14 00:31	14° Mp 37'37		retrograde	7047 Mar 22 00:31	13° × 701'34	2022120
evening set	7041 Aug 25 07:43	22° m 33'26		opposition	7047 May 28 01:40	9° х 38′07 9° х 37′29	2°32'28
conjunction	7041 Sep 12 07:09	24° m 50'07	0°36'49	min. Earth dist. direct	7047 May 28 04:50 7047 Aug 04 21:32	9 x ·3729 6° x 10′29	8.33670 AU
minimum elong	7041 Sep 12 07:07	24° m/ 50'07	0°36'49	evening set	7047 Aug 04 21:32 7047 Nov 18 20:46	14° ₹ 1029	
max. Earth dist.	7041 Sep 12 07:57	24° m/ 50'22		evening set	/04/ NOV 10 20.40	14 × 0721	
morning rise	7041 Sep 30 07:40	27° Mp 07'09	10.21030 AC	conjunction	7047 Dec 06 10:39	16° ∡ "21′20	2°01'37
morning rise	7041 Oct 24 10:34	0∘ ರ		minimum elong	7047 Dec 06 10:39	16° × 21'20	2°01'42
retrograde	7042 Jan 13 04:18	o — 5° ⊆ 10'15		max. Earth dist.	7047 Dec 06 16:39		10.36657 AU
opposition	7042 Mar 21 14:53	1° - 42'52	1°02'52	morning rise	7047 Dec 23 20:51	18° ∡ ³32'12	
min. Earth dist.	7042 Mar 21 14:10	1° - 43′00		retrograde	7048 Apr 03 06:45	26° 🖈 12'15	
	7042 Apr 12 16:13	30° ₽, ™)		opposition	7048 Jun 09 12:50	22° ҂ 749'46	2°27'03
direct	7042 May 27 19:37	28° m 15'49		min. Earth dist.	7048 Jun 09 15:29	22° ҂ 749'14	8.40127 AU
	7042 Jul 11 06:30	0∘ ⊽		direct	7048 Aug 17 18:34	19° ∡ 22'39	
evening set	7042 Sep 08 20:25	6° £ 15'42		evening set	7048 Dec 01 14:49	27° ∡ 16'57	
	-			_			
conjunction	7042 Sep 26 20:21	8° ≏ 32'44	1°03'31	conjunction	7048 Dec 19 02:00	29° ∡ ¹27'14	1°54'16
minimum elong	7042 Sep 26 20:18	8° ≏ 32'44	1°03'33	minimum elong	7048 Dec 19 02:01	29° ∡ ¹27'14	1°54'20
max. Earth dist.	7042 Sep 26 20:43	8° ≏ 32'52	10.19673 AU	max. Earth dist.	7048 Dec 18 22:27	29° ∡ ¹26′07	10.43526 AU
morning rise	7042 Oct 14 20:14	10° ≏ 49'49			7048 Dec 23 10:38	0°ප	
retrograde	7043 Jan 27 05:28	18° ≙ 51'45		morning rise	7049 Jan 05 09:09	1° る 36'21	
opposition	7043 Apr 04 08:55	15° ≙ 24'51	1°34'04	retrograde	7049 Apr 16 08:55	9° る 10'29	
min. Earth dist.	7043 Apr 04 08:41	15° ≏ 24'54	8.19725 AU	opposition	7049 Jun 22 20:54	5°₹48'52	
direct	7043 Jun 10 18:04	11° ≏ 57'16		min. Earth dist.	7049 Jun 22 23:28	5° 云 48'22	8.47272 AU
evening set	7043 Sep 23 11:04	19° ≏ 59'56		direct	7049 Aug 31 11:11	2° る 22'26	
				evening set	7049 Dec 15 01:29	10°る11'10	
conjunction	7043 Oct 11 10:16	22° ≏ 16'44	1°26'39				

retrograde	7061 Sep 09 12:46	3° Ⅱ 27'35		ratrograda	7067 Nov 27 05:44	18° Ω 49'14	
opposition	7061 Nov 19 01:27	0° П 05'24	2°30'40	retrograde opposition	7068 Feb 03 23:43	$15^{\circ}\Omega 22'17$	0°57'45
min. Earth dist.	7061 Nov 18 22:05		8.79765 AU	min. Earth dist.	7068 Feb 03 22:21	15° Ω 22'34	8.37147 AU
iiiii. Lattii tiist.	7061 Nov 18 22:03 7061 Nov 20 06:00	30°R 8	8.79703 AU	iiiii. Latui dist.	7068 Feb 08 15:44	15°RΩ	6.5/14/ AU
direct	7062 Jan 27 02:28	26° 8 46'16		direct	7068 Apr 11 05:05	11°Ω58'32	
direct	7062 Mar 31 13:29	0° Ⅱ		uncer	7068 Jun 09 22:52	15°Ω	
evening set	7062 May 07 06:40	3° I I58'57		evening set	7068 Jul 21 20:43	19° Ω 39'34	
evening set	7002 Way 07 00.40	3 113037		evening set	7000 Jul 21 20.43	17 063734	
conjunction	7062 May 24 01:44	6° Ⅱ 00'19	-2°03'43	conjunction	7068 Aug 08 14:03	21° Ω 52'37	-0°33'23
minimum elong	7062 May 24 01:44	6° Ⅱ 00'19	2°03'47	minimum elong	7068 Aug 08 14:04	21° Ω 52'37	0°33'26
max. Earth dist.	7062 May 24 06:18	6° Ⅱ 01'42	10.76931 AU	max. Earth dist.	7068 Aug 08 15:31	21° Ω 53'05	10.33785 AU
morning rise	7062 Jun 09 23:49	8° Ⅱ 02'38		morning rise	7068 Aug 26 10:27	24° Ω 06'41	
retrograde	7062 Sep 22 08:14	15° Ⅱ 32'40		-	7068 Oct 21 03:45	0° ™	
opposition	7062 Dec 01 17:57	12° Ⅱ 09'37	-2°31'31	retrograde	7068 Dec 10 02:23	2° mg 05'22	
min. Earth dist.	7062 Dec 01 13:51	12° Ⅱ 10′24	8.74118 AU		7069 Jan 29 22:34	30° R Ω	
direct	7063 Feb 08 10:36	8° Ⅲ 50′11		opposition	7069 Feb 16 10:23	28° Ω 37'58	-0°23'52
evening set	7063 May 19 13:18	16° Ⅱ 05'47		min. Earth dist.	7069 Feb 16 09:16	28° Ω 38'12	8.30677 AU
				direct	7069 Apr 24 13:08	25° Ω 13′07	
conjunction	7063 Jun 05 10:57	18° Ⅱ 08'36	-2°01'33		7069 Jul 10 08:55	0° m	
minimum elong	7063 Jun 05 10:58	18° Ⅱ 08'36	2°01'37	evening set	7069 Aug 04 19:33	3°m/00'02	
max. Earth dist.	7063 Jun 05 15:42	18° Ⅱ 10′03	10.70784 AU				
morning rise	7063 Jun 22 12:03	20° Ⅱ 12'29		conjunction	7069 Aug 22 15:58	5° m 14'48	-0°05'10
retrograde	7063 Oct 05 09:39	27° Ⅱ 47'46		minimum elong	7069 Aug 22 15:59	5° m 14'48	0°05'11
opposition	7063 Dec 14 12:58	24° Ⅱ 23'50	-2°25'35	behind sun begin	7069 Aug 22 08:55	5° TQ 12'36	
min. Earth dist.	7063 Dec 14 09:00	24° Ⅱ 24'36	8.67504 AU	behind sun end	7069 Aug 22 23:02	5° Mp 17'01	
direct	7064 Feb 20 20:25	21° Ⅱ 03'51		max. Earth dist.	7069 Aug 22 16:21	5° M 14'55	10.27907 AU
evening set	7064 May 31 01:24	28° Ⅱ 23'14		morning rise	7069 Sep 09 14:52	7° m 30'23	
	7064 Jun 13 07:37	0		asc. node	7069 Oct 28 16:21	12° m 52'20	
				retrograde	7069 Dec 24 01:07	15°Mp31'28	
conjunction	7064 Jun 17 02:16	0°927'48		opposition	7070 Mar 01 23:44	12°Mp03'50	0°11'47
minimum elong	7064 Jun 17 02:18	0° © 27'49	1°53'52	min. Earth dist.	7070 Mar 01 23:32	12°Mp 03'52	8.25466 AU
max. Earth dist.	7064 Jun 17 05:52		10.63788 AU	direct	7070 May 08 01:47	8° m 37'55	
morning rise	7064 Jul 04 07:05	2° © 33'35		evening set	7070 Aug 19 00:42	16° Mp 30'21	
retrograde	7064 Oct 17 14:03	10°514'08					
opposition	7064 Dec 26 10:44	6°549'22		conjunction	7070 Sep 05 23:17	18° Mp 46'24	0°23'46
min. Earth dist.	7064 Dec 26 07:52	6°549'55	8.60138 AU	minimum elong	7070 Sep 05 23:16	18° Mp 46'23	0°23'45
direct	7065 Mar 04 09:15	3°528'37		max. Earth dist.	7070 Sep 05 22:16		10.23430 AU
evening set	7065 Jun 12 19:33	10° © 52'38		morning rise	7070 Sep 23 23:34	21° Mp 02'58	
	7065 I 20 00.17	1200550114	1940125	retrograde	7071 Jan 07 01:11	29° Mp 05'10	0947100
conjunction minimum elong	7065 Jun 30 00:17 7065 Jun 30 00:19	12° © 59'14 12° © 59'14		opposition min. Earth dist.	7071 Mar 15 15:03 7071 Mar 15 15:58	25° m 37'33 25° m 37'22	0°47'09 8.21806 AU
max. Earth dist.	7065 Jun 30 02:31		10.56187 AU	direct	7071 May 21 18:18	22° m) 10'39	8.21800 AU
morning rise	7065 Jul 17 09:14	12 \$3933 15°\$07'05	10.3018/ AU	unect	7071 Sep 01 09:21	0° ⊽	
retrograde	7065 Oct 30 22:13	13 30 7 03 22° 9 52'57		evening set	7071 Sep 01 09.21 7071 Sep 02 10:44	0° ⊆ 07'54	
opposition	7066 Jan 08 11:51	19° 5 27'22	-1°53'25	evening set	7071 Sep 02 10.44	0 -07 34	
min. Earth dist.	7066 Jan 08 10:05		8.52324 AU	conjunction	7071 Sep 20 10:21	2° ₽ 24'40	0°51'29
direct	7066 Mar 17 03:51	16°905'44	0.52521710	minimum elong	7071 Sep 20 10:21	2° - 24'40	0°51'29
evening set	7066 Jun 25 20:24	23°935'02		max. Earth dist.	7071 Sep 20 08:12		10.20597 AU
				morning rise	7071 Oct 08 10:45	4° Ω 41'41	
conjunction	7066 Jul 13 05:27	25°543'50	-1°22'16	retrograde	7072 Jan 21 00:54	12° ≏ 43'37	
minimum elong	7066 Jul 13 05:30	25°5643'51		opposition	7072 Mar 28 07:51	9° Ω 16'15	1°20'06
max. Earth dist.	7066 Jul 13 07:24	25°5944'26	10.48348 AU	min. Earth dist.	7072 Mar 28 09:29	9° Ω 15'55	8.19890 AU
morning rise	7066 Jul 30 18:37	27° © 53'53		direct	7072 Jun 03 15:49	5° ≏ 48'34	
-	7066 Aug 17 14:04	$0^{\circ}\Omega$		evening set	7072 Sep 15 23:35	13° ≏ 49'33	
retrograde	7066 Nov 13 11:29	5° Ω 44'46			•		
opposition	7067 Jan 21 16:15	2° Ω 18′26	-1°28'04	conjunction	7072 Oct 03 23:06	16° ≏ 06'26	1°16'24
min. Earth dist.	7067 Jan 21 14:49	2° Ω 18'44	8.44506 AU	minimum elong	7072 Oct 03 23:03	16° ≙ 06′25	1°16'26
	7067 Feb 22 20:19	30° ₹ 5		max. Earth dist.	7072 Oct 03 20:24	16° ≙ 05'34	10.19556 AU
direct	7067 Mar 30 02:40	28° © 55'47		morning rise	7072 Oct 21 22:18	18° ≏ 23'15	
	7067 May 03 19:11	$0^{\circ}\Omega$		retrograde	7073 Feb 02 22:23	26° ₽ 23'39	
evening set	7067 Jul 09 04:48	6° Ω 30'49		opposition	7073 Apr 11 01:15	22° ≏ 56'43	1°48'35
				min. Earth dist.	7073 Apr 11 02:58	22° ≏ 56′22	8.19811 AU
conjunction	7067 Jul 26 18:13	8° Ω 41'51	-0°59'32	direct	7073 Jun 17 15:55	19° ≏ 28'28	
minimum elong	7067 Jul 26 18:16	8° Ω 41'51		evening set	7073 Sep 30 13:21	27° ≏ 31'46	
max. Earth dist.	7067 Jul 26 20:06		10.40732 AU				
morning rise	7067 Aug 13 11:17	10° Ω 54'01		conjunction	7073 Oct 18 11:48	29° ≏ 48'15	1°37'00
	7067 Sep 18 17:25	15° Ω		minimum elong	7073 Oct 18 11:46	29° ≏ 48'14	1°37'03

Fault die	7072 0-4 19 00-07	200 0 47122	10 20264 ATT		7000 1 25 10.00	210=20150	
max. Earth dist.	7073 Oct 18 09:07		10.20364 AU	morning rise	7080 Jan 25 19:00	21°る20'59 28°る46'25	
	7073 Oct 20 00:37 7073 Nov 05 08:49	0°ጤ 2°ጤ04'19		retrograde	7080 May 05 06:30 7080 Jul 12 07:18	28° る 46'25 25° る 25'56	1°42'28
morning rise retrograde	7074 Feb 16 18:19	10°ML01'50		opposition min. Earth dist.	7080 Jul 12 07:18 7080 Jul 12 08:28	25° る 25'43	8.58789 AU
opposition		6°M35'33	2°10'51	direct	7080 Sep 20 09:21	23 3 23 43 22° る 00'49	6.36769 AU
min. Earth dist.	7074 Apr 24 18:22	6°M35'12	8.21563 AU		7080 Sep 20 09.21 7081 Jan 03 07:35	22 30049 29° 3 40'04	
	7074 Apr 24 20:04	3°M06'59	8.21303 AU	evening set	7081 Jan 06 01:36	29 3 40 04 0° ≈	
direct	7074 Jul 01 16:28 7074 Oct 15 01:50	11°ML11'00			/081 Jan 00 01.30	0 ≈	
evening set	7074 Oct 13 01.30	11 11611 00		conjunction	7081 Jan 20 12:19	1° ≈ 46′04	1°12'33
agniumation	7074 Nov. 01, 22:24	120 m 26126	1952105	•			
conjunction	7074 Nov 01 22:24	13°M26'36	1°52'05	minimum elong	7081 Jan 20 12:21 7081 Jan 20 11:01	1°≈46'05	1°12'36 10.62595 AU
minimum elong	7074 Nov 01 22:22	13°M26'35	1°52'09	max. Earth dist.	7081 Jan 20 11:01 7081 Feb 06 13:17		10.62595 AU
max. Earth dist.	7074 Nov 01 19:35		10.22965 AU	morning rise		3°≈50'59	
	7074 Nov 14 04:16	15°M		retrograde	7081 May 17 21:44	11°≈11'30	1015140
morning rise	7074 Nov 19 16:31	15°M41'30		opposition	7081 Jul 25 06:44	7°≈51'46	1°15'48
retrograde	7075 Mar 02 12:20	23°M34'57	2025120	min. Earth dist.	7081 Jul 25 07:51	7°≈51'33	8.66347 AU
opposition	7075 May 08 10:39	20°M09'29	2°25'39	direct	7081 Oct 03 13:49	4°≈27'42	
min. Earth dist.	7075 May 08 12:43	20°M09'04	8.25029 AU	evening set	7082 Jan 15 23:58	12° ≈ 00'44	
direct	7075 Jul 15 16:02	16°M40'53					
evening set	7075 Oct 29 10:53	24°M43'57		conjunction	7082 Feb 02 02:13	14°≈05'09	0°49'37
		W		minimum elong	7082 Feb 02 02:14	14°≈05'09	0°49'39
conjunction	7075 Nov 16 04:55	26°M58'16	2°00'50	max. Earth dist.	7082 Feb 02 00:58		10.69928 AU
minimum elong	7075 Nov 16 04:54	26°M58'16	2°00'55		7082 Feb 09 14:03	15° ≈	
max. Earth dist.	7075 Nov 16 01:44		10.27201 AU	morning rise	7082 Feb 19 01:14	16° ≈ 08'36	
morning rise	7075 Dec 03 19:49	29°MJ11'41		retrograde	7082 May 30 08:43	23° ≈ 25′00	
	7075 Dec 10 08:45	0° ≯ ¹		opposition	7082 Aug 07 02:55	20°≈05'50	0°46'06
retrograde	7076 Mar 15 01:45	7° ₰ 00'07		min. Earth dist.	7082 Aug 07 04:01	20° ≈ 05'38	8.73327 AU
opposition	7076 May 21 01:13	3° ∡ ³35'38	2°32'17	direct	7082 Oct 16 13:05	16° ≈ 42'50	
min. Earth dist.	7076 May 21 03:50	3° ҂ ³35′06	8.30010 AU	evening set	7083 Jan 28 10:13	24° ≈ 09'57	
direct	7076 Jul 28 16:03	0° ∡ °07'17					
evening set	7076 Nov 11 14:43	8° ₰ 07'46		conjunction	7083 Feb 14 10:06	26° ≈ 12'54	0°24'45
				minimum elong	7083 Feb 14 10:06	26° ≈ 12'54	0°24'47
conjunction	7076 Nov 29 05:57	10° ∡ ¹20'34	2°02'57	max. Earth dist.	7083 Feb 14 08:53	26° ≈ 12'32	10.76510 AU
minimum elong	7076 Nov 29 05:56	10° ∡ ¹20'34	2°03'02	morning rise	7083 Mar 03 07:26	28° ≈ 15′05	
max. Earth dist.	7076 Nov 29 02:13	10° ∡ 19′23	10.32846 AU		7083 Mar 18 10:26	0° ∀	
morning rise	7076 Dec 16 17:40	12° ∡ ³32'19		retrograde	7083 Jun 11 15:32	5° ∺ 28'25	
retrograde	7077 Mar 28 09:17	20° ҂ 15′05		opposition	7083 Aug 19 20:22	2° ₩ 09'35	0°14'49
opposition	7077 Jun 03 13:21	16° ₰ 751'40	2°30'38	min. Earth dist.	7083 Aug 19 20:47	2° ₩ 09'31	8.79407 AU
min. Earth dist.	7077 Jun 03 16:25	16° ₹ '51'04	8.36238 AU		7083 Sep 19 23:33	30° R ≈	
direct	7077 Aug 11 14:23	13° ∡ ¹23'49		direct	7083 Oct 29 09:54	28° ≈ 47'34	
evening set	7077 Nov 25 11:59	21° ∡ ¹20′20			7083 Dec 07 00:47	0°) €	
				evening set	7084 Feb 09 15:03	6°) €09'20	
conjunction	7077 Dec 13 00:23	23° ∡ ³31'27	1°58'31	desc. node	7084 Feb 12 17:55	6° ∺ 31'32	
minimum elong	7077 Dec 13 00:24	23° ∡ ³31'27	1°58'36				
max. Earth dist.	7077 Dec 12 20:15	23° 渘 ³30′09	10.39587 AU	conjunction	7084 Feb 26 12:52	8° 升 11′02	-0°00'58
morning rise	7077 Dec 30 09:09	25° ∡ ¹41'27		minimum elong	7084 Feb 26 12:52	8° 升 11′02	0°00'56
	7078 Feb 06 18:44	5°0		behind sun begin	7084 Feb 26 05:50	8° ₩ 08'56	
retrograde	7078 Apr 10 12:31	3° ප 18'18		behind sun end	7084 Feb 26 19:53	8° ¥ 13′07	
opposition	7078 Jun 16 22:34	29° ₹ 55'56	2°21'09	max. Earth dist.	7084 Feb 26 12:28	8° 升 10′56	10.82018 AU
	7078 Jun 16 01:57	30°₽ ⋌ ¹		morning rise	7084 Mar 14 08:41	10°) 12′07	
min. Earth dist.	7078 Jun 17 01:19	29° ₹ 155'23	8.43361 AU	retrograde	7084 Jun 22 22:48	17° ¥ 23'33	
direct	7078 Aug 25 09:18	26° ₰ ¹28'50		opposition	7084 Aug 31 11:17	14°) €04'49	-0°16'42
	7078 Oct 31 04:30	5°0		min. Earth dist.	7084 Aug 31 10:37	14°) 04′57	8.84266 AU
evening set	7078 Dec 09 02:03	4° පි 20'14		direct	7084 Nov 10 01:30	10°) 43′42	
-				evening set	7085 Feb 20 15:54	18° ∺ 00'57	
conjunction	7078 Dec 26 11:45	6° る 29'37	1°48'04	C			
minimum elong	7078 Dec 26 11:47	6° そ 29'38	1°48'08	conjunction	7085 Mar 09 11:55	20° ₩ 01'37	-0°26'21
max. Earth dist.	7078 Dec 26 08:10	6° ප 28'30	10.47047 AU	minimum elong	7085 Mar 09 11:54	20° ∺ 01'37	
morning rise	7079 Jan 12 17:40	8° ප 37'51		max. Earth dist.	7085 Mar 09 12:38		10.86144 AU
retrograde	7079 Apr 23 11:54	16° පි 08'48		morning rise	7085 Mar 26 06:22	22° ∺ 01'53	
opposition	7079 Jun 30 04:33	12° る 47'26	2°04'43	retrograde	7085 Jul 05 04:43	29° ∺ 12'35	
min. Earth dist.	7079 Jun 30 06:29	12° る 47'04	8.51003 AU	opposition	7085 Sep 13 00:16	25°) 53'46	-0°47'14
direct	7079 Sep 07 23:27	9° ට 21'17		min. Earth dist.	7085 Sep 12 23:18		8.87627 AU
evening set	7079 Dec 22 08:33	17° る 06'48		direct	7085 Nov 22 11:32	22°) €33′26	
C	-			evening set	7086 Mar 04 14:01	29°) 47'16	
conjunction	7080 Jan 08 15:43	19° る 14'28	1°32'25	Č	7086 Mar 06 09:17	0°Υ	
minimum elong	7080 Jan 08 15:46	19° る 14'29	1°32'29				
max. Earth dist.	7080 Jan 08 13:19		10.54844 AU	conjunction	7086 Mar 21 08:20	1° Y 47'10	-0°50'27
		· ·		J		0	•

minimum elong	7098 Aug 16 15:31	29° Ω 26'57	0°18'07
max. Earth dist.	7098 Aug 16 16:55	29° Ω 27'24	10.29077 AU
	7098 Aug 20 23:55	0° m	
morning rise	7098 Sep 03 13:35	1° Mp 42'06	
retrograde	7098 Dec 18 02:16	9° ™ 42'56	
opposition	7099 Feb 24 06:11	6° Mp 15′08	-0°04'25
min. Earth dist.	7099 Feb 24 05:02	6° Mp 15′22	8.26519 AU
asc. node	7099 Apr 11 18:58	3° Mp 12'30	
direct	7099 May 02 08:41	2° Mp 49'30	
evening set	7099 Aug 12 23:26	10° Mp 40'08	
conjunction	7099 Aug 30 21:20	12° m 55'50	0°10'49
minimum elong	7099 Aug 30 21:19	12° m 55'50	0°10'48
behind sun begin	7099 Aug 30 15:49	12° Mp 54'06	
behind sun end	7099 Aug 31 02:50	12° m 57′34	
max. Earth dist.	7099 Aug 30 22:41	12° Mp 56'16	10.24346 AU
morning rise	7099 Sep 17 21:10	15°Mp12'11	
retrograde	7100 Jan 01 03:13	23° Mp 14'42	
opposition	7100 Mar 09 21:11	19° M 46'59	0°31'24
min. Earth dist.	7100 Mar 09 20:07	19° m 47'13	8.22553 AU
direct	7100 May 15 23:21	16° Mp 20′35	
evening set	7100 Aug 27 08:11	24° Mp 16'21	
conjunction	7100 Sep 14 07:38	26° Mp33′00	0°39'15
minimum elong	7100 Sep 14 07:36	26° Mp32′59	0°39'15
max. Earth dist.	7100 Sep 14 08:23	26° Mp33′14	10.21181 AU
morning rise	7100 Oct 02 08:00	28° m/50'00	
	7100 Oct 11 19:32	0∘ ত	
retrograde	7101 Jan 15 05:07	6° £ 52'50	
opposition	7101 Mar 23 14:12	3° ഫ 25'28	1°05'43
min. Earth dist.	7101 Mar 23 13:39	3° ഫ 25'35	8.20278 AU
	7101 May 24 09:42	30°₽, Т р	
direct	7101 May 29 18:41	29° Mp 58′24	
	7101 Jun 04 03:47	0० ⊽	
evening set	7101 Sep 10 20:42	7° £ 58'19	
conjunction	7101 Sep 28 20:29	10° ≏ 15'18	1°05'38
minimum elong	7101 Sep 28 20:26	10° ≏ 15'18	1°05'40
max. Earth dist.	7101 Sep 28 20:15	10° ≙ 15'14	10.19772 AU
morning rise	7101 Oct 16 20:15	12° ≏ 32'21	